

# LMS NEWSLETTER

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No. 58

April 1979

## L.M.S. COMMITTEES AND REPRESENTATIVES

The various L.M.S. Committees and representatives appointed by Council are:

GENERAL PURPOSES COMMITTEE: President (Convenor), Treasurer, Librarian, Council Secretary, Meetings Secretary, Publications Secretary.

PUBLICATIONS COMMITTEE: Publications Secretary (Convenor), Editor and Secretary of each of the Journal, Bulletin and Proceedings.

DURHAM SYMPOSIA COMMITTEE: J. H. Williamson (Convenor), T. J. Willmore, C. A. Rogers, J. F. Adams, P. M. Cohn, J. Crank.

FINANCE COMMITTEE: Treasurer (Convenor), President, Publications Officer, D. A. Brannan, J. H. Williamson.

BULLETIN: D. E. Edmunds (Editor, '77- ); R. H. Dyer (Secretary, '74- ).

PROCEEDINGS: G. R. Allan (Editor, '76- ); D. J. Collins (Secretary, '78- ).

JOURNAL: P. M. Neumann (Editor, '76- ); (Secretary, '77- ).

TECHNICAL EDITORS: Mrs. Nicholas (JLMS); E. & P. Smith (BLMS); A. Sharp (PLMS).

REVIEWS EDITOR: C. B. Thomas ('76- ).

OBITUARIES EDITOR: J. V. Armitage ('73- ).

JOINT MATHEMATICAL COUNCIL: M. E. Rayner ('77- ).

MONOGRAPHS: D. A. Edwards (Business); H. Halberstam (Jan. '78-Dec. '82).

LECTURE NOTES: I. M. James (Jan. '78-Dec. '82).

COUNCIL FOR NATIONAL ACADEMIC AWARDS: J. L. B. Cooper ('77- ).

RUSSIAN MATHEMATICAL SURVEYS: K. A. Hirsch ('60- ).

T.M.M.S. JOINT EDITOR: L. W. Longdon ('73- ).

RS MATHEMATICAL EDUCATION COMMITTEE: T. J. Willmore ('79- ).

ADVISORY BOARD OF WARWICK MATHEMATICS RESEARCH CENTRE: C. T. C. Wall ('78- ).

BRITISH NATIONAL COMMITTEE FOR MATHEMATICS: J. H. Williamson (Jan. '79-Dec. '84).

W. H. Cockcroft (Jan. '76-Dec. '81); J. F. C. Kingman (Jan. '79-Dec. '84).

BRITISH NATIONAL COMMITTEE FOR THEORETICAL AND APPLIED MECHANICS: L. F. Fraenkel ('78-'83).

BRITISH MATHEMATICAL COLLOQUIUM: P. McMullen, A. W. Goldie.

U.K. PERIODICALS' BACKLOGS: C. T. C. Wall ('74- ).

TRUSTEE ON APPLIED PROBABILITY TRUST: G. E. H. Reuter (Proxy is: P. A. P. Moran).  
ARCHIVES: Librarian.

PHOTOGRAPHIC ARCHIVES: D. G. Kendall ('74- ).

NEWSLETTER: B. E. Johnson ('75- ).

PERIODICAL EXCHANGES COMMITTEE: Librarian, Publications Secretary.

EDUCATION COMMITTEE: H. Halberstam (Convenor).

COLLINGWOOD PRIZE: P. J. Higgins ('79- ).

OPEN UNIVERSITY COMMITTEE ON MATHEMATICS FILMS: D. B. Singmaster, I. M. James, M. Rayner ('76- ).

1979 INSTRUCTIONAL CONFERENCE COMMITTEE: D. A. Brannan, J. G. Clunie.

EUROPEAN MATHEMATICAL COUNCIL: I. M. James (Publications), H. B. Griffiths (Education), C. T. C. Wall (Advanced Courses). ('77- ).

NEWSLETTER EDUCATIONAL SUPPLEMENT: H. B. Griffiths, K. E. Hirst.

LOCAL REPRESENTATIVE NETWORK: A. W. Goldie.

MEMBERSHIP LIST COMMITTEE:

CONFERENCE SUPPORT COMMITTEE: C. T. C. Wall (Convenor), T. J. Willmore, J. D. M. Wright.

PROGRAMME COMMITTEE: C. T. C. Wall (Convenor), D. B. Singmaster, P. M. Neumann, J. S. Pym.

BRITISH ASSOCIATION: H. Halberstam ('79- ).

## DATES OF SOCIETY MEETINGS

Friday, 18 May–Saturday, 19 May 1979, Birmingham.

Friday, 15 June 1979, Burlington House Hardy Lecture.

London meetings will be held in the Geological Society's Rooms, Burlington

House, Piccadilly. Council meetings will be held in conjunction with all the above meetings except that on 18 May 1979. Council will meet in London on 11 May 1979.

D. B. SINGMASTER

## NEWS FROM COUNCIL

The Royal Charter of the Society is to be mounted and framed, and hung in the L.M.S. Office in Burlington House.

The following dates for Society meetings in the next session have been tentatively agreed:

1979: 12 October, 16 November.

1980: 18 January, 21 March, 16 May, 20 June.

Professor H. Halberston will represent the Society on the Organising Committee for the session on Pure Mathematics at

the British Association for the Advancement of Science meeting at Heriot-Watt University, 2–7 September 1979.

A Programme Committee has been set up to plan and supervise regular L.M.S. meetings, instructional conferences, small conferences supported or sponsored by the Society, and other occasional meetings. The members are Professor C. T. C. Wall (Convenor), Dr. D. B. Singmaster (Secretary), Dr. P. M. Neumann, and Professor J. S. Pym.

D. A. BRANNAN

## JUNIOR WHITEHEAD PRIZE

Council has instituted a Junior Whitehead Prize in memory of Professor J. H. C. Whitehead (L.M.S. President, 1953–55). Not more than two per year will be awarded, after a secret ballot of Council. The Prize is restricted to mathematicians normally resident in the United Kingdom of Great Britain and Northern Ireland who are (i) young (i.e. under 40 years old, with preference to those under 35 years), and (ii) not already Fellows of the Royal

Society of London. It is *not* restricted to any field or area of mathematics. Grounds for the award shall include the candidate's work in and influence on mathematics.

Members of the Society are invited to send suggestions of names (with detailed reasons, possibly reprints or draft citations) to any member of the 1979 Prize Committee (Professors C. T. C. Wall, I. M. James and J. W. S. Cassels) as soon as possible.

D. A. BRANNAN

## VISITORS TO IHES

The following are visiting the IHES this spring (this list is supplementary to that in the January 1979 *Newsletter*).

<i>Name</i>	<i>Home Institution</i>	<i>Dates</i>
M. Asbacher	Princeton	May 79
R. Edwards	UCLA	April–June 79
D. Fried	Berkeley	Jan.–June 79
A. Gray	Maryland	April–May 79
J. Guckenheimer	Santa Cruz	Jan.–June 79
B. Mazur	Harvard	June 79
J. Milne	Ann Arbor	May–June 79
S. Newhouse	Chapel Hill	May 79
P. Norman	Amherst, Mass.	Jan.–June 79
B. Plohr	Princeton	Feb.–July 79
M. Scharlemann	Santa Barbara	April–July 79
E. Seiler	Princeton	Feb.–Aug. 79
G. Shimura	Princeton	May–June 79
T. Shintani	Tokyo	May 79–Mar. 80
J. Sotomayor	IMPA Rio de Janeiro	May 79

## JOURNAL OF APPLIED PROBABILITY

The subscription rates for 1980 for L.M.S. members will be:

L.M.S. personal members	.. ..	£9.35
L.M.S. corporate members	.. ..	£28.05

G. E. H. REUTER



## NATO INSTRUCTIONAL CONFERENCE

The North Atlantic Treaty Organisation and the London Mathematical Society are sponsoring an Advanced Study Institute—Instructional Conference on Aspects of Contemporary Complex Analysis in Durham University, 1–20 July, 1979. Courses of lectures on Brownian motion, approximation in the plane and conformal mapping will be given by J. L. Doob, J. Korevaar, P. L. Duren, D. L. Burkholder,

A.-M. Chollet, J. Becker, A. Baernstein, A. Stray, C. Pommerenke, W. K. Hayman, J. G. Clunie, D. A. Brannan, M. Heins and W. J. Schneider.

Further information on the programme and availability of financial support from ASI funds and application forms for places are available from Professor J. G. Clunie (Ref. IC/79), Department of Mathematics, Imperial College, London S.W.7.

## ABELIAN GROUPS, MODULES AND RELATED TOPICS

The eighteenth session of the Séminaire de Mathématique Supérieures will be held in Montreal, Canada on 11 June–6 July, 1979. Invited speakers include: K. Benabdallah (Montréal): Groupes abéliens sans torsion; V. Dlab (Carleton): Structure of Filtered Vector Spaces; Applications to the Theory of Abelian Groups and Modules; P. C. Eklof (Irvine): Set Theoretic and Logical Methods in Homological Algebra and Abelian Groups; L. Fuchs (Tulane): Abelian  $p$ -Groups and Mixed Groups;

C. Peskine (Strasbourg): Algèbres graduées de codimension 2 et applications géométriques; P. Roberts (Utah): Homological Invariance of Modules over Commutative Rings; K. W. Roggenkamp (Stuttgart): Integral Representations of Finite Groups and Orders Using Diagrammatic Methods. Further information can be obtained from A. Daigneault, Département de mathématiques et de statistique, Université de Montréal, C.P. 6128, Montréal, Qué., Canada H3C 3J7.

## LOGIC COLLOQUIUM '79

The meeting of the British Logic Colloquium and European Summer Meeting of the Association for Symbolic Logic will be held in Leeds on 5–14 August 1979. The following short series of lectures will be given. Ordinary recursion theory; R. I. Soare—Generalised Recursion Theory;

S. G. Simpson—Complexity Theory: R. Ladner and Proof Theory: G. Sundholm. Other lectures will be given by D. Normann and R. A. Shore. Further details can be obtained from F. R. Drake, Department of Pure Maths, The University, Leeds LS2 9JT.

## INTERNATIONAL CONFERENCE ON BANACH SPACES

An international conference on Banach spaces will be held at Kent State University, Ohio, U.S.A., on 6–16 August 1979. Invited speakers are expected to include P. Enflo, R. James, W. Johnson, J. Lindenstrauss, A. Pelczynski, H. Rosenthal, L. Schwartz, D. Burkholder, N. Varopoulos, J. K.

Krivine, B. Maurey, G. Pisier, J. Bourgain, R. G. Douglas, T. Gamelin, T. Figiel, S. Kwapień, C. Stegall, D. R. Lewis and W. J. Davis. Further information can be obtained from J. Diestel, Department of Mathematics, Kent State University, Kent, Ohio 44242, U.S.A.

## SYMBOLIC AND ALGEBRAIC MANIPULATION

A European Symposium on Symbolic and Algebraic Manipulation will be held at the Université d'Aix-Marseille on 26–28 June 1979. The programme committee consists of J. Calmet (Marseille), R. Loos (Karlsruhe), A. Miola (Rome), A. Norman (Cambridge), D. Y. Y. Yun (IBM), G. E.

Collins (Wisconsin), M. Griss (Utah), D. R. Stoutemeyer (Hawaii), B. M. Trager (Berkeley), V. Pless (Chicago Circle), and H. van Hulzen (Enschede). Further details can be obtained from H. van Hulzen, Technische Hogeschool Twente, Postbus 217, Enschede, The Netherlands.

## SIEGEN TOPOLOGY SYMPOSIUM

A symposium will be held on 14–19 June 1979 at the Gesamthochschule Siegen. There are expected to be about 100 participants covering all branches of topology.

Further details can be obtained from V. Koschorke, Mathematik V, Gesamthochschule Siegen, Hölderlinstrasse 3, 59 Siegen 21, Germany.

## ONTARIO NUMBER THEORY CONFERENCE

A conference on recent developments in Number Theory will be held at Queen's University, Kingston, Ontario on 2-20 July 1979. The principal speakers are J. Coates (Paris):  $p$ -adic  $L$ -functions, H. L. Montgomery (Ann Arbor): the Riemann Hypothesis, M. Waldschmidt: Transcen-

dental Numbers and E. Bombieri (Princeton): Sieve Methods. Each of the first three courses consists of 10 lectures and the last of five. Further details can be obtained from P. Ribenboim, Department of Mathematics, Queen's University, Kingston, Ontario K7L 3N6, Canada.

## COMPUTER METHODS IN P.D.E.

An International Symposium on recent developments in the computer solution of partial differential equations will be held on 20-22 July 1979 at Lehigh University, Bethlehem, Pennsylvania. The organisers include I. Babuska (Maryland), M. B. Carver (Atomic Energy, Canada), B.

Davidson (Rutgers), E. B. Dill (Rutgers), K. Janac (Bell Labs.), S. Orszag (MIT), J. Rice (Perdue), R. Sincovic (Boeing) and D. Young (Texas). Further details can be obtained from W. E. Schiesser, Computing Centre, Lehigh University, Bethlehem, Pennsylvania 18015, U.S.A.

## FUNCTIONAL-DIFFERENTIAL SYSTEMS

An International Conference on Functional Differential Systems and Related Topics will be held in Białeżewko, Poland, on 19-26 May 1979. The programme committee consists of A. Bielecki (Lublin), Z. Mikołajski-Mlak (Kraków), J.

Mikusioński (Katowice), A. Olbrot (Warsaw) and D. Przeworska-Rolewicz (Warsaw). Further details can be obtained from A. Olbrot, Institute of Automatics, Politechnika Warszawska ul. Nowowiejska 15/19, 00-665 Warszawa, Poland.

## OXFORD UNIVERSITY: TEMPORARY LECTURER

The university proposes to make a two-year appointment in Theoretical Econometrics or Operations Research from 1 October 1979. Stipend according to age on scale £3,883-£8,257 (under review). Details

are obtainable from Mrs. M. Oxford, Social Studies Faculty Centre, George Street, Oxford OX1 2RL, who will receive applications (eight copies, but one from persons abroad) not later than 31 March.

## UNIVERSITY OF GLASGOW

Applications are invited for a LECTURESHIP IN THE DEPARTMENT OF MATHEMATICS, duties to commence on 1st October, 1979. Salary will be within the range £3,975-£5,830 of the Lecturers' scale £3,975-£8,250, according to qualifications and experience (which may be in any branch of Pure or Applied Mathematics).

Further particulars may be obtained from the Secretary of the University Court, (Room 18), University of Glasgow, Glasgow, G12 8QQ, with whom applications (eight copies), giving the names and addresses of three referees, should be lodged on or before 31st March, 1979.

In reply please quote Ref. No. 4362.