

BULLETIN

Volume 6 (1972)

of the Australian Mathematical Society

Number 2

R. J. Loy	<i>Local analytic structure in certain commutative topological algebras</i>	161
R. A. Bryce	<i>Projective groups in varieties</i>	169
T. P. Speed	<i>Profinite posets</i>	177
R. E. Edwards	<i>Inequalities related to those of Hausdorff-Young</i>	185
R. Lalithambal	<i>On theorems of Thornton</i>	211
A. R. Makan	<i>The Fitting length of a finite soluble group and the number of conjugacy classes of its maximal nilpotent subgroups</i>	213
John W. Lloyd	<i>Inductive and projective limits of smooth topological vector spaces</i>	227
Rodney Nilsen	<i>Extreme point properties of fixed-point sets</i>	241
D. Spoerel	<i>A remark on Ribenboim's paper, 'On the extension of orders in ordered modules'</i>	251
Terence M. Gagen and Mark P. Hale, Jr	<i>On the maximal normal prime-nilpotent subgroup of a prime-solvable group</i>	255
Michael G. Cowling	<i>Extension of multipliers by periodicity</i>	263
D. J. McCaughan and D. McDougall	<i>The subnormal structure of metanilpotent groups</i>	287
E. R. Love	<i>Functions of asymptotic expansions</i>	307
Gilbert Baumslag	<i>A non-cyclic, locally free, free-by-cyclic group all of whose finite factor groups are cyclic</i>	313
J. L. Hickman	<i>Some definitions of finiteness: Corrigenda</i>	319
Abstracts of Australasian Ph.D. theses		
Rodney Victor Nilsen	<i>Fixed points of semigroups in a Choquet simplex and compactification</i>	315
J. M. Mack	<i>Simultaneous diophantine approximation</i>	317

Bull. Austral. Math. Soc. Vol. 6 (1972) No. 2, pp. 161-319

THE UNIVERSITY OF QUEENSLAND PRESS
ST LUCIA, QUEENSLAND 4067

THE AUSTRALIAN MATHEMATICAL SOCIETY

President: G. E. Wall University of Sydney
Secretary: W. Pye Secondary Teachers' College,
Swanston Street, Parkville, Victoria 3052, Australia
Treasurer: V. G. Hart Department of Mathematics,
University of Queensland,
St. Lucia, Queensland 4067, Australia.

(These officers serve until May 1972)

Membership and correspondence

Applications for membership, notices of change of address or title or position, and other correspondence, except as noted below, should be sent to the Secretary (address above). Subscriptions and correspondence related to accounts should be sent to the Treasurer (address above). Correspondence about the distribution of the Society's JOURNAL and BULLETIN, and orders for back numbers, should be sent to the Business Manager, whose address is the same as the Treasurer's (above).

Publications

The JOURNAL of the Australian Mathematical Society began publication in 1959, and now appears in two volumes, each of four parts, annually. Manuscripts for publication should be sent to the Editor:

Professor B. Mond,
Department of Mathematics,
La Trobe University,
Bundoora, Victoria 3083, Australia,

or to one of the Associate Editors listed in a recent part of the JOURNAL. The BULLETIN of the Australian Mathematical Society began publication in 1969. Two volumes of three numbers each are published annually. Manuscripts for publication should be sent to the Editor:

Professor B. H. Neumann,
Department of Mathematics,
Institute of Advanced Studies,
Australian National University,
POB4, Canberra, ACT 2600, Australia,

or to the Associate Editor, Dr L. G. Kovács, at the same address.

Authors receive 50 free offprints of their papers and may order more at cost. Offprint orders and correspondence about proofs should be sent to one of the Assistant Editors:

Associate Professor A. McMullen, or	Dr. S. Yamamuro,
Department of Mathematics,	Department of Mathematics,
Royal Military College,	Institute of Advanced Studies,
Duntroon, ACT 2600, Australia.	Australian National University,
	POB4, Canberra, ACT 2600, Australia.

(Continued inside back cover)