THE JOURNAL of

THE AUSTRALIAN MATHEMATICAL SOCIETY

VOLUME XIV - PART 1

JULY 1972

R. S. GUPTA	Radius of univalence and starlikeness of a class of	
	analytical functions	1
D. G. TACON	Weak compactness in normed linear spaces	9
George Szeto	On a class of near-rings	17
M. F. JANOWITZ	The near center of an orthomodular lattice	20
A. Erdélyi	Fractional integrals of generalized functions	30
J. W. Wamsley	A class of two generator two relation finite groups .	38
YIP KAI-WING	Quasi-homeomorphisms and lattice-equivalences of	
	topological spaces	41
MURRAY R. KIRCH	On Hewitt's τ-maximal spaces	45
G. R. BAIRD	On the lattice of congruences on a band	49
DENG-YUAN HUANG	A note on generalized unique extension of measures	59

Continued on back cover

Published for THE AUSTRALIAN MATHEMATICAL SOCIETY

by Jerusalem Academic Press - Jerusalem - Israel

THE AUSTRALIAN MATHEMATICAL SOCIETY

President: G. SZEKERES University of New South Wales

Secretary: W. PyE Secondary Teachers' College,

Swanston Street,

Parkville, Victoria 3052.

Treasurer: V. G. HART Department of Mathematics,

University of Queensland,

Business Manager: H. M. FINUCAN St. Lucia, Queensland, 4067.

Membership subscriptions: Institutions: A\$50

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.

THE JOURNAL of THE AUSTRALIAN MATHEMATICAL SOCIETY

VOLUME XIV

1972

Printed and published for
THE AUSTRALIAN MATHEMATICAL SOCIETY

 $by\ Jerusalem\ Academic\ Press-Jerusalem-Israel$