

JOURNAL of the AUSTRALIAN MATHEMATICAL SOCIETY

Series A — Pure Mathematics and Statistics

Volume 29 Part 2

MARCH 1980

DEREK W. ROBINSON and ERLING STØRMER	<i>Lie and Jordan structure in operator algebras</i>	129
WALTER TAYLOR	<i>Mal'tsev conditions and spectra</i>	143
D. A. JORDAN	<i>The Lie ring of symmetric derivations of a ring with involution</i>	153
P. R. JONES	<i>Congruences contained in an equivalence on a semi- group</i>	162
P. D. T. A. ELLIOTT	<i>Mean value theorems for multiplicative functions bounded in mean α-power, $\alpha > 1$</i>	177
JOSEPH KUPKA	<i>Uniform boundedness principles for regular Borel vector measures</i>	206
R. W. CROSS	<i>On the continuous linear image of a Banach space</i>	219
JENNIFER SEBERRY	<i>Some infinite classes of Hadamard matrices</i>	235
PAUL EMBRECHTS and CHARLES M. GOLDIE	<i>On closure and factorization properties of sub- exponential and related distributions</i>	243

John Wright and Sons Ltd, Bristol, England

THE JOURNAL

The Journal of the Australian Mathematical Society began publication in 1959, and from 1975 has appeared in two series, Series A (Pure Mathematics and Statistics) and Series B (Applied Mathematics). Information about Series B may be found on the inside back cover.

Series A, Pure Mathematics and Statistics

Submission of research papers in pure mathematics and mathematical statistics is invited. Authors intending to submit papers for publication should prepare the typescript following the instructions on the back cover of this issue, and should send two complete copies to the Editor, or to an appropriate Associate Editor.

Six parts are planned for 1980, consisting of Volume 29 and half of Volume 30. The price to non-members will be A\$75, to ordinary members will be A\$12.

Editor of the Journal, Series A

H. Lausch, Department of Mathematics, Monash University, Clayton, Victoria 3168.

Associate Editors

Gavin Brown—harmonic analysis,
Department of Mathematics,
University of New South
Wales, P.O. Box 1,
Kensington, N.S.W. 2033

J. N. Crossley—logic,
Department of Mathematics,
Monash University,
Clayton, Victoria 3168

T. E. Hall—semigroups,
Department of Mathematics,
Monash University,
Clayton, Victoria 3168

R. Lidl—algebra,
Department of Mathematics,
University of Tasmania,
Box 252C, G.P.O., Hobart,
Tasmania 7001

J. B. Miller—functional analysis,
Department of Mathematics,
Monash University,
Clayton, Victoria 3168

W. Moran—harmonic analysis,
Department of Pure
Mathematics,
University of Adelaide,
G.P.O. Box 498, Adelaide,
S.A. 5001

G. R. Morris—differential equations,
Department of Mathematics,
University of New England,
Armidale, N.S.W. 2351

J. H. Rubinstein—topology,
Department of Mathematics,
University of Melbourne,
Parkville, Victoria 3052

R. H. Street—categories,
School of Mathematics &
Physics,
Macquarie University,
North Ryde, N.S.W. 2113

E. Strzelecki—analysis,
Department of Mathematics,
Monash University,
Clayton, Victoria 3168

D. E. Taylor—groups,
Department of Pure
Mathematics,
University of Sydney,
Sydney, N.S.W. 2006

R. L. Tweedie—probability and statistics,
Division of Mathematics and
Statistics,
CSIRO, P.O. Box 310,
South Melbourne, Victoria
3205

A. J. van der Poorten—number theory,
School of Mathematics and
Physics,
Macquarie University,
North Ryde, N.S.W. 2113

J. Virsik—differential geometry,
Department of Mathematics,
Monash University,
Clayton, Victoria 3168

R. O. Vyborny—abstract analysis, partial differential equations,
Department of Mathematics,
University of Queensland,
St. Lucia, Queensland 4067

W. Wallis—combinatorics,
Department of Mathematics,
University of Newcastle,
Newcastle, N.S.W. 2308

Assistant Editors

K. Mackenzie,
Department of Mathematics,
Monash University,
Clayton, Victoria 3168

R. T. Worley,
Department of Mathematics,
Monash University,
Clayton, Victoria 3168

Correspondence concerning the printing of papers after their acceptance for publication should be addressed to K. Mackenzie.