

THE JOURNAL
of
THE AUSTRALIAN MATHEMATICAL
SOCIETY

VOL. II - PART 4

DECEMBER 1962

<i>Symmetrisable operators</i>	J. P. O. SILBERSTEIN	381
<i>Altitudes of a simplex in n-space</i>	SAHIB RAM MANDAN	403
<i>On a nonlinear boundary value problem involving a small parameter</i>	A. ERDÉLYI	425
<i>An expansion method for singular perturbation problems</i>	J. J. MAHONY	440
<i>Expectation values of operators in the quasi-chemical equilibrium theory. Part II</i>	JOHN M. BLATT	464
<i>An approximate stochastic model for phage reproduction in a bacterium</i>	J. GANI	478
<i>A continuous-time treatment of certain queues and infinite dams</i>	R. M. LOYNES	484
<i>Single server queues with modified service mechanisms</i>	G. F. YEO	499

Published for
THE AUSTRALIAN MATHEMATICAL SOCIETY
by P. Noordhoff N.V. - Groningen - The Netherlands

EDITORIAL BOARD

T. G. ROOM (Editor), E. S. BARNES, J. M. BLATT, T. M. CHERRY, C. S. DAVIS, H. S. GREEN, H. O. LANCASTER, H. C. LEVEY, P. A. P. MORAN, J. E. MOYAL, E. J. G. PITMAN, R. C. T. SMITH, W. B. SMITH-WHITE, G. E. WALL, K. C. WESTFOLD.

Manuscripts for publication in the *Journal* should be sent to the *Editor*, T. G. ROOM, University of Sydney, Sydney, Australia.

All other correspondence, orders for the *Journal*, exchanges, etc., except that directly concerned with the payments of accounts, should be addressed to the *Business Manager*, G. E. WALL, University of Sydney, Sydney, Australia.

All subscriptions and correspondence connected with accounts should be sent to the *Treasurer*, C. S. DAVIS, University of Queensland, Brisbane, Queensland, Australia.

Each Volume of the *Journal* consists of four parts. Volume III will be published in 1963. The price per volume is £ 6.0.0 (Australian).

RECIPROCITY AGREEMENTS

The Australian Mathematical Society has made Reciprocity Agreements with the American Mathematical Society, the Edinburgh Mathematical Society, the London Mathematical Society, the Deutsche Mathematiker Vereinigung and the Islenzka Staerdfraedafelagid using the agreement with the American Mathematical Society as a model. Under this agreement, members of these societies nor normally resident in Australia may join the Australian Mathematical Society at half the current rates. Such members will not have the right to vote in our Society or have any other financial commitment. They will receive copies of the *Journal* free.

OFFICERS OF THE SOCIETY

<i>President</i>	E. S. BARNES	(Adelaide)
<i>Vice-Presidents</i>	A. L. BLAKERS	(Western Australia)
	T. G. ROOM	(Sydney)
<i>Treasurer</i>	C. S. DAVIS	(Queensland)
<i>General Secretary</i>	H. O. LANCASTER	(Sydney)
<i>Publications Secretary</i>	G. E. WALL	(Sydney)
<i>Councillors</i>	A. BROWN	(A.N.U., Canberra)
	L. S. GODDARD	(Tasmania)
	C. F. MOPPERT	(Melbourne)
	R. C. T. SMITH	(N.E.U., Armidale)
	G. SZEKERES	(Adelaide)
	K. C. WESTFOLD	(Monash)
