

LMS NEWSLETTER

No. 66

February 1980

DATES OF SOCIETY MEETINGS

Friday, 15 February 1980, Burlington House (R. Heath-Brown & C. Hooley).

Friday, 21 March 1980, Burlington House (L. Nirenberg & J. D. Murray).

Friday, 16 May–Saturday, 17 May 1980. Two-day meeting at Manchester.

Friday, 20 June 1980, Burlington House (J. C. Clunie & J. Eells). R. A. BAILEY

TWO DAY MEETING AT MANCHESTER

The meeting will begin at approximately 2.00 p.m. on Friday, 16 May 1980, and continue on Saturday at 9.30 a.m. It is expected to finish after noon on Saturday. The following have accepted invitations to speak, and one further talk remains to be arranged:

G. Baumslag: "The integral homology of finitely presented groups".

P. M. Neumann: "Wreath products now and then".

F. T. Farrell: "Aspherical manifolds".

E. Rees (Title to be announced).

A dinner for participants will be held on the Friday evening. Further details, including hotel information, will appear in the April *Newsletter*.

B. HARTLEY

L.M.S. LECTURE NOTE SERIES

As Managing Editor of this series I am always glad to hear of proposals for the series in any branch of pure or applied mathematics. Please address suggestions to me at the Mathematical Institute, St. Giles, Oxford OX1 3LB.

I. M. JAMES

MATHEMATICS COMMITTEE GRANTS AWARDED

The following grants were awarded by the Mathematics Committee of the Science Research Committee in November 1979. The first name is the principal investigator and the dates are the period of the grant.

G. M. Luck (Aston): SVF for R. N. Howard (Ottawa). Dec. 79.

J. G. Thompson (Cambridge): Simple Groups and Modular Functions. Jan. 80–Dec. 81.

T. J. Willmore (Durham): Commutative Algebra (Symposium). July–Aug. 81.

T. J. Willmore (Durham): Operator Algebras (Symposium). July 81.

F. F. Bonsall (Edinburgh): SVF for J. P. Williams (Indiana). Sept. 80–July 81.

C. W. Clenshaw (Lancaster): SVF for B. Noble (Wisconsin). June 80.

M. G. Simpson (Lancaster): Lancaster Simulation Centre. May 80–April 82.

D. R. Cox (Imperial, London): SVF for O. Barndorff-Nielsen (Aarhus).

C. T. H. Baker (Manchester): SVF for C. W. Groetoch (Cincinnati). Sept.–Oct. 80.

C. T. H. Baker (Manchester): SVF for H. Brunner (Dalhousie). April 80.

C. T. H. Baker (Manchester): SVF for P. J. V. D. Houwen (Amsterdam). April 80.

J. E. Walsh (Manchester): Accuracy and Error Control in the Numerical Integration of Parabolic Equations. Aug. 80–July 81.

W. A. Green (Nottingham): SVF for K. Sobczyk (Warsaw). April 80.

W. A. Green (Nottingham): SVF for Z. Wesolowski (Warsaw). April 80.

W. A. Green (Nottingham): SVF for H. Zorski (Warsaw). April 80.
J. S. Pym (Sheffield): SVF for W. Moran (Adelaide). June 80–Jan. 81.
I. D. Macdonald (Stirling): The Nilpotent Quotient Algorithm for P-groups. Jan.–Dec. 80.
K. Schmidt (Warwick): Von Neumann Algebras and Ergodic Theory (Symposium).
Mar.–Aug. 81.

BRITISH COMBINATORIAL COMMITTEE

Committee News

At a business meeting held during the Seventh British Combinatorial Conference (13–17 August 1979, Trinity College, Cambridge) a new committee was elected to serve until the next conference. At a subsequent meeting of the newly elected committee, members to serve as Honorary Secretary and Honorary Treasurer were chosen. The members of the new committee are as follows:

R. Rado (Chairman), R. A. Bailey, J. P. Cameron, M. J. Ganley (Bulletin Editor), J. W. P. Hirschfeld (Treasurer), A. D. Keedwell (Secretary), E. K. Lloyd, H. N. V. Temperley (Local Organiser for 1981 Conference), R. J. Wilson.

Eighth British Combinatorial Conference

The Committee wishes to announce that the next British Combinatorial Conference will be held at the University College of Swansea from 20 to 24 July 1981.

British Combinatorial Bulletin

This booklet, published annually, contains news of conferences and colloquia on combinatorial topics, a list of British mathematicians known to be interested

in combinatorics and information about their forthcoming research publications. It is available on request free of charge to mathematicians resident in Great Britain and at a cost of £1 (to cover postage for two issues) to interested persons resident overseas. Please send £1 in sterling to the Editor, M. J. Ganley, Department of Mathematics, University of Glasgow, Glasgow, Scotland G12 8QW.

One-Day Colloquia on Combinatorial Topics

The British Combinatorial Committee has again decided to make a limited sum of money available for the support of one-day colloquia on combinatorial topics. The Committee will, however, expect any institution requesting money under this arrangement to provide a reasonable proportion of the total needed from its own funds. Proposals for consideration by the Committee should be sent in the first instance to the Secretary, A. D. Keedwell, Department of Mathematics, University of Surrey, Guildford, Surrey, England, GU2 5XH.

Two one-day colloquia have so far been arranged for 1980, at the University of Reading on Wednesday, 7 May and at the University of Surrey on Friday, 31 October.

LOGIC AND ALGORITHM SYMPOSIUM

A symposium on logic and algorithms to celebrate the 60th birthday of E. Specker will be held at the ETH Zürich, Switzerland on 5–11 February 1980. Invited speakers include: W. Baur, R. H. Bott, S. A. Cook, G. Coray, P. Erdős, M. Fischer, M. Fürer, J. Gaifman, R. Gandy, J. Y. Girard, V. N. Grischin, R. Jensen, R. Karp, S. Kochen, S. Koppelberg, A. R.

Meyer, J. Paris, M. S. Paterson, W. Paul, A. Prestel, M. O. Rabin, C. P. Schnorr, A. Schönhage, H. Schwichtenberg, J. Shepherdson, L. G. Valiant, H. Wang and M. Ziegler. Further details can be obtained from V. Strassen, Seminar für Angewandte Mathematik der Universität, Freiestrasse 36, CH-8032 Zürich.

THEORY AND APPLICATIONS OF GRAPHS

An International Conference on the theory and applications of graphs will be held in Kalamazoo, Michigan on 6-9 May 1980. Invited speakers include:

J. Akiyama, Ll. W. Beineke, J.-C. Bermond, N. Biggs, F. Boesch, J. A. Bondy, F. Buckley, M. F. Capobianco, P. Catlin, F. K. Chung, R. J. Cook, P. Erdős, R. Entringer, R. J. Faudree, O. Frank, A. Gewirtz, R. J. Gould, R. L. Graham, J. L. Gross, F. Harary, J. Joyce, J. Kennedy, E. A. Nordhaus, E. M. Palmer, A. D. Polimeni, L. V. Quintas, K. Brooks Reid, R. D. Ringeisen, G. Ringel, F. Roberts, R. Schelp, E. F. Schmeichel, S. Schuster,

A. J. Schwenk, J. Simoes-Pereira, P. Slater, P. Stockmeyer, H. Joseph Straight, D. P. Sumner, C. Thomassen, W. T. Trotter, W. T. Tutte, C. E. Wall, R. J. Wilson and C. Zamfirescu.

Further information can be obtained from the Directors of the 1980 Graph Theory Conference, Dept. of Mathematics, Western Michigan University, Kalamazoo, Michigan 49008, U.S.A.

ICPAM

The International Centre for Pure and Applied Mathematics was created in October 1978 under UNESCO sponsorship and is supported by the French Government and the City of Nice. It is concerned mainly with mathematics in developing countries. To this end it organises mathematical schools at the ICPAM headquarters and elsewhere and provides a centre where mathematical researchers from developing countries can meet those from developed countries.

The ICPAM is directed by a Board of Directors and a Scientific Council consisting of representatives of the International

Mathematical Union, the African Mathematical Union and the South-East Asian Mathematical Society. The President of ICPAM is H. Hogbe-Nlend (Cameroon) and the Vice-President is P. Grisvard (Nice). In 1979, Schools on finite elements, data analysis and informatics were organised. In 1980 research and training schools will be organised on statistics, harmonic analysis and differential equations and control theory.

The ICPAM address is Villa Albert Einstein, 1 Avenue Edith Cavell, 06000 Nice, France.

LMS SCHEME FOR OVERSEAS VISITORS

A number of visits are now being planned under this scheme (see *Newsletter* October 1979). Professor Chen Jing-run (Chinese Academy of Sciences, Peking) is visiting the Mathematics Department of Nottingham University (sponsored also by the Science Research Council) in the period December '79-March '80. During this time he expects to visit Cambridge, London and Oxford. Further details can be obtained from H. Halberstam (Nottingham).

Dr G. Betsch (Tübingen) will visit Teesside Polytechnic from 25 February-9 March 1980. He will give a lecture there on "Near Rings of Group Mappings" in the afternoon of 27 February. Further details can be obtained from A. Oswald (Teesside Polytechnic). Dr Betsch will also speak in Edinburgh. Details will be available from J. D. P. Meldrum (Edinburgh) when they have been arranged.