FORTHCOMING SOCIETY MEETINGS

Friday-Saturday 21-22 February 1997 - Oxford University
Group Theory

Friday-Saturday 23-24 May 1997 - Liverpool University
Applications of Singularity Theory

Friday 20 June 1997 - Linnean Society, London
J.P. May (Hardy Lecture), D. Quillen

Friday-Saturday 17-18 October 1997 - Scientific Societies Lecture Theatre, London
Numerical Analysis

PERIPATETIC SEMINAR

A meeting of the Peripatetic Seminar on Sheaves and Logic will be held in Bangor on the weekend of 1-2 March. This will be number 63. As usual talks on category theory, sheaves, logic and related areas are welcomed. A more detailed first announcement including a registration form and information about accommodation and how to get there will be sent out in January. Further information is available from: Professor R. Brown, School of Mathematics, University of Wales, Bangor, Dean Street, Bangor, Gwynedd LL57 1UT; e-mail: r.brown@bangor.ac.uk; tel direct: 01248 382474; fax: 01248 355881.

N. TENNEY PECK

Professor N. Tenney Peck who was elected a member of the London Mathematical Society on 17 October 1968, died on 5 July 1996.

DOCTEUR HONORIS CAUSA

Professor James Eells has been awarded the degree Docteur honoris Causa by the Faculté des Sciences de Université Libre de Bruxelles.

SECANTS

The fifth meeting of the South of England Computational and Algebra Number Theory Seminars (SECANTS), will be held at Royal Holloway College, Room 219, The McCrea Building on 22 March 1997. The speakers are: S. Blackburn (RHBN) “Number Theory and Cellular Automata”; G. Everest (UEA) “Spatial Distribution of Solutions of Diophantine Equations”; J. Bygott (Exeter) “Computing Cusp Forms over Imaginary Quadratic Fields”; J. Buchman (Darmstadt), TBA. The meeting is funded by the London Mathematical Society. Any changes to the programme/speakers will be announced on the web site for SECANTS: (http://www.ukc.ac.uk/IMS/maths/secants/).

MATHEMATICIAN AND POET

A lecture entitled “James Joseph Sylvester – Mathematician and Poet” will be given by Professor P. Cohn of UCL Mathematics Department. It will take place on 20 March at 1.15 pm in the Darwin Lecture Theatre, University College, London.
VISIT OF DR R. GRÜBEL

Dr Rudolf Grübel is visiting Bath (and Cambridge and Sussex) with the generous support of the London Mathematical Society. He is to give a seminar on 14 February on the subject of “A probabilistic interpretation of Hoare’s selection/sorting algorithm”. The seminar will take place at 2.15 pm in Room 6E2.2 at the main University of Bath campus. For further information contact David Hobson, School of Mathematical Sciences, University of Bath (dgh@maths.bath.ac.uk).

VISIT OF PROFESSOR H. HEDENMALM

Professor Haakan Hedenmalm of the University of Lund will be visiting the UK at the beginning of March 1997. His visit will be supported by a Scheme 2 London Mathematical Society grant. He will lecture at the NBFAS meeting in Leeds on Monday 3 March and at University College, London on Wednesday 5 March. Professor Hedenmalm is an expert in Complex Analysis and Banach Algebras. For further details contact Dr G. Blower, University of Lancaster (e-mail: G.Blower@lancaster.ac.uk).

VISIT OF PROFESSOR K. GYÖRY

Professor K. Györy (Debrecen) will be visiting the UK during March 1977. The visit will be supported by a Scheme 2 grant from the London Mathematical Society. He will speak at University of East Anglia on Monday 3 March, at Glasgow on Thursday 6 March and at Cambridge on Tuesday 11 March. Professor Györy will speak about the distribution of solutions of the decomposable form equation with applications to the study of units in abelian group rings. For further details contact Dr G.R. Everest, UEA (e-mail: g.everest@uea.ac.uk).

VISIT OF PROFESSOR F. QUINN

Professor Frank Quinn from VPI-SU, Blacksburg, Virginia will be visiting the United Kingdom from 28 February to 8 March with the support of a Scheme 2 grant from the London Mathematical Society. He will be speaking at Edinburgh, Oxford, Cambridge and Warwick. For further information please contact Dr John Roe, Jesus College, Oxford (jroe@jesus.ox.ac.uk).

EUROPEAN STUDY GROUP WITH INDUSTRY

The 30th European Study Group with Industry (ESGI97) will take place at the University of Bath from 7-11 April 1997. This meeting will, as usual, bring academics and industrialists together to look at problems of mutual interest. The meeting starts with problem presentations by the industrialists. These are followed by intensive workshop discussions followed by presentations by the academics on the last day of the progress made on the problems. It affords a stimulating introduction to mathematical modelling applied to real life industrial problems. A training course of lectures on mathematical techniques applicable to industrial problems will be held during the meeting. Anyone interested should contact: Professor Chris Budd, School of Mathematics, University of Bath, Bath BA2 7AY; tel: 01225 826241; e-mail: ESGI97@maths.bath.ac.uk or at http://www.maths.bath.ac.uk/ESGI97.

CHALLENGE

On the occasion of the 35th anniversary of his membership in the London Mathematical Society, A.A. Mullin proposes the following challenge: Prove that $F_8$, $F_9$, $F_{10}$, $F_{11}$ are the only four consecutive Fermat numbers with a consecutive number of prime factors. Results should be sent to him at: 506 Seaborn Drive, Huntsville, AL 358-6, USA.
**LONDON MATHEMATICAL SOCIETY**

**TWO-DAY MEETING**

**FRIDAY 21ST & SATURDAY 22ND FEBRUARY 1997**

**MATHEMATICAL INSTITUTE, OXFORD**

**Group Theory**

**Friday**

- **2.20** Opening Session
- **2.30** M. Vaughan-Lee (Oxford) *Bounds in the Restricted Burnside Problem*
- **3.30** Tea/Coffee
- **4.00** M. Broué (Paris) *On Finite Complex Reflection Groups*
- **5.15** M. Dunwoody (Southampton) *Geometric Splittings of Groups*

**Saturday**

- **9.15** A. Joseph (Paris and Weizmann Institute) *Harish-Chandra Homomorphisms*
- **10.15** Tea/Coffee
- **10.45** G. Higman, FRS (Oxford) *Buttons*
- **12.00** E. Zelmanov (Yale) *Variations on the Theme of Burnside*

---

**All interested are very welcome**

A dinner will be held at St Cross College, Oxford on the evening of Friday 21 February at 7.00 p.m. for 7.30 p.m. The cost of the dinner will be £14.50 per person, inclusive of wine. Those wishing to attend should inform Miss Susan Oakes, London Mathematical Society, Burlington House, Piccadilly, London W1V 0NL, enclosing a cheque payable to “The London Mathematical Society” to arrive no later than Friday 7 February.

Enquiries may be addressed to Dr Peter Neumann, The Queen’s College, Oxford OX1 4AW (e-mail: peter.neumann@queens.ox.ac.uk).
HYPERBOLIC PROBLEMS
THEORY, NUMERICS,
APPLICATIONS

The seventh international conference on
Hyperbolic Problems Theory, Numerics,
Applications will be held from 9 - 13
February 1998 at ETH Zürich. The aim
of the conference is to bring together
scientists with interests in the theoreti-
cal, applied and computational aspects of
hyperbolic partial differential equations.
There will be an emphasis on nonlinear
problems and applications in different
fields. As in the past, a special effort will
be made to make it possible for young
scientists to attend in order to promote
their interaction with senior researchers.

The programme of the conference will
include plenary 45 minute lectures,
invited 30 minute presentations and 20
minute communications. An abstract can
be submitted consisting of at least 1000
but not more than 2000 words. Instructions are available from the
corference web page
(http://www.sam.math.ethz.ch/hyp98/
abstract.html). Refereed proceedings will
be published. For further information
contact the organizer: Rolf Jeltsch, tel:
+41 1 632 34 52; e-mail: jeltsch@sam.
math.ethz.ch.

ADVANCED SCHOOL ON
MATHEMATICAL MODELS OF
SYSTEMS INVOLVING PHASE
CHANGES

The Advanced School aims to give young
researchers an overview of both current
mathematical modelling of solid-liquid
continua and related experimental results.
The course, to be held from 2 - 20
June 1997 at the International Centre
for Mathematical Sciences, Edinburgh,
will provide a coherent focus for the
dynamical and thermodynamical prin-
ciples underlying the diverse phenomena
of mixed phase systems. The School is
intended for mathematicians, metallur-
gists, geophysicists and researchers in
related areas at the post-doctoral level
who work with dynamical mixed phase
systems. Participants will be expected to
take part in the whole three week
programme. The number taking the
Advanced School will be restricted to
about twelve. The Advanced School is one
element in a three week programme that
will include an International Workshop,
dealing with macroscopic manifestations
of solid-liquid mixed phase systems, and a
conference on the “Dynamics of Mixed
Phase Regions”.

To apply for the Advanced School
please complete the application
form on the ICMS Web site
http://www.ma.hw.ac.uk/icms and send
it to the organizer by 28 February 1997.
The Scientific Committee will select
participants based on the applications.
The School and Workshop are free of
charge but there will be a small conference
fee. A limited number of participants
from Universities and Academies who are
not supported by their institutions may
be offered travel and subsistence support.

The Scientific Committee consists of:
M.E. Glicksman (RPI, New York),
R.N. Hills (Heriot-Watt, Edinburgh),
H.E. Huppert (Cambridge, UK), C.
Jaupart (IPG, Paris), D.E. Loper (Florida
State). For further information contact
the organizer: R.N. Hills, Department
of Mathematics, Heriot-Watt Univer-
sity, Riccarton, Edinburgh EH14 4AS
(r.n.hills@bonaly.hw.ac.uk).

VISIT OF PROFESSOR
L. SHAIKHET

Professor Leonid Shaikhet (Donetsk,
Ukraine) has been awarded a London
Mathematical Society grant (fSU Scheme)
to visit the United Kingdom. He will be
based at University College Chester from
10 February to 10 March 1997. His
interests are in functional differential
equations and particularly in stochastic
equations. For further information
contact Dr Neville Ford, Department of
Mathematics, University College Chester,
Cheney Road, Chester CH1 4BJ
(njford@chester.ac.uk).
LONDON MATHEMATICAL SOCIETY

TWO-DAY MEETING
Friday-Saturday 23-24 May 1997
University of Liverpool

APPLICATIONS OF SINGULARITY THEORY

V.V. Goryunov (University of Liverpool)
D.T. Lê (Université de Provence, Marseille)
D.M.Q. Mond (University of Warwick)
A. Parusinski (University of Angers)
B. Teissier (Ecole Normale Supérieure, Paris)
A.N. Varchenko (University of North Carolina, Chapel Hill)

UNIVERSITY OF SOUTHAMPTON
CHAIR IN PURE MATHEMATICS

Applications are invited for a Chair in Pure Mathematics. The vacancy arises through the impending retirement of Professor S A Robertson in September 1997. It is hoped that the successful candidate for the Chair will take up the post on 1 September 1997 or as soon as possible thereafter. The appointee will have research interests in an area which will support and enhance existing areas of research strength in the Faculty.

Informal enquiries may be directed to Professor M.J. Dunwoody, telephone (01703) 593659, e-mail mjd@maths.soton.ac.uk, http://www.maths.soton.ac.uk/pure/chair.html

Further particulars may be obtained from the Director of Personnel Services, University of Southampton, Southampton SO17 1BJ, telephone (01703) 593353, to whom applications (10 copies of a full curriculum vitae from UK applicants, one from overseas) should be sent together with the names and address of three referees, by 7 March 1997. Please quote reference number P/230.

Working for Equal Opportunities
EUROCONFERENCES IN MATHEMATICS ON CRETE

The Department of Mathematics of the University of Crete announces the 1997 conferences of the series Euroconferences in Mathematics on Crete, sponsored by the Training and Mobility of Researchers Programme of the Commission of the European Union.


The conferences will take place at the Anogia Academic Village, a conference centre located at the traditional Cretan village of Anogia. The living expenses (accommodation plus meals) per day for a person are estimated at about 33 ECU in a double room or 43 ECU in a single room. The registration fee amounts to 250 ECU. The Training and Mobility of Researchers Programme financially supports young researchers from the countries of the European Economic Area to enable them to attend the conferences. There will be also some limited funds from other sources available to support participants not belonging to the above group. Support can cover (all or certain) travel, living and registration expenses. For information please contact the local co-ordinator of the conference series indicated below.

The conference series will continue in 1998 with the following three conferences: “Groups of finite Morley rank” (A.V. Borovik, UMIST, UK); “Galois representations in arithmetic geometry” (M.J. Taylor, UMIST, UK); “Front propagation: theory and applications” (P.L. Lions, Paris-Dauphine, France).

The topics of the conferences, which will follow in the next years, will be decided by the international scientific committee consisting of: H. Abels (Bielefeld, Germany), H. Bauer (Erlangen, Germany), C. Dafermos (Brown University, USA), O. Kegel (Freiburg, Germany), S. Papadopoulou (Crete, Greece) V. ThomEE (Goteborg, Sweden), A. Wilkie (Oxford, UK). The next meeting of the committee will be in Autumn 1997. Suggestions for topics for future conferences should be sent to the local co-ordinator of the series.

For additional information contact the local co-ordinator: Susanna Papadopoulou, Department of Mathematics, University of Crete, Heraklion, Crete, Greece; e-mail: souzana@math.uch.gr; fax: 81-234516.

SPECIAL STAMP FOR ICM98

About two years ago the ICM98 Organizing Committee contacted the German Ministry of Postal Affairs and Telecommunication to issue a special stamp on the occasion of the International Congress of Mathematicians in Berlin in August 1998. A few days ago a positive reply was received. The “selection committee for special stamps” proposed ICM98 as one of the themes for a special stamp. The Minister of Postal Affairs agreed. The Ministry will ask several artists for design proposals. The artists are supposed to contact the ICM98 organizing committee (URL: http://elib.zib.de/ICM98) for ideas. Another committee will make the selection.

Stamp collectors will have the opportunity to buy first-day covers during the opening day 18 August 1998 of ICM98 in Berlin. This occasion may be another good reason to attend the International Congress in Berlin.

Martin Groetschel
President
ICM98 Organizing Committee
New Classics for the New Year

**CLASSICS IN MATHEMATICS**

**M. Aigner**

*Combinatorial Theory*

X, 464 pages.
Softcover £25
ISBN 3-540-6787-6

From the reviews:
"This book presents a very good introduction to combinatorics. It covers most aspects of enumeration and order theory ... This book can warmly be recommended first of all to students interested in combinatorics. A two semester course can also be based on it." *Publicationes Mathematicae Debrecen*

Due January 1997

**J.W.S. Cassels**

*An Introduction to the Geometry of Numbers*

X, 144 pages.
Softcover £25
ISBN 3-540-61788-4

From the reviews:
"The work is carefully written. It is well motivated, and interesting to read, even if it is not always easy ... the author has written an excellent account of an interesting subject." *Mathematical Gazette*

Due January 1997

**P. Dombowski**

*Finite Geometries*

XIV, 378 pages.
Softcover £25
ISBN 3-540-6786-8

From the reviews:
"The author deserves unstinting praise for the skill, energy, and perseverance which he devoted to his work. The finished product confirms what his many earlier contributions to the subject of finite geometry have already indicated, namely, that he is an undisputed leader in his field." *Mathematical Reviews*

Due January 1997

**Already available:**

**A. Dold**

*Lectures on Algebraic Topology*

Softcover £25
ISBN 3-540-58660-1

**H. Federer**

*Geometric Measure Theory*

1996. XIV, 676 pages.
Softcover £25
ISBN 3-540-60666-4

**F. Hirzebruch**

*Topological Methods in Algebraic Geometry*

Softcover £25
ISBN 3-540-58665-7

**T. Kato**

*Perturbation Theory for Linear Operators*

Softcover £25
ISBN 3-540-58661-6

**K. Kobayashi**

*Transformation Groups in Differential Geometry*

Softcover £25
ISBN 3-540-58659-8

**S. MacLane**

*Homology*

1995. X, 412 pages. 7 figures.
Softcover £25
ISBN 3-540-58652-8

**J. Lindenstrauss, L. Tzafriri**

*Classical Banach Spaces I and II*

1996. XX, 431 pages.
Softcover £25
ISBN 3-540-60668-9

**D. Mumford**

*Algebraic Geometry I Complex Projective Varieties*

Softcover £25
ISBN 3-540-58653-3

**K. Yosida**

*Functional Analysis*

1995. XII, 505 pages.
Softcover £25
ISBN 3-540-58654-7

**A. Weil**

*Basic Number Theory*

Softcover £25
ISBN 3-540-58655-5

**O. Zariski**

*Algebraic Surfaces*

Softcover £25
ISBN 3-540-58658-X

Please order through Springer-Verlag London Ltd.
Sweetapple House
Catteshall Road
Godalming • Surrey GU7 3DQ

Prices subject to change without notice.
In EU countries the local VAT is effective.
This is the first Euroconference in a series of four organized by the network ‘Invariants and Representations of Algebras’ (Antwerp, Bielefeld, Edinburgh, Essen, Ioannina, Leeds, Murcia, Paris VI, Torun, Trondheim) and co-ordinated by C.M. Ringel (Bielefeld). The series is sponsored by the TMR programme of the European Union. Additional support for the first conference is provided by the IEM (Essen) and the SFB 343 (Bielefeld). The aim of the conference is to bring together established scientists and young researchers (ie, aged under 35). This conference is being held from 1 - 5 April 1997 at the Institute for Experimental Mathematics, Essen. It is intended to provide a concise introduction to the use of computational methods in parts of group theory, representation theory and invariant theory. Young researchers from the EU and associated countries are especially invited to participate. They can apply for full support both for the travel and for their local expenses at Essen.


Applications for support should include the following information: last name, first name, age, nationality, university/company, address, phone number, fax number (if possible), university degrees, brief curriculum vitae since graduation, current or projected research activities, comments on benefit of participation from supervisor or department head (optional). Applications may be sent to one of the organizers by e-mail or letter, if possible before 14 February 1997 to: G. Michler, Institut für Experimentelle Mathematik, Ellernstrasse 29, 45326 Essen, Germany (gradkol@expmath.uni-essen.de) or P. Dräxler Fakultät für Mathematik, Universitaet Bielefeld, PO Box 100131, 33501 Bielefeld, Germany (draexler@mathematik.uni-bielefeld.de). Consult: http://www.mathematik.uni-bielefeld.de/sek/E-C-net.html for up-to-date information about the network and the conferences.
A NATO Advanced Study Institute with additional support from the European Union
MODULAR REPRESENTATION THEORY AND SUBGROUP STRUCTURE OF ALGEBRAIC GROUPS AND RELATED FINITE GROUPS
23 June - 4 July 1997

Aims: To survey the current understanding of the irreducible representations of reductive algebraic groups in the algebraically closed field over which the group is defined. Particular attention will be paid to Lusztig’s conjectured character formula for such representations. Applications to the representation theory of related finite groups will also be considered, as will applications to the subgroup structure of algebraic groups.

Participants: The ASI is aimed at research mathematicians at postdoctoral level and beyond, but will also be accessible to good research students.


There will also be a limited number of contributed lectures.

Location and Costs: The ASI will take place at the Newton Institute and accommodation for participants will be provided at Wolfson Court, adjacent to the Institute. The conference package costs £560, which includes accommodation, breakfast and evening meals from Sunday 22 June until Saturday 5 July, plus lunch and refreshments during the days that lectures take place. Financial support for selected applicants from (a) NATO countries and Cooperation Partner countries, (b) European Union and associated countries aged under 35 (men) or under 40 (women) is available. Self-supporting applicants of any age or nationality are welcome.

Further information and application forms are available from WWW at http://www.newton.cam.ac.uk where general information about the Newton Institute can be found, or from Michael Sekulla at the Newton Institute, 20 Clarkson Road, Cambridge CB3 0EH, e-mail: m.sekulla@newton.cam.ac.uk.

Closing date for the receipt of applications is 1 March 1997
| **Elementary and analytic theory of numbers** | Professor R.C. Baker, Dept. of Mathematics, Brigham Young University, Provo, UT 84602-6539, USA |
| **Probability** | Professor N.H. Bingham, Dept. of Statistics, Birkbeck College, Malet Street, London WC1E 7HX |
| **Dynamical systems and complex dynamics** | Dr S.R. Bullett, School of Mathematical Sciences, Queen Mary & Westfield College, Mile End Road, London E1 4NS |
| **Algebraic number theory** | Dr D. Burns, Dept. of Mathematics, King’s College, Strand, London WC2R 2LS |
| **Real harmonic analysis** | Professor A.P. Carbery, Dept. of Mathematics, University of Edinburgh, Mayfield Road, Edinburgh EH9 3JZ |
| **Representation theory and algebra** | Dr W. Crawley-Boevey, School of Mathematics, University of Leeds, Leeds LS2 9JT |
| **Probability** | Dr R.A. Doney, Dept. of Mathematics, University of Manchester, Manchester M13 9PL |
| **Algebra** | Professor S. Donkin, School of Mathematical Sciences, Queen Mary & Westfield College, Mile End Road, London E1 4NS |
| **Differential equations and related areas of analysis** | Professor D.E. Edmunds, Mathematics Division, University of Sussex, Falmer, Brighton BN1 9QH |
| **Geometry and measure theory** | Professor K.J. Falconer, Dept. of Mathematical and Computational Sciences, North Haugh, St Andrews, Fife KY16 9SS |
| **Singularity theory** | Dr C.G. Gibson, Dept. of Mathematical Sciences, University of Liverpool, Liverpool L69 3BX |
| **Topology** | Professor J.P.C. Greenlees, School of Mathematics and Statistics, Hicks Building, University of Sheffield, Sheffield S3 7RH |
| **Elementary and analytic number theory** | Dr D.R. Heath-Brown, FRS, Magdalen College, Oxford OX1 4AU |
| **Graph theory and combinatorics** | Professor A.J.W. Hilton, Dept. of Mathematics, University of Reading, Whiteknights, PO Box 220, Reading RG6 2AX |
| **Functions of one complex variable** | Dr J.K. Langley, Dept. of Mathematics, University of Nottingham, Nottingham NG7 2RD |
| **Group theory and combinatorics** | Professor M.W. Liebeck, Dept. of Mathematics, Imperial College, 180 Queen’s Gate, London SW7 2BZ |
| **Nonlinear analysis and differential equations** | Professor N.G. Lloyd, Dept. of Mathematics, University College of Wales, Penglais, Aberystwyth, Dyfed SY23 3BZ |
Combinatorics and theoretical computer science

Professor C.J. Mitchell, Dept. of Computer Science, Royal Holloway, Egham Hill, Egham, Surrey TW20 0EX

Low-dimensional topology

Dr H.R. Morton, Dept. of Mathematical Sciences, University of Liverpool, Liverpool L69 3BX

Algebraic geometry

Dr P.E. Newstead, Dept. of Mathematical Sciences, University of Liverpool, Liverpool L69 3BX

Functional analysis

Dr J.R. Partington, School of Mathematics, University of Leeds, Leeds LS2 9JT

Functional analysis

Professor R.J. Plymen, Dept. of Mathematics, University of Manchester, Manchester M13 9PL

Functional analysis

Professor S.C. Power, Dept. of Mathematics and Statistics, Lancaster University, Lancaster LA1 4YF

Mathematical logic

Dr M.Y. Prest, Dept. of Mathematics, University of Manchester, Manchester M13 9PL

Algebra

Professor S.J. Pride, Dept. of Mathematics, University of Glasgow, University Gardens, Glasgow G12 8QW

Group theory and representation theory

Professor G.R. Robinson, Dept. of Mathematics, University of Leicester, Leicester LE1 7RH

Differential geometry and global analysis

Dr S.M. Salamon, Mathematical Institute, 24-29 St Giles, Oxford OX1 3LB

Noncommutative algebra

Professor J.T. Stafford, Dept. of Mathematics, University of Michigan, Ann Arbor, MI 48109-1003, USA

Mathematical physics

Dr N.M.J. Woodhouse, Wadham College, Oxford OX1 3PN

To mark the centenary of the death of James Joseph Sylvester, formerly Savilian Professor of Geometry and Fellow of New College, there will be a programme of lectures between 10 am and 1 pm on Saturday 15 March. They will be held in the MacGregor-Mathews Room of New College, formerly the Wyatt Library, which would have been well-known to Sylvester. Those who wish to attend should reserve places in advance (see below); entrance to the college is from Holywell Street. The audience is expected to be a mixture of mathematicians and nonmathematicians. The lectures will be addressed more to the latter, since the programme at a separate commemoration in London the previous day will be addressed more to the former. Provisionally the programme will be Ioan James (University of Oxford) “James Joseph Sylvester”; Hugh Stewart (Institute of Actuaries) “Sylvester the Actuary”; Adrian Rice (Middlesex University) “Sylvester’s social circle”; John Fauvel (Open University) “Sylvester at Oxford”; Karen Parshall (University of Virginia) “Mathematicians in the broader culture: The case of J.J. Sylvester”. The capacity of the room is strictly limited. To reserve a place, those who wish to attend should send their names and addresses, before the end of February, to myself, at the Mathematical Institute, 24-29 St Giles, Oxford OX1 3LB; please do not phone or use e-mail.

Ioan James
LONDON MATHEMATICAL SOCIETY
COUNCIL, COMMITTEES AND REPRESENTATIVES, 1997

PRESIDENT: J.M. Ball.
TREASURER: A.O. Morris.
COUNCIL AND GENERAL SECRETARY: J.S. Pym.
MEETINGS AND MEMBERSHIP SECRETARY: D.J.H. Garling.
PUBLICATIONS SECRETARY: E.C. Lance.
LIBRARIAN: J.A. Erdos.

Unless otherwise stated, periods of service end on 31st December of the year indicated.

GENERAL PURPOSES COMMITTEE: President (Chairman), Council and General Secretary (Secretary), Treasurer, Meetings and Membership Secretary, Publications Secretary.

FINANCE COMMITTEE: Treasurer (Convenor), President, Publications Secretary, D.J.H. Garling, W.A. Hodges, F.C. Kirwan.

PROGRAMME COMMITTEE: President (Chairman), Meetings and Membership Secretary (Secretary), A.G. Chetwynd, F.C. Kirwan, E.G. Rees, A.J. Scholl, J.F. Toland.


PUBLICATIONS COMMITTEE: Publications Secretary (Convenor), Deputy Publications Secretary (D.A. Brannan), Joint Editors of Bulletin, Journal and Proceedings, LMS-nominated Editor of Nonlinearity, Book Reviews Editor (P.G. Dixon), H.G. Dales (Books), W.A. Hodges, J.F. Toland (Council).

DURHAM SYMPOSIA COMMITTEE: N.J. Young (Chairman) (92-98), A.J. Scholl (Secretary ex-officio, and representing Council), S.J. Hogan (97-01), M.W. Liebeck (95-99), P.J. McCarthy (94-98), J. Roe (97-01), B.D. Sleeman (94-98), M.J. Taylor (95-99).


COMPUTER SCIENCE COMMITTEE: U. Martin (91-99) (Chair), Convenor of the Team On Electronics, A.G. Chetwynd (97-01), J.H.C. Gunawardena (96-00), C.J. Mitchell (94-98), W.P.R. Mitchell (95-99), A.M. Pitts (94-98), I.A. Stewart (95-99), C. Stirling (97-01).
MATHEMATICS FUNDING COMMITTEE: E.G. Rees (94-97) (Chairman 18.11.94 - 20.11.98), R.A. Bailey (96-98), J.W. Bruce (95-97), H.G. Dales (90-97), A. Norcliffe (97-99), G. James (97-99).

TEAM ON ELECTRONICS: W.A. Hodges (Convenor), Meetings and Membership Secretary, Publications Secretary, J.H. Davenport, C.A. Rowley, C.T.C. Wall.

BOARD OF LMS PUBLISHING LIMITED: President (Chairman), Publications Secretary, Treasurer, D.J.H. Garling.

LIBRARY COMMITTEE: Librarian, J.J. Gray (94-97).


JOINT MATHEMATICAL COUNCIL: P.T. Saunders (96-01).

ROYAL SOCIETY MATHEMATICS INSTRUCTION SUBCOMMITTEE: A.D. Gardiner (95-99).

ISAAC NEWTON INSTITUTE MANAGEMENT COMMITTEE: D.A. Brannan (95-98).

ISAAC NEWTON INSTITUTE SCIENTIFIC COMMITTEE: J.F. Toland (96-99), C.T.C. Wall (91-97).

EDINBURGH INTERNATIONAL CENTRE FOR MATH. SCIENCES STEERING COMMITTEE: J.M. Ball (15.11.96 - 20.11.98)


BRITISH ASS. FOR THE ADVANCEMENT OF SCIENCE, MATH. COMMITTEE: P.M.-K. Shiu (96-00).

COMMITTEE OF HEADS OF DEPARTMENTS OF MATH.SCIENCES: K.A. Brown.

UNDERGRADUATE MATHEMATICS TEACHING COMMITTEE: D.S.G. Stirling (94-98).

NATIONAL COMMITTEE FOR MATHEMATICAL CONTESTS: A.D. Gardiner (91-00).

BRITISH MATHEMATICAL OLYMPIAD COMMITTEE: P.M.-K. Shiu, A. West (94-98).

SCIENCE, TECHNOLOGY, ENGINEERING, MEDICINE PUBLIC RELATIONS ASSOCIATION: P.T. Saunders.

ICIAM 99 NATIONAL ORGANISING COMMITTEE: B.D. Sleeman.

TRUSTEE, APPLIED PROBABILITY TRUST: Sir John Kingman (93-97).

COLLINGWOOD PRIZE COMMITTEE: A.J. Scholl.
A series of 10 lectures on representation theory will be given by Professor J.L. Alperin during the week 14 - 18 April 1997 in the School of Mathematics and Statistics, University of Birmingham.

The series will take as its starting point and main motivation the character table and all its mysteries. It will show how this leads to the main topics in representation theory, such as modular representations, groups of Lie type and even the latest notions like derived categories. Many interesting and important open problems will be mentioned, to give an indication of all the worlds that remain to be conquered. The lectures will be addressed to a wide audience of experts and non-experts, and they should be accessible to research students in nearby fields. Some preliminary reading, from any book on representation theory, would be helpful.

**Tentative Programme**

- Open problems. The main problem of character theory arising from Brauer’s work. The weight, McKay and Dade conjectures. The Knorr-Robinson reformulations using the \( p \)-subgroup complexes.
- Homological methods. Projective modules, projective resolutions, relatively projective modules and induced modules.
- Cyclic theory. Groups with a cyclic Sylow \( p \)-subgroup, Brauer trees, blocks.
- Equivalences. Morita equivalences, stable equivalences, derived equivalences, conjectures of Broué and work of Rickard.

**Accommodation** Some accommodation, costing £23.55 per night for a single room and English breakfast, has been reserved in University House from 13 to 18 April 1997. Modest financial assistance will be available for research students who apply early for accommodation. If you wish to use this accommodation, please contact the organizers as soon as possible; unrequired rooms may have to be released in the middle of January. There are (more expensive) bed and breakfast hotels close to the University where one might be able to find accommodation even on the day of arrival.

**Registration** Participants are asked to register (by e-mail or letter). There is no registration fee. Early registration (preferably before the end of January) would be greatly appreciated by the organizers, but later registration is also possible.

**Contact address** For further details, registration, and arrangement of accommodation, please contact Mrs S. Bennett at the School of Mathematics and Statistics, University of Birmingham, Edgbaston, Birmingham B15 2TT (e-mail: s.d.bennett@bham.ac.uk, tel: 0121-414-6593).
H. LEBESGUE
Honorary Member 1924
DIARY

The diary lists Society meetings and other events publicized in previous issues of the Newsletter. For further information, refer to the figure in brackets, which is a cross reference to the LMS Newsletter number.

FEBRUARY 1997
14 Edinburgh Mathematical Society Meeting, Edinburgh (241)
21-22 Group Theory, Two-day London Mathematical Society Meeting, Oxford

MARCH 1997
3 North British Functional Analysis Seminar, University of Leeds (245)
14 Edinburgh Mathematical Society Meeting, Stirling (241)
14 Sylvester Centenary Meeting, University College, London (244)
15 Sylvester Centenary Meeting, New College, Oxford (244)
18-21 Nonlinear Dynamics and Spectra of Molecules Workshop, Warwick University (245)

APRIL 1997
1-11 Stochastic Partial Differential Equations Instructional Meeting, ICMS, Edinburgh (244)
2-4 British Topology Meeting, Mathematical Institute, Oxford (244)
4 39th British Theoretical Mechanics Colloquium, Edinburgh (244)
7-11 Models and Algorithms for Planning and Scheduling Problems Workshop, Queen's College, Cambridge (242)
7-12 Modular Representation Theory in the Non-Defining Characteristic Workshop, Isaac Newton Institute, Cambridge (245)
8-11 Fractals in the Natural and Applied Sciences, Denver, Colorado, USA (233)
11-14 Low-Dimensional Topology Conference, Sussex University (242)
14-17 British Mathematical Colloquium, Royal Holloway, Surrey (242)
14-18 LMS Invited Lectures, Birmingham University, Professor J.L. Alperin (238)
17 Special Meeting Marking the Retirement of Bill Morton, Computing Laboratory, Oxford (244)
17-19 Postgraduate Combinatorics Conference, Royal Holloway College, Surrey (245)

MAY 1997
2 Edinburgh Mathematical Society Meeting, Aberdeen (241)
23-24 Two-day London Mathematical Society Meeting, Liverpool
23-24 Groups in Galway Meeting, Galway (245)

JUNE 1997
6 Edinburgh Mathematical Society Meeting, St Andrews (241)
20 London Mathematical Society Meeting, Linnean Society, London
23- 4 July Confinement, Duality and Non-Perturbative Aspects of QCD Workshop, Isaac Newton Institute, Cambridge (245)
26-28 Joint International Meeting in South Africa, University of Pretoria, South Africa (244)
30-1 July Boundary Integral Methods Conference, Leeds University (242)

JULY 1997
6-13 Logic Colloquium, Leeds University (244)
7-11 Harmonic Morphisms, Harmonic Maps and Related Topics, Université de Bretagne Occidentale, Brest, France (244)
7-11 British Combinatorial Conference, Queen Mary & Westfield College (230) (245)
14-24 Pro-p Groups and Related Topics, LMS Durham Symposium
26 - 9 Aug Groups St Andrews 1997, Bath University (244)
28 - 8 Aug Representation Theories and Algebraic Geometry Seminar, Université de Montréal, Canada (245)

AUGUST 1997
24-29 15th IMACS World Congress 1997 on Scientific Computation, Modelling and Applied Mathematics, Berlin, Germany (243)

SEPTEMBER 1997
8-12 Stochastic Modelling of Physical Systems Workshop, Cambridge University (244)

OCTOBER 1997

NOVEMBER 1997
21 London Mathematical Society, Annual General Meeting, London

The Newsletter is published monthly except in August. Items and advertisements for inclusion in the Newsletter should be sent to the Editor, Susan Oakes, by e-mail, fax or post to the LMS office (addresses below), to arrive before the first day of the month prior to publication.

The London Mathematical Society, Burlington House, Piccadilly, London W1V 0NL
Tel: 0171-437 5377, fax: 0171-439 4629, e-mail: lms@lms.ac.uk.
World Wide Web: http://www.qmw.ac.uk/~lms/lms.html

The London Mathematical Society is registered with the Charity Commissioners.

Printed by Armstrong Press Ltd, Southampton (01703) 333132