LMS NEWSLETTER

COLLINGWOOD PRIZE

The Collingwood Prize which was given by the London Mathematical Society to the University of Durham in memory of Sir Edward Collingwood has been awarded in 1973 to Mr. A. M. Cummins of Van Mildert College, who obtained a First Class Honours degree in Mathematics and is going to the University of Warwick to do research in Mathematics.

E. J. SQUIRES

FORTHCOMING MEETINGS OF THE SOCIETY

18th October, 1973. Dr. J. H. Wilkinson of the National Physical Laboratory, Teddington, will speak on

" Singularity and Confluence—the Numerical Analysts' Dilemma "

at 5.00 p.m. in Burlington House, Piccadilly, London W1V 0NL.

This will be preceded by tea at 4.30 p.m.

15th November, 1973. Annual General Meeting of the Society at 5.00 p.m. in Bedford College, Regent's Park, London N.W.1.

Professor P. M. Cohn of Bedford College will speak on

" Algebra and Language Theory ".

This will be preceded by tea at 4.30 p.m.

The *Annual Dinner* in the evening will be held in the London Zoo; the cost will be about £3, and full details will appear in the November NEWSLETTER.

D. A. BRANNAN

WHAT IS A MONOGRAPH?

A monograph, the O.E.D. tells us, is "a separate treatise on a single object, or class of objects ", and the word is generally understood to mean a book treating a particular topic in detail, although in publisher's language it means a book by a single author (as opposed to a collection with an editor). In any case it seemed to me that what was needed were introductions to specific areas of research in mathematics, giving the latest state of things, but with enough background to be intelligible to beginning research students. Originally a more grandiose title was planned but we asked ourselves: what will people be calling it?—and forestalled them by choosing the title accordingly: L.M.S. monographs.

My original plan was to aim at a very high standard. The appearance of vol. 1 (Wall, Surgery on compact manifolds) justified my hopes, though I was not able to keep this up for two volumes (the second was my own book: Free rings and their relations). But a third volume should be coming out shortly: N. Popescu's Abelian categories, with applications to rings and modules, which I hope will continue the standard set by vol. 1. There are a number of books in the pipe-line, but I would not wish to embarrass the authors by naming them (at least not until their manuscripts are in the editors' hands).

How can you tell whether the MS you have at home (perhaps unwritten as yet) is a monograph? Firstly, it should have something new to say, if not in content, then in presentation. Secondly, it should say it in an interesting manner, and there should also be enough background put in to make it intelligible to readers beyond those to whom you normally send offprints. It may be that the MS you have is really a set of lecture-notes, rather than a book (editors, if not authors, can usually tell the difference). In that case you should contact G. C. Shephard; otherwise drop a line to me or to G. E. H. Reuter, depending on your interests.

P. M. COHN

MEMBERSHIP UNDER RECIPROCITY AGREEMENT

The following alterations and additions to the particulars given on Page 20 of the Charter and Statutes and By-laws have been notified:

American Mathematical Society
321 South Main Street, P.O. Box 6248, Providence, R.I. 02904, U.S.A. Annual dues $12. *Notices* and *Bulletin* free. Other periodicals and book publications at reduced rates.

Dansk Matematisk Forening
Universitetparken 5, København Ø, Denmark. Annual dues 15 Danish kroner. *Mathematica Scandinavica* 40 Danish kroner per volume.

Norsk Matematisk Forening
Institutt for matematiske fag, Universitetet Blindern, Oslo, Norway. Annual dues 7 Norwegian crowns, *Nordisk Matematisk Tidskrift* 20 Norwegian crowns.

Wiskundig Genootschap
(Secretary Dr. A. W. Grootendorst), p.a. Technische Hogeschool, Julianalaan 132, Delft, Holland. Annual dues $12\frac{1}{2}$ Dutch florins. *Mededelingen* and *Het Nieuw Archief voor Wiskunde* free, *Indagationes Mathematicae* 23 Dutch florins.

Australian Mathematical Society
(Secretary Dr. W. Pye), Secondary Teachers' College, Swanston Street, Parkville, Vic. 3052, Australia. Annual dues A$8. *Journal* or *Bulletin* free. *Journal* and *Bulletin* A$8.

Svenska Matematikersamfundet
Box 6701, 113 85 Stockholm, Sweden. Annual dues 7.50 Sw. crowns.

I. M. JAMES

LECTURE NOTE SERIES

The following two volumes have been recently published by Cambridge University Press in callaboration with the L.M.S.

Volume 9. *Elliptic Functions and Elliptic Curves*, by Patrick Du Val, 260 pp. £3·30.

These notes provide an introduction to elliptic functions and their application to the study of elliptic curves. Apart from requiring some basic knowledge of function theory and algebraic geometry, the notes are self-contained.

Volume 10. *Numerical Ranges II*, by F. F. Bonsall and J. Duncan, 184 pp. £2·40.

This is a sequel to *Numerical Ranges* published as Volume 2 in this series. It gives an account of the progress made in the theory of numerical ranges during the last three years.

The next volume in the series, to be published in early October, is the following:

Volume 11. *New Developments in Topology*. (The proceedings of a symposium in algebraic topology held in Oxford in June 1972.) Edited by G. Segal, 120 pp., about £2·30.

A collection of papers, some of which do not correspond closely to the talks given at the conference; the object has been to produce a volume of mathematical rather than historical interest. The main theme is the relationship between generalised cohomology theories, infinite loop spaces, and the symmetric groups.

All these volumes are available to L.M.S. members at a discount of 25% on the published price. Orders should be sent to Mrs. B. Shalit, London Mathematical Society, Burlington House, Piccadilly, London W.1, together with an appropriate cheque.

The editor of the series is Professor G. C. Shephard, University of East Anglia, Norwich NOR 88C. He will be glad to receive manuscripts suitable for publication: records of lectures and seminars on advanced topics in mathematics, proceedings of conferences, etc. The manuscripts should normally be between 80 and 200 pages in length. The notes are reproduced by offset lithography from a typescript prepared on a special machine by Cambridge University Press.

G. C. SHEPHARD

DURHAM SYMPOSIA

Members have already been informed that the Society is arranging, in collaboration with the University of Durham, a continuing series of working research symposia. Two such symposia have been planned for 1974, namely "Global Riemannian Geometry" organised by Professors J. Eells and T. J. Willmore, from 11th–22nd July, followed by "Functional Analysis and Stochastic Processes" organised by Dr. D. J. H. Garling and Professor J. F. C. Kingman, from 22nd July—2nd August. Many places in each symposium will be filled by invitation only, but there will be a number available to those who apply to the organisers. These applications should be made to the organisers not later than 1st May 1974. Early applications are advised as the places will probably be filled on a "first come first served " basis.

It is expected that between 40 and 60 mathematicians will attend each symposium, about one-third of whom will be from abroad. Participants will live in Grey College, which is only a few minutes walk from the Department of Mathematics. Facilities will be given for them to use the University Library and to use the very fine Collingwood Library which was bequeathed to the Department of Mathematics by the late Sir Edward Collingwood.

Durham has many attractions as a centre for this series of symposia. There are facilities in the form of a modern residential college near to the University Department of Mathematics. Moreover the magnificent Cathedral, Castle and river banks of the city, together with the proximity of the moors, Hadrian's Wall, and the seaside should stimulate mathematicians to give of their best.

The symposia are being helped financially by the Royal Society, the London Mathematical Society and also, it is hoped, by the Science Research Council. Further details including registration fee and accommodation charges will be announced later, but members interested in attending one or other symposium should keep these dates clear.

Both the University of Durham and the Council of the London Mathematical Society look forward to the success of these first two symposia in 1974 and to their being the forerunners of a large number of successful symposia in the years to come.

Suggestions for topics for future symposia will be welcomed by the Council of the Society, especially from those prepared to assist with the scientific organisation of the symposia, and should be sent to The Secretary, Dr. D. A. Brannan. Proposals for the 1975 summer symposia should if possible be submitted by 1st December, 1973; hopefully provisional decisions on the proposals could then be made in January, 1974.

T. J. WILLMORE