

LONDON MATHEMATICAL SOCIETY

PROFESSOR D. MOSTOW (Yale)
LATTICES IN LIE GROUPS

PROFESSOR J.-P. SERRE (Paris)
MODULAR FORMS AND GALOIS GROUPS

PROFESSOR L. HÖRMANDER (Lund)
PSEUDO-DIFFERENTIAL OPERATORS
WITH DOUBLE CHARACTERISTICS

FRIDAY, 16 May, 1975, at 11.30 a.m.

Wellcome Lecture Hall,
The Royal Society,
6 Carlton House Terrace,
London, S.W.1.

Directions: from Piccadilly Circus underground station, proceed along Haymarket, turn R. into Pall Mall, L. into Waterloo Place, then L. into Carlton House Terrace.

Reminder: any further members requiring lunch and afternoon tea should write immediately to J. L. Britton, Department of Mathematics, Queen Elizabeth College, London W8 7AH, enclosing a cheque for £1.40 payable to the Society.

LMS NEWSLETTER

No. 20

May 1975

DATES OF MEETINGS

From October next, meetings of the Society will normally be held on Fridays. Moreover meetings will usually be on the third Friday of each month (October-June) except for the December meetings, which

will be on the second Friday.

However, Council have agreed that the 1975 Annual General Meeting should be held on Friday, 14 November.

JOINT I.M.A. AND L.M.S. SYMPOSIUM

As announced in the Newsletter of December, 1974, there will be a joint I.M.A. and L.M.S. symposium, entitled "Excitement in Mathematics", on 9 June, 1975, at Churchill College, Cambridge. This meeting will be held on, and in celebration of, the ninetieth birthday of Professor J. E. Littlewood, F.R.S. Professor Littlewood hopes to be present for at least part of the meeting.

The chair will be taken by Professor Sir Hermann Bondi, K.C.B., F.R.S., and Professor J. W. S. Cassels, F.R.S. The speakers will include: 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., and Professor E. C. Zeeman, F.R.S.

Places at the Symposium may be reserved now by sending the appropriate remittance to the Secretary and Registrar, I.M.A., Maitland House, Warrior Square, Southend on-Sea, Essex, SS1 2JY. Please state title, name, address and institution. Cheques should be payable to the Institute of Mathematics and its Applications.

Fees, including coffee, lunch and tea: £2.50 for I.M.A. or L.M.S. members; £5.00 for non-members.

SALE OF BACK ISSUES OF THE BULLETIN

The Society is offering Members of the Society Volumes 1-6 of the Bulletin of the London Mathematical Society at a price of £3 for all 6 volumes.

Orders should be sent to Mrs. Shalit at the L.M.S. Office, Burlington House, Piccadilly, London W1V 0NL.

REFERENCES FOR RECENT LECTURES

Professor H. Flanders:

H. Flanders Infinite Networks I, I.E.E.E. Trans Circuit Theory 18(1971), 326-331.
A. Zemanian Infinite Networks of positive operators, Inter Jour of Circuit Theory Appl 2 (1974) 69-78.
P. M. Lin Determination of available power from resistive multiports, I.E.E.E. Trans Circuit Theory 19 (1972) 385-386.
C. A. Desoer The maximum power transfer theorem for n -ports, I.E.E.E. Trans Circuit Theory 20

(1973) 328-329.
H. Flanders and H. Wimmer Positive operators and a problem in control theory Linear Alg and its Appl 8 (1974) 39-42.

Professor S. Eilenberg:

The material of Professor Eilenberg's talk will be contained in Chapter II of his book "Automata, Languages and Machines", volume B, due to be published by the Academic Press late in 1975.

WELDON MEMORIAL PRIZE

The Weldon Memorial Prize for 1974 has been awarded to Professor D. G. Kendall, F.R.S., of Churchill College, Cambridge. This prize, founded in 1907 in memory of Professor W. F. R. Weldon (former Linacre Professor of Comparative Anatomy at Oxford) is awarded every

three years for outstanding contributions to Biometric Science. The award is made by a Board of Electors appointed by Oxford University, but is not restricted to Oxford, or indeed to British, mathematicians.

D. A. BRANNAN

HARDY LECTURER

The L.M.S. Hardy Lecturer for 1975, Professor Lars V. Ahlfors (Harvard), will be visiting the following universities and will be giving lectures as indicated in the table below. Professor Ahlfors will spend a few days at each university; for details of these dates please write to the Local Organiser of the university concerned.

The Hardy Lecture will be given on Monday, 16 June, in University College, London; details of this will appear in the June Newsletter.

University	Date	Time	Title	Local Organizer
Sussex	20 May	4 p.m.	III	Dr. P. J. Bushell
St. Andrews	22 May	4.15 p.m.	I	Dr. D. M. E. Foster
Aberdeen	27 May	4 p.m.	II	Dr. C. Maclachlan
Glasgow	30 May	2 p.m.	II	Prof. R. A. Rankin
York	2 June	5 p.m.	II	Prof. J. H. Williamson
Warwick	4 June		II	Prof. J. Eells
Swansea	6 June	2.30 p.m.	I	Dr. H. P. Rogosinski
Cambridge	11 June	5 p.m.	II	Prof. J. W. S. Cassels
Oxford	13 June	8.30 p.m.	III	Prof. M. F. Atiyah
Imperial College	17 June	11.30 a.m.	I	Dr. T. Kövari

- I Conformal invariants and quasiconformal mappings
- II Fuchsian and Kleinian groups
- III Invariant operators in hyperbolic space.

The places of the lectures are as follows:

Sussex: Lecture room PB1A6 of the Mathematical and Physical Sciences Building

St. Andrews: Mathematical Institute, Lecture Theatre A

Aberdeen: Room 13, King's College, Old Aberdeen

Glasgow: Room 1c, Mathematics Department

York: Vanbrugh College

Swansea: Mathematics Department

Cambridge: Room A, Arts School, Bene't Street

Oxford: Sunley Lecture Theatre, St. Catherine's College

J. L. BRITTON

£200 ESSAY PRIZE

The Bertrand Russell Memorial Logic Conference is offering a prize of £200 for an essay which examines in detail some aspect of the relationship between mathematics and the development of social or economic conditions. The essay should be of general interest to mathematicians and should include a consideration of current

mathematical practice.

Essays should be submitted by February 1st 1976. Prospective entrants should read the further particulars which are available from Dr. A. Slomson, School of Mathematics, The University, Leeds LS2 9JT, England.

POSTER SESSIONS

At the A.M.S. Summer Meeting at Western Michigan University, Kalamazoo, August 18-22, 1975, an innovation will be the introduction of a poster session for contributed papers. Individuals will display their papers either on an easel or on a bulletin board, and will remain in the room set aside for this purpose to expand on the material and answer questions during a two-hour session. Individuals can indicate

their preference for this session or for the traditional ten-minute talk sessions.

The intention of this session is to allow communication on a personal basis between the presenter and those really interested in the subject of the paper. The display can be of graphs, tables, text, or any format that seems applicable. (If you are interested in this, the magazine *Science* had a report on poster sessions in its 28.6.74 issue.)

TRANSLATORS

Allerton Press, Inc., 150 Fifth Avenue, New York, N.Y. 10011, have vacancies, both part-time and full-time, for qualified

mathematical Russian-into-English translators.

FORTHCOMING MEETINGS

Séminaire de Mathématiques Supérieures: June 16–July 11, 1975 on Numerical Methods in Applied Mathematics. Information: A. Daigneault, Department of Mathematics, Université de Montréal, C.P.6128, Montréal, Québec, Canada H3C 3J7.

Symposium on Calculus of Variations and Control Theory, September 22–24, 1975, to honour L. C. Young on the occasion of his retirement. Information: D. L. Russell, Mathematics Research Center, University of Wisconsin-Madison, 610 Walnut Street, Madison, Wisconsin 53706.

COLLECTIONS OF REVIEWS

The A.M.S. Committee to Monitor Problems in Communication is interested in receiving topic suggestions and names of editors and compilers for collections of reviews to be considered for publication by the Society. To date, review collections covering the fields of algebraic topology, finite groups, infinite groups, and number theory have appeared; and a collection on differential geometry, to be edited by Michael Spivak, has been approved by the Council of the A.M.S. Any well defined field that would be valuable to research

and especially to applied mathematicians, will be considered. The field may be much more narrowly defined than those collections so far published. Suggestions of topics and of people capable of editing and compiling such collections should be sent to Leonard Gillman, Chairman of the Committee to Monitor Problems in Communications, American Mathematical Society, Post Office Box 6248, Providence, Rhode Island 02940.

(from A.M.S. Notices)

HOUSTON JOURNAL OF MATHEMATICS

The Houston Journal of Mathematics is a new international journal that will appear quarterly. The scope of the journal is intended to be broad, covering all areas of mathematics. The journal is being supported in part by the American Mathematical Society.

The members of the Editorial Board are R. H. Bing, David G. Bourgin, Jutta Hausen (Associate Managing Director), Gordon G. Johnson (Managing Editor), Johnny A. Johnson (Associate Managing

Editor), Bjarni Jonsson, Andrzej Lelek, John S. MacNerney, J. W. Neuberger, B. H. Neumann and Jurgen Schmidt.

The subscription price is \$35 per volume (\$40 if sent outside the United States and Canada). Subscriptions received prior to September 1975 will receive all issues published in 1975 and 1976 for \$35.

For information write to Gordon G. Johnson, Houston Journal of Mathematics, University of Houston, Texas 77004.

WORLD CONFERENCE ON GIFTED CHILDREN

This conference on 8th–12th September, 1975, the first of its kind and planned by the National Association for Gifted Children, is being held in the Hall of the Royal College of Surgeons and King's College. The fourteen main speakers include Paul Torrance, George Parkyn and Harry Passow; in addition there will be a number of separate group discussions. The mathematical part of the programme will be in the hands of Professor and Mrs.

W. K. Hayman (Imperial College, London).

The programme is available from Conference Services, 43 Charles Street, London W1X 7PB.

H. COLLIS

(*Editor's Note:* Annual membership of the N.A.G.C. costs £2, and is good value; there is a reduced conference fee of £25 and a daily board rate of £5 for N.A.G.C. members.)