

## PROCEEDINGS OF THE SOCIETY

The annual meeting of the Society was held in Perth, August 20—24, 1959.

**Presidential Address:** E. J. G. PITMAN: *Characteristic Functions of Probability Distributions.*

**Invited Lectures:** M. H. Stone (University of Chicago): *Recent advances in the theory of partial differential equations.* F. V. Atkinson: *Inverse Sturm-Liouville Problems.* L. C. Woods: *The theory of ventilated wind tunnels.* J. Moyal: *Growth, diffusion and variation of general populations.* C. A. Hurst: *Some algebraic concepts in the theory of elementary particles.* A. Brown: *Some hydromagnetic problems.* R. T. Leslie: *Information theory and some elementary applications.*

**Invited Lectures** (Jointly with Section A of the Australian and New Zealand Association for the Advancement of Science): M. H. Stone (University of Chicago): *Science, Mathematics and Logic.* Sir Ronald Fisher: *Combinatorial Mathematics in the genetics of polysomic inheritance.* J. C. Jaeger: *The mathematics of the earth.*

**Symposium:** *The Clock Paradox.* G. Builder (leader): *The resolution of the clock paradox,* S. J. Prokhovnik: *The measurement of time in special relativity.* (delivered by C. S. Davis), N. W. Taylor, C. A. Hurst.

**Papers:** H. S. Konijn: *On the mixed model of the analysis of variance.* G. W. Rogerson: *Application of factor analysis to multivariate results from a factorial experiment.* G. N. Wilkinson: *The solution of Linear Equations by a Quadratic Form Inversion Procedure.* W. W. Wood: *Wind tunnel interference.* J. J. Mahony: *The theory of large deflection of thin cantilevered plates.* R. C. T. Smith: *Plane stress in a half-plane with a saw-tooth boundary.* P. E. Wynter: *Linearised theory of wings of elliptic planform.* C. R. Heathcote: *A multidimensional queuing problem.* N. W. Taylor: *The growth of an insect population.* H. O. Lancaster: *Contingency tables of several dimensions: canonical forms.* C. E. Billigheimer: *Solutions of a non-linear differential equation.* J. P. O. Silberstein: *Symmetrisable Operators.* D. R. Smart: *Splitting the continuous spectrum.* G. E. Wall: *Characterisation of the groups  $LF(2, p^\alpha)$ .*

The next meeting of the Society will be held in Armidale (New South Wales) from 18 August to 23 August, 1960.

To the list of papers read at the Adelaide meeting should be added: D. Fenna, *Geometry of Series.*

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