

LONDON MATHEMATICAL SOCIETY

Joint Symposium with the INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS

in celebration of the ninetieth birthday of

PROFESSOR J. E. LITTLEWOOD, F.R.S.

Professor Sir Hermann Bondi,
K.C.B., F.R.S.

Professor J. W. S. Cassels,
F.R.S.

} *Chairmen*

Professor M. F. Atiyah, F.R.S.

Dr. J. C. Burkill, F.R.S.

Dame Mary Cartwright, D.B.E., F.R.S.

Professor W. K. Hayman, F.R.S.

Professor D. G. Kendall, F.R.S.

Professor E. C. Zeeman, F.R.S.

MONDAY, 9 June, 1975, at 10 a.m.

(First lecture at 11 a.m.)

**Churchill College,
Cambridge.**

LONDON MATHEMATICAL SOCIETY

PROFESSOR BARRY C. MAZUR (Harvard)

RATIONAL POINTS ON ALGEBRAIC CURVES

PROFESSOR LARS V. AHLFORS (Harvard)

The 1975 HARDY LECTURE

WHAT HAS HAPPENED TO CLASSICAL FUNCTION THEORY?

MONDAY, 16 June, 1975, at 3.30 p.m.

Lecture Room G6,
Engineering Building,
University College,
Gower Street,
London, W.C.1.

Tea will be served at 4.30 p.m. in the Houseman Room.
Euston Square underground station is on Gower Street. Proceed south along
Gower Street, turn L. at Torrington Place. Opposite Dillons bookshop is a
passageway; the Engineering Building is the first on the left.

LMS NEWSLETTER

No. 22

July/August 1975

EDITOR'S NOTE

Due to circumstances beyond our control, the June Newsletter appeared a few days

late. We regret any inconvenience that may have been caused.

LMS PERIODICALS

Many members will be aware that the *Journal* and *Proceedings* have been operating a moratorium on new papers for several months. This moratorium is now over, and papers submitted to the appropriate Editors will be considered for publication in the usual way. However for

financial reasons the *Journal*, *Proceedings* and *Bulletin* are now reduced in size, and standards of acceptance will be correspondingly higher. It is hoped that this will result in a substantial improvement in the quality of the Society's periodicals.

P. J. HIGGINS

A.M.S. TRANSACTIONS

In an effort to improve the quality of the *Transactions*, the Transactions Editorial Committee has recommended to the A.M.S. Trustees a substantial reduction in the number of pages to be printed in the *Transactions*. It intends to notify its referees of sharply increased standards for acceptance, and plans to enforce strictly these standards which include originality,

wide readership and careful presentation. Authors will be encouraged to delete routine material, and to shorten their papers wherever possible without affecting their readability; special attention should be directed towards excising repetitive proofs.

A. H. LACHLAN (*Chairman*)
(A.M.S. Notices)

REFERENCES FOR RECENT LECTURES

Professor J.-P. Serre: H. P. Swinerton-Dyer, On l -adic representations and congruences for coefficients of modular forms, Proc. Antwerp Sum. School, vol. III. Springer L. N. no. 350, 1-55. J.-P.

Serre, Divisibilité des coefficients des formes modulaires de poids entier, CR Acad. Sci. Paris, 279 (1974), 679-682. P. Deligne and J.-P. Serre, Formes modulaires de poids 1, Ann. Sci. E.N.S., 7 (1974), 507-530.

NATIONAL ACADEMY OF SCIENCES

The United States National Academy of Sciences has announced the election of the following mathematicians to its membership: Herbert Federer, Paul R. Garabedian,

Jack C. Kiefer, Donald E. Knuth, David Mumford, Hirsh Z. Griliches, Roy Radner, Charles Stein, Gertrude Cox, Max Mathews.

L.M.S. MEETINGS

Members may wish to be reminded of the following meetings in the summer vacation (cf. the *Newsletters* of 1974 and April 1975).

1. Durham Symposium on Convexity, 21 July-1 August (D. G. Larman and C. A. Rogers).

2. Instructional Conference (NATO

Advanced Study Institute), Discrete groups and automorphic functions, Cambridge, 28 July-15 August (A. F. Beardon).

3. Durham Symposium on L-functions and Galois properties of number fields, 2-13 September (A. Fröhlich and S. M. J. Wilson).

FORTHCOMING MEETINGS

1. August 3-16, 1975. NATO Advanced Study Institute on long-time prediction in dynamics, Cortina d'Ampezzo, Italy. Information: Victor Szebehely, University of Texas, Austin, Texas 78712.
 2. August 11-13, 1975. Conference on the theory of approximation, University of Calgary, Alberta, Canada. Information: B. N. Sahney, Mathematics Department, Calgary T2N 1N4.
 3. August 11-15, 1975. Regional Conference on the stability of dynamical systems: theory and applications, Mississippi State University. Information: John R. Graef, Department of Mathematics, Mississippi State University, Mississippi 39762.
 4. August 12-14, 1975. Symposium on the simulation of computer systems, Boulder, Colorado. Information: John Caron, FEDSIM/NA, Washington, D.C. 20330.
 5. August 25-29, 1975. International summer school on program analysis and optimization, Technion City, Haifa, Israel. Information: J. Raviv, IBM Isreal Scientific Center, Technion City, Haifa, Israel.
 6. August 25-29, 1975. Colloquium on Information Theory, Hungary. Information: I. Csiszár, Mathematical Institute of the Hungarian Academy of Sciences, 1053 Budapest, Reáltanoda u. 13-15.
 7. August 25-September 2, 1975. Third session of CIME on differential operators on manifolds, Varenna, Como, Italy. Information: A. Moro, CIME Istituto Matematico "U. Dini", Viale Morgagni 67/A, 50134 Firenze, Italy.
 8. September 1-2, 1975. Symposium on signal processing for arrays, Australia. Information: H. A. d'Assumpcao, WRE, Box 2151, G.P.O., Adelaide, South Australia 5001.
 9. September 3-9, 1975. Seventeenth Polish solid mechanics conference, Szczyrk, Poland. Information: M. Matczynski, Institute of Fundamental Technological Research, Swietokrzyska 21, 00-049 Warsaw.
 10. September 9-11, 1975. Symposium on sparse matrix computations, Argonne, Illinois. Information: James R. Bunch, Department of Mathematics, University of California, San Diego, La Jolla, California 92037.
 11. September 22-27, 1975. Tenth congress of the Unione Matematica Italiana, Cagliari, Italy. Information: Unione Matematica Italiana, X Congresso, Cagliari, Italy.
 12. September 24, 1975. Leeds-Sheffield Ring Theory Day, at the University of Sheffield. Information: Dr. R. Y. Sharp, Department of Pure Mathematics, The University, Sheffield S3 7RH.
- Advanced Notice* (Details will appear soon in Notices of the A.M.S.): October 3-4 Third annual mathematics and statistics conference, Miami; November 3-7 Conference on the latest research results in commutative algebra, Northwestern University; November 10-13 Euromech 69: Large elastic deformations of discrete systems, Hungary; November 13-15 Annual conference on undergraduate mathematics, North Carolina; November 17-19 Joint ORSA/TIMS National meeting, Las Vegas; December 3-5 SIAM-SIGNUM 1975 Fall meeting, San Francisco; December 29-January 3 International research symposium on relativity and unified field theory, Calcutta; January 1-7 Annual conference of international level of international centre for applied analysts, Calcutta; January 19-21 Third A.C.M. SIGACT-SIGPLAN symposium on principles of programming languages, Atlanta, Georgia; June 7-11, 1976 Congress of rational mechanics, Yugoslavia; August 16-21, 1976 Third international congress on mathematical education (ICME). Karlsruhe.
- 30 March-2 April, 1976. Dundee Conference on the theory of ordinary and partial differential equations. Information sheets and application forms will be available in October 1975 from the Organising Secretaries, Differential Equations 1976 Conference, Department of Mathematics, The University, Dundee, DD1 4HN.
- 6-11 September, 1976. Eighth International Congress on Cybernetics, Namur, Belgium. Information: Secretariat of the International Association for Cybernetics, Palais des Expositions, Place André Rijckmans, B-5000 Namur, Belgium.