## Glasgow Mathematical Journal

## CONTENTS

Patricia J. Frazer, David J. Foulis and Charles H. Randall, Weight functions on extensions of the compound manual ..... 97
Mario Petrich, The conjugate hull of an inverse semigroup ..... 103
J. R. L. Webb, On the homotopy property of degree for multivalued noncompact maps ..... 125
Mark L. Teply, Semiprime semigroup rings and a problem of J. Weissglass ..... 131
Camilla R. Jordan, On the group ring of a free product with amalgamation ..... 135
James Wiegold, A problem in Lie rings ..... 139
Charles A. Akemann and Steve Wright, Compact actions on C*-algebras ..... 143
P. F. Smith, Localization in non-Noetherian group rings ..... 151
Brian Fisher, Results on common fixed points on complete metric spaces ..... 165
D. H. Smith, Perfect codes in the graphs $O_{k}$ and $L\left(O_{k}\right)$ ..... 169
M. H. Bijan-Zadeh, A common generalization of local cohomology theories ..... 173
C. K. Fong, A note on liftings of hermitian elements and unitaries ..... 183
Heiko Harborth and Heinz-Michael Nitzschke, Solution of Irving's Ramsey problem ..... 187
Earl Berkson and Horacio Porta, The group of isometries on Hardy spaces of the $n$-ball and the polydisc ..... 199
Jürgen Tappe, Autoclinisms and automorphisms of finite groups II ..... 205
Stavros Papastravridis, Killing rational characteristic classes by surgery ..... 209

## GLASGOW MATHEMATICAL JOURNAL

The Glasgow Mathematical Journal is a continuation of the Proceedings of the Glasgow Mathematical Association, founded in 1952 by the late Professor T. M. MacRobert. It is published with the support of the University Court of the University of Glasgow. The Glasgow Mathematical Journal is published in Parts twice yearly, in January and July; two Parts complete a Volume of approximately 200 pages.

The prepaid subscription for each Volume is $£ 15.00$ in U.K., $\$ 37.50$ in U.S.A., post free. Single parts may be supplied at a cost of $£ 7 \cdot 50$ in U.K., $\$ 18.75$ in U.S.A., net.

Copies may be ordered direct from the publisher or from any bookseller.

## Information for Contributors

While the Glasgow Mathematical Journal is intended primarily for Pure Mathematics, papers on Applied Mathematics will also be accepted. Manuscripts from all parts of the world will be welcomed and given careful consideration.

Manuscripts, preferably typed, should be prepared so as to conform with the practice in current numbers of the Journal, especially with regard to line illustrations, references, tables and summaries. The name of the author and the date of the receipt of the manuscript will be printed under the title. Text figures must be suitable for line block reproduction, lettered in pencil, numbered, and separated from the text but allocated clearly to sections of the text.

References should be placed at the end of the paper, arranged and numbered in alphabetical order. In the text, reference numbers should be enclosed in square brackets and underlined, to distinguish them from formula numbers, which should be quoted in round brackets. The following particulars should be given, in the order indicated:
for references to books-author, title, edition, place of publication, year of publication, page reference;
for references to articles in periodicals-author, title of article, short title of periodical, series no. (if any), volume no., year, pagination.

A proof is supplied once in galley form, together with an Order Form for offprints. Offprints are supplied free to the number of twenty-five; additional copies, if ordered prior to publication, will be supplied, at cost, at the request of the contributor. Excessive corrections may be charged to the author.

Manuscripts should be sent to:
The Editors
Glasgow Mathematical Journal
Department of Mathematics University of Glasgow, Glasgow G12 8QW

