

# THE LONDON MATHEMATICAL SOCIETY NEWSLETTER

No. 224

February 1995

## FORTHCOMING SOCIETY MEETINGS

Friday-Saturday, 17-18 February 1995, Warwick University

Computers in Mathematics

H. Cohen, J.E. Cremona, D. Gabai, D.F. Holt,

C. R. Leedham-Green, J.W. Milnor, N. Thurston,

Friday-Saturday, 12-13 May 1995, Oxford University

A Hundred Years of Analysis

P.R. Halmos, J-P Kahane, J. Luetzen, S.J. Patterson,

R. Remmert, F. Smithies

Friday 16 June 1995, Burlington House

D.G. Vassiliev, K.R. Parthasarathy

Friday-Saturday, 20-21 October 1995, Scientific Societies Lecture Theatre

Stochastic Analysis

Friday 17 November 1995, Burlington House

## VISIT OF PROFESSOR LUCHEZAR L. AVRAMOV

Professor Luchezar L. Avramov of Purdue University will be visiting the UK in March. It is expected that he will give lectures at the University of Edinburgh on Monday 6 March, at the University of Glasgow on Tuesday 7 March and at the University of Sheffield on Wednesday 8 March. Professor Avramov's visit is partially supported by a Scheme 2 grant from the London Mathematical Society.

For further information, contact Dr L. O'Carroll, Department of Mathematics, The University, Mayfield Road, Edinburgh EH9 3JZ (e-mail: loc@uk.ac.ed) or Professor R.Y. Sharp, Pure Mathematics Section, School of Mathematics and Statistics, The University, Sheffield S3 7RH (e-mail: r.y.sharp@sheffield.ac.uk).

## VISIT OF DR JONATHAN HILLMAN

The London Mathematical Society has agreed to support a visit by Dr Jonathan Hillman (University of Sydney) who will be in Europe and Israel later this winter. The dates and titles of his lectures are: 17 February, Edinburgh, "Embedding 3-manifolds in 4-space", contact Dr A.

Ranicki; 21 February, Durham, to be announced, contact Dr C. Kearton; 24 February, DPMMS, Cambridge, "Embedding 3-manifolds in 4-space", contact Dr A. Reid. For further information as to times and rooms, anyone interested should ask the contact persons above.

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# LONDON MATHEMATICAL SOCIETY TWO-DAY MEETING

FRIDAY 17TH & SATURDAY 18TH FEBRUARY 1995

MATHEMATICS RESEARCH CENTRE  
UNIVERSITY OF WARWICK

## Computers in Mathematics

### FRIDAY

- 2.20 Opening Session
- 2.30 H. Cohen (Bordeaux) Computation in number fields
- 3.30 Tea
- 3.50 J.E. Cremona (Exeter) Computations with modular elliptic curves
- 5.00 J. W. Milnor (SUNY) Computation in holomorphic dynamics

### SATURDAY

- 8.45 Coffee
- 9.00 D. Gabai (CalTech) On the rigidity of hyperbolic 3-manifolds
- 10.00 N. Thurston (Berkeley) The search for all narrow 3-manifolds
- 10.50 Coffee
- 11.10 D.F. Holt (Warwick) Computing in group theory
- 12.10 C.R. Leedham-Green (QMW) Matrix groups over finite fields

**All lectures will be held in ELT 1 adjacent to the Mathematics Institute**

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Enquiries may be addressed to Elaine Shiels, Mathematics Research Centre,  
University of Warwick, Coventry CV4 7AL, fax: (01203) 523548, e-mail:  
es@maths.warwick.ac.uk

## SEVERAL COMPLEX VARIABLES An ICMS Instructional Conference

An instructional course on analytic and geometric aspects of the theory of Several Complex Variables will be held in Edinburgh from 19 March to 1 April 1995. There will be a number of short series of lectures given by leading experts in the field. The course will start with a series of introductory lectures on very basic material accessible to those with little knowledge beyond one complex variable; this will be given by Professor R. Narasimhan (Chicago) and will start on the afternoon of Sunday 19 March.

During the period 20 - 25 March, the following courses will also be given:

- Bergman kernel and automorphisms of domains, S. Krantz (St Louis)
- $L^2$  methods for the  $\bar{\partial}$ -operator, B. Berndtsson (Göteborg)
- Kähler geometry, Th. Petersen (Bayreuth)

During the final week, there will be some special lectures as well as the following courses:

- Hardy spaces on domains in  $\mathbb{C}^n$ , S. Krantz (St Louis)
- Hyperbolicity problems in function theory, Y-T. Siu (Harvard)
- CR structures, J-M. Trepeau (Paris)
- Holomorphic foliations, D. Cerveau (Rennes)

The organisers are: S. Krantz (St Louis), N. Sibony (Orsay), T. Bailey (Edinburgh) and E. Rees (Edinburgh). Citizens of the European Union are eligible to apply for funding to cover their living expenses (and in very exceptional cases full funding) from a EU-HCM grant which has been awarded to support the course. Anyone interested in attending can obtain further information or application forms from: Louise Williamson, ICMS, 14 India Street, Edinburgh EH3 6EZ; tel: 0131-220-1777; fax: 0131-220-1053; e-mail: [icms@maths.ed.ac.uk](mailto:icms@maths.ed.ac.uk).

## ERASMUS INTENSIVE PROGRAMME Edinburgh - 26th March to 3rd April 1995

There will be an ERASMUS Intensive Programme in Edinburgh, from 26th March to 3rd April 1995, partially supported by the London Mathematical Society. There will be five series of introductory lectures on various topics and some individual lectures.

The series of lectures are as follows: D. Eisenbud (Brandeis) "Grobner Basis Methods in Commutative Algebra"; L. Kauffman (Chicago) "Knot Theory, State Sums and Quantum Groups"; I. Reiten (Trondheim) "Finite Dimensional Al-

gebras"; J-P. Serre (Paris) "Trace Forms"; R.R. Smith (Texas A&M)/G. Písier (Paris) "Operator Spaces".

Some support is available for EPSRC postgraduates and younger academic staff. Further information may be obtained from [erasmus@maths.ed.ac.uk](mailto:erasmus@maths.ed.ac.uk) or T.H. Lenagan, Department of Mathematics and Statistics, University of Edinburgh, James Clerk Maxwell Building, King's Buildings, Mayfield Road, Edinburgh EH9 3JZ (e-mail preferred).

## SHIMSHON A. AMITSUR

Professor Shimshon A. Amitsur, who was elected an Honorary Member of the London Mathematical Society in 1989, died on 5 September 1994.



# LONDON MATHEMATICAL SOCIETY

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## Spitalfields Day Wednesday 8th February 1995

Isaac Newton Institute for Mathematical Sciences  
Seminar Room 1, 20 Clarkson Road, Cambridge

### RECENT DEVELOPMENTS IN FINANCIAL MATHEMATICS

#### Programme

- 10:30 Coffee
- 11:00 L.C.G. Rogers (University of Bath)  
*Asymptotic turnpike results in optimal portfolio theory*
- 12:15 Lunch
- 13:30 S.D. Hodges (University of Warwick)  
*Economic equilibria which support Black-Scholes  
option prices*
- 14:45 M.H.A. Davis (Imperial College)  
*Modelling and pricing health insurance*
- 15:45 Tea
- 16:15 S. Pliska (Illinois at Chicago)  
*Portfolio management with fixed transaction costs:  
a free boundary problem*

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Anyone who is interested is welcome to attend. Lunch will be provided at a nominal charge; please let Tracey Hibbitt at the Institute know by Friday 3rd February if you intend to come, in order to help us plan for lunch: telephone: (0223) 335999, fax: (0223) 330508, e-mail: t.hibbitt@newton.cam.ac.uk. Scientific inquiries may be addressed to L.C.G. Rogers at the Institute, e-mail: l.c.g.rogers@newton.cam.ac.uk

## THE NEW ZEALAND MATHEMATICAL SOCIETY

The New Zealand Mathematical Society (NZMS) was founded in 1974 with the objectives of promoting the development, application and dissemination of mathematics in New Zealand, and assisting the co-operation of NZ mathematicians with each other and with mathematicians and mathematical societies in other countries. The NZMS is affiliated to the Royal Society of NZ, and is a member body of the Mathematical and Information Sciences Council of NZ.

The Society currently has around 200 members, most of whom are professional mathematicians working in universities and other research institutions or government agencies. There are four basic classes of membership: ordinary, reciprocal, student, and honorary life members. Also the NZMS offers one year's free membership to postgraduate students and new academic staff in their first year at a NZ university.

The NZMS publishes a Newsletter which is issued three times a year to all members, and sent also to several other recipients (mainly mathematical societies and university libraries). Also in conjunction with the Mathematics Department at the University of Auckland, the NZMS

publishes the NZ Journal of Mathematics, a research journal (formerly known as the Mathematical Chronicle).

Each year the NZMS invites a distinguished overseas mathematician (known as the NZMS Visiting Lecturer) on a tour of the six main university centres in NZ. Also every second year the NZMS assists with the Forder Lectureship, which brings an eminent UK mathematician to NZ on a visit made possible from a bequest to the London Mathematical Society from the late H.G. Forder.

The NZMS supports the annual NZ Mathematics Colloquium, and administers the following grants and awards: the NZMS Research Award (for research by NZ mathematicians), student travel grants, a pre-doctoral thesis competition, conference seed grants, and general research grants (for visitor support, conference travel, etc).

The NZMS has a reciprocity agreement with the LMS. Membership application forms and other information may be obtained from: The NZMS Secretary, Department of Mathematics, University of Auckland, Private Bag 92019, Auckland, New Zealand; fax: 64-9-3737457; e-mail: nzms@math.auckland.ac.nz.

## EASA AWARD

Drs John O'Connor and Edmund Robertson of the School of Mathematical and Computational Sciences of the University of St Andrews, Scotland, have won the award for the best mathematical software in the first ever Europe-wide contest: the European Academic Software Awards. Their winning entry, Mathematical MacTutor, is a computer-based learning package for mathematics. It is used both in St Andrews and many other universities as well as in schools and colleges all over the world. Drs O'Connor and Robertson won the Partnership Trust Award for innovations in mathematics teaching in Higher Education in 1992.

The citation for the winning entry was as follows. Mathematical MacTutor provides an easy connection between personal mathematical experience, mathematical theory and the history of mathematics. The tutorials combine practical work with theoretical background knowledge. An enormous range of mathematics is covered: over 100 interactive learning modules are provided. Supported by MacTutor, the user can explore the data of a mathematical problem, make a hypothesis and then find evidence to prove the assumption. The program contains quizzes, puzzles and animations that guarantee interesting and enjoyable work.



# LONDON MATHEMATICAL SOCIETY

## INVITED LECTURES

**Professor Paul F. Baum**

**(Pennsylvania State University, U.S.A.)**

will give a course of ten lectures on

**TREES, BUILDINGS, SYMMETRIC SPACES AND  
K-THEORY FOR GROUP  $C^*$ -ALGEBRAS**

at Dalton-Ellis Hall, University of Manchester  
18 - 22 April 1995

Accommodation and meals will be available in Dalton-Ellis Hall and further particulars can be obtained from Professor R.J. Plymen, Mathematics Department, University of Manchester, Manchester M13 9PL (e-mail: roger@ma.man.ac.uk). Reservations for accommodation need to be confirmed by 31st March 1995.

### IMA GOLD MEDAL

The IMA Gold Medal for 1994 has been awarded to Professor Fritz Ursell, FRS, for outstanding contributions to theoretical hydrodynamics and mathematical methods over a period spanning almost fifty years. Professor Ursell joins a group of eight Fellows of the Institute of Mathematics and its Applications who have been awarded medals for notable contributions to mathematics and its applications.

### NORTH BRITISH FUNCTIONAL ANALYSIS SEMINAR

A meeting of the North British Functional Analysis Seminar will be held at the University of Newcastle on Monday 6th March 1995. The speaker will be Dr M. Rørdam (University of Odense). All interested are most welcome to attend. For further information contact: Dr Gordon Blower, NBFAS Secretary, Lancaster University; tel: 0524-593962; fax: 0524-592681; e-mail: maa008@uk.ac.lancs.cent1.

# CHAIR IN MATHEMATICS

Applications are invited for the post of Professor of Mathematics. It is hoped to appoint a mathematician with an outstanding research record and qualities of intellectual leadership. Consideration will be given to candidates with interests in any area of mathematics (including theoretical physics and statistics), but there may be a preference for those working in subjects in which the Department is already strong.

Salary will be on the professorial scale (minimum £31,158 per annum).

For further particulars and details of how to apply please contact the Personnel Office, University of York, Heslington, YORK YO1 5DD (tel: 01904 434032), quoting reference number 3/1048. Informal enquiries are welcome and should be made to the Head of Department, Dr Tony Sudbery (tel: 01904 433081 e-mail AS2@YORK.AC.UK).

The closing date for applications is 1 March 1995.

**THE UNIVERSITY** *of York*





**University of Cambridge**

## **STATISTICAL LABORATORY**

### **UNIVERSITY LECTURER or ASSISTANT LECTURER**

Applications are invited for a new established post in the Statistical Laboratory, beginning on or after 1 October 1995. This position is open to candidates with interests in any area of mathematical statistics.

This new position has been created by the University, following the appointment of Richard L. Smith to the new Chair of Statistical Science. The successful applicant will have strong research interests in some branch of theoretical or applied statistics, and will be expected to contribute to the teaching and research programmes of the Laboratory.

The current age-related scale for an Assistant Lecturer is £14,756–£19,326, and for a Lecturer is £17,813–£27,473. The appointee will be placed at a position on one of these scales commensurate with age and/or achievements.

Further information can be obtained from The Director, Statistical Laboratory, Department of Pure Mathematics and Mathematical Statistics, 16 Mill Lane, Cambridge CB2 1SB, UK, e-mail: [vacancies@pmms.cam.ac.uk](mailto:vacancies@pmms.cam.ac.uk), fax: (01223) 337956, telephone: (01223) 337958. Applications, including a curriculum vitae and the names of 3 referees, should be sent to the Director.

The formal closing date for applications is 15 March 1995

The University is an Equal Opportunities Employer

## MATHEMATICAL SCIENCES ANNUAL 1995

The following corrections to telephone and fax numbers have been notified.

<b>Bath</b>	Statistics Group	tel (01225) 826989
	Computing Group	tel (01225) 826965
<b>Birkbeck</b>	Department of Statistics	fax (0171) 631 6344
<b>Birmingham</b>	School of Mathematics and Statistics	tel (0121) 414 6587
<b>Brighton</b>	Department of Computing	tel (01273) 642451
<b>Bristol</b>	School of Mathematics	tel (0117) 928 8247
		fax (0117) 928 7999
<b>Cambridge</b>	Statistical Laboratory	tel (01223) 337959
<b>Cardiff</b>	School of Mathematics	tel (01222) 874811
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	Research, and Mathematics	fax (01203) 838585
<b>Durham</b>	Department of Mathematical Sciences	fax (0191) 374 7388
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		fax (0171) 955 7416
	Department of Mathematical Sciences	tel (0171) 919 7171
		fax (0171) 919 7853
<b>Imperial</b>	Department of Computing	tel (0171) 594 8281
<b>Kent</b>	Applied Statistics Unit	tel (01277) 475454
		fax (01277) 4710708
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	Department of Mathematics and Statistics	fax (01524) 381707
	Department of Computing	fax (01524) 593608
<b>Liverpool</b>	Department of Computer Science	tel (0151) 794 3670
		fax (0151) 794 3715
<b>LSE</b>	Department of Mathematics	tel (0171) 955 7732
		fax (0171) 955 6877
<b>Open</b>		
<b>University</b>	Department of Statistics	fax (01908) 652140
	Computing Department	tel (01908) 653037
	Faculty of Mathematics and Computing	fax (01908) 652140
<b>St Andrews</b>	Department of Mathematical and	tel (01334) 463745
	Computational Science	fax (01334) 463748
<b>Strathclyde</b>	Department of Statistics and	fax (0141) 552 2079
	Modelling Science	
<b>Sussex</b>	Department of Mathematics and Statistics	tel (01273) 678105

I.M. James



## THEORY OF INTEGRO-DIFFERENTIAL EQUATIONS

**V. Lakshmikantham**, *Florida Institute of Technology, USA* and **M. Rama Mohana Rao**, *Indian Institute of Technology, Kanpur, India*

This unique monograph investigates the theory and applications of Volterra integro-differential equations. This comprehensive work presents a unified framework to investigate the fundamental existence of theory, treats stability theory in terms of Lyapunov functions and functionals, develops the theory of integro-differential equations with impulse effects, and deals with linear evolution equations in abstract spaces, making this book indispensable for mathematicians and engineers alike.

December 1994, 384 pp  
Cloth, ISBN: 2-88449-000-0  
List Price: \$98.00 / ECU 82.00

## REGULARITY THEORY AND STOCHASTIC FLOWS FOR PARBOLIC SPDE'S

**F. Flandoli**, *Associate Professor, Scuola Normale Superiore, Pisa, Italy*

The book treats two topics in the theory of stochastic partial differential equations: space-regularity of solutions and existence of stochastic flows. Regularity theory in Sobolev spaces is extensively investigated. Regularity theory is then applied to prove the existence of stochastic flows. The book provides an account of regularity results that may represent a useful reference for the researcher in stochastic partial differential equations, and several open problems are pointed out, with the hope of stimulating further research on this subject.

May 1995, 87 pp  
Cloth, ISBN: 2-88449-045-0  
List Price: \$30.00 / ECU 25.00

## INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS

Editor: **D.J. Evans**, *Loughborough University of Technology, UK*

### Section A - Computer Systems: Programming Languages

Section A contains work concerning research and development in computer systems and the theory of programming languages. Papers relating to these fields are welcome, particularly those in: computer software and data structures, mathematical logic, formal languages, artificial intelligence, analysis of algorithms, combinatorial algorithms, and symbol manipulation.

### Section B - Computational Methods: Applications

Section B contains work concerning mathematical techniques that are of interest to computer users in the fields of numerical analysis, discrete mathematics, computational geometry, image processing, pattern recognition, operations research and applied mathematics in general.

4 Issues per Volume, ISSN: 0020-7160  
Current Subscription: Volumes 53-55 (1995)  
Base List Rate per Volume: \$438.00 / ECU 365.00

## JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS

Editors in Chief: **S. Elaydi**, *Trinity University, San Antonio, USA* and **G. Ladas**, *University of Rhode Island, USA*

The **Journal of Difference Equations and Applications** will present state-of-the-art papers in difference equations and the academic, analytical and engineering problems in which they arise. The journal will accept original research; expository; review papers; and those presenting novel concepts in applications of difference equations.

4 Issues per Volume, ISSN: 1023-6198  
Current Subscription: Volume 1 (1995)  
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## WILLIAM KINGDON CLIFFORD

On 4 May 1845 the mathematician William Kingdon Clifford was born in Exeter. As a child he excelled at Mr Templeton's Academy from which he went to King's College London and then in 1863 was awarded a minor scholarship to Trinity College, Cambridge. Having graduated second wrangler, he was elected a fellow of Trinity for three years. As an orthodox High Churchman he agonised trying to link conventional religious belief with his own scientific ideas. Eventually, after reading Darwin and meeting Spencer, he renounced his faith and became well known as an outspoken agnostic, and later atheist. Thus, effectively excluding himself from the possibility of a professorship at Cambridge, in 1871 he moved to a Chair at University College, then a refuge for free thinkers. In London he became a well known figure in the intellectual circles of the day; the Sunday salons at his and his wife Lucy's home were attended by many leading Victorians.

Accounts of Clifford describe him as having a gift for making scientific and mathematical concepts accessible to the lay person. Consequently he was much sought after as a lecturer: the Metaphysi-

cal Society, Sunday Lecture Society, the British Association are among a long list of bodies with records of brilliant discourses given by him. He became a member of the London Mathematical Society on 18 June 1866 and served on its Council for every session from 1868/9 to 1876/7. In 1874 he was elected Fellow of the Royal Society having modestly refused an earlier nomination on the grounds that he did not want to "become respectable just yet".

Clifford died at the young age of 33 from tuberculosis. During his short life he made significant and innovative developments in mathematics, mathematical physics and philosophy - contributions for which he is remembered today. For those interested in finding out more about this controversial and brilliant figure, his life, his ideas and his circle of friends, there is the opportunity to attend an inter-disciplinary meeting at the University of Kent on 6 May 1995, the 150th anniversary of his birth. The meeting is being financially supported in part by the London Mathematical Society. Further details about how to register are in the December 1994 edition of the Newsletter.



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## ONE DAY FUNCTION THEORY MEETING Nottingham University

A one day Function Theory Meeting will be held at the Department of Mathematics, University of Nottingham on Monday 25th September 1995. Further details will be circulated shortly to all who have attended these annual meetings in recent years, and are in any case available from the organisers, Dr J.K.

Langley and Dr J.F. Feinstein, Department of Mathematics, University of Nottingham, Nottingham NG7 2RD (e-mail: jff@maths.nott.ac.uk). Anyone wishing to give a talk (normally 30 minutes) is encouraged to submit a title and a very brief abstract.

## CANADIAN MATHEMATICAL SOCIETY 50th Anniversary Summer Meeting

This meeting will feature a large number of plenary lectures on a broad spectrum of mathematics by top Canadian mathematicians. The Jeffery-Williams Prize Lecture will be given by Robert V. Moody and the Krieger-Nelson Prize Lecture for Distinguished Research by Women in Mathematics will be given by Nancy Reid. In addition, Richard Guy will present a public lecture as part of the

Education Programme. The programme will be complemented by a number of special social events.

For further information contact: The Canadian Mathematical Society, 577 King Edward, Suite 109, PO Box 450, Station A, Ottawa, Ontario K1N 6N5; e-mail: exsmc@acadvm1.uottawa.ca; fax: (613) 565 1539; tel: (613) 564 2223.

## NICOLAAS H. KUIPER

Professor Nicolaas H. Kuiper, who was a former Director of the IHES in Paris, died on 12 December 1994.



## ADDENDUM TO AFRICAN MATHEMATICAL UNION AND THE CHALLENGE

The Journal/Books Distribution Section of the International Centre for Theoretical Physics (ICTP, Trieste, Italy) has agreed, within the limit of available funds, to pay for the sending of books/journals to African Institutions. Organisations/individuals who would like to donate contemporary books/journals should contact me with a list of items to be donated, including possible cost of postage. This list will then be forwarded to ICTP for approval for support, after which ICTP, will make funds available to the individual/organisation to send such books/journals. One important requirement for supporting shipping of Journals by ICTP is that the series should be "reasonably complete". In other words, isolated copies of journals cannot be supported. I would like to emphasise that this arrangement is preliminary pending our success in finding organisations/individuals in the UK willing to co-ordinate the sending of such books/journals. In this respect, I should like to appeal for volunteers to help the co-ordination of this important activity. I

would also like to seize this opportunity to appeal to organisations/individuals for funding support towards the sending of such books/journals.

We are aware of the need to popularise electronic communication as well as computerise libraries all over the continent in order to alleviate the problem of professional isolation among others. So far, there are very few countries and relatively few institutions which have e-mail facilities. The African Mathematical Union is exploring the possibility of co-operating with other scientific organisations in and outside Africa to sensitise our Governments and Higher Institutions about the urgent need for adequate computer facilities, electronic communication and networking with libraries and International data bases in other continents of the world.

Aderemi Kuku  
AMU President

Mathematics Department  
University of Ibadan, Nigeria

Tel: 234-2-8100347; fax: 234-2-8103043

## PAN AFRICAN CONGRESS OF MATHEMATICIANS 18-26 September 1995

The fourth African Mathematical Union Pan-African Congress of Mathematicians, like its predecessors, will welcome participants from African countries and beyond in order to propagate research and education in the mathematical sciences in their various ramifications - all types of pure and applied mathematics, including computer science, mathematical physics, econometrics, various types of engineering mathematics, history of mathematics and topical issues in mathematics education. The Congress will be held at Al-Akhawayn University, Ifram, Maroc.

The academic activities will consist of:  
1) one-hour invited plenary lectures on current directions and achievements of mathematical sciences;

2) forty-five minute invited research lectures in parallel specialised sessions;

3) contributed research papers (25 minutes) by participants in various areas of specialisation;

4) a special symposium on the theme: Mathematical Sciences and the Development of Africa: What Challenges for the 21st Century?;

5) scientific exhibition, display of posters.

For further information about the Congress, please contact: Professor Ahmed Kerkour, Chairman, Local Organising Committee, Secretariat de la Société Mathématique du Maroc, BP 1780, Rabat, Maroc; fax: 212-7-775471.





**E. BELTRAMI**  
**Honorary Member 1892**

## 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 1995

- 4 Model Theory and Group Theory Meeting. The Queen's College, Oxford (223)
- 5-9 ANZIAM'95, University of Western Australia (219)
- 7-10 Fractals in the Natural and Applied Sciences International Working Conference, Marseilles, France (217)
- 10 Edinburgh Mathematical Society Meeting, Edinburgh University, Professor M.J. Dunwoody (219)
- 11 Arthur Cayley (1821-1895) Special Day, Mathematical Institute, Oxford (221)
- 17-18 Two-day London Mathematical Society Meeting, Computers in Mathematics, Warwick University

### MARCH 1995

- 10 Edinburgh Mathematical Society Meeting, Abertay, Professor A.D. Wood (219)
- 17-24 Science, Engineering and Technology Week (219)(221)
- 19-22 Carolus Magnus on Arithmetic and Geometry Colloquium, Aachen, Germany (217)
- 26-29 Postgraduate Conference in Probability & Statistics, Keble College, Oxford (222)
- 27-29 Applications of Logic, University of York (221)
- 27-31 Workshop on Stochastic Evolution Equations as Dynamical Systems, Warwick University (222)
- 27-1 April Dynamical Systems International Congress, Montevideo, Uruguay (223)

### APRIL 1995

- 3-6 British Mathematical Colloquium, Heriot-Watt (221)(223)
- 3-6 Conference on Numerical Methods for Fluid Mechanics, Oxford (221)
- 18-22 Professor P.F. Baum, LMS Invited Lectures, Manchester University (218)(223)
- 23-26 Korteweg and de Vries International Symposium, Amsterdam, The Netherlands (210)
- 24-28 Operator Algebras Symposium, Fields Institute, Canada (212)

### MAY 1995

- 5 Edinburgh Mathematical Society Meeting, Stirling University, Dr C.J.H. McDiarmid (219)

- 6 A Celebration of Two Lives, William Kingdon Clifford and Lucy Clifford, Kent University, Canterbury (222)
- 12-13 Two-day London Mathematical Society Meeting, 'A Hundred Years of Analysis', Oxford University.
- 29-1 June Mathematical Modelling Conference, University of Brunei Darussalam (214)

### JUNE 1995

- 2 Edinburgh Mathematical Society Meeting, St Andrews University, Dr M.A. Berger (219)
- 16 London Mathematical Society Meeting, Burlington House, London
- 25-29 European Consortium for Mathematics in Industry Conference, Technical University of Denmark, Lyngby (222)
- 28-30 Conference on the Legacy of George Boole, University College, Cork (219)

### JULY 1995

- 3-7 Fifteenth British Combinatorial Conference, University of Stirling (210)(223)
- 3-7 International Congress on Industrial and Applied Mathematics, Hamburg (213)
- 3-7 Mathematics of Neural Networks and Applications, Lady Margaret Hall, Oxford (221)(223)
- 3-14 Gauge Theory and Symplectic Geometry Seminar, Montreal University, Canada (222)
- 9-16 European/Gregynog Stochastic Analysis Symposium, Gregynog, Wales (222)
- 10-12 Linear Algebra and Its Applications Conference, Manchester University (220)
- 10-13 The ATLAS 10 Years On, Birmingham University (223)
- 10-20 Mathematical Models of Liquid Crystals and Related Polymeric Systems LMS Durham Symposium, Durham University (223)
- 10-21 Workshop on Ergodic Theory on Riemannian Manifolds, Warwick (222)
- 11-14 Finite Fields & Applications International Conference, University of Glasgow (219)(223)
- 13-16 British Congress of Mathematics Education, Manchester Metropolitan University (220)
- 17-21 Symposium on Sieve Methods, Exponential Sums and their Applications in Number Theory, University of Wales College of Cardiff (221)

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