

LMS NEWSLETTER

No. 61

September 1979

DATES OF SOCIETY MEETINGS

Friday, 12 October 1979, Burlington House.

Friday, 16 November 1979, Burlington House. Annual General Meeting.

Friday, 18 January 1980, Burlington House.

Friday, 15 February 1980, Burlington House.

Friday, 21 March 1980, Burlington House.

Friday, 16 May–Saturday 17 May 1980, Manchester.

Friday, 20 June 1980, Burlington House. Whitehead Lecture.

Note that 15 February 1980 has been added to the schedule.

The Programme Committee feels that regularity of meeting dates is desirable. The Society will meet on the third Friday of each month during term from November onward. The normal months are thus October, November, January, February, March, May and June. We hope heads of departments and seminar organisers can make allowances for this and perhaps include the Society meeting in their arrangements.

Council meetings (in Burlington House) will be held in conjunction with all London meetings.

D. B. SINGMASTER.

NEWS FROM COUNCIL

Council accepted with regret the resignation of I. M. James as Treasurer. Professor James has been Treasurer since 1969. R. L. E. Schwarzenburger has been co-opted as Treasurer and to Council. Council proposes to change the method of election of its members and will introduce new By-Laws for this purpose. It is intended to elect members of Council for more than one year and that some members will retire each year. Council will nominate more candidates than there are vacancies. Council has accepted, with great regret, the resignation of D. E. Edmunds and R. H. Dyer from the *Bulletin* with effect from November 1979. P. M. Neumann will become Editor and Secretary of the *Bulletin* and will resign as

Editor and Secretary of the *Journal* when his successors have been appointed.

The *Bulletin* will publish one volume in 1980 consisting of 6 parts each of 80 pages. New subscription rates for the *Proceedings* and *Journal* have been set at £30 per volume within the U.K. and £21 per volume for the *Bulletin*. Members' subscriptions to these periodicals will be £5 per volume.

For the coming session the Programme Committee was given a budget of £4,000 for conference support awards and £3,000 for the Society's meetings programme. Council awarded the 1979 Junior Berwick Prize to R. C. Vaughan and the 1979 Junior Whitehead Prizes to P. Cameron and P. Johnston.

PERSONAL ITEMS

Honorary Member J.-P. Serre was recently elected a Foreign Associate of the (U.S.) National Academy of Sciences.

Honorary Member J. Neyman was recently elected a Foreign Member of the Royal Society.

LIST OF MATHEMATICAL FILMS

A list of 16 mm films on mathematical subjects is available gratis from D. B. Singmaster, Faculty of Mathematics, Open University, Milton Keynes MK7 6AA.

COLLECTED PAPERS OF G. H. HARDY

The Oxford University Press has now completed the publication of the Collected Papers of G. H. Hardy (including joint papers with J. E. Littlewood and others). The papers were edited by a committee of the Society under the chairmanship of H. Davenport (Vols I–IV) and L. S. Bosanquet (Vols V–VII). The titles and editors of the individual volumes are:

Vol. I. Diophantine approximation. Additive number theory. H. Heilbronn and H. Davenport.

Vol. II. Multiplicative number theory. Inequalities. A. E. Ingham and R. Rado.

Vol. III. Trigonometric series. Mean values of power series. T. M. Flett (initially W. W. Rogosinski).

Vol. IV. Special functions. Theory of functions. E. M. Wright and M. L. Cartwright.

Vol. V. Integral calculus. F. Smithies.

Vol. VI. Theory of series. L. S. Bosanquet.

Vol. VII. Integral equations and integral transforms. Miscellaneous papers. Questions from the *Educational Times*. Obituary notices by G. H. Hardy. Book reviews. List of other writings. List of obituary notices of G. H. Hardy. I. W. Busbridge and R. A. Rankin (initially E. C. Titchmarsh and E. F. Collingwood).

Vol. VI (£19) and Vol. VII (£25) are still available.

L. S. BOSANQUET

VISITING MATHEMATICIANS

The following mathematicians are expected to visit Britain. The Editor plans to publish a main list of visitors in the September issue and supplementary lists in December and June. The Editor relies on all members, particularly local representatives, informing him of visitors to their departments.

<i>Name</i>	<i>Home University</i>	<i>Visiting</i>	<i>Dates of Visit</i>
F. M. Arscott	Manitoba	Oxford	Aug. 79–July 80
B. A. Barnes	Oregon	Trinity, Dublin	Oct. 79–Sept. 80
I. Barrodale	Victoria, Canada	Liverpool	May–July 80
A. Brown	Australian National	Southampton	Aug.–Dec. 79
E. M. Brown	Dartmouth	Liverpool	Sept.–Dec. 79
J. N. Damon	North Carolina	Liverpool	Oct. 79–June 80
K. L. Duggal	Windsor	Oxford	Jan.–June 80
T. J. Gaffney	Brown	Liverpool	Oct. 79–June 80
A. Gray	La Trobe	Southampton	July 79–Jan. 80
M. Kanda	Tsukuba	Liverpool	Oct. 79–June 80
P. Lambrinos	Thrace	Oxford	Oct.–Nov. 79
W. Moran	Adelaide	Sheffield	June 80–Feb. 81
B. P. Murphy	Western Australia	Birkbeck, London	Aug. 79–April 80
E. O. Oshobi	Ife	Sheffield	Oct. 79–Sept. 80
W. Summerfield	Newcastle, N.S.W.	Cambridge	Jan.–Dec. 79
L. G. Underhill	Cape Town	Sheffield	July 79–Aug. 80
N. A. Watson	Canterbury, N.Z.	Liverpool	Oct. 79–April 80
R. K. Watson	Melbourne	Sheffield	April–Oct. 79

SALEM PRIZE

The Salem Prize for 1979 was awarded to G. Pisier of the Centre de Mathématiques de l'Ecole Polytechnique, for his work on geometry of Banach spaces and on lacunary and random Fourier series. The prize established in 1968, is given every year to a young

mathematician who is judged to have done an outstanding work in the field of interest of Salem, primarily on Fourier series and related topics. The jury consisted of A. Zygmund, L. Carleson, J.-P. Kahane, Ch. Pisot and E. M. Stein.

BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS

The British Society for the History of Mathematics (formed in 1971) provides a forum for those interested in all aspects of the history of mathematics and its related disciplines. The Society's usual custom is to organise about three meetings a year, including one week-end conference. Members receive several newsletters a year and, where possible, they also receive summaries of papers read at meetings of the Society. The international journal *Historia Mathematica* is available to members at a reduced rate.

Members come from a broad cross section of those interested in the past and present development of mathematics—from Colleges, Polytechnics, Universities, industry and the professions. Officers of the Society are elected at the A.G.M. held in December. The annual subscription is £2 and *Historia Mathematica* can be ordered for an additional £7.50. Further details and application forms for membership can be obtained from: A. Crilly, Secretary BSHM, Middlesex Polytechnic, Enfield, Middlesex EN3 4SF.

I.M.A. CONFERENCES

The Institute of Mathematics and its Applications will hold the following conferences. Further details can be obtained from the Institute, Maitland House, Warrior Square, Southend-on-Sea, Essex SS1 2JY.

Conference	Date	Place
Modelling Dispersion of Transport Pollution	17-18 March, 1980	Cambridge
Control Theory	9-11 September, 1980	Sheffield

CONFERENCE ON NUMBER THEORY

The next meeting of the Journées Arithmétiques will be held in Exeter, on 13-19 April, 1980. The Conference is to be sponsored jointly by the London Mathematical Society and the Société Mathématique de France.

Likely cost of residence (including meals) is £9.50 per day. Limited financial assistance is available for those who have difficulty in

securing help from their own Institutions. There may be substantial demand for places and early indications of intent to participate would be welcome so that the organisers may book the right number of residential places. Further details can be obtained from R. Odoni, Mathematics Department, The University of Exeter, North Park Road, Exeter EX4 4QE.

CONFERENCE ON NONLINEAR DYNAMICS

The New York Academy of Sciences will hold an International Conference on Nonlinear dynamics at the Barbizon Plaza Hotel, New York City on 17-21 December 1979. The central subject of the conference

is the chaotic and regular motion exhibited by nonlinear dynamical systems. Further details can be obtained from the organiser, R. H. G. Helleman, School of Physics, Georgiatech, Atlanta, Ga 30332, U.S.A.

SYMPOSIUM ON DATA ANALYSIS AND INFORMATICS

An International Symposium on Data Analysis and Informatics will be held on 17-19 October 1979 at Versailles, France. The invited speakers are S. Aivazian, R. Gibrat, L. Guttman, C. Hayashi, J. C. Lingoes, J. A. Nelder, E. E. Roskam,

P. H. A. Sneath, J. W. Tukey. Further information can be obtained from the Secrétariat des Journées, IRIA, Domaine de Voluceau-Rocquencourt, 78150 Le Chesnay, France.

COMPUTING METHODS IN APPLIED SCIENCES

The International Symposium on Computing Methods in Applied Sciences and Engineering will be held on 10-14 December 1979 at Versailles, France. The Organ-

isers are R. Glowinski and J. L. Lions. Further information can be obtained from the Symposium Secretariat, I.R.I.A., B.P.105, 18150 Le Chesnay, France.

SYMPOSIUM ON ILL-POSED PROBLEMS

A symposium on ill-posed problems: theory and practice will be held at Newark, Delaware on 2-6 October 1979. Further details can be obtained from the Symposium

Director, M. Z. Nashed, Dept. of Mathematical Sciences, University of Delaware, Newark, De 19711, U.S.A.

SYMPOSIUM ON INTERVAL MATHEMATICS

An International Symposium on Interval Mathematics will be held on 27-31 May 1980 at Freiburg i. Br. Main lectures will be given by Apostolatos (Athens), Hansen (Oregon), Henrici (Zurich), Jahn (Leipzig), Klava (Karlsruhe), Markov (Sofia), Moore

(Madison), Ratschek (Düsseldorf), Sendov (Sofia) and Stummel (Frankfurt). Further details can be obtained from K. Nickel, Institute of Applied Mathematics, University of Freiburg, Hermann Herder Str. 10, D7800 Freiburg i. Br., Germany.

1980 OBERWOLFACH PROGRAMME

- 1-5 January. Arbeitstagung Salzmann (H. Salzmann).
- 6-12 January. Kontinuumsmechanik fester Körper (G. Herrmann, H. Lippmann).
- 13-19 January. Modelltheorie (S. Shelah, E. J. Thiele, M. Ziegler).
- 20-26 January. Geschichte der Mathematik (M. Folkerts, C. J. Scriba).
- 3-9 February. Methoden der mathematischen Physik (B. Brosowski, E. Martensen).
- 10-16 February. Mathematical Aspects of Computerized Tomographie (G. T. Herman, F. Natterer).
- 17-23 February. Funktionentheorie (G. Frank, Ch. Pommerenke, K. Strebel).
- 24 February-1 March. Medizinische Statistik (K. Dietz).
- 2-8 March. Mathematische Spieltheorie (J. Rosenmüller).
- 9-15 March. Regelungstheorie (H. W. Knobloch, M. Thoma).
- 16-23 March. Optimierung und optimale Steuerung (A. Auslender, Clermont-Ferrand, W. Oettli, J. Stoer).
- 23-29 March. Mathematische Stochastik (D. W. Müller).
- 30 March-5 April. Distributionen und partielle Differentialgleichungen (J. Wloka, Z. Zielezny).
- 7-12 April. Arbeitsgemeinschaft Geyer-Harder.
- 20-26 April. Mathematische Logik (W. Felscher, E. Specker).
- 27 April-3 May. Gruppentheorie (W. Gaschütz, K. W. Gruenberg).
- 4-10 May. Kombinatorik (D. Foata).
- 11-17 May. Gruppen und Geometrien (B. Fischer, D. G. Higman).
- 26-31 May. Grundlagen der Geometrie (W. Benz).
- 1-7 June. Topologische Dynamik (J. Auslander, M. Denker).
- 15-21 June. Algebraische K-Theorie (W. Scharlau).
- 22-28 June. Orders and their applications (K. W. Roggenkamp).
- 29 June-5 July. Unendlichdimensionale einfache Lie-Algebren (H. Bass, W. Borho, V. Kac).
- 13-19 July. Variationsrechnung (J. Frehse, W. Jäger, F. Tomi).
- 20-26 July. Konvexe Körper (R. Schneider, G. M. Shepard).
- 27 July-2 August. Modulfunktionen in mehreren Variablen (M. Eichler, H. Klingen).
- 3-9 August. Scattering theory (P. Werner, C. H. Wilcox).
- 9-16 August. Approximation und Funktionalanalysis (P. L. Butzer, E. Görlich, B. Sz. Nagy).
- 17-23 August. Partial differential equations (K. Diederich, J. J. Kohn, I. Lieb).
- 24-30 August. Finite Elemente (J. Nitsche).
- 31 August-6 September. Komplexe Analysis (H. Grauert, R. Remmert, K. Stein).
- 7-13 September. Topologie (T. tom Dieck, K. Lamotke, C. B. Thomas).
- 14-20 September. Spezialtagung Topologie: Homotopietheorie (D. Puppe, L. Smith).
- 21-27 September. Geometrie (K. Leichtweiß, K. Voss).
- 28 September-4 October. Nichtlineare und rheoliner Schwingungssysteme (K. Magnus).
- 5-11 October. Arbeitsgemeinschaft Geyer-Harder.
- 12-18 October. Risiko-Theorie (H. Bühlmann).
- 19-25 October. Funktionalanalysis (K. D. Bierstedt, H. König, H. H. Schaefer).
- 2-8 November. Analytische Zahlentheorie (H.-E. Richert, W. Schwarz, E. Wirsing).
- 9-15 November. Didaktik.
- 16-22 November. Numerische Behandlung freier Randwertaufgaben (J. Albrecht, L. Collatz, K.-H. Hoffmann).
- 23-29 November. p-adische Funktionentheorie und Analysis (Y. Amice, L. Gerritzen).
- 30 November-6 December. Mathematische Methoden des Operations Research (H. König, K. Neumann).
- 7-13 December. Integralgleichungsmethoden in den Ingenieurwissenschaften (E. Meister, W. Wendland).
- 14-20 December. Spezialtagung Statistik: Statistische Modelle (V. Kurotschka, W. Vogel).

DEPARTMENT OF MATHEMATICAL SCIENCES

UNIVERSITY of PETROLEUM & MINERALS

DHAHRAN, SAUDI ARABIA

The Department of Mathematical Sciences, University of Petroleum and Minerals, Dhahran, Saudi Arabia, will have faculty positions open for the Academic Year 1980-81, starting 1st September, 1980 in the following areas:

APPLIED MATHEMATICS
ANALYSIS
DIFFERENTIAL EQUATIONS
GEOMETRY
TOPOLOGY
NUMERICAL ANALYSIS
STATISTICS

Minimum qualifications include a Ph.D. degree in any of the fields mentioned above or a Master's degree in Mathematics plus teaching experience and some indication of research interests. Applications for all ranks from Professor to Lecturer are invited.

Minimum regular contract for two years, renewable. Competitive salaries and allowances, air conditioned and furnished housing provided. Free air transportation to and from Dhahran each two-year tour. Attractive educational assistance grants for school-age dependent children. All earned income without Saudi taxes. Ten months duty each year with two months vacation paid and possibility of participation in University's ongoing summer programme with good additional compensation.

Apply with complete resumé on academic and professional background, list of references, a complete list of publications with clear indication of those papers published in refereed professional journals, research details, and with copies of transcripts, degrees, including personal data such as family status (spouse's maiden name, names of children, ages and sexes) home and office addresses, telephone numbers to:

University of Petroleum and Minerals,
c/o Gabbittas-Thring Services Ltd.,
Broughton House,
6, 7 & 8 Sackville Street,
Piccadilly, London W1X 2BR.