

LMS NEWSLETTER

No. 68

April 1980

DATES OF SOCIETY MEETINGS

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

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

Friday, 17 October 1980, Burlington
House.

Friday, 21 November 1980, London:
venue to be announced (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 1981 (? Out-of-London
Meeting).

Friday, 19 June 1981, Burlington House.

R. A. BAILEY

TWO-DAY MEETING AT MANCHESTER

The academic programme for this meeting appears overleaf.

Dinner. Tickets for the dinner (which will be held in the Manchester University Refectory nearby) will cost £5. Payment must be made at least ten days in advance, preferably by cheque payable to "F. B. Coghlan (Dinner Account)".

Travel information. Bus. Numbers 41–45 from Piccadilly Gardens (about 300 yards from Piccadilly Railway Station) to University. The University is about 15 minutes walk from the railway station.

Car. The University is situated on the A34 (Oxford Road) about 1 mile south of the City Centre. The Mathematics Building is the tall building opposite the Main

Building.

Accommodation. Hotels in City Centre: Grand Hotel, Aytoun Street, 236–9559. Portland Hotel, 3 Portland Street, 228–3400.

Hotels about $2\frac{1}{2}$ miles south of the University on Wilmslow Road (A34) and on main bus route: Lansdowne Hotel, 346 Wilmslow Road, Manchester 14, 224–6244. Willow Bank Hotel, 340 Wilmslow Road, Manchester 14, 224–0461.

The S.T.D. code for Manchester is 061.

A more detailed information sheet on buses, car routes, hotels etc. is available. For this or in case of enquiries, write to F. B. Coghlan, Department of Mathematics, The University, Oxford Road, Manchester M13 9PL.

VARIATIONAL METHODS IN ANALYSIS

A conference on variational methods in analysis will be held in honour of H. Golomb at Purdue University on 9–11 May 1980. Invited speakers include F. Browder (Chicago), C. Dafermos (Brown), A. Friedman (Northwestern), J. Hale (Brown), J. Jerome (Northwestern),

P. Rabinowitz (Wisconsin), P. Smith (Texas A & M) and H. Weinberger (Minnesota).

Further details can be obtained from L. Lipschitz Mathematical Sciences Building, Purdue University, West Lafayette, Indiana 47907, U.S.A.

APPROXIMATION THEORY

A workshop on the theory of approximation and its applications will be held in Haifa, Israel on 5 May–25 June 1980.

Further details can be obtained from Z. Ziegler, Department of Mathematics, Technion, Haifa, Israel.

CONFERENCE ON OPERATOR THEORY

An international conference on operator theory will be held on 2-12 June 1980 in Timisoara and Herculane, Rumania. Invited speakers include E. Albrecht (Saarbrücken), J. Anderson (Philadelphia), T. Ando (Sapporo), D. Z. Arov (Odessa), S. Brown (Honolulu), R. G. Douglas (Stony Brook), D. A. Herrero (Caracas), I. Gohberg (Tel Aviv), A. N. Nikolskii

(Leningrad), C. M. Pearcy (Ann Arbor), J. Rovnyak (Aachen), K. Schmüdgen (Leipzig), B. Sz.-Nagy (Szeged) and J. P. Williams (Bloomington).

Further details can be obtained from O.T. Conference, Department of Mathematics, Increst, Bd. Pacii 220, 77538 Bucharest, Rumania.

CONFERENCE ON NONLINEAR PHENOMENA

An international conference on nonlinear phenomenon in mathematical sciences will be held in Arlington, Texas on 16-20 June 1980. Invited speakers include F. Browder, L. Cesari, J. K. Hale, E. E. Infante, A. T. Banks, C. M. Dafermos, J. D. Achenbach, M. Z. Nashed, J. Nohel, G. Papanicolaou, J. Mawhin, J. P. Gossez, W. Walter, K. Deimling, H. Amann, P. Hess, V. Rumjantsev, V. M. Matsosov,

L. Salvadori, P. Bassanini, A. Miele, R. D. Driver, E. Roxin, T. Hallam, J. Goldstein, S. Reich, K. Kumisch, C. Corduneanu, R. Rosen, J. Frehse, R. Faure and J. Cronin.

Further details can be obtained from V. Lakshmikantham, Department of Mathematics, The University of Texas at Arlington, Arlington, Texas 76019, U.S.A.

FUNCTIONAL ANALYSIS, HOLOMORPHY AND APPROXIMATION THEORY

An International Seminar on Functional Analysis, Holomorphy and Approximation Theory will be held at Universidade Federal do Rio de Janeiro on 4-8 August 1980. L. Schwartz (Paris) and P. Lelong (Paris) are among the invited speakers. The organizing committee is formed by J. A.

Barroso, S. Machado, M. C. Matos, J. Mujica, L. Nachbin, D. Pisanelli, J. B. Prolla and G. I. Zapata. For further information, write to J. A. Barroso, Instituto de Matemática, Universidade Federal do Rio de Janeiro, Caixa Postal 1835, 21910 Rio de Janeiro, RJ Brasil.

CATEGORICAL ASPECTS OF TOPOLOGY AND ANALYSIS

An international conference on the categorical aspects of topology and analysis will be held on 11-15 August 1980 at Carleton University, Ottawa. Invited speakers include M. Barr (McGill), H. L. Bentley (Toledo), G. C. L. Brumner (Cape Town), R. Dyckhoff (St. Andrews), J. W. Gray (Urbana), P. T. Johnstone (Cambridge), K. A. Hardie (Cape Town) P. J. Hilton (Battelle), H. Herrlich (Bremen), R. E. Hoffman (Bremen), K. H. Hofmann (Tulane), S. S. Hong (Sogang), M. Husek (Prague), J. Lambek (McGill), F. W. Lawvere

(Buffalo), F. E. J. Linton (Wesleyan), P. Michor (Wien), C. J. Mulvey (Sussex), H. Porta (Urbana), G. Preuss (Berlin), G. Salicrup (Mexico), Z. Semadeni (Polish Acad. Sci.), U. Seip (Konstanz), H. Simmons (Aberdeen), G. E. Strecker (Kansas State), G. Takeuti (Urbana), W. Tholen (Fernuniv.), M. B. Wischnewsky (Bremen) and O. Wyler (Carnegie-Melon).

Further details can be obtained from L. D. Nel, Department of Mathematics, Carleton University, Ottawa, Canada K1S 5B6.

ASSOCIATION OF SYMBOLIC LOGIC SUMMER MEETINGS

The association will hold two summer meetings this year, at Patras, Greece on 18-22 August 1980 and at Prague, Czechoslovakia on 24-30 August 1980. Further details can be obtained from Logic Sym-

position, Chair of Logic and Set Theory, University of Patras, Patras, Greece for the first and P. Hajek, Mathematics Section, Czechoslovakian Academy of Sciences, Zitna 25, 11567 Prague 1, Czechoslovakia.

SYMPOSIUM ON FUNCTIONAL EQUATIONS

An international symposium on functional equations will be held at Waterloo, Ontario on 25 August–7 September 1980. Invited speakers include L. Reich (Vienna), J. Rätz (Basle), F. Radó (Cluj-Napoca), L. Paganoni (Milan), C. T. Ng (Waterloo, Ont.), F. Neuman (Brno), M. Z. Nashed (Newark, Delaw.), Z. Moszner (Cracow), M. Kuczma (Katowice), J. H. B. Kemperman (Rochester, N.Y.), M. Hosszú (Gödöllő), J. Dhombres (Nantes), W. Benz (Hamburg), G. Aumann (Munich) and J. Aczél (Waterloo, Ont.).

Further details can be obtained from J. Aczél, Pure Mathematics Department, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1.

SINGULARITIES IN BOUNDARY VALUE PROBLEMS

A N.A.T.O. advanced study institute on singularities in boundary value problems will be held in Maratea, Italy on 22 September–3 October 1980. The lecturers are J. Chazarain (Nice), G. Eskin (Jerusalem), L. Hörmander (Lund), R. Lascar (Paris), M. Matsumura (Tokyo), R. Melrose, (Boston), J. Ralston (Los Angeles),

P. Shapira (Paris), J. Sjöstrand (Paris) M. Taylor (Houston), S. Wakabayashi (Tokyo).

Further information can be obtained from the Director, H. G. Garnir, Université de Liège, Institut de Mathématique, 15 ave. des Tilleuls, B4000 Liège, Belgium.

OPERATOR ALGEBRAS AND GROUP REPRESENTATIONS

An international conference on operator algebras and group representations will be held on 1–13 September 1980 in Neptun, Rumania. Invited speakers include J. Aarnes (Trondheim), A. Borel (Princeton), L. Brown (Purdue), F. Combes (Orléans), A. Connes (Paris), J. Cuntz (Heidelberg), R. G. Douglas (Stony Brook), M. Duflo (Paris), E. G. Effros (Philadelphia), G. A. Elliott (Copenhagen), I. M. Gel'fand (Moscow), R. Howe (New Haven), A. Hulanicki (Wroclaw), R. V. Kadison (Philadelphia), A. A. Kirillov (Moscow), B. Kostant (Cambridge, Mass.), M. B. Landstad (Trondheim), H. Leptin (Bielefeld), G. A. Margulis (Moscow), G. K. Pedersen (Copenhagen), D. Poguntke (Bielefeld), A. Selberg (Princeton), Ja. G. Sinai (Moscow), E. Størmer (Oslo), M. Takesaki (Los Angeles), M. Vergne (Paris), A. M. Veršik (Leningrad), N. Ja. Vilenkin (Moscow), J. A. Wolf (Berkeley) and E. J. Woods (Kingston).

Further details can be obtained from OAGR Conference, Department of Mathematics, Increst, Bd. Pacii 220, 77538 Bucharest, Rumania.

BOOKS RECEIVED FOR REVIEW IN THE BULLETIN

Complimentary copies of the books listed below have been received from their publishers by the Society. Those for which the *Bulletin* is unable to publish a review will be lodged in the Society's library at University College, London, where they are available for inspection and use by members.

K. J. Devlin: Fundamentals of Contemporary Set Theory (Springer)

J.-I. Igusa: Lectures on Forms of Higher Degree (Springer for Tata Institute)

M. Miyanishi: Lectures on Curves on Rational and Unirational Surfaces (Springer for Tata Institute)

C.-C. Wang: Mathematical Principles of Mechanics and Electromagnetism a. Analytical and Continuum Mechanics (Plenum Press)

C.-C. Wang: Mathematical Principles of Mechanics and Electromagnetism b. Electromagnetism and Gravitation (Plenum Press)

M. Denker & K. Jacobs: Ergodic Theory (Springer)

- H.-O. Peitgen & H.-O. Walther:** Functional Differential Equations and Approximation of Fixed Points (Springer)
- Y. Nakagami & M. Takesaki:** Duality for Crossed Products of von Neumann Algebras (Springer)
- F. Bloom:** Modern Differential Geometric Techniques in the Theory of Continuous Distributions of Dislocations (Springer)
- D. Handelman & J. Lawrence** (Eds.): Ring Theory, Proceedings Waterloo 1978 (Springer-Verlag)
- B. Aupetit:** Propriétés Spectrales des Algèbres de Banach LNM 735 (Springer-Verlag)
- E. Behrends:** M-Structure and the Banach-Stone Theorem (Springer-Verlag)
- G. Grätzer:** Universal Algebra, 2nd ed. (Springer-Verlag)
- P. J. Brown:** Writing Interactive Compilers and Interpreters (Wiley)
- S. Lang:** Calculus of Several Variables, 2nd. ed. (Addison-Wesley)
- P. Hoffman & V. Snaith** (Eds.): Algebraic Topology, Proceedings Waterloo 1978, LNM 741 (Springer-Verlag)
- K. Clancey:** Seminormal Operators, LNM 742 (Springer-Verlag)
- C. A. Cazacu, A. Cornea, M. Jurchescu & I. Suciu** (Eds.): Romanian-Finnish Seminar on Complex Analysis, Proceedings Bucharest 1976, LNM 743 (Springer-Verlag)
- A. J. Silberger:** Introduction to Harmonic Analysis on Reductive P-adic Groups (Princeton University Press)
- L. J. Corwin & R. H. Szwarczow:** Calculus in Vector Spaces (Dekker)
- J. Ballantyne** (Ed.): Audio-Visual Aids (BUFC)
- G. W. Brumfiel:** Partially Ordered Rings and Semi-Algebraic Geometry, LMS LN 37 (Cambridge University Press)
- S.-O. Londen & O. J. Staffans:** Volterra Equations, Proceedings Otaniemi, Finland 1978, LNM 737 (Springer)
- P. Eymard, J. Faraut, G. Schiffmann, R. Takahashi:** Analyse Harmonique sur les Groupes de Lie II, LNM 739 (Springer)
- P. E. Conner:** Differential Periodic Maps, 2nd ed., LNM 738 (Springer)
- M. P. Malliavin** (Ed.): Séminaire d'Algèbre Paul Dubreil, LNM 740 (Springer)
- H. Gross:** Quadratic Forms in Infinite Dimensional Vector Spaces, Progress in Mathematics I (Birkhäuser)
- W. Schempp & K. Zeller** (Eds.): Multivariate Approximation Theory, Proceedings Oberwolfach 1979 (Birkhäuser)
- R. B. Burckel:** An Introduction to Classical Complex Analysis (Birkhäuser)
- G. Pedersen:** C^* -Algebras and their Automorphism Groups (Academic Press)
- J. H. Pollard:** A Handbook of Numerical and Statistical Techniques (Cambridge University Press)
- I. G. Macdonald:** Symmetric Functions and Hall Polynomials (Oxford University Press)
- P. J. Davis:** Circulant Matrices (Wiley)
- A. Graham:** Matrix Theory and Applications for Engineers and Mathematicians (Ellis Horwood)
- D. G. Luenberger:** Introduction to Dynamic Systems, Theory, Models and Applications (Wiley)
- D. Bostock:** Logic and Arithmetic Vol. 2 (Clarendon Press)
- G. Logo & L. M. Benningfield:** Circuit and System Theory (John Wiley)
- R. Honsberger** (Ed.): Mathematical Plums, Dolciani Mathematical Expositions No. 4 (Mathematical Association of America)
- I. Reiner & K. W. Roggenkamp:** Integral Representations, LNM 744 (Springer-Verlag)
- D. K. Haley:** Equational Compactness in Rings, LNM 745 (Springer-Verlag)
- P. Hoffman:** τ -Rings and Wreath Products Representations (Springer-Verlag)
- I. Laine, O. Lehto & T. Sorvali** (Eds.): Complex Analysis, Proceedings Joensuu 1978, LNM 747 (Springer-Verlag)
- A. F. Horadam & W. D. Wallis** (Eds.): Combinatorial Mathematics, VI, Proceedings Armidale, Australia, 1978, LNM 748 (Springer-Verlag)
- V. Girault & P.-A. Raviart:** Finite Element Approximation of the Navier-Stokes Equations, LNM 749 (Springer-Verlag)
- J. C. Jantzen:** Moduln mit einem höchsten Gewicht, LNM 750 (Springer-Verlag)

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TRUSTEE ON APPLIED PROBABILITY TRUST: G. E. H. Reuter (Prixy is P. A. P. Moran) ('71-).

ARCHIVES: Librarian.

PHOTOGRAPHIC ARCHIVES: D. G. Kendall ('74-), Librarian.

COLLINGWOOD PRIZE: P. J. Higgins.

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