THE LONDON MATHEMATICAL SOCIETY NEWSLETTER

No. 155 November 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 November 1988, Royal Society Annual General Meeting (E.C. Zeeman, V.I. Arnol'd)

Friday 20 January 1989, Burlington House

Friday 17 February 1989, Warwick

Friday 17 March 1989, Scientific Societies Lecture Theatre

Thursday, Friday 18-19 May 1989, Liverpool

Representations of Algebras

Friday 16 June 1989, Burlington House

Friday 20 October 1989, Burlington House

Friday 17 November 1989, Royal Society

PROFESSOR SIR MICHAEL ATIYAH'S 60th BIRTHDAY

On the 21st and 22nd April 1989 a meeting will be held in Oxford in honour of the 60th birthday of Professor Sir Michael Atiyah. There will be about seven talks by leading mathematicians on a variety of subjects reflecting Professor Atiyah’s interests.

INTERNATIONAL MATHEMATICAL INSTITUTE, LENINGRAD

It has been announced that an International Mathematical Institute is to be established in Leningrad by the Academy of Sciences of the U.S.S.R. with Academician L.D. Fadeev as its Director. The Institute, which will be located on the banks of the River Neva in a fine old building which is presently being completely refurbished, will commence operations on 1st January 1990.

The work of the Institute will be based on a year of three trimesters, in each of which its activities will focus on a particular field of mathematics, selected by the Institute's International Council. During this time, some 15 to 20 overseas mathematicians will be invited to visit the Institute, for periods of one to three months, with a further 10 to 15 mathematicians from the U.S.S.R. outside of Leningrad visiting the Institute during the trimester.

Each trimester will end with a major international conference in the field of activity, to which around 50 participants from outside of the U.S.S.R. will be invited.

For more details please write to the organisers, Simon Donaldson and Graeme Segal, at the Mathematical Institute, 24 — 26 St Giles, Oxford OX1 3LB.
Russian Mathematical Surveys, which started in 1960, is a translation of 'Uspekhi Matematiches-

kikh Nauk', the leading journal in the U.S.S.R. that publish various branches of Pure

Mathematics, Mechanics, and Statistics. In addition to the survey articles it includes Biographical

articles and the two-page Communications of the Moscow Mathematical Society.

The Journal is published six times a year, shortly after the publication of the corresponding issues of 'Uspekhi'. The subscription rates for 1989 are:

£148 in United Kingdom
£222 outside United Kingdom.

These rates include all six issues of Volume 44 (1989); rates for single issues are available on request.

For further information on the journal and details of how to take out a subscription (for yourself or for your library) please contact Susan Oakes at the LMS office.

D.A. Brannan
Publications Secretary

THE 1989 HARDY LECTURER

LMS Council is pleased to announce that Professor V.F.R. Jones has accepted its invitation to be the 1989 Hardy Lecturer. Vaughan Jones obtained the B.Sc. degree from the University of Auckland in 1972 and the degree of Docteur es Sciences in 1979 from the Ecole de Mathemati-
ques, Geneve, Switzerland. Since 1985 he has been Professor of Mathematics at the University of California, Berkeley. In 1983 he was an Alfred P. Sloan Research Fellow and he held a Guggenheim Fellowship in 1986.

Professor Jones will be visiting the U.K. for four weeks from 24 May 1989 and will give about twelve lectures including the 1989 Hardy Lecture to the Society in London on Friday 16 June. He would be prepared to lecture on the following topics:

- Type II factors
- Knot polynomials
- Index for subfactors
- Statistical mechanics and knot theory
- Hecke algebras and generalizations related to link invariants
- Braid group representations in quantum physics

Institutions that wish to invite Professor Jones to give a lecture should write to the Meetings and Membership Secretary, A.R. Pears, Department of Mathematics, King's College, Strand, London WC2R 2LS by 31 December 1988. It is expected that many more invitations will be received than can be accepted and neighbouring institutions are strongly encouraged to submit joint invitations. The itinerary and lecture titles at each venue will be decided by Programme Committee in consultation with Professor Jones and the host institutions.

25th AUSTRALIAN APPLIED MATHEMATICS CONFERENCE

The Applied Mathematics Conference is an annual gathering of applied mathematicians, engineers and scientists working in all areas of Applied Mathematics. It is organised by the Divi-

sion of Applied Mathematics of the Australian Mathematics Society and its objective is to provide a forum for the presentation and discussion of papers from a broad spectrum of applications. Traditionally it has maintained an informal atmosphere, with graduate students being especially encouraged to attend and participate.

The 1989 conference will be held on 5th to 9th February 1989 at the Ballarat College of Advanced Education, which is located 8km from the centre of Ballarat, 100km from Melbourne.

Major themes and invited speakers for the conference are: Computing in Applied Mathematics, Knot polynomials
- Mathematics in Engineering, D.B. Ingham (Leeds); General Relativity, R.P. Kerr (Canterbury); Geophysical Fluid Dynamics, P.H. Roberts (UCLA); Nonlinear Waves, G.B. Whitham (Caltech).

Contributed papers are welcome on any topic in Applied Mathematics, abstracts of which must be submitted by mid December 1988. No conference proceedings will be published but a book of ab-

stracts will be distributed at the time of the conference. A poster session will also be held.

For further information contact: The Conference Secretary, 25th Australian Applied Mathematics Conference, Department of Mathematics, Monash University, Clayton 3168, Victoria, Australia. Tele-

phone (03) 565 4443. Electronic mail apm388p@monul.oz.au.

JOINT MEETING WITH THE AMS IN 1992

LMS Council is pleased to announce that the American Mathematical Society and the London Mathematical Society have agreed to hold a joint meeting in Cambridge, U.K., from Monday 29th


A.R. Pears
Meetings and Membership Secretary
LONDON MATHEMATICAL SOCIETY

Annual General Meeting
Friday 18 November 1988 at 3.00

Professor V.I. Arnol’d
will speak at 3.10 on
Singularities and Bifurcations in
Mathematics and Physics

Professor E.C. Zeeman
will give his Presidential Address at 5.00
On the Classification of Dynamical
Systems

Tea will be served at 4.10

The meeting is at the Royal Society,
Wellcome Lecture Hall, 6 Carlton House Terrace,
London SW1

The Annual Dinner will be at the Royal Society
All interested are very welcome

PLEASE NOTE EARLY START AT 3.00 pm AND VENUE
APPROXIMATION THEORY AND NUMERICAL LINEAR ALGEBRA
PROFESSOR RICHARD S. VARGA'S 60th BIRTHDAY

The Department of Mathematical Sciences and
the Institute for Computational Mathematics at
Kent State University will host a conference on the
subjects of Approximation Theory and Numerical
Linear Algebra to be held at Kent State University
(Kent, Ohio, USA) on March 30, 31 and April 1,
1989. The meeting is in honour of Professor Ri-
chard S. Varga, who has been a University Pro-
fessor at Kent State since 1970 and Director of the
Institute for Computational Mathematics since
1980, on the occasion of his 60th birthday.

The Conference will consist of 15 invited 1-hour
addresses, 6 solicited 20-minute talks, and 8
contributed 15-minute papers. The Conference is
international in nature, with 9 of the current list of
21 invited participants coming from outside of the
continental United States, and it bears the endor-
sement of the International Mathematical Union.
The proceedings of the conference will be publ-
ished in Numerische Mathematik.

The Meeting is open to all who wish to attend.
For further information contact Professor E.C.
Gartland, Jr, Department of Mathematical
Sciences, Kent State University, Kent, OH 44242,
USA. Electronic mail: GARTLAND@KENT.EDU or
EGARTLAN@KENTVM.BITNET.

SINGAPORE PROBABILITY CONFERENCE

The Singapore Probability Conference will be
held at the National University of Singapore on 8th
to 16th June 1989. It will comprise a workshop (8
— 10 June 1989) and a conference (12 — 16 June
1989). Invited speakers will give lectures on a wide
range of topics on probability theory. Contributed
paper sessions will also be arranged. Abstracts for
contributed papers will be required by the end of
March 1989. The proceedings of the Conference
consisting of the invited and workshop lectures will
be published.

All interested are welcome to participate. Further
information and registration forms can be obtained
from Dr Jiann-Hua Lou, Organizing Secretary,
Singapore Probability Conference, Department of
Mathematics, National University of Singapore,
Lower Kent Ridge Road, Singapore 0511,
Republic of Singapore. Electronic Address: MAT-
LOUJH@NUSVM.BITNET.

The Conference is being organized jointly by the
Department of Mathematics of the National Uni-
versity of Singapore and the Singapore Mathema-
tical Society, and is sponsored by the Southeast
Asian Mathematical Society.

UNIVERSITY COLLEGE OF
SWANSEA

Lecturer in Mathematics

Applications are invited for a lecturer Grade A in the
Department of Mathematics and Computer Science. Prefe-
rence will be given to candidates working on Operator Al-
gebras and Applications/Mathematical Physics. Strong can-
didates in all fields are, however, encouraged to apply.

The salary will be either on the Grade A scale £9260 —
£14500 per annum, or on the Grade B scale £15105 —
£19310 per annum, depending on age and experience, to-
gether with USS/USDPS benefits, if required.

Further particulars and application forms (2 copies) may be
obtained from the Personnel Office, University College of
Swansea, Singleton Park, Swansea SA3 8PP, to which office
they should be returned by November 30, 1988.
The University invites applications for the Chair in Applied Mathematics, which will become available on 1 October 1989.

Candidates should have a proven record of distinction in some application of mathematics. Both traditional and newer areas of application are appropriate. It is intended that the Professor will be able to interact successfully with members of the Mathematics Department and with others both within and outwith the University. There is considerable potential for interaction within the University in view of the acknowledged strength of the University’s research across a broad spectrum of subjects. The Professor would be expected to provide a general leadership role within the Mathematics Department.

Further particulars of the position and the Department’s activity can be obtained by writing to the Secretary to the University (address below) or by contacting the Head of the Mathematics Department, telephone 031-667 1081 ext 2942.

Applications (10 copies) should include a Curriculum Vitae and the names of at least three referees; they should reach The Secretary, University of Edinburgh, 63 South Bridge, Edinburgh EH1 1LS, by 15 December 1988. Please quote reference 56/88.
MATHEMATICIANS VISITING THE UK 1988-89

Bath University
Professor C.J. Amick (University of Chicago, U.S.A.) Differential Equations, 1 Sep 88 — 31 Dec 88
Professor C.A. Stuart (EPF Lausanne, Switzerland) Differential Equations, 1 Apr 89 — 1 Aug 89
Professor H. Massam (York University, Canada) Exponential families Optimization and Statistics, 1 Sep 88 — 30 Jun 89
Professor Iain M. Johnstone (Stanford University, U.S.A.) Statistics, Sept 88 — Feb 89

Cambridge University — DAMTP
Dr J. Anandan (University College Berkeley, U.S.A.) Relativity
Dr A. Andraei (Ruder Boskovic Institute, Zagreb, Yugoslavia) High Energy Physics, 4 Oct 88 — 2 Dec 88
Professor J. Azcarraga (University de Valencia, Spain) High Energy Physics, 4 Oct 88 — 9 Jun 89
Dr E. Bagard (Spain) High Energy Physics, 4 Oct 88 — 9 Jun 89
Mr T.F. Brandt (I. de F. University de S. Paulo, Brazil) High Energy Physics, 4 Oct 88 — 2 Dec 88
Professor H.G. Davies (University of New Brunswick, Canada) Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Professor J. Hamilton (Retired, Cambridge and Copenhagen) High Energy Physics, 4 Oct 88 — 9 Jun 89
Professor J.B. Hartle (University College Santa Barbara, U.S.A.) Relativity, 17 Jan 89 — 9 Jun 89
Professor K.S. Havner (N. Carolina State University, U.S.A.) Solid Mechanics, 17 Jan 89 — 9 Jun 89
Professor J.B. Keller (University of Stanford, Cal. U.S.A.) Fluid Dynamics, 4 Oct 88 — 2 Dec 88
Dr T. Koyaguchi (Ehime University, Japan) Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Dr N.H. Kyong (Korean Institute of Energy and Resources) Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Dr H. Liu (Wuhan University, China) Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Dr C.P. Martin (Madrid, Spain) High Energy Physics, 4 Oct 88 — 9 Jun 89
Dr B. Moore (University of Technology, Sydney, Australia) Geophysical Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Dr B. Moore (University of Technology, Sydney, Australia) Theoretical Seismology, 17 Jan 89 — 9 Jun 89
Dr E. Ramos-Mora (Lab. de Energia Solar, Mexico) Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Ms M. Rodriguez Plaza (University of Madrid, Spain) Relativity, 4 Oct 88 — 9 Jun 89
Professor S.S. Sadhal (University of Southern California, U.S.A.) Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Dr Y. Sakai (Nagoya University, Japan) Fluid Dynamics, 18 Apr 89 — 9 Jun 89

Professor S.B. Savage (McGill University, Canada) Fluid Dynamics, 17 Jan 89 — 17 Mar 89
Dr A. Sneyd (University of Waikato, New Zealand) Fluid Dynamics, 4 Oct 88 — 2 Dec 88
Mr T. Steel (University of Western Ontario, Canada) High Energy Physics, 4 Oct 88 — 9 Jun 89
Dr H. Stone (Dept. of Engineering Caltech, U.S.A.) Fluid Dynamics, 4 Oct 88 — 9 Jun 89
Dr P.C. Waylen (University of Canterbury, New Zealand) Relativity, 4 Oct 88 — 9 Jun 89

City University
M. Luo (Sichuan University, P.R. China) Fuzzy Topology, 1 Oct 88 — 30 Sep 89
C. Yu (China Institute of Mining, Jiansu, P.R. China) Fuzzy Topology 1 Oct 88 — 30 Sep 89

Durham University
Professor R. Sasaki (Hiroshima University, Japan) Integrable Systems, Sep 88 — Sep 89
Dr M. Farber (Tel Aviv University, Israel) Knot Theory, Jan 89 — Mar 89
Dr J.A. Hillman (Macquarie University, Australia) Knot Theory Jan 89 — Mar 89
Professor Y. Frishman (Weizmann Institute Rehovot, Israel) Quantum Field Theory, Jan 89 — Mar 89
Professor N. Schappacher (Max-Planck-Institute für Mathematik, Bonn, Germany) Arithmetic, Algebraic, Geometry, Oct 88 — Nov 88
Dr L. Palla (Institute of Theoretical Physics Eötvös University, Budapest, Hungary) Theory of Strings Superstrings, Jan 89 — Dec 89

Edinburgh University
Professor Richard J. Fleming (Central Michigan University, U.S.A.) Functional Analysis, 22 Aug 88 — 31 Dec 88
Professor James E. Jamison (Memphis State University, U.S.A.) Functional Analysis 22 Aug 88 — 31 Dec 88
Professors Ana & Jorge Viola—Prioli (University of São Paulo, Brazil) Algebra, 8 Aug 88 — 30 Sep 89

Essex University
Dr M.R. Burke (University of Toronto, Canada) Measure Theory, Sep 88 — June 89

Exeter University
Dr P. Blennerhassett (University of New South Wales, Australia) Fluid Dynamics, 1 Jan 89 — 31 Dec 89
Professor B. Ososky (Rutgers University, U.S.A.) Algebra, Lent Term 89

Imperial College
Professor J.H.H. Chalk (Toronto, Canada) Pure 1 Sep 88 — 31 Aug 89
Professor J. Juritz (Cape Town, South Africa) Statistics 1 Jan 88 — 31 Dec 88
Professor Y. Kahramaner (ANKARA) Pure, 1 Oct 88 — 31 Dec 88
Dr T. Miyazaki (Japanese Envir Agency) Applied Dr S. de Pinho (Brazil) Statistics, 1 Apr 88 — 31 Mar 89
Professor A.D. Pollington (Bigham Young, U.S.A.) Pure 1 Jul 88 — 30 Jun 89
Dr D. Pullin (Queensland) Applied, 1 Dec 88 — 31 Jan 89
Professor P. Rabinowitz (Weizmann Institute, Israel) Pure, 1 Dec 88 — 30 Jan 89
Professor R.D. Russell (Vancouver) Applied, 1 Aug 88 — 31 Jul 89
Dr S. Sigurdsson (Iceland) Applied, 1 Sep 88 — 31 Aug 89

Kent University
Miss T. Diogo (New University of Lisbon, Portugal) Numerical Analysis, Oct 88 — Jul 89

Leeds University
Professor M.P. Thomas (California State University, U.S.A.) Banach Algebras, 1 Feb 89 — 31 Jul 89
Professor S. Grabiner (Pomona College, Claremont, U.S.A.) Banach Algebras, 1 Feb 89 — 31 Jul 89

Liverpool University
Professor M.E. Kidwell (U.S. Naval Academy, Maryland, U.S.A.) Low Dimensional Topology, 1 Sep 88 — 30 Jun 89

Queen Mary College
Professor Sarmento (University, Mexico) Astronomy, Oct 88 — Sep 89
Professor Chitre (Tata Institute) Astronomy, Easter 89
Professor Tavare (Utah) Statistics, Aug 88 — Dec 88
Dr Kennedy (University Otago) Relativity, Oct 88 — Jan 89
Dr M. de Maia (University Brasilia) Relativity, Oct 88 — Dec 88
Professor Manko (Moscow) Relativity, Oct 88 — Jun 89
Professor Sidlichovsky (Czech. Academy Science) Astronomy, Oct 88 — Mar 89
Dr Marchio (University Siena) Analysis, Oct 88 — Dec 88
Dr Pasini (University Siena) Algebra, Oct 88 — Dec 88
Dr Wong Peng Choon (University Malaya) Group Theory, Nov 88 — Aug 89
Professor Cuperman (Tel Aviv University) Astronomy, Dec 88 — Feb 89

Reading University
Professor P. de Lucia (University of Naples) Functional Analysis, Oct 88 — Oct 89
Professor Anna Bruna D’Andrea (University of Naples) Functional Analysis, Oct 88 — Oct 89
Dr Yusif Al-Khamees (King Saud University, Riyadh, Saudi Arabia) Finite Ring Theory, Oct 88 — Feb 89
Professor Peter D. Johnson (Auburn University, Alabama, U.S.A.) Discrete Maths, Sep 88 — Mar 89

Southampton University
Professor E. Molina (Simon Bolivar University, Venezuela) Statistics, Sep 88 — Aug 89
Professor Z. Li (North West Teachers University, China) Partial Differential Equations, Oct 88 — Aug 89
Professor L. Yixun (Zhengzhou University, China) Integer Programming Discrete Optimization, Oct 88 — Oct 89
Dr P. Donelan (Victoria University, New Zealand) Singularity Theory, Jun 88 — Feb 89
Dr H-S Shin (Kangcheon National University, Korea) Mathematics Education, Jan 89 — Dec 89
Ms M. Clark (Victoria University, New Zealand) Mathematics Education, Jun 88 — Feb 89

St Andrews University
Dr G. Reddy (Osmania University, India) Polynomial Operators, Oct 88 — Mar 89

Strathclyde University
Professor R.E. Kleinman (University of Delaware, U.S.A.) Classical Scattering Integral Equations, Feb 89
Professor S. Kowalski, (IPPT-PAN, Poznan, Poland) Continuum Mechanics, Jun 89
Professor R. Leis (University of Bonn, West Germany) Scattering Theory Hyperbolic Systems, Mar 89

Sussex University
Mr G. Niblo (Ann Arbor, Michigan, U.S.A.) Algebra/Topology, Sep 88 — Sep 90
Professor W. Okrasinski (Wroclaw, Poland) Continuum Mechanics, Jan 89
Professor H. Triebel (Jena, East Germany) Analysis, Jun 89 — Aug 89

THE FRONTIERS OF SCIENCE

From 8th to 10th December 1988, there will be a scientific seminar in Moscow called 'The Frontiers of Science'. This will be the sixth in a series of international conferences under the auspices of scientific colleagues who are excluded from science. The organising committee will be Mark Berenfeld, Yuri Chernyak, Eduard Nadgorny and Igor Uspensky.

For further information, please contact Joan Dale at Scientists for the Release of Soviet Refuseniks, 33 Seymour Place, London W1H 6AT. Telephone 01-723 5874.
Model Theory and Modules
M. PREST

The theme of this book is the interplay between model theory and the theory of modules. Both algebraists and logicians will enjoy this account of an area in which their disciplines interact in a significant way.

London Mathematical Society Lecture Note Series 130
380 pp. 1988 0 521 34833 1 Pb £22.50 net

Algebraic, Extremal and Metric Combinatorics 1986
M-M. DEZA, P. FRANKL and I. G. ROSENBERG

This represents a comprehensive overview of the present state of progress in three related areas of combinatorics. All the papers contain new results and the topics covered include association schemes, extremal problems, combinatorial geometrics and matroids, and designs.

London Mathematical Society Lecture Note Series 131
254 pp. 1988 0 521 35923 6 £20.00 net

Whitehead Groups of Finite Groups
ROBERT OLIVER

Making accessible techniques for studying Whitehead groups of finite groups, this book also includes a variety of related topics such as induction theory and p-adic logarithms. The author has included a thorough introduction for non-specialists who want an overview of this field, its history and its applications.

London Mathematical Society Lecture Note Series 132
349 pp. 1988 0 521 33646 5 Pb £19.50 net

Linear Algebraic Monoids
M. S. PUTCHA

This book is a self-contained introduction to the new and emerging field of linear algebraic monoids which represents a synthesis of ideas from the theory of algebraic groups, algebraic geometry, matrix theory and abstract semigroup theory.

London Mathematical Society Lecture Note Series 133
181 pp. 1988 0 521 35809 4 £15.00 net

For further information on all Cambridge Mathematics titles please write to Tom Woodruffe-Peacock at the address below. LMS members are entitled to a 25% discount on LMS series titles – please send payment with your order to the Customer Services Department quoting Account Number 089 4900 001.

Cambridge University Press
The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU
An Introduction to Hilbert Space
N. YOUNG

This textbook is an introduction to the theory of Hilbert space and its applications. It has numerous examples and exercises, many with solutions, and it is an excellent first course at undergraduate or graduate level. It will also be of value to electrical engineers and physicists involved in control theory and filter design.

256 pp. 1988 0 521 33071 8 Hc £30.00 net
0 521 33717 8 Pb £9.95 net

Now in paperback

Introduction to Higher-Order Categorical Logic
J. LAMBEK and P. J. SCOTT

This book reconciles the two different viewpoints of mathematical logic and category theory and is well suited for graduate courses and researchers in mathematics and logic. It is also an accessible introduction to the subject for theoretical computer scientists and mathematical linguists.

Cambridge Studies in Advanced Mathematics 7
304 pp. 1988 0 521 35653 9 Pb £12.50 net

Automorphisms of Surfaces After Nielson and Thurston
A. CASSON and S. BLEILER

This is a clear introduction to the application of hyperbolic geometry to low-dimensional topology, requiring the reader to have only an understanding of basic topology and linear algebra. In particular it provides a concise exposition of the work of Nielson and Thurston on the automorphisms of surfaces.

London Mathematical Society Student Texts 9
104 pp. 1988 0 521 34203 1 Hc £20.00 net
0 521 34985 0 Pb £7.50 net

New Directions in Dynamical Systems
Edited by T. BEDFORD and J. SWIFT

This book comprises a collection of survey articles that review the state of progress in several different areas of research within dynamical systems.

Contributors: T. BEDFORD, P. GLENDINNING, P. HOLMES, N. LLOYD, D. RAND, I. STEWART, J. SWIFT, S. VAN STRIEN.

London Mathematical Society Lecture Note Series 127
304 pp. 1988 0 521 34880 3 Pb £17.50 net

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Olaus Magnus Henrici (1840-1918) was originally an engineering apprentice in Germany until Clebsch recognised his talents and persuaded Hesse to take him on as a Ph.D student. Lack of money brought him to England in 1865. In 1869 Hesse introduced him to Sylvester; through him he met Hirst who helped him become Professor of Mathematics at Bedford College. He is best remembered as a teacher, although non-Euclidean geometry always caused him problems. At Bedford he introduced graphical statics (an application of projective geometry) and at the Central Technical College he introduced a Laboratory of Mechanics and, most importantly, a Harmonic Analyser. An FRS in 1874, he was the Society's tenth President, from 1882-1884.
### DIARY

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

#### 1988

**NOVEMBER**
- **18** LMS Annual General Meeting, London
- **21–16 Dec** Global Geometric and Topological Methods in Analysis, Italy (152)

**DECEMBER**
- **8–9** Physics and Mathematics of Strings, The Royal Society, London (144)
- **10–12** Third Annual Meeting of European Women in Mathematics, Warwick (154)
- **13–15** Singularity Theory and Applications, Warwick (153)
- **16** What Mathematics for Computer Scientists?, Manchester (153 & 154)

#### 1989

**JANUARY**
- **9–27** Theoretical Fluid Mechanics and Applications, Italy (152)

**APRIL**
- **3–7** British Mathematical Colloquium, Nottingham
- **17–21** Algebraic and Analytic Geometry Aspects of Singularity Theory, Warwick (153)
- **17–28** Hyperbolic Geometry and Ergodic Theory, Italy (152)

**MAY**
- **23–27** Computing and Information, Canada (153)

**JUNE**
- **12–17** Geometry of Banach Spaces, Austria (154)
- **14–16** Nonlinear Control Systems Design, Italy (150)

**JULY**
- **3–7** British Combinatorial Conference, East Anglia (146)
- **10–14** Dynamics, Bifurcations and Singularity Theory, Warwick (153)
- **10–14** Combinatorial Mathematics and Computing, Australia (152)
- **27–29** Cauchy and the French Mathematical World, France (152)

**AUGUST**
- **13–19** Differential Equations and Applications, Bulgaria (148)
- **28–8 Sept** Variational Problems in Analysis, Italy (152)

**DECEMBER**
- **6–8** Category Theory and Computer Science, Manchester (154)

#### 1990

**AUGUST**
- **21–29** International Congress of Mathematicians 1990, Japan (151)

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