

LMS NEWSLETTER

No. 69

May 1980

DATES OF SOCIETY MEETINGS

Friday, 16 May–Saturday, 17 May 1980.
Two-day meeting at Manchester (see below).

Friday, 23 May–Monday, 26 May 1980.
Week-end meeting at Gregynog (see below).

Friday, 20 June 1980, Burlington House
(J. C. Clunie and J. Eells).

Friday, 17 October 1980, Burlington House
(W. Feit and J. G. Thompson).

Friday, 21 November 1980, Imperial College, London (Annual General Meeting and Presidential Address).

Friday, 16 January 1981, Burlington House.

Friday, 20 February 1981, Burlington House.

Friday, 20 March 1981, Burlington House.

Friday, 15 May–Saturday, 16 May 1981.
Two-day meeting at Leeds.

Friday, 19 June 1981, Burlington House.

R. A. BAILEY

TWO-DAY MEETING AT MANCHESTER

This meeting will start at 2 p.m. on Friday, 16 May 1980 and continue until lunch time the following day. The speakers are G. Baumslag, F. T. Farrell, P. M. Neumann, E. Rees and T. tom Dieck.

Full details appeared in the April *Newsletter*; enquiries should be addressed to F. B. Coghlan, Department of Mathematics, The University, Oxford Road, Manchester M13 9PL.

L.M.S. WEEKEND MEETING AT GREGYNOG HALL

The main speakers at the week-end meeting on "Representations of groups of Lie type" at Gregynog Hall, Newtown, Powys, on 23-26 May 1980 are: R. Steinberg, "Remarks on representations of groups of Lie Type"; T. A. Springer, "Representations of Weyl groups" and "Tits buildings of finite Chevalley groups"; R. W. Carter, "The Kazhdan–Lusztig polynomials"; J. C. Jantzen, "Modules

with a highest weight"; S. Donkin, "The blocks of a semisimple algebraic group"; J. A. Green; I. G. Macdonald, "Local aspects of the 'philosophy of Langlands'".

The cost of accommodation will be £36.35. For further information write to T. P. McDonough, Department of Pure Mathematics, The University College of Wales, Aberystwyth, Dyfed.

VISITING LECTURER

Professor A. Hulanicki (Wroclaw) will visit this country with the support of the Society in May. He will be based at the University of Manchester. Visits to the following universities have been arranged: 8, 9 May, Aberdeen

12 May, Newcastle (North British Functional Analysis Seminar)

15 May, Cambridge
Further information from N. Blackburn (Manchester).

RAIL TRAVEL: ST. ANDREWS COLLOQUIUM 1980

British Rail has offered special reduced fares to Leuchars for anyone attending the 1980 St. Andrews Colloquium and staying in a University Hall of Residence. These offer substantial savings on ordinary return tickets. Further details may be obtained

from C. M. Campbell, Mathematical Institute, St. Andrews, on receipt of a stamped addressed envelope. Please note that all such applications must be received by FRIDAY, 13 JUNE 1980 at the latest.

CONCESSIONARY RAIL FARES

Concessionary rail fares have been negotiated with British Railways for travel to the BMC in Sheffield and the St. Andrews Colloquium. These give a substantial reduction in the price of rail travel.

Organisers of other meetings will presumably be able to obtain similar concessions if they write to British Railways in good time.

FINITE GEOMETRIES AND DESIGNS

This conference, organised by P. J. Cameron (Oxford), J. W. P. Hirschfeld (Sussex) and D. R. Hughes (Westfield), will take place at the Isle of Thorns, Chelwood Gate, East Sussex, from 9 to

15 June 1980. For further information, write to J. W. P. Hirschfeld, Mathematics Division, University of Sussex, Brighton BN1 9QH.

SYMPOSIUM ON ASPECTS OF SPECTRAL THEORY

The Royal Irish Academy is holding a symposium on Aspects of Spectral Theory in Trinity College, Dublin from 1 to 4 July 1980. Further information on the sym-

posium may be obtained from T. T. West, School of Mathematics, Trinity College, Dublin 2.

TOPOLOGY OF MANIFOLDS AND HOMOTOPY THEORY

A conference on the Topology of Manifolds and Homotopy Theory will be held in São Paulo, Brazil on 28 July–1 August 1980. Invited speakers include P. Hilton, A. Liulevicius, S. Gitler, A. Wasserman,

Feder, Hitchin, P. Schweitzer, D. Randall, A. Conde, J. Daccach and D. L. Gonçalves. Further details can be obtained from A. Conde, IMECC–Unicamp, 13.100 Campinas, S.P. Brazil.

EUROPEAN MEETING OF STATISTICIANS

Organised on behalf of the Bernoulli Society for Mathematical Statistics and Probability, the 13th European Meeting of Statisticians will be held at the University of Sussex, Brighton, on 8–12 September 1980. The meeting is open to all those interested. The provisional programme is as follows:

Main Lecturers: A. N. Shiryaev (Moscow), J. Durbin (London), W. R. van Zwet (Leiden), S. L. Lauritzen (Copenhagen), and P. Whittle (Cambridge).

Invited-paper Sessions and Speakers

Analysis of Censored Data. R. D. Gill (Amsterdam), D. Oakes (London). Organiser: N. Keiding (Copenhagen).

Change-point Models: J. Deshayes (Paris), D. V. Hinkley (Minnesota). Organiser: D. Dacunha-Castelle (Paris).

Experimental Design: A. Giovagnoli (Perugia), V. Kurotschka (Berlin), W. J. Welch (London). Organiser: H. P. Wynn (London).

Exponential-rate Optimal Statistics. L. Birgé (Paris), P. Groenenboom (Seattle). Organiser: G. Tusnády (Budapest).

History of Statistics. F. N. David (Berkeley), A. Hald (Copenhagen), A. W. Kemp (Bradford). Organiser: P. R. Freeman (Leicester).

Sequential Problems for Markov Chains and Point Processes. Y. El Fattah (Rabat), H. Gillert (Dresden), N. Maigret (Paris). Organiser: M. Duflo (Paris).

Statistical Aspects of Stereology. R. Coleman (London), L. M. Cruz-Orive (Bern), J. Serra (Fontainebleau). Organiser: R. Coleman (London).

Statistical Problems in Genetics. F. B. Christiansen (Aarhus), J. Maynard Smith (Sussex). Organiser: J. F. C. Kingman (Oxford).

Statistics in the Earth Sciences. G. Gudmundsson (Reykjavik), R. Webster (Harpending). Organiser: B. D. Ripley (London).

Statistics of Random Fields. P. Clifford (Oxford), B. Prum, X. Guyon (Paris), H. P. Wynn (London). Organiser: J. E. Besag (Durham).

Survey Sampling. Organiser: T. M. F. Smith (Southampton).

Teaching of Statistics. P. L. Hennequin (Clermont Ferrand), T. Nemetz (Budapest), G. Noether (Connecticut). Organiser: V. D. Barnett (Sheffield).

There will be contributed papers sessions, poster displays and workshops. Abstracts of papers for presentation or display may be submitted to the organisers. *Bulletin 2*, giving full details, is now being sent to all those who returned the pre-registration form included with *Bulletin 1*. All others interested should write for details without delay to the Local Organiser, J. A. Bather, Mathematics Division, University of Sussex, Brighton BN1 9QH.

ADVANCED STUDY INSTITUTE IN GEOMETRY

A N.A.T.O. Advanced Study Institute on Geometry—von Staud's point of view will be held at Bad Windsheim, Germany, on 21 July–1 August 1980. Invited speakers include: A. Barlotti (Bologna), W. Benz (Hamburg), D. Hughes (London), H. Karzel (München), O. H. Kegel (Freiburg), H. Lüneburg (Kaiserlautern), R. Löwen (Tübingen), H. Maurer (Darmstadt), G. Nicoletti (Bologna), T. G. Ostrom (Washington State University), G. Pickert

(Gießen), H. Salzmann (Tübingen), E. Shult (Kansas State), and A. Wagner (London).

The costs of participation are about DM.900. Some limited financial support might be available. Further details can be obtained from P. Plaumann, Mathematisches Institut, Universität Erlangen-Nürnberg, Bismarkstrasse 1 1/2, 8520 Erlangen, W. Germany.

REPRESENTATION THEORY

A workshop on the present trends of Representation theory will be held in Puebla, Mexico, on 4–8 August 1980 followed by an International Conference on Representation of Algebras on 8–16 August. The following people will be in charge of the workshops: A. V. Rotier (Kiev)—Matrix Problems; V. Dlab (Carleton)—Diagrammatic Methods in Repre-

sentation theory; I. Reiten (Trondheim)—Almost split sequences; H. P. Kraft (Bonn)—Representation theory and Algebraic Geometry; W. Gustafson (Texas Tech)—Historical aspects of Representation theory.

Further information about both meetings can be obtained from R. Martínez, III ICRA, Apdo Postal 70-450, México 20, D.F.

HARMONIC ANALYSIS

A conference on Harmonic Analysis of functions, measures and convolution operators on groups will be held in Wisla-Uzdrowisko, Poland, on 24–31 May 1980.

Further details can be obtained from A. Hulanicki, Institute of Mathematics, Polish Academy of Sciences, ul-Kopernika 18, 51–617 Wrocław, Poland.

BOOKS RECEIVED FOR REVIEW IN THE BULLETIN

Paul R. Meyer (Ed.): Papers in Mathematics. Annals of the New York Academy of Sciences Vol. 321. (New York Academy of Sciences)

Jeremy E. Shapiro: Mathematical Programming Structures and Algorithms (John Wiley)

M. S. Livshits & A. A. Yantsevich: Operator Colligations in Hilbert Spaces (Winston/Wiley)

Ronald H. Randles & Douglas A. Wolfe: Introduction to the Theory of Nonparametric Statistics (Wiley)

A. T. F. Hutt: A Relational Data Base Management System (Wiley)

J. W. P. Hirschfeld: Projective Geometries over Finite Fields (Oxford Mathematical Monographs) (Clarendon Press)

C. T. C. Wall (Ed.): Homological group theory (Symposium Proceedings) LMS LN 36 (Cambridge University Press)

John Knopfmacher: Analytic arithmetic of algebraic function fields (Marcel Dekker)

- Alvin E. Roth:** Axiomatic models of bargaining (S.L.N. in Economics and Math. Systems, Vol. 170) (Springer-Verlag)
- (The Publishers): **An index and other useful information** (S.L.N. in Economics and Math. Systems) (Springer-Verlag)
- H. Hironaka & D. Mumford** (Eds.): Oscar Zariski: Collected Papers Vol. I (Foundations of algebraic geometry and resolution of singularities) (M.I.T. Press)
- M. Artin & D. Mumford** (Eds.): Oscar Zariski: Collected Papers Vol. II (Holomorphic functions and linear systems) (M.I.T. Press)
- : Oscar Zariski: Collected Papers Vol. IV (M.I.T. Press)
- E. I. Stein:** Basic Mathematics for College Students (Allyn & Bacon)
- A. K. Stehney et al.** (Eds.): Selected Papers on Geometry (John Wiley for Mathematical Association of America)
- G. I. Barenblatt:** Similarity, Self-similarity and Intermediate Asymptotics (Plenum Publishing Corp.)
- R. F. Hoskins:** Generalised Functions (John Wiley & Sons Ltd. for Ellis Horwood Ltd.)
- Michael A. Golberg:** Solution Methods for Integral Equations—Theory and Applications (Vol. 18 Maths. Concepts and Methods in Science and Engineering) (Plenum Press)
- Melvyn B. Nathanson:** Number Theory. Carbondale 1979 Proceedings. LNM 751 (Springer-Verlag)
- Michael Barr:** *-Autonomous Categories. LNM 752. (Springer-Verlag)
- M. P. Fourman, C. J. Mulvey & D. S. Scott** (Eds.): Applications of Sheaves (Durham 1977 Proceedings) LNM 753 (Springer-Verlag)
- Olav A. Laudal:** Formal Moduli of Algebraic Structures. LNM 754. (Springer-Verlag)
- M. Grmela & J. E. Marsden** (Eds.): Global Analysis (Calgary 1978 Proceedings) LNM 755. (Springer-Verlag)
- Richard L. Epstein:** Degrees of Unsolvability: Structure and Theory. LNM 759. (Springer-Verlag)
- William C. Waterhouse:** Introduction to Affine Group Schemes (Springer-Verlag)
- I. I. Gihman & A. V. Skorohod:** Controlled Stochastic Processes (Springer-Verlag)
- R. E. Edwards:** Fourier Series. A Modern Introduction, Vol. 1 (Springer-Verlag)
- M. Aigner:** Combinatorial Theory (Springer-Verlag)
- Herman Schubert:** Kalkül der abzählenden Geometrie (Springer-Verlag)
- I. Kaplansky** (Ed.): Saunders MacLane: Selected Papers (Springer-Verlag)
- C. E. Rickart:** Natural Function Algebras (Springer-Verlag)
- A. J. Jones:** Game Theory: Mathematical Models of Conflict (John Wiley & Sons)
- Richard M. Meyer:** Essential Mathematics for Applied Fields (Springer-Verlag)
- Hermann, Meyenn & Weisskopf** (Eds.): Wolfgang Pauli: Scientific Correspondence, Vol. I, 1919-1929 (Springer-Verlag)
- D. N. Burghes & A. D. Wood:** Mathematical Models in the Social, Management and Life Sciences (John Wiley & Sons for Ellis Horwood)
- V. M. Babic & N. Y. Kirpičnikova:** The Boundary-layer Method in Diffraction Problems (Springer-Verlag)
- H. Haken** (Ed.): Pattern Formation by Dynamic Systems and Pattern Recognition (Springer-Verlag)
- Jürgen Hinze** (Ed.): The Permutation Group in Physics and Chemistry (Springer-Verlag)
- H. O. Cordes:** Elliptic Pseudo-Differential Operators—An Abstract Theory. LNM 756 (Springer-Verlag)
- Th. Gasser & M. Rosenblatt** (Eds.): Smoothing Techniques for Curve Estimation. LNM 757 (Springer-Verlag)
- C. Nastasescu & F. van Oystaeyen:** Graded and Filtered Rings and Modules. LNM 758 (Springer-Verlag)
- H. O. Georgii:** Canonical Gibbs Measures. LNM 760 (Springer-Verlag)
- Klaus Johannson:** Homotopy Equivalences of 3-Manifolds with Boundaries. LNM 761 (Springer-Verlag)
- D. H. Sattinger:** Group Theoretic Methods in Bifurcation Theory LNM 762 (Springer-Verlag)

LONDON MATHEMATICAL SOCIETY

**Professor J. G. Clunie (Imperial College)
Some Remarks on Univalent Functions**

**Professor J. Eells (Warwick)
Harmonic and Holomorphic Maps**

Friday, 20 June, 1980, at 3.30 p.m.

**Geological Society's Meeting Room,
Burlington House,
Piccadilly, London W1V 0JU**

All interested are very welcome

Tea will be served at 4.30 p.m.