

**LONDON MATHEMATICAL
SOCIETY**

DR. CHRISTOPHER LANCE (Manchester)

NON-COMMUTATIVE ERGODIC THEORY

and

PROFESSOR IAN N. SNEDDON (Glasgow)

**ERDELYI-KOBER OPERATORS OF FRACTIONAL
INTEGRATION**

FRIDAY, 21 March, 1975 at 3.30 p.m.

**Lecture Theatre D,
Applied Sciences and Mathematics Building,
The University,
Cottingham Road,
Hull.**

Tea will be served at 4.30 p.m.

LMS NEWSLETTER

No. 18

March 1975

GENERAL MEETING

There will be a General Meeting of the Society at 3.30 p.m. on Friday, 21 March 1975, in Lecture Theatre D, Applied Sciences and Mathematics Building, The University, Cottingham Road, Hull.

At this meeting the following motion will be proposed by the Council of the Society:

That By-Law I,1 be deleted, and replaced by the following:

“ The Council shall meet at least four times during the session; and any three members of Council may, by letter to one of the Secretaries, require an extra meeting of the Council to be called ”.

(The purpose of this change is to allow Council some flexibility in the frequency of its meetings).

D. A. BRANNAN,
J. L. BRITTON

SOCIETY DINNER

As announced elsewhere, the L.M.S. meeting on Friday, 21 March will be held at the University of Hull. There will be a Society dinner in the evening at 6.45 p.m. for 7 p.m. The charge per person, inclusive of wines, will be £3.00. Would those

wishing to come please write to me *as soon as possible*, enclosing a cheque. My address is Department of Pure Mathematics, The University, Cottingham Road, Hull, HU6 7SZ.

W. H. COCKCROFT

DURHAM SYMPOSIA, 1976 and 1977

The programme for 1976 is taking shape. At recent meetings of Council two Symposia have been approved, subject to availability of financial support; one, on Partial Differential Equations, from 12 July to 23 July, organized by Professor D. E. Edmunds of the University of Sussex; and a second, on Conformal Mapping and Potential theory, from 2 July to 12 July, organized by Professor W. K. Hayman of Imperial College. Further particulars of both meetings will be announced in due course. A third Symposium is under discussion, and we hope to be able to announce its title shortly.

We hope also to arrange three Symposia in the summer of 1977, and I should like to be in a position to put some firm proposals before Council at its meeting on 16 June, 1975. Would members of the Society who have suggestions to make of possible topics please write to me in good time, and certainly no later than the

end of May? It is important to remember that the Science Research Council is likely to be the chief source of financial support for these Symposia, and that the funding of conferences is (in general) outside its terms of reference. Therefore a clear, scientific case arguing the special importance of the proposed theme should accompany each suggestion. Themes which seek to establish or to strengthen connections between different branches of mathematics, or between mathematics and other fields, are especially welcome. I imagine that some members with ideas will wish to explore these initially in a tentative way, and I shall be glad to enter into discussions with them; they, and indeed anyone seeking further information, should write to me at the Mathematics Department, The University, Nottingham NG7 2RD (Telephone 0602-56101).

H. HALBERSTAM

FORTHCOMING MEETINGS

There will be no meeting of the Society in April.

The May meeting will be held on Friday, 16 May, in the Royal Society's rooms, London; there will be three speakers at this meeting and details will be announced later.

The June meeting will be on Monday, 16 June at University College, London. The speakers will be Professor Barry Mazur and Professor Lars V. Ahlfors, who will deliver the 1975 Hardy Lecture.

J. L. BRITTON

LMS LECTURE NOTE SERIES

For each volume the first price given is the list price, the second is the price to members, while the third and fourth entries are the list and members prices,

respectively, in U.S. or Canadian Dollars.

Orders and payment should be sent to Mrs. Shalit, London Mathematical Society, Burlington House, London, W.1.

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|---|-------|-------|--------|--------|
| 1. General Cohomology Theory and K-Theory. Hilton | £1.75 | £1.31 | \$4.40 | \$3.30 |
| 2. Numerical Ranges of Operators on Normed Spaces and of Elements of Normed Algebras. Bonsall & Duncan | £1.70 | £1.28 | \$4.25 | \$3.20 |
| 3. Convex Polytopes and the Upper Bound Conjecture. McMullen & Shephard | £2.85 | £2.14 | \$7.10 | \$5.35 |
| 4. Algebraic Topology Adams | £3.90 | £2.93 | \$9.75 | \$7.30 |
| 5. Commutative Algebra. Knight | £1.60 | £1.20 | \$4.00 | \$3.00 |
| 6. Finite Groups of Automorphisms. Biggs | £1.60 | £1.20 | \$4.00 | \$3.00 |
| 7. Introduction to Combinatory Logic. Hindley, Lercher and Seldin. .. . | £2.00 | £1.50 | \$5.00 | \$3.75 |
| 8. Integration and Harmonic Analysis on Compact Groups. Edwards | £2.80 | £2.10 | \$7.00 | \$5.25 |
| 9. Elliptic Functions and Elliptic Curves Du Val | £3.30 | £2.48 | \$8.25 | \$6.20 |
| 10. Numerical Ranges II. Bonsall & Duncan | £2.40 | £1.80 | \$6.00 | \$4.50 |
| 11. New Development in Topology. Segal | £2.60 | £1.95 | \$6.50 | \$4.88 |
| 12. Proceedings of the Symposium on Complex Analysis, Canterbury, 1973. Clunie & Hayman | £3.00 | £2.25 | \$7.50 | \$5.63 |
| 13. Combinatorics. McDonough & Mavron | £3.20 | £2.40 | \$8.00 | \$6.00 |
| 14. Analytic Theory of Abelian Varieties Swinerton-Dyer | £1.90 | £1.43 | \$4.75 | \$3.56 |
| 15. An Introduction to Topological Groups. Higgins | £2.00 | £1.50 | \$5.00 | \$3.75 |

OTHER MEETING

Professor Tammo tom-Dieck (University of Göttingen) will give a series of lectures in Equivariant Topology. This will take place at the University of Newcastle during the early part of April—

before the B.M.C.

Further details are available from Dr. Czes Kosniowski, School of Mathematics, University of Newcastle, Newcastle upon Tyne NE1 7RU.

REFERENCES FOR RECENT LECTURES

Dr. D. Chillingworth (January):
D. R. J. Chillingworth, The catastrophe of the buckling beam, to appear in: Proceedings of the Symposium on Applications of Topology and Dynamical Systems, U. of Warwick, 1973/74, (ed. A. K. Manning).

J. M. Ball, Stability theory for an extensible beam, *J. Differential Equations*, 14 (1973), 399-418.

D. Gromoll and W. Meyer, On differentiable functions with isolated critical points, *Topology* 8 (1969), 361-9.

PROCEEDINGS OF SPECTRAL THEORY SYMPOSIUM

The Royal Irish Academy have published the Proceedings of a Spectral Theory Symposium held in Trinity College, Dublin, in March 1974. The volume, *Proceedings of the Royal Irish Academy* Vol. 74. Section A, 18-36, consists of 19 papers on Spectral Theory and the authors

include Douglas, Arveson, Berkson, Rosenthal, Sz-Nagy, Schaefer and Shields. Copies may be purchased from: The Royal Irish Academy, 19 Dawson Street, Dublin, 2 Ireland. (Price £3.45 plus postage).

T. WEST

SALEM PRIZE

The Salem Prize for 1974 was awarded to Dr. Hugh L. Montgomery, University of Michigan, for his work on Number

Theory. The jury consisted of Professors A. Zygmund, L. Carleson, J.-P. Kahane and Ch. Pisot.

INTERNATIONAL MATHEMATICAL UNION

From 1/1/75, the Secretariat of the IMU has the following address: Collège de France, 11 Place Marcelin-Berthelot, 75231 Paris Cedex 05, France.

The Executive Committee of the IMU for 1975-78 is: President: Deanne Montgo-

mery; Vice-Presidents: J. W. S. Cassels, M. Niolescu; Secretary: J.-L. Lions; Members: E. Bombieri, M. Kneser, O. Lehto, M. Nagata and L. S. Pontrjagin.

IMU BULLETIN

SUBSCRIPTIONS

Members who have not yet paid their subscription for the current session are reminded that payment is now some four months overdue. Payment should be sent

to the Treasurer, London Mathematical Society, Burlington House, Piccadilly, London W1V 0NL.