

THE LONDON MATHEMATICAL SOCIETY NEWSLETTER

No. 215

April 1994

FORTHCOMING SOCIETY MEETINGS

Friday, Saturday, 13-14 May 1994, Leeds
Ring Theory and Representation Theory

Friday 17 June 1994, Burlington House
B.J. Birch, J. Eells

Friday 21 October 1994, Burlington House
Mathematical Biology
A. Fowler, V. Isham
T. Pedley, D. Rand

Friday 18 November 1994, Burlington House

THE 1995 NAYLOR PRIZE AND LECTURESHIP IN APPLIED MATHEMATICS

In connection with the award of the 1995 Naylor Prize and Lectureship in Applied Mathematics, the Council of the Society has appointed J. R. Ringrose, R. A. Bailey, N. J. Hitchin, R. S. MacKay and J. T. Stuart to a Naylor Prize Committee.

The Council invites members of the Society to submit their views on possible candidates for the award of the Naylor Prize confidentially in writing to any member of the Naylor Prize Committee by 1 June 1994. Nominations should contain explicit reference to the grounds on which the nomination is based, and should be accompanied by a brief curriculum vitae, a list of publications, and a brief supporting case. Council reserves the right not to make an award in the event that no candidate of sufficient merit is recommended by the Naylor Prize Committee.

The Naylor Prize and Lectureship is awarded in recognition of work in, and influence on, and contributions to ap-

plied mathematics and/or the applications of mathematics, and lecturing gifts; the regulations require that it shall be awarded to a mathematician who on 1 January 1995 is normally resident in the United Kingdom of Great Britain and Northern Ireland.

No person may be awarded the Naylor Prize within twelve months of being awarded the De Morgan Medal, the Polya Prize, the Senior Berwick Prize or the Senior Whitehead Prize. No person may be awarded the Naylor Prize more than once, and the President of the Society and the members of the present Naylor Prize Committee are ineligible for the award of the 1995 Naylor Prize. The detailed regulations and procedure for the award of the Naylor Prize can be obtained from the Administrator, London Mathematical Society, Burlington House, Piccadilly, London W1V 0NL.

R.Y. Sharp
Council and General Secretary

STATMECH - 10

The "One-Day Conference in Statistical Mechanics - Statmech-10", to be held at King's College London on 26 May 1994, will be similar in format to previous meetings of the series and will consist of short contributed talks, of about 20 minutes duration, together with two invited lectures, which this year will be given by J. Cardy (Oxford) and C. Gruber (Lausanne). There is a registration fee of

£5 for this meeting. The deadline for those wishing to contribute a talk is 20 April (title only required). The organisers are grateful for financial support for this conference from the London Mathematical Society Conference Fund. For further details contact: D.A. Lavis, Mathematics Department, King's College, Strand, London WC2R 2LS (tel: 071-873-2240/2217; e-mail: maths@kcl.ac.uk).

VISIT OF PROFESSOR A. ADEM

Professor A. Adem of the University of Wisconsin at Madison (currently visiting the ETH at Zürich) will visit the United Kingdom in late April and early May 1994, supported by a Scheme 2 grant from the London Mathematical Society. He will give the following lectures: "Grothendieck Rings and Families of Finite Subgroups" at the University of Edinburgh on 29 April at 2.30 pm, Room 2C, Appleton Tower;

"The Geometry and Cohomology of Finite Simple Groups" at the University of Oxford on 2 May at 5.00 pm, Higman Room, Mathematical Institute; and "Characters, K-theory and Cohomology of Arithmetic Groups" at the University of Cambridge on 5 May at 2.30 pm in DPMMS, Mill Lane (room to be announced; contact C.B.Thomas).

VISIT OF PROFESSOR G. CARLSSON

Professor G. Carlsson (Stanford) will be visiting the United Kingdom supported by a Scheme 2 grant from the London Mathematical Society. He will give talks at the following times and places: Monday 9 May, "Some algebraic problems in geometric topology" 3.30 pm, Room 5215, James Clerk Maxwell Building, Edinburgh University; Tuesday 10 May, "New results

on the assembly map in algebraic K-theory" 4.30 pm, DPMMS, Cambridge University; Wednesday 11 May, "New results on the assembly map in algebraic K-theory" 3.00 pm, Mathematics Institute, Warwick University.

Please consult with the local organisers (Dr A. Ranicki, Dr C.B. Thomas and Dr B. Sanderson respectively) for further details.

VISIT OF PROFESSOR H. GLOVER

Professor Henry Glover of Ohio State University, Columbus, Ohio will be visiting the United Kingdom in May 1994, supported by a Scheme 2 grant from the London Mathematical Society. He will lecture on "Surface symmetry and periodic cohomology" at Queen Mary & Westfield College on 9 May at 4.30 pm; at

the University of Cambridge on 11 May at 2.30 pm in DPMMS, Mill Lane (room to be announced; contact C.B.Thomas); the University of Edinburgh on 13 May at 2.30 pm in Room 2C, Appleton Tower; and at the University of Oxford on 16 May at 5.00 pm in the Higman Room, Mathematical Institute.

VISIT OF PROFESSOR S.A. VAVILOV

Professor S.A. Vavilov will visit the University of Bath during 28 March - 1 April 1994. Professor Vavilov will give a talk on "Bifurcation Problems at

Resonance". The lecture will take place on Wednesday 30 March 1994, 2.15 pm, 6E2.2. The visit is supported by the London Mathematical Society.

LONDON MATHEMATICAL SOCIETY

TWO-DAY MEETING

Friday - Saturday 13-14 May 1994
University of Leeds

Ring Theory and Representation Theory

- | | | |
|----------|-------|---|
| Friday | 2.00 | Opening Session |
| | 2.05 | M. Artin (MIT) "Noncommutative projective geometry" |
| | 3.05 | Tea |
| | 3.45 | J.T. Stafford (Michigan) "Noncommutative curves" |
| | 4.45 | Break |
| | 5.00 | M.P. Holland (Sheffield) "Grothendieck groups of rings of invariants for linear actions of finite groups" |
| Saturday | 9.15 | L.W. Small (UCSD) "Affine rings and their representations" |
| | 10.15 | Coffee |
| | 10.45 | W.W. Crawley-Boevey (Oxford) "On general representations of quivers" |
| | 11.45 | Break |
| | 12.00 | C. Ringel (Bielefeld) "Towards a combinatorial description of module categories: the knitting and sewing of components" |

The lectures will be held in LT5 of the Roger Stevens Building of the University of Leeds (next to Mathematics).

All interested are very welcome

A dinner will be held at the Weetwood Hall Conference Centre on the evening of Friday 13 May at 7.30 pm. The cost of the dinner will be £16.50 per person, inclusive of wine. Those wishing to attend should inform Mrs A. Landford, Department of Pure Mathematics, University of Leeds, Leeds LS2 9JT, enclosing a cheque payable to "University of Leeds" to arrive by 7 May. A meeting of the participants in the EC Science Plan Twinning Group on "Invariants and Representations of Algebras" will coincide with this meeting, so there will be additional lectures on Friday morning/Saturday afternoon.

Enquiries may be addressed to R. Hart (e-mail PMT6RH@uk.ac.leeds) or J.C. McConnell (e-mail PMT6JCM@uk.ac.leeds) at the above address.

GROUPS IN GALWAY 1994

A conference on Group Theory will be held at University College Galway, Ireland, on 13th and 14th May 1994. Speakers will include R. Brown (Bangor), P. Fitzpatrick (Cork), R. Gow (Dublin), S. Pride (Glasgow), E. Robertson (St

Andrews) and C. Wensley (Bangor). Further information may be obtained from J. Burns or G. Ellis, University College Galway, Ireland (e-mail: matellis@bodkin.ucg.ie).

CENTRO INTERNAZIONALE MATEMATICO ESTIVO

The 1994 C.I.M.E. Sessions will be on "Recent Mathematical Methods in Non-linear Wave Propagation" (23-31 May 1994), "Dynamical Systems" (13-22 June 1994) and "Transcendental Methods in Algebraic Geometry" (4-12 July 1994). For

further information, contact Fondazione C.I.M.E., c/o Dipartimento di Matematica "U. Dini", V. le Morgagni, 67/A-50134 Firenze, Italy, tel +39 55 434975, Fax +39 55 422695.

NORTH BRITISH FUNCTIONAL ANALYSIS SEMINAR

A meeting of the North British Functional Analysis Seminar will be held at Edinburgh University from 2.30 pm on Friday 27th May to midday on Saturday 28th May 1994. The speakers will be Professor S. Treil (Michigan State University) and Dr T. Coulhon (Universiti de Gergy-Pontoise).

All interested are most welcome to attend. For further information contact Dr Gordon Blower, NBFAS Secretary, tel: 0524-65201 ext. 3962, fax: 0524-841710, e-mail: maa008@uk.ac.lancs.cent1, Department of Mathematics, University of Lancaster, Lancaster LA1 4YF.

SUMMER MEETING OF THE CANADIAN MATHEMATICAL SOCIETY

The Canadian Mathematical Society and the University of Alberta cordially invite mathematicians to the 1994 Summer Meeting of the Society. The entire programme will take place in the Central Academic Building of the University of Alberta in Edmonton, the capital of Alberta, from Saturday 11 June to Monday 13 June 1994.

The plenary speakers will be: Donald A. Dawson (Carleton University) "Stochastic partial differential equations and measure-valued processes" (The Jeffrey-Williams Lecture); Ronald A. DeVore (University of South Carolina) "Multivariate approximation theory: Where are we now?"; Nigel Higson (Pennsylvania State University) "C-algebras, K-theory,

and group representations"; Peter J. Olver (University of Minnesota) "Differential invariants"; Roger Palmer (Alberta Education) "The transition from high school to university"; Cheryl Praeger (University of Western Australia) "Block-transitive designs".

Symposia in four domains will take place: Multivariate Approximation Theory; The Uses of K-theory in Operator Algebras; Combinatorics; Differential Geometrical Aspects of PDEs. There will also be a Mathematics Education Session.

For further information, contact the CMS Executive Office, 577 King Edward, P.O. Box 450, Station A, Ottawa, Ontario, Canada K1N 6N5.

ONE-DAY FUNCTION THEORY MEETINGS SERIES

This year's meeting will be held on Monday 26 September in the Huxley Building, Imperial College, London. It is open to all who are interested. There are

no registration fees. Information may be obtained from the local organiser, Professor I.N. Baker, Mathematics Department, Imperial College, London SW7 2BZ.

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DEPARTMENTAL NEWS

Heriot-Watt University Carsten Carstensen (Hanover) has been appointed to an EC funded research fellowship, and Petr Plechac (Prague and Bath) has been

appointed to an SERC funded research fellowship. Both will be working on the computation of microstructure and the modelling of phase transitions.

LONDON MATHEMATICAL SOCIETY FORUM

At the British Mathematical Colloquium held in Cardiff in March, there was an evening Forum, chaired by the President of the London Mathematical Society, and concerned with the work undertaken by the Society as a service to the mathematical community. The basic questions raised were "How can the LMS best serve mathematics in the UK in the

middle and late 1990s? Are we getting it right?" In addition to the ideas put forward at the Forum, the Society would welcome subsequent written comments (from anyone at the Forum, or from any member of the Society); these should be addressed to the President, to reach the Society's office by 30 April 1994.

READING ONE-DAY COMBINATORICS COLLOQUIUM

There will be a One-Day Combinatorics Colloquium in the Mathematics Department at Reading University on Wednesday 18th May 1994. The programme will start at about 10 am and finish about 5.40 pm. There will be about 9 speakers; the following have already accepted an invitation to speak: Dr M.G.H. Anthony (LSE), Professor L.W. Beineke (Fort Wayne and

Oxford), Dr R. Hill (Salford University), Professor P. McMullen (University College, London) and Dr D. Woodall (Nottingham University).

All those interested are welcome to attend. The organizer, A.J.W. Hilton gratefully acknowledges financial support from the London Mathematical Society and the British Combinatorics Committee.

W.N. EVERITT SEVENTIETH BIRTHDAY MEETING

The University of Birmingham School of Mathematics and Statistics is holding a two-day meeting from Friday 15th to Saturday 16th July at Birmingham to celebrate Norrie Everitt's 70th birthday. The programme will consist of talks on recent developments in the areas covered by his long and distinguished career. The meeting is supported by the London

Mathematical Society and by the School of Mathematics and Statistics. It is open to all members of the Society. For further details contact A.H.M. Hoare, School of Mathematics and Statistics, University of Birmingham, Birmingham B15 2TT, tel. 021-414 6584 or send an e-mail request to J.Gunson@uk.ac.bham or B.Thorpe@uk.ac.bham.

NOEL J.S. HUGHES

Dr Noel J.S. Hughes, who was elected a member of the London Mathematical Society on 3 March 1951, died on 24 January 1994.

FREDERICK H. JACKSON

Dr Frederick H. Jackson, who was elected a member of the London Mathematical Society on 17 March 1949, died on 20 January 1994.

STEPHEN KLEENE

Stephen Kleene has recently died at the age of 85.

WILLIAM F. WREN

Mr William F. Wren, who was elected a member of the London Mathematical Society on 19 February 1982, died on 5 July 1993.

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CONFERENCE OF HEADS OF DEPARTMENTS OF MATHEMATICAL SCIENCES

CONSTITUTION

1. Terms of Reference

The Conference of Heads is committed to advancing educational opportunities in the Mathematical Sciences, and to ensuring the academic well-being of the disciplines of Mathematics, Statistics and Operational Research, as they are taught and developed within Higher Education. To further these aims the Conference shall:

- (i) act as a forum in Higher Education where matters affecting teaching, learning, and the pursuit of research and scholarship within Departments of Mathematical Sciences can be aired, and where the considered views of Heads on such matters can be expressed;
- (ii) work with learned societies, regional groupings and professional bodies to make these views known to government, funding agencies, and other bodies having a bearing on developments in the Mathematical Sciences;
- (iii) work closely with those representing the interests of schools, Further Education, employers and professions to ensure that the overall provision of learning opportunities on offer within Higher Education, in the Mathematical Sciences area, is in tune with the wider needs of society and the specific needs of the underpinning disciplines;
- (iv) promote quality and good practice within the teaching and learning of Mathematical Sciences.

2. Membership

Membership shall be open to all Heads of Mathematical Sciences in Higher Education, or their equivalent. The membership fee shall be determined by Conference from time to time and will reflect an institution's membership.

Attendance at meetings will not be restricted to Heads, but only a Head, or their delegate, will be eligible to vote. The list of voting members shall be fixed on an annual basis.

3. Meetings

The Conference of Heads shall meet at least once a year. The Annual Conference will include the Annual General Meeting. Special General Meetings, requested by the Committee or by at least 20% of the voting membership, may be called at any time. Members shall be informed by post at least 20 days before such meetings by the Secretary. A quorum of 20% of the voting membership shall be necessary for the passage of resolutions and the conduct of formal business at any General Meeting.

4. Officers

The Officers of the Conference shall be the Chair, the Vice-Chair, the Secretary and the Treasurer, all of whom shall be members.

5. The Committee

The Committee shall consist of the Officers, the immediate past Chair and six elected members who shall all be members of the Conference. In addition, and for the purposes of establishing a geographical spread of Committee members and links with other key groupings, the Committee may co-opt up to four persons, who need not necessarily be members of the Conference. The quorum for meetings of the Committee shall be two Officers and two elected members.

The Committee shall be responsible for:

- (i) arranging the Annual Conference and any other meetings it deems appropriate;
 - (ii) acting on behalf of the Conference, within its terms of reference, and in accord with any resolutions and policies agreed by the Conference;
 - (iii) acting in consultation with the Conference when issues of major significance have to be addressed;
 - (iv) reporting to the Annual Conference at the Annual General Meeting.
- All Committee members may continue in post for the full term of their election even if they cease to be Heads of Departments.

6. Election of Officers and Committee Members

All officers and other elected members shall be elected by majority vote at the Annual General Meeting.

Committee members shall be elected for a period of two years. The Chair and Vice-Chair shall not normally be eligible for immediate re-election to the same office. The Treasurer and Secretary shall be eligible for re-election.

The immediate past Chair shall be an ex-officio member of the Committee for a further period of up to two years. Any casual vacancies that arise, for whatever reason, shall be filled by co-option.

No person shall serve as an Officer or an elected member for more than six consecutive years. All co-opted members shall be appointed up to the end of the next Annual General Meeting. All Committee members may continue in post for the full term of their election even if they cease to be Heads of Departments.

7. Change of Constitution

Any change to the Constitution must be agreed at an Annual General Meeting or at a Special General Meeting.

Membership shall be informed by post of any proposed changes by the Secretary at

least 20 days before the meeting.

Changes must receive the assent of a majority of those eligible to vote. Postal votes will be accepted.

8. Accounts

An account shall be opened in the name of the Conference of Heads of Departments of Mathematical Sciences at a bank designated by the Committee. All cheques drawn on the account shall bear the signature of the Treasurer or one other named Officer of the Committee.

An annual statement of audited accounts shall be produced by the Treasurer for presentation to the Annual General Meeting of the Conference.

9. Dissolution

The Conference of Heads of Departments of Mathematical Sciences may be dissolved by a resolution passed by a majority of those eligible to vote at a Special General Meeting convened for the purpose, of which 40 days notice shall have been given, in writing, to the members.

The resolution must make provision for the satisfactory and lawful disposal of any assets held by, or in the name of, the Conference of Heads of Departments of Mathematical Sciences.

CONFERENCE ON ORDINARY AND PARTIAL DIFFERENTIAL EQUATIONS

The Thirteenth Conference on Ordinary and Partial Differential Equations will be held at the University of Dundee from 27 June - 1 July 1994. The purpose of the Conference is to bring together research workers with a common interest in differential equations and their applications. Particular attention will be focused on recent developments in the theory of non-linear differential equations and their applications to biological phenomena, wave propagation and dynamical systems. The organisers gratefully acknowledge the financial support of the London Mathematical Society. The programme will consist of invited and contributed lectures. Invitations to speak

at the conference have been accepted by D. Broomhead, M. van den Berg, O. Diekmann, K.P. Hadeler, H.A. Levine, D.L. Rod, C.J. Sparrow, J.M.T. Thompson, S. Wiggins, Z. Zhang. Contributed talks are invited on any work connected with ordinary and partial differential equations and their applications. Twenty-five minutes will be allocated to each speaker for presentation of results and discussion. Further information and application forms may be obtained from: Dr R.J. Jarvis, Department of Mathematics and Computer Science, The University, Dundee DD1 4HN, Scotland, UK; e-mail: rjjarvis@uk.ac.dund.mcs.

INTERNATIONAL MATHEMATICAL UNION COMMISSION ON DEVELOPMENT AND EXCHANGES

Information concerning CDE programmes.

The CDE (Commission on Development and Exchanges of the International Mathematical Union) presently runs two programmes aiming at supporting mathematics and mathematicians in Developing Countries.

One programme applies to individuals to support research visits (by means of travel grants to partially cover the travel expenses); the other programme gives partial support to conferences organized by developing countries.

General policy for applications made by individuals

The CDE only considers applications for support to research visits made by individual mathematicians with a PhD or equivalent. The host laboratory should commit itself to supporting the local expenses. Due to the limited funds at its disposal, the CDE can neither support training visits (even for PhD programmes) nor award travel grants to attend conferences (even for invited speakers).

Mathematicians from advanced countries are only eligible to CDE support for extended (say at least two months) visits to mathematical centres in developing countries.

The CDE only considers applications of mathematicians working in the core of mathematics.

Individuals should apply at least 4 months in advance to CDE c/o The Secretary, at the address below (the application should include bio-data, a research programme and an invitation letter from the host institution). Individuals who receive partial support from the CDE are expected to send a scientific report to the CDE and to acknowledge CDE's support in their publications.

General policy for support to conferences

The CDE only considers supporting conferences organized in developing countries and which are *a priori* open to any working mathematician whatever his nationality. Conferences should address a regional (or international), not only national audience. The funds awarded by the CDE are for academic use only (travel or living expenses of invited speakers or those of participants coming from developing countries). The CDE only considers conferences at research level and cannot support (due to lack of funds) schools which are mainly concerned with training.

The CDE should not be expected to provide the main share of financial support; support to conferences when granted by the CDE is on average of the order of \$2,000.

Conference organizers should apply at least 8 months in advance to CDE c/o The Secretary, at the address below. The application should give full details concerning the conference: organizing committee; topics and purpose of the conference; organization (plenary lectures, parallel sessions, etc); names of the invited speakers with specific mention of those who have already committed themselves and title of their talks; financial details (agencies solicited for support including amount of support expected, with special mention of support already granted). Organizers are expected to send a financial and scientific report to the CDE after the conference and to acknowledge CDE's support in the conference proceedings.

Applications to CDE programmes are to be made to: CDE c/o The Secretary, Professor Pierre Bérard, Institut Fourier, Laboratoire de Mathématiques, Université Grenoble 1, B.P. 74, F-38402 St Martin d'Hères Cedex, France, fax: (33) 76 51 44 78, e-mail: pberard@fourier.grenet.fr.

UNIVERSITY OF CAMBRIDGE
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Lecturer or Assistant Lecturer
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Applications are invited for this temporary post in any field of Pure Mathematics, to take up appointment on 1st October 1994, or as soon as possible after that date. The appointment will be initially for 3 years, with the possibility of renewal for a further 2 years.

The current age-related scale for an Assistant Lecturer is £13,601-£18,855, and for a Lecturer is £17,379-£26,803.

Further information, and details of application procedure, can be obtained from the Head, DPMMS, 16 Mill Lane, Cambridge CB2 1SB (e-mail: vacancies@pmms.cam.ac.uk; telephone: (0223)337996; fax: (0223)337920).

The closing date for applications is 29th April 1994.

Statistical Laboratory

Applications are invited for a one-year temporary lectureship, for the academic year 1994/95. The position is open to candidates with interests in any area of probability, statistics, or systems theory. The successful applicant will be expected to contribute to the teaching and research programmes of the Laboratory.

The current age-related scale for an Assistant Lecturer is £13,601-£18,855, and for a Lecturer is £17,379-£26,803.

Applications, including curriculum vitae and the names of two academic referees, should be sent to the Director, Statistical Laboratory, 16 Mill Lane, Cambridge CB2 1SB (fax: (0223)337956).

The closing date for applications is 15th April 1994.

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MAX PLANCK RESEARCH PRIZE

Two young mathematicians linked with Heriot-Watt University, have won the highly prestigious Max Planck Prize. The DM100,000 prize awarded to Dr Stefan Muller and Dr Vladimir Sverak is one of 26 awards presented recently to leading German scientists and their international partners in the joint programme of the Max-Planck-Gesellschaft and the Alexander von Humboldt-Stiftung for the encouragement of international scientific collaboration.

Stefan Muller (31) is a PhD graduate of Heriot-Watt University's Department of Mathematics, where Vladimir Sverak (34) has held the post of SERC Research Associate. From their current positions, at the University of Bonn and the Charles University Prague respectively, both continue to be associated with the activities of the Interna-

tional Centre for Mathematical Sciences in Edinburgh.

Drs Muller and Sverak were identified last year as "rising stars" when they were selected for awards as outstanding Young European Mathematicians at the first European Congress of Mathematicians, Paris, July 1993. Ten such awards were made.

The Max Planck Research Prize, a premier international scientific award, now amply confirms their growing standing, and the importance and success of their work in nonlinear analysis and the calculus of variations. The prize money will provide support for intensive scientific collaboration over the coming three years.

Further information from: Professor J Carr, Head of Department of Mathematics, Heriot-Watt University, tel: 031 451 3229.

INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS 30th ANNIVERSARY MEETING

To celebrate the Institute's 30th Anniversary a one-day meeting has been arranged for 8th April 1994 at The Royal Society, 6 Carlton House Terrace, London SW1 commencing at 10.00 am. The speakers will be: Sir James Lighthill (UCL) "Inverse Fourier Asymptotics"; Professor J.C.R. Hunt (Meteorological Office, Berkshire) "Forecasting the Environment"; Professor M. Cross (University of Greenwich) "Computational Mechanics - Tools for Solving Industrial Problems"; Dr A. Iserles (University of Cambridge) "Dynamics of Numerics"; Professor L.C. Thomas (University of Edinburgh) "Applications and Solution Algorithms for Dynamic Program-

ming". The Chair will be taken by Professor M. Rycroft (Cranfield University).

Spouses or other guests who do not attend the lectures will be welcome to join the reception for wine at 5.30 pm. Charges are as follows: IMA members £40.00; Student IMA members £30.00; Non-Members £50.00; Guests for Reception £5.00. If you wish to reserve a place at this meeting or would like to receive further details please contact The Conference Officer, The Institute of Mathematics and its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex SS1 1EF, tel: 0702 354020, fax: 0702 354111.

SCOTTISH ALGEBRA DAY

The 7th Annual Scottish Algebra Day will be held on Friday 15 April at the University of Edinburgh, with the support of the London Mathematical Society. There will be four talks, each lasting one hour. The speakers will be: J. Harlander (Frankfurt/Glasgow), M.W. Liebeck (Imperial), J.S. Wilson (Birmingham) and M. Van den Bergh (Hasselt, Belgium). There will be a meal arranged, to follow the final talk, to which all are welcome. It would be

helpful to let one of the organisers know by 12 April, if you plan to come to the meal. The details of the programme are available from any of the organisers: T.H. Lenagan (Edinburgh) 031 650 5078, e-mail: T.Lenagan@uk.ac.edinburgh, K.A. Brown (Glasgow) 041 339 8855 ext 6535, e-mail: k.a.brown@uk.ac.glasgow.vme, J. Howie (Heriot-Watt) 031 451 3240, e-mail: jim@uk.ac.hw.ma.cara.

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

The Swiss Federal Institute of Technology in Lausanne invites applications for a
Faculty Position in Applied Analysis

The teaching duties will include basic mathematics courses for engineering students, as well as introductory and advanced courses for students of mathematics. Willingness and talent to teach at all university levels is a requirement.

The new professor is expected to lead an important research activity in an area of applied analysis such as the theory of partial differential equations or variational calculus. In his/her research, the new professor is expected to collaborate actively with existing research groups at EPFL.

Applicants should have shown their ability to carry out and to direct high level research projects.

Female applicants are particularly welcome.

Start of the appointment: Autumn 1994 or as convenient.

Interested persons can write to the Office of the President, CE-Ecubiens, 1015 Lausanne, for more ample information concerning this position.



Leicester University

Department of Mathematics and Computer Science LECTURESHIP (GRADE A) IN PURE MATHEMATICS

Following the recent appointment of Professor G.R. Robinson to a Chair in Mathematics, applications are invited for a newly established Lectureship (Grade A) in Pure Mathematics in the Department of Mathematics and Computer Science. The appointment is tenable from 1 September 1994 or such other date as may be agreed.

Applicants should have a strong research record in pure mathematics. Preference may be given to candidates whose field of research intersects with areas currently represented within the Department.

Initial salary, dependent on qualifications and experience, will be on the Lecturer Grade A scale - £13,601 to £18,855 p.a.

Further particulars and an application form are available from the Staffing Office (Academic Appointments), University of Leicester, University Road, Leicester LE1 7RH, telephone (0533) 522758. The closing date for applications is **22 April 1994**.

Towards equal opportunities.

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

The Swiss Federal Institute of Technology in Lausanne invites applications for a

Faculty Position in Probability Theory

The teaching duties will include basic mathematics courses for engineering students, as well as introductory and advanced courses for students of mathematics. Willingness and talent to teach at all university levels is a requirement.

The new professor is expected to lead an important research activity in the theory of stochastic processes, such as Brownian motion, Markov processes or stochastic integration. In his/her research, the new professor is expected to collaborate actively with existing research groups at EPFL.

Applicants should have shown their ability to carry out and to direct high level research projects.

Female applicants are particularly welcome.

Start of the appointment: Autumn 1994 or as convenient.

Interested persons can write to the Office of the President, CE-Ecubiens, 1015 Lausanne, for more ample information concerning this position.

UNIVERSITY COLLEGE OF SWANSEA

Lectureship in Mathematics

As a result of Dr Timothy Hollowood being awarded an SERC 5-year Advanced Fellowship, a temporary lectureship (for 2 years in the first instance, but possibly renewable for another 3 years), will be available from October 1994. Candidates with research interests in Mathematics or Mathematical Physics are encouraged to apply. The main research interests of the Department are Conformal Field Theory, String Theory and Integrable Systems, Operator Algebras and Applications, Statistical Mechanics, Probability Theory and Applications to Quantum Physics, Harmonic Analysis and Probability.

The appointment will be on either of the following scales, together with USS benefits if required.

Lecturer Grade A: £13,601 - £18,855 per annum

Lecturer Grade B: £19,642 - £25,107 per annum

Application forms (**2 copies**) and further particulars may be obtained from the Personnel Office, University College of Swansea, Singleton Park, Swansea SA28PP, to which office they should be returned by **Friday 15 April 1994**.



C. HERMITE
Honorary Member 1871

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.

1994

APRIL

- 5-8 British Applied Mathematics Colloquium, Sheffield University (214)
5-15 Instructional Conference on Harmonic Analysis & PDEs, ICMS, Edinburgh (210)
6-10 Vector Bundles on Algebraic Curves Workshop, Liverpool University (214)
11-15 Workshop on L-functions and Automorphic Forms, The Fields Institute for Research in Mathematical Sciences, Ontario, Canada (210)
15 Midlands and Northern Universities Statistical Group Meeting, Sheffield Hallam University (213)

MAY

- 6 Edinburgh Mathematical Society Meeting, Aberdeen (209)
13-14 Two-day London Mathematical Society Meeting, Leeds
16-20 Groups and Geometry Conference, University of Auckland, New Zealand (212)
16-27 Workshop on Commutative Algebra and its Relation to Combinatorics and Computer Algebra, ICTP, Trieste, Italy (207)
24-27 The Dynamics and Topology of Complex Analytic Maps, Professor R.L. Devaney, Adams Lecturer, Manchester University (214)
31 Fermat's Last Theorem, Gresham Geometry Lecture, London (212)

JUNE

- 1-7 Algebraic Topology Conference, Barcelona, Spain (201)
4 Edinburgh Mathematical Society Meeting, St Andrews (209)
5-11 Workshop on Harmonic Analysis, Oscillatory Integrals & Applications to PDEs, ICMS, Edinburgh (210)
13-17 Elliptic & Parabolic Problems Conference, Pont-a-Mousson, France (204)
13-17 Hyperbolic Problems - Theory, Computations & Applications Conference, Stony Brook, New York, U.S.A. (204)
17 London Mathematical Society Meeting, London

JULY

- 1-11 Quantum Concepts in Space and Time, LMS Durham Symposia (211)
4-7 Conference on Nonlinear Dynamics and Pattern Formation in the Natural Environment, The Netherlands (210)
5-10 The Mathematical Theory of Phase Transitions Summer Workshop, Sussex University (214)
10-16 Combinatorial Geometry Euroconference, Anogeia, Greece (214)
11-15 Algebraic and Number Theoretic Aspects of Ergodic Theory Workshop, Warwick University (214)
11-16 Quantum Communication and Measurement Workshop, University of Nottingham (212)
11-22 Topological Methods in Differential Equations and Inclusions Seminar, University of Montreal Canada (212)
12-22 Geometry and Cohomology in Group Theory, LMS Durham Symposia (211)
17-23 Workshop on Elliptic PDEs & related areas of Harmonic Analysis, ICMS, Edinburgh (210)
17-23 Actions of Lie Groups and Discrete Subgroups on Manifolds Euroconference, Anogeia, Greece (214)
18-22 Non-Standard Mathematics Colloquium, University of Averoio, Portugal (212)
18-22 Workshop on Lattice Dynamics, Statistical Mechanics and Ergodic Theory, Warwick University (214)
20-22 International Symposium on Symbolic and Algebraic Computation, Oxford (213)
20-27 3rd Souslin Conference, Saratov, Russia (209)
25-29 Category Theory European Colloquium, France (213)
25-29 Evolution Equations Conference, University of Strathclyde (211)

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. Telephone 071-437 5377, fax 071-439 4629, e-mail lms@uk.ac.kcl.cc.bay.

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