# 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.

For more details please write to the organisers, Simon Donaldson and Graeme Segal, at the Mathematical Institute, 24 — 29 St Giles, Oxford OX1 3LB.

## 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.

## RUSSIAN MATHEMATICAL SURVEYS

Russian Mathematical Surveys, which started in 1960, is a translation of 'Uspekhi Matematicheskikh Nauk', the leading journal in the U.S.S.R. that publishes surveys of 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 Mathematiques, 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
Index for subfactors
Knot polynomials
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 Division 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, R.A. Gingold (ANU); 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 abstracts 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. Telephone (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 June to Wednesday 1st July 1992. More details will appear in subsequent issues of the Newsletter.

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 Richard S. Varga, who has been a University Professor 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 endorsement of the International Mathematical Union. The proceedings of the conference will be published 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: MATLOUJH@NUSVM.BITNET.

The Conference is being organized jointly by the Department of Mathematics of the National University of Singapore and the Singapore Mathematical 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. Preference will be given to candidates working on Operator Algebras and Applications/Mathematical Physics. Strong candidates 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, together 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.**

# UNIVERSITY OF EDINBURGH

## CHAIR IN APPLIED MATHEMATICS

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. Andrasi (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. Bagan (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 Inst. of Energy and Resources) Fluid Dynamics, 4 Oct 88 — 9 Jun 89

Dr H. Liu (Wulham 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) 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 (Universidad Simon Bolivar Caracas, Venezuela) 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. Osofsky (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 — 25 Jan 89
Professor P. Rabinowtiz (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 Sarmiento (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 (Kangweon 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) Analysis, 20 Sep 88 — 11 Dec 88
Mr J. Sun (Inner Mongolia, P.R. China) Analysis, Sep 88 — Sep 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.

# CAMBRIDGE

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## 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 Mathematic 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*
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## 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.

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*349 pp. 1988 0 521 33646 5* **Pb £19.50 net**

## Linear Algebraic Monoids

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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.

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*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

# CAMBRIDGE

## 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.

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## Introduction to Higher-Order Categorical Logic

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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.

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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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# Department of Mathematical Sciences

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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.

**LONDON MATHEMATICAL SOCIETY**
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Fax : **01-439 4629**

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