

THE LONDON MATHEMATICAL SOCIETY NEWSLETTER

No.148

March 1988

The Newsletter is published monthly except in August. Items and advertisements for inclusion in the Newsletter should be sent to the Editor (Susan Oakes, London Mathematical Society, Burlington House, Piccadilly, London W1V 0NL) to arrive before the first day of the month prior to publication.

FORTHCOMING SOCIETY MEETINGS

Friday 18 March 1988, Scientific Societies Lecture Theatre
(J.H. van Lint, F.C. Piper)

Thursday, Friday 19-20 May 1988, Cardiff

Friday 17 June 1988, Burlington House

Friday 21 October 1988, Burlington House

Friday 18 November 1988, Royal Society

NONLINEARITY

Every member of the London Mathematical Society will have received a complimentary copy of the first issue of the new journal, Nonlinearity. To continue receiving Nonlinearity it will be necessary for you to place an order. The cost to members of

the Society is only £10 (to overseas members £13.50 or US\$23.50). Payment should be sent to the Treasurer, London Mathematical Society, Burlington House, Piccadilly, London W1V 0NL.

DOMESDAY BOOK

A facsimile of the Domesday Book has been generously donated to the Society by Mr Vernon D. Naylor, a member of the London Mathematical Society. It will be on display during the British Mathematical Colloquium meeting in Exeter from 11th – 15th April 1988. At present it is on display at the Geological Society, Burlington House, Lon-

don, and will return there after the BMC, until a decision on its future has been reached by Council. During this period, anyone wishing to have access to the book for purposes of academic research should contact the Society's Administrator, who will make the necessary arrangements.

GEORGE LEO WATSON

Professor George Leo Watson who was elected a member of the London Mathematical Society on 18 January 1951 died on 9 January 1988 at the age of 79. He served on Council 1965-71 and 1972-73, was Vice-President 1969-71, Librarian 1965-69 and 1972-73. In 1968 he was awarded the

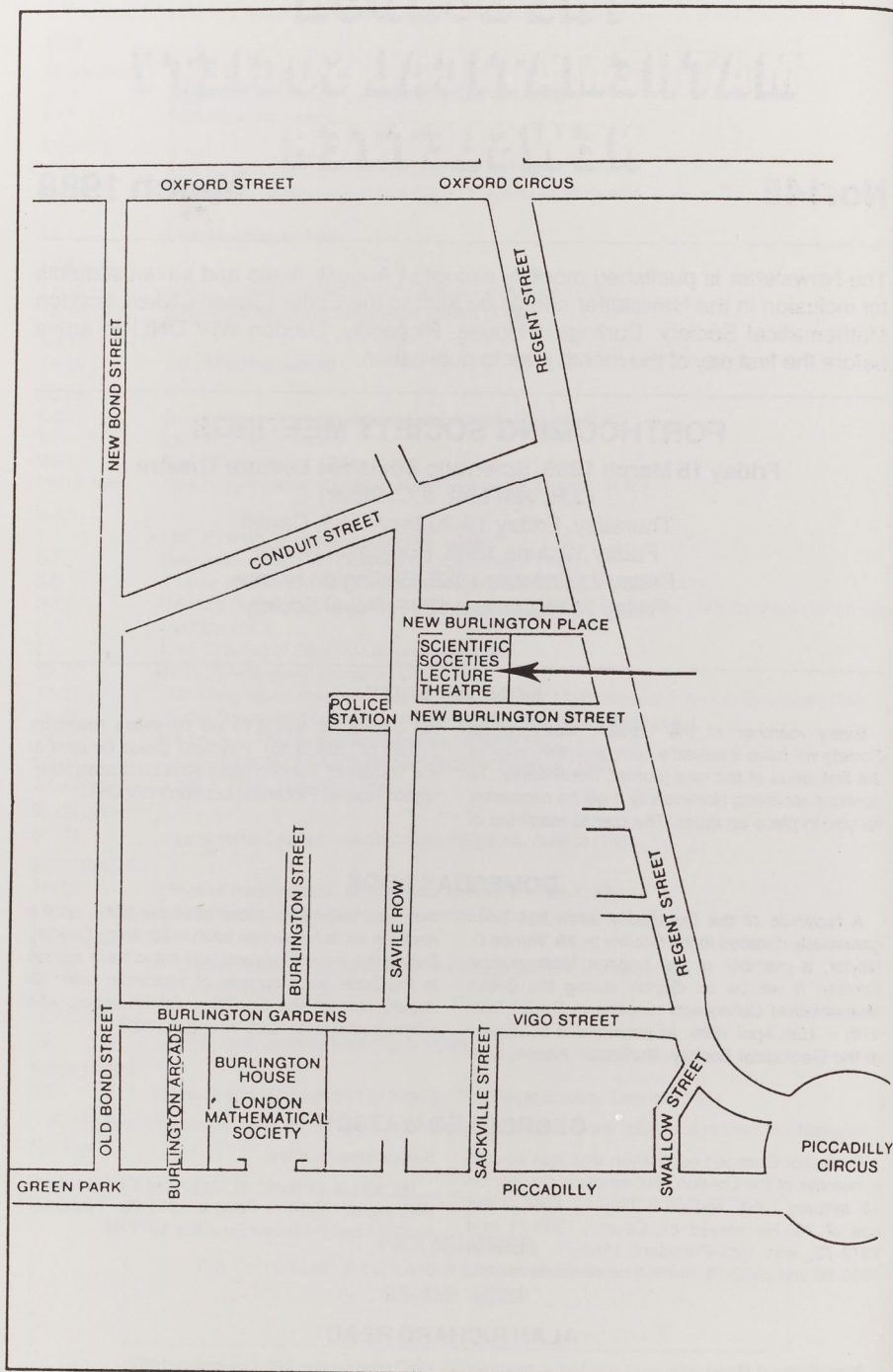
Senior Berwick Prize.

He was a Lecturer at University College, London, from 1955-61, Reader 1961-70, Professor 1970-77 and Professor Emeritus 1977-88.

ALAN RICHARD READ

Alan Richard Read who was elected a member of the London Mathematical Society on 18 April

1952 died on the 24th December 1987.



LONDON MATHEMATICAL SOCIETY

F.C.Piper (London)
**SECURITY, SIGNATURES AND
AUTHENTICATION**

J.H.Van Lint (Eindhoven)
**CODING THEORY AND ALGEBRAIC
GEOMETRY**

FRIDAY 18 MARCH 1988 AT 3.30 p.m.

The meeting will be held at the Scientific Societies
Lecture Theatre, New Burlington Place,
off Savile Row, London W1

PLEASE NOTE CHANGE OF VENUE SEE MAP
OPPOSITE

All interested are very welcome.
Tea will be served at 4.30 pm

NUMBER MYSTERIES – A HISTORICAL PERSPECTIVE

The present Gresham Professor of Geometry, Professor Clive Kilmister proposes to conclude his seventeen-year tenure of office with three lectures on curious aspects of number. The first of the three public lectures will be 'The Pythagoreans and their modern consequences', the second 'Euler and an open question' and the third 'The twentieth century computer'.

They will be given on the 27 April, 4 and 11 May at 5.00pm in the Recital Room, City of London School, Queen Victoria Street, London EC4.

Admission is free by ticket obtainable from Gresham College, Mercers' Hall, Ironmonger Lane, London EC2V 8HE. Telephone 01-638 0353.

PROFESSOR BRIAN KUTTNER

Brian Kuttner, Emeritus Professor of Mathematics at the University of Birmingham, celebrates his 80th birthday on 11th April, 1988. He has been a member of the London Mathematical Society for nearly 60 years, first joining the Society in 1930.

To honour Brian Kuttner, a number of his colleagues have organised a meeting in the Department of Mathematics of the University of Birmingham, (Lecture Room B, Watson Building), on Friday, 29th April, 1988. The lecture programme is:-

1430 hours **Dr Brian Thorpe** (University of Birmingham) "Some aspects of Kuttner's later works"

1600 hours **Professor I.J. Maddox** (Queen's University, Belfast) "Convergence and summability of series"

A dinner will be held on the evening of Friday, 29th April at 1900 for 1930 hours in Staff House, University of Birmingham. The guest of honour will be Brian Kuttner.

All friends, and former colleagues of Brian Kuttner are warmly invited to attend the meeting and/or the dinner (cost £10) on Friday, 29th April, 1988. For further information please write to Dr Brian Thorpe, Department of Mathematics, The University of Birmingham, Birmingham B15 2TT (We have to finalise dinner numbers by Monday, 25th April, 1988).

LONGSTANDING MEMBERS

The following is a list of mathematicians who had completed fifty years or more of membership of the London Mathematical Society at the end of 1987.

1915	Jeffreys H.	1931	Shah S.M.
1921	Burkill J.C.	1931	Tanner R.C.H.
1921	Steward G.C.	1931	Todd J.A.
1922	Ferrar W.L.	1932	Jeffreys B.
1924	Oppenheim A.	1932	Lord R.D.
1925	Dalzell D.P.	1932	Potter H.S.A.
1925	Synge J.L.	1932	Walker A.G.
1927	Goldstein S.	1933	Busbridge I.W.
1928	Cartwright M.L.	1933	Cossar J.
1928	Skewes S.	1933	Coxeter H.S.M.
1929	Chowla S.S.	1933	Young L.C.
1929	Edge W.L.	1934	Babbage D.W.
1929	Estermann T.	1934	Burnett D.
1929	Grimshaw M.E.	1934	Chandrasekhar S.
1929	Price A.T.	1934	Erdos P.
1929	Temple G.F.J.	1934	Meyler D.S.
1929	Verblunsky S.	1934	Morgan G.W.
1929	Wright E.M.	1935	Howlett J.
1930	Kuttner B.	1936	Haviland E.K.
1930	Lawrence B.E.	1936	Neumann B.H.
1930	Offord A.C.	1936	Rado R.
1930	Scholey C.M.	1936	Taussky O.
1930	Wilson A.H.	1937	Harding J.W.
1930	Zygmund A.	1937	Harvey G.G.
1931	Archbold J.W.	1937	Pitt H.R.
1931	McCrea W.H.	1937	Scott D.B.

HUDOMS

The Heads of University Departments of Mathematics and Statistics held a meeting at the Royal Society on 22nd January.

In the morning Professor Sir Peter Swinnerton-Dyer (Chairman of UGC) and Professor Needham (Chairman UGC Mathematics Sub-Committee) addressed the meeting. During discussion serious concern was expressed at the low UGC unit of resource in mathematics, which had already caused Universities to worsen the staff/student ratio in mathematics to 15% below average and 40% below other sciences, and was now causing them to plan to worsen it yet another 8% during the next three years. The most worrying consequence of this will be the loss of 95 posts in the next three years, and the subsequent loss of so many good young postdoctorals. Professor Needham agreed that the Sub Committee was worried, but Sir Peter said that the UGC would need assistance from above, either in the form of advice to redirect existing resources towards mathematics, or in the form of extra funding specifically for mathematics. Professor Needham hoped that mathematics might receive improved UGC funding for computer equipment and computer assistants.

In the afternoon Professor Stuart (Chairman of SERC Mathematics Committee) addressed the meeting. SERC funding for mathematics research

grants had increased to £2.7m including £0.6m for each of the Nonlinear systems and Stochastic analysis initiatives. Of research studentships, although 25% had been earmarked for particular subject areas in applied mathematics, 65% of the total take-up were in pure mathematics.

Dr Taylor addressed the meeting on the university-industry interface, and reported on the newly formed ECMI (European Consortium for Mathematics in Industry).

Professor Rogers addressed the meeting on the school-university interface. Although the numbers of students taking PGCE in mathematics had improved, the proportion with a first degree in mathematics was still unacceptably low. Universities were encouraged to participate more strongly in the new GCSE structure in order to ensure the continuing quality and quantity of the mathematical intake to universities.

The following were elected to the committee:
 Professor I.M. Roxburgh (QMC) Chairman,
 Professor S. Barnett (Bradford),
 Professor R. Brown (Bangor),
 Dr D.J.H. Garling (Cambridge) LMS representative,
 Professor J.R. Whiteman (Brunel).

E.C.Z. (Out-going Chairman CHUDOMS)

MATHEMATICAL PHYSICS GROUP

The Annual Review Meeting of the Mathematical Physics Group of the Institute of Physics will take place on 11 April 1988 at the Blackett Laboratory, Imperial College, London SW7. The programme is:

- | | |
|-------------|---|
| 1300 - 1350 | Quasi-Crystals:
R. Penrose (Oxford) |
| 1355 - 1445 | The Fractional Quantum Hall Effect:
R. Nicholas (Oxford) |
| 1450 - 1540 | The Supernova of 1987:
P. Murdin (RGO) |
| 1540 - 1615 | Tea |
- (The Annual General Meeting of the Mathematical Physics Group will take place during the tea interval)

- | | |
|-------------|---|
| 1615 - 1705 | Knot Polynomials:
R. Lickorish (Cambridge) |
| 1710 - 1800 | Virasoro Algebras and Statistical Mechanics:
J. Thierry-Mieg (Cambridge) |
| 1800 - 1845 | Sherry in the SCR of the Physics Department |

If you wish to attend, please send a cheque for £3.00 payable to 'The Institute of Physics' with your style, name and address in block letters on the back, to Dr K.P. Tod, Mathematical Institute, 24-29 St. Giles', Oxford OX1 3LB. In return, you will be sent a badge guaranteeing admission.

HENSTOCK REAL ANALYSIS SYMPOSIUM

A symposium on the Theory of Integration, Differentiation and related subjects will be held at the University of Ulster, Coleraine from 9-12 August 1988.

The main speakers are: P.S. Bullen (British Columbia), G. Cross (Waterloo), R. Henstock (Ulster), J. Kurzweil (Prague), P.Y. Lee (Singapore), J.L.

Mawhin (Louvain-la-Neuve), W. Pfeffer (California Davis) and C.A. Rogers (University College, London).

Anybody wishing to contribute a paper should send an abstract to: Pat Muldowney, Magee College, Londonderry, Northern Ireland BT48 7JL.

**University of Liverpool
Department of Pure Mathematics
Senior Research Assistant**

Applications are invited for a Senior Research Assistant to work with Dr H.R. Morton on the geometry of knot polynomials. A knowledge of knot theory, 3-manifolds or related topics is necessary. Applicants should possess a Ph.D. in mathematics or expect to receive such an award in the near future.

The post is SERC-funded and is tenable for up to two years starting on 1 September 1988 or as soon as possible thereafter.
Initial salary is within the range £9865 – £11,070 per annum.

Applications, together with the names of three referees, should be received not later than 17 March 1988 by the Registrar, The University, P.O. Box 147, Liverpool, L69 3BX, from whom further particulars may be obtained. Late applications will be considered until the post is filled.
Quote ref RV/737

An Equal Opportunity Employer

**University College of Swansea
Department of Mathematics and Computer Science
Senior Research Assistantships**

Applications are invited for two SERC-supported posts, to work with Professor D.E. Evans on Operator Algebras, their applications and connections with areas such as mathematical physics (statistical mechanics and quantum field theory), topology and geometry (K-theory, index theory, foliations, differentiable structures, braids, links) or topological dynamics. Candidates should possess a Ph.D. in mathematics, or expect to receive such a degree in the near future. The appointments will be at the appropriate point on the Research Assistant 1A scale and for duration of approximately two years each, commencing on 1 June 1988 and 1 October 1988 respectively or as soon as possible thereafter. Applications, including a curriculum vitae and names and addresses of three referees, should be received by 15 March 1988 by The Registrar, University College of Swansea, Singleton Park, Swansea SA2 8PP, Wales, U.K. Further particulars on the project can be obtained from Professor D.E. Evans, Department of Mathematics and Computer Science, at the same address.

NATIONAL UNIVERSITY OF SINGAPORE



DEPARTMENT OF MATHEMATICS

Applications are invited for teaching appointments from candidates who are able to teach in one or more of the following areas:

Pure Mathematics
Applied Mathematics
Operational Research
Statistics

Candidates should possess a PhD degree in Mathematics or its equivalent.

Gross annual emoluments range as follows:

Lecturer	S\$43,850 – 57,350
Senior Lecturer	S\$51,950 – 91,070
Associate Professor	S\$79,780 – 109,880
(STG£1 = S\$3.58 approximately)	

The commencing salary will depend on the candidate's qualifications, experience and the level of appointment offered.

Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in allowance of S\$1,000 or S\$2,000, subsidised housing at nominal rentals ranging from S\$100 to S\$216 p.m., education allowance for up to three children subject to a maximum of S\$10,000 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore. Staff members may undertake consultation work, subject to the approval of the University, and retain consultation fees up to a maximum of 60% of their gross annual emoluments in a calendar year.

The Department of Mathematics is a department in the Faculty of Science. There are 8 faculties in the National University of Singapore with a current student enrolment of some 14,000. All departments are well-equipped with a wide range of facilities to enhance the teaching and research activities of staff members. The University is linked to BITNET, an international network that interconnects almost 500 mainframe computers at 200 institutions of higher learning and research centres around the world.

Application forms and further information on terms and conditions of service may be obtained from:

The Director
Personnel Department
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511

NUS Overseas Office
Singapore High Commission in London
5 Chesham Street
London SW1
U.K.
Tel:(01) 235-4562

Enquiries may also be sent through BITNET to: **PERSDEPT @ NUSVM**

DIFFERENTIAL EQUATIONS AND APPLICATIONS

The Fourth Conference on Differential Equations and Applications will be held in Rousse, Bulgaria from 13th – 19th August 1989. The aim of the conference is to provide an opportunity for the presentation and discussion of recent results of mathematicians working in the field of Differential Equations.

The programme is planned to include plenary lectures (45 minutes) by leading scientists and scientific reports (20-30 minutes). The reports of the participants in the conference will be published in the Proceedings of the conference.

The topics are: Ordinary Differential Equations; Partial Differential Equations; Numerical Methods of Solutions of Differential Equations; Optimization and Stochastic Differential Equations; Applications of Differential Equations.

For further information concerning expenses, hotel accomodation and list of invited speakers write to: Organizing Committee CDE-IV, Technical University, Komsomolska Street N8, 7017 Rousse, Bulgaria.

ANALYTIC NUMBER THEORY TWO-DAY LMS MEETING AT CARDIFF

The meeting will be held at University College, Cardiff, and will begin at about 2.15pm on Thursday, 19th May. It will end about 1pm on Friday 20th May. Invited speakers are Professor Henri Cohen, Dr D.R. Heath-Brown, Professor N.M. Katz, Professor H.L. Montgomery, Professor G. Tenenbaum and Professor R.C. Vaughan.

A dinner will be held on the evening of Thursday 19th May. Those wishing to attend should inform Dr G.R.H. Greaves, Department of Pure Mathematics, University College, Cardiff, P.O. Box 78,

Cardiff CF1 1XL, enclosing a cheque for £15 per person payable to University College Cardiff, to arrive by the 29th April. No bookings can be made after that date.

A list of some of the hotels in Cardiff with approximate prices and estimated distances from the Mathematics Institute can be obtained from Dr G.R.H. Greaves at the above address. Participants will be expected to contact the hotels directly for reservations.

ICPAM SUMMER SCHOOL

An ICPAM Summer School on 'Jordan Algebras and Jordan Triples: Geometry and Analysis' will be held from 22 August to 16 September 1988 at Poitiers, France. The objective is an introduction to various topics via Jordan algebras and triple systems: homogeneous cones, symmetric domains

and complex analysis, prehomogeneous vector spaces and zeta functions. For further information write to the ICPAM office, 1 avenue Edith-Cavell, F – 06000, Nice, France. Completed applications must be sent to the ICPAM office before 15 April 1988.

100 YEARS OF AMERICAN MATHEMATICS

In 1988, American mathematics is concluding its first century and beginning a second hundred years. To celebrate the centenary the Joint Policy Board for Mathematics is sponsoring "100 years of American Mathematics" – a series of events throughout 1988. The events consist of:

April

Century of American Mathematics – National Academy of Sciences Annual Meeting, Washington DC.

National Mathematics Awareness Week – JPBM Annual Event

The Impact of Mathematics – Board on Mathematical Sciences Event, Washington, DC.

May

Mathematics Education: Wellspring of U.S. Industrial Strength – Mathematical Sciences Education Board Symposium, Irvine, CA.

June

The Legacy of John Von Neumann – Hofstra/AMS/SIAM Symposium, Hempstead, NY.

July

Applied Mathematics: Foundations for Science & Technology – SIAM Annual Meeting, Minneapolis, MN.

August

Mathematics into the 21st Century – AMS Centennial Celebration, Providence, RI.

October

The Future of Mathematics Education in the U.S. – MSEB/BMS Report to the Nation.

For a detailed calendar of events, write to: JPBM – '100 Years', 1529 18th St., NW, Washington, DC, 20036, U.S.A.

The Joint Policy Board for Mathematics is Composed of the American Mathematical Society, the Mathematical Association of America and the Society for Industrial and Applied Mathematics.

BRITISH MATHEMATICAL COLLOQUIUM

The 40th British Mathematical Colloquium will be held at the University of Exeter, 11th to 15th April 1988.

The Organising Committee would like to remind you that the closing date for applications is 19th March 1988.

We regret that Professor Manin has been unable

to accept our invitation for 1988. The evening speakers will thus be L. Lovász (Tues.), S. Shelah (Wed.), and I.M. Singer (Thurs.).

Further particulars may be obtained from the Colloquium Secretary, Dr D.K. Oates, Department of Mathematics, University of Exeter, North Park Road, Exeter, EX4 4QE. Telephone 0392-263978.

1988 COLLINGWOOD LECTURE

The Department of Mathematical Sciences of the University of Durham holds an annual lecture on the History and Philosophy of Mathematics, in memory of Sir Edward Collingwood, FRS. The 1988 lecture will be given by Professor David Williams, FRS of Cambridge University, who will

speak about "Probability: Philosophy and Practice".

The lecture will take place at 3.15 pm on Monday 14th March in the Scarborough Lecture Theatre, Science Laboratories, University of Durham.

SCOTTISH ALGEBRA DAY

A one-day conference on Algebra will be held in Edinburgh on Saturday 5th March 1988, supported by the Centenary Fund of the Edinburgh Mathematical Society.

Invited speakers are: D.J. Collins, C. Dean, G. Higman and J.T. Stafford. For details contact K.A. Brown (Glasgow), J. Howie (Heriot-Watt) or T.H. Lenagan (Edinburgh).

MATHEMATICAL WHO'S WHERE 1988-9

This booklet gives the names of over 2000 mathematicians working at Universities and similar institutions in the United Kingdom. Copies are available price £1.50 or US\$3.00 post free from I.M. James, Mathematical Institute, 24-29 St Giles, Oxford OX1 3LB; Cheques should be made payable to "I.M. James".

The LMS Council has agreed to distribute a free copy to each LMS member with an address in the area covered by the directory, as one of the privileges of membership, and it is enclosed with this mailing of the Newsletter.

CAMBRIDGE COMBINATORIAL CONFERENCE

The Cambridge Combinatorial Conference is being held in honour of Paul Erdős on his 75th birthday at Trinity College, 21st-25th March 1988.

Lectures will be given by the following speakers: J. Akiyama (Tokyo), N. Alon (Tel Aviv), C. Berge (Paris), J.-C. Bermond (Paris), N.L. Biggs (Royal Holloway), B. Bollobás (Cambridge), P.J. Cameron (London), F.R.K. Chung (Bell Cor), P. Erdős (Budapest), P. Frankl (Paris), R.L. Graham (Bell Lab), R. Häggkvist (Stockholm), A. Hajnal (Budapest), P.L. Hammer (Rutgers), A.J. Hilton (Reading), G. Kalai (Jerusalem), M. Karonski (Poznan), D. Knuth

(Stanford), B. Korte (Bonn), W. Mader (Hannover), J. Nešetřil (Prague), P. Rosenstiehl (Paris), V. Rödl (Prague), V.T. Sós (Budapest), A. Thomason (Cambridge), W.T. Trotter (Tempe), L.G. Valiant (Harvard), D.J.A. Welsh (Oxford), and D.R. Woodall (Nottingham).

The Conference is supported by the London Mathematical Society and the Department of Pure Mathematics and Mathematical Statistics, Cambridge. For further information contact Dr B. Bollobás, D.P.M.M.S., 16 Mill Lane, Cambridge CB2 1SB. Tel. (0223) 337999

VISIT OF PROFESSOR BRUCE BLACKADAR

Professor Bruce Blackadar from Marseille, will be lecturing in Edinburgh, Oxford, Reading and Swansea on the 7th, 8th, 9th and 10th March respectively. His lecture is entitled "Symmetries of the CAR algebra".

Professor Blackadar's visit has been made possible by a travel grant from the London Mathematical Society.

RECIPROCITY AGREEMENTS

The London Mathematical Society has reciprocity agreements with the following Societies. Further details and application forms may be obtained from the addresses shown.

American Mathematical Society
PO Box 6248, Providence, RI 02940, U.S.A.

Australian Mathematical Society
Dr B.D. Jones, Department of Mathematics, University of Queensland, St Lucia, Qld 4067, Australia.

Societe Mathematique de Belgique
c/o Professor G. Hirsch, Avenue Charles Woeste 317-Bte 11, B-1090 Brussels, Belgium.

Canadian Mathematical Society
577 King Edward, Suite 109, Ottawa, Ontario, Canada K1N 6N5.

Dansk Matematisk Forening
H.C. Orsted Institut, Universitetsparken 5, DK 2100 Kobenhavn 0, Denmark.

Deutsche Mathematiker Vereinigung
J.Flum, Alberstrasse 24, 7800 Freiburg, Federal Republic of Germany.

Societe Mathematique de France *
B.P. 126-05, 75226 Paris Cedex 05, France.

Indian Mathematical Society
Professor M.K. Singal, General Secretary, Dept of Mathematics, Meerut University, Meerut 250 005, India.

Unione Matematica Italiana
Professor P.L. Papini, The Secretary, Dipartimento di Matematica, Universita, Piazza Porta S. Donata 5, 40127 Bologna, Italy.

New Zealand Mathematical Society
Dr D.R. Breach, The Secretary, NZMS, Dept of Mathematics, University of Canterbury, Private Bag, Christchurch, New Zealand.

Nigerian Mathematical Society *
c/o Professor J.O.C. Ezeilo, Dept of Mathematics, University of Nigeria, Nsukka, Nigeria.

Norsk Matematisk Forening
Matematisk Institutt, PO Box 1053, Blindern, N-0316 Oslo 3, Norway.

South East Asian Mathematical Society
Lim Chong Keang, President, SEAMS, Dept of Mathematics, University of Malaya, Kuala Lumpur, Malaysia.

Svenska Matematikersamfundet
Secretary, Matematiska Institutionen, Umea Universitet, S901 87 Umea, Sweden.

Wiskundig Genootschap
Secretary, Dept of Mathematics and Informatics, University of Technology, PO Box 356, 2600 AJ Delft, The Netherlands.

* Apply to the Administrator at the LMS Office.

University of Bath, School of Mathematical Sciences An M.Sc. programme in Nonlinear Mathematics

The course is supported by SERC studentships.

In Research and Industry there is an ever-growing demand for mathematicians with knowledge of nonlinear theories. This programme will cater for students from a wide range of backgrounds and aims to equip them for modern nonlinear research in Mathematics, Science and Technology.

Among the courses offered are:

Applied Nonlinear Analysis
Convex Analysis and Variational Principles
Nonlinear Elasticity and Phase Transitions
Mathematical Biology
Dynamical Systems: Stability and Control

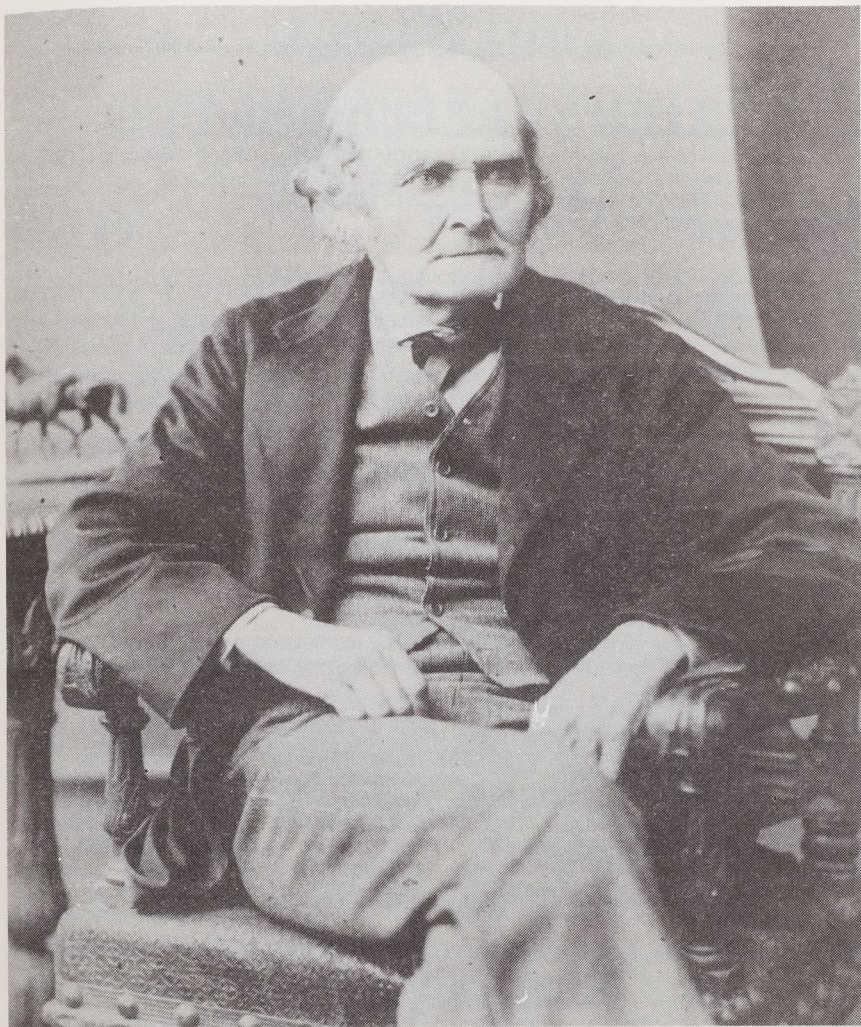
Nonlinear Analysis of Composite Materials
Topics in Nonlinear Elastostatics
Geometry and Modern Physics
Reaction-Diffusion Equations
Symmetry and the Maximum Principle

Numerical Solution of Nonlinear Boundary-Value Problems
Numerical Methods for Bifurcation Problems
Analytical Problems in Elastostatics
Non-smooth Analysis and Optimal Control Theory

In addition to the coursework, students will prepare a dissertation.

This course is also offered on a part-time basis to students from Industry.

**Get all details from
Professor J F Toland or Professor J R Willis
School of Mathematical Sciences
University of Bath, Bath, Avon BA2 7AY
Telephone (0225) 826188 or (0225) 826241**



Arthur Cayley (1821-1895), the leading English mathematician of his century, graduated senior wrangler from Cambridge in 1842 and became a fellow of Trinity. For want of a permanent position he became a barrister and wrote nearly 300 papers at the bar before he became a professor at Cambridge in 1863, where he remained until his death. Cayley wrote extensively on the theory of invariants; some of this work was used by Klein to explain non-Euclidean geometry, although Cayley refused all his life to accept that space could be non-Euclidean. Thinking perhaps of Cayley's work in projective geometry Clerk Maxwell said of him "Whose soul too large for vulgar space, in n dimensions flourished". He was an originator of the theory of matrices, and a pioneer of abstract group theory. Helped by his gift of languages he wrote many survey papers for his English audience. Although he did not acquire a school of students he was generous in assisting others, and the 11 volumes of his collected papers are in that sense incomplete. He was the third President of the London Mathematical Society from 1868-70 and was awarded the first De Morgan Medal in 1884.

DIARY

The diary lists Society meetings and other events publicised in previous issues of the Newsletter.

1988

MARCH

- 10-11 Matrix Theory and its Applications, Ireland (145)
- 14-18 Second International Conference on Hyperbolic Problems, Federal Republic of Germany (138)
- 18 LMS Meeting, London
- 25-28 In Search of Excellence, Oxford (147)

APRIL

- 11-15 British Theoretical Mechanics Colloquium, London (146)
- 11-15 British Mathematical Colloquium, Exeter (145)
- 27-5 May Number Theory and Applications, Canada (147)

MAY

- 19-20 LMS Meeting, Cardiff
- 26-28 Groups in Galway 88, Ireland (147)
- 31-4 June Numerical Methods, Singapore (147)

JUNE

- 6-24 Seminaire de Mathematiques Superieures, Canada (146)
- 17 LMS Meeting, London
- 20-24 Bail V Conference, China (141)
- 30-10 July Dynamical Systems, LMS Durham Symposia, Durham (145)

JULY

- 1 LMS Evening of Popular Lectures, London
- 3-7 British Combinatorial Conference, East Anglia (146)
- 5-8 Theory of Ordinary and Partial Differential Equations, Dundee (144)
- 5-15 Spinors, Twistors and Complex Structure in General Relativity, LMS Durham Symposia, Durham (145)
- 11 LMS Evening of Popular Lectures, Liverpool
- 13-20 1988 St Andrews Colloquium (138 & 145)
- 17-27 IXth Congress of the International Association of Mathematical Physics, Swansea (138)
- 18-28 Model theory and groups, LMS Durham Symposia, Durham (145)
- 24-30 Radicals - Theory and Applications, Japan (143)
- 25-30 Computational and Applied Mathematics, Belgium (142)
- 27-3 Aug ICME-6 1988, Hungary (144)

AUGUST

- 21-27 International Conference on General Algebra, Austria (145)

SEPTEMBER

- 16-19 Physical Interpretation of Relativity Theory, London (143)
- 19-23 International Colloquium on Differential Geometry, Spain (146)
- 25-30 René Thom - International Symposium, France (147)

OCTOBER

- 19-20 Fractals in the Natural Sciences, The Royal Society, London (144)
- 21 LMS Meeting, London

NOVEMBER

- 18 LMS Annual General Meeting, London

DECEMBER

- 8-9 Physics and Mathematics of Strings, The Royal Society, London (144)

For further information, refer to the figure in brackets, which is a cross reference to the LMS Newsletter Number.

FAX NUMBER

The fax number of the London Mathematical Society office is :
01-439 4629