# THE JOURNAL of THE AUSTRALIAN MATHEMATICAL SOCIETY

# **VOLUME XV - PART 4**

## **JUNE 1973**

CHUNG-MING AN	A note on a functional equation	385
O. SHANKER	On generating functions for classical polynomials.	389
J. G. KRISHNA and		
I. H. N. RAO	On orders and types of an entire function over $\mathscr{C}^k$	393
A. R. D. MATHIAS	On sequences generic in the sense of Prikry	409
S. T. L. CHOY	On central primitive idempotent measures	415
M. S. GAGRAT and		
S. A. NAIMPALLY	Wallman compactifications and Wallman real com-	
	pactifications	417
G. J. HAUPTFLEISCH	A note on central group extensions	428
M. V. SUBBARAO and		
D. SURYANARAYANA	The divisor problem for $(k, r)$ -integers	430
J. W. HOGAN	Homomorphisms and congruences on w <sup>x</sup> -bisimple	
	semigroups	441
T. W. SAG and	Miminal presentations for groups of order 2 <sup>n</sup> ,	
J. W. WAMSLEY	$n \leq 6$	461
R. T. WORLEY	Denominator sequences of continued fractions II.	470
D. A. HOLTON	Stable trees	476
P. K. SMRZ	Fibre bundles and Yang-Mills fields	482
P. MILNES	Compactifications of semitopological semigroups	488
R. C. GRIFFITHS	An expansion for the permanent of a doubly Stochas-	
	<i>tic matrix</i>	504
	Index to Volume XV—1973	510

Published for THE AUSTRALIAN MATHEMATICAL SOCIETY

by Jerusalem Academic Press — Jerusalem — Israel https://doi.org/10.1017/51446788700028706 Published online by Cambridge University Press

### THE JOURNAL

Two volumes of four parts are published annually at a price of A\$25 per volume. Manuscripts (two copies) for publication should be sent either to the editor or to the appropriate associate editor at the address given on the inside back cover.

Authors are asked to read the section "Preparation of Manuscripts" on the outside cover.

#### Editor of the Journal

B. MOND, Department of Mathematics, La Trobe University, Bundoora, Victoria 3083.

#### **Associate Editors**

J. N. CROSSLEY, Department of Mathematics, Monash University, Clayton, Victoria 3168

C. A. HURST, Department of Mathematical Physics, University of Adelaide, Adelaide, South Australia 5001

G. B. PRESTON, Department of Mathematics, Monash University, Clayton, Victoria 3168

G. SZEKERES,
School of Mathematics,
The University of New South Wales,
P. O. Box 1,
Kensington, N. S. W. 2033

V. G. HART, Department of Mathematics, University of Queensland, St. Lucia, Queensland 4067

J. B. MILLER, Department of Mathematics, Monash University, Clayton, Victoria 3168

J. P. O. SILBERSTEIN, Department of Mathematics, The University of Western Australia, Nedlands, Western Australia 6009

J. VIRSIK, Department of Mathematics, Monash University, Clayton, Victoria 3168

K. C. WESTFOLD, Faculty of Science, Monash University, Clayton, Victoira 3168

Correspondence concerning the printing of papers after their acceptance for publication should be addressed to one of the Assistant Editors:

A. R. Jones or D. K. Ross Department of Mathematics, La Trobe University, Bundoora, Victoria, 3083

Authors receive 50 free offprints of their papers; additional offprints may be ordered at cost. Excessive costs incurred by the Society through corrections to or the withdrawal of articles may be charged to the authors concerned.

E. S. BARNES, Department of Mathematics, University of Adelaide, Adelaide, South Australia 5001

C. C. HEYDE, Department of Statistics, School of General Studies, Australian National University, P.O. Box 4, Canberra, A. C. T. 2600

A. F. PILLOW, Department of Mathematics, University of Queensland, St. Lucia, Queensland 4067

E. STRZELECKI, Department of Mathematics, Monash University, Clayton, Victoria 3168

G. E. WALL, Department of Mathematics, (Pure Mathematics), University of Sydney, Sydney, N. S. W. 2006