

THE JOURNAL
of
THE AUSTRALIAN MATHEMATICAL
SOCIETY

VOLUME XIV - PART 3

NOVEMBER 1972

T. P. SPEED	<i>A note on commutative Baer rings</i>	257
G. BAIKUNTH NATH and P. V. KRISHNA IYER	<i>Note on the combinatorial formula for ${}_nH_r$</i>	264
F. J. PAPP and R. M. NIELSEN	<i>Convergence of iterates and differentiability</i>	269
E. TARAFDAR	<i>Improjective operators and ideals in a category of Banach spaces</i>	274
W. R. WOODWARD and R. R. CHIVUKULA	<i>Invariant linear functionals</i>	293
G. T. SPIRASON and E. STRZELECKI	<i>A note on P_1-ideals</i>	304
M. F. JANOWITZ	<i>Constructible lattices</i>	311
J. LLOYD	<i>On classes of null sets</i>	317
	<i>Continued on back cover</i>	

Published for
THE AUSTRALIAN MATHEMATICAL SOCIETY
by Jerusalem Academic Press — Jerusalem — Israel

THE AUSTRALIAN MATHEMATICAL SOCIETY

<i>President:</i>	G. SZEKERES	University of New South Wales
<i>Secretary:</i>	W. PYE	Melbourne College of Education, Cnr. Grattan and Swanston Streets, Carlton, Victoria 3053.
<i>Treasurer:</i>	V. G. HART	} Department of Mathematics, University of Queensland, St. Lucia, Queensland, 4067
<i>Business Manager:</i>	H. M. FINUCAN	
<i>Membership subscriptions:</i>	Institutions:	A\$100
	Other members:	A\$16 (which may be reduced to A\$6 for undergraduates and junior graduates)

Reciprocity agreements: Such agreements have been made with a number of other mathematical societies. Under the agreements members of the other societies who are not normally resident in Australia may join the Australian Mathematical Society at half the current rates.

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

Members of the Society receive copies of the JOURNAL free, and may subscribe to the BULLETIN at the price of A\$4 per volume. Members may elect to receive the BULLETIN instead of the JOURNAL.

THE BULLETIN

Two volumes of three numbers each are published annually, at an annual subscription of A\$25, in 1972.

Manuscripts for publication in the BULLETIN should be sent to the Editor:

Professor B. H. NEUMANN,
Department of Mathematics,
Institute of Advanced Studies,
Australian National University,
POB 4, Canberra A.C.T. 2600

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