

LONDON MATHEMATICAL SOCIETY

PROFESSOR J. D. M. WRIGHT (Reading)

**ON A PROBLEM OF KAPLANSKY CONCERNING
RINGS OF OPERATORS**

PROFESSOR G. HIGMAN, F.R.S. (Oxford)

MOORE GRAPHS

FRIDAY, 12 December, 1975 at 3.30 p.m.

Rupert Beckett Lecture Theatre

The University of Leeds

Tea will be served at 4.30 p.m.

LMS NEWSLETTER

No. 25

December 1975

SOCIETY DINNER

As announced elsewhere, the L.M.S. meeting on Friday, 12 December will be held at the University of Leeds. There will be a Society Dinner, of an informal buffet type, in the evening, at 6.30 p.m.

The charge per person, inclusive of

wines, will be £2.50. 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 of Leeds, Leeds LS2 9JT.

A. W. GOLDFIE

JOINT E.M.S. AND L.M.S. MEETING

The meeting on Friday, 16 January will be held at the University of Newcastle and it will be a joint meeting of the Edinburgh Mathematical Society and the

London Mathematical Society, The meeting will commence at 3.30 p.m. and there will be two speakers, Prof. A. Erdélyi and Dr. G. Brown.

J. L. BRITTON

HONORARY MEMBER

Professor F. Hirzebruch has been elected to Honorary Membership of the Society. He was formally admitted to the Society

by the President, Professor Atiyah, at the meeting on 14 November.

BERWICK PRIZE

The 1975 Junior Berwick Prize has been awarded to Dr. R. G. Haydon (Oxford).

FORTHCOMING MEETINGS

13-15 December, 1975 Canadian Mathematical Congress. McGill University.

15-18 December. Conference on the theory and applications of reliability with emphasis on Bayesian and non-parametric methods. Tampa, Florida.

28-29 December. Annual meeting of the Association for Symbolic Logic. New York.

January-February 1976. Summer Research Institute of the Australian Mathematical Society, University of Adelaide.

1-7 January. Annual Conference of International level of International Centre for Applied Analysts. Calcutta.

5-24 January. School of Differential and Algebraic Topology. Rio de Janeiro.

10 January-27 February. Summer school on singularities of mappings and applications. Rio de Janeiro.

12-16 January. Algebraic K-theory. Northwestern University, Evanston Ill.,

18-21 January. Symposium on approximation theory. Austin, Texas.

19-21 January. Third A.C.M. SIGACT-SIGPLAN Symposium on principles of programming languages. Atlanta, Georgia.

20-21 January. Short course on mathematical aspects of production and distribution of energy. San Antonio, Texas.

26-30 January. Numerical simulation of fluid dynamics systems. Monash University, Australia.

1-4 February. Applied mathematics conference. Jindabyne, New South Wales.

10-12 February. Fourth annual A.C.M. Computer Science Conference. Anaheim, California.

12-13 February. Symposium on computer Science and education. Anaheim, California.

23-24 February. Symposium on some mathematical questions in biology. Boston.

22-24 April. Colloque Structures Economiques et Econometrie. (Econometrie, Economie Mathematique, Theorie des Jeux). Lyon.

DUNDEE CONFERENCE ON DIFFERENTIAL EQUATIONS

A conference on the theory of ordinary and partial differential equations, similar to the conferences of 1970, 1972 and 1974 will be held in the University of Dundee from 30 March to 2 April 1976. K. P. Hadeler, J. K. Hale and James Serrin have each accepted an invitation to deliver two plenary lectures. The following have also accepted invitations to speak at the conference:—H. E. Benzinger, L. Collatz, W. D. Evans, P. Grisvard, W. A. Harris Jr., P. Habets, R. J. Knops, K. Nickel, R.

Reissig, C. A. Stuart, W. Walter, J. Weidmann, W. Wendland and E. Wienholtz. Information sheets and application forms, to be returned by 20 February, 1976, are available from the Head of the Department of Mathematics in any British University or from the Organising Secretaries, Differential Equations 1976 Conference, Department of Mathematics, The University Dundee, DD1 4HN.

I. M. MICHAEL

REFERENCES FOR RECENT LECTURES

Prof. L. E. Fraenkel: Fujita, H., On the existence and regularity of the steady-state solutions of the Navier-Stokes equations, *J. Faculty Sci. Univ. Tokyo*, 9, pp. 59–102 (1961). Finn, R., Stationary solutions of the Navier-Stokes equations,

Amer. Math. Soc., Proc. Symposia Appl. Math., 17, pp. 121–153 (1965). Fraenkel, L. E., Boundary-value problems for the steady Navier-Stokes equations, to appear in *Zeitschr. Angew. Math. Mech.* (issue devoted to the 1975 Jahrestagung).

SOME REPRINTED ITEMS FROM THE A.M.S. NOTICES

1. The School of Mathematics of the Institute for Advanced Study has a limited number of research memberships available for 1976–77. Application forms should be returned to the Institute by 15 January, 1976

2. The Mehta Research Institute of Mathematics and Mathematical Physics has been established in Allahabad, India (Director: P. L. Bhatnagar). In 1975–78 it will concentrate on pure mathematics and applications of mathematics.

3. *The Pacific Journal* has increased its production capacity and reduced its backlog to near-zero. *The Houston Journal of Mathematics* (Editor: G. G.

Johnson, University of Houston) is inviting papers for publication.

4. Gordon L. Walker, the present AMS Executive Director, intends to retire about 29 October, 1977. Requests for application forms and letters suggesting possible candidates should be sent to M. Curtis, Rice University, Houston, before 1 April, 1976.

5. A two or three year post as Executive Editor of *Mathematical Reviews*, commencing not later than 1 January, 1976, is currently available. Detailed applications should be sent to D. L. Lewis, University of Michigan, Ann Arbor, by 17 November, 1975.

ADVERTISEMENTS IN THE A.M.S. NOTICES

Starting in the January 1976, issue, the AMS Notices will publish classified advertising. Suggested uses are books or lecture notes for sale or wanted, positions available, exchange or rental of houses, typing services and announcements of meetings. Advertisements must be prepaid,

at the rate of \$2.50 per line, or \$20 per column inch. (52 characters per line, 9 lines per inch).

Advertisements and cheques should be sent to: Advertising Department, American Mathematical Society, P.O. Box 6248, Providence, Rhode Island 02940, U.S.A.

DELAY IN PUBLICATION?

The receipt of galley proofs of a paper after two years, with an ominous warning that their non-return within 48 hours would cause a "delay in publication" lead the author, Ronald L. Lipsman, to compose the following ditty:

I've pestered the journal continuously,
That my paper was treated callously,
Yes, it's brought me to tears,
How they've held it for years,
In the hope of publishing it posthumously!

A. M. S. NOTICES

1976 Programme OBERWOLFACH

- 1-5 January Arbeitsgemeinschaft (H. Salzmann).
- 6-10 January Kinematik (H. R. Müller).
- 11-17 January Modelltheorie (U. Felgner, S. Koppleberg, E.-J. Thiele)
- 18-24 January Nichtlineare Functionalanalysis und ihre Anwendungen (H. Amann, N. Bazley, K. Kirchgässner).
- 25-31 January Automatisches Beweisen (W. W. Bledsoe, M. M. Richter).
- 1-7 February Differentialgleichungen der mathematischen Physik (F. W. Schütke, A. Schneider).
- 8-14 February Wahrscheinlichkeitsmasse auf Gruppen (H. Heyer, L. Schmetterer).
- 15-21 Funktionentheorie (D. Gaier, Ch. Pommerenke, H. Wittich).
- 22-28 February, Optimierung bei graphen theoretischen und ganzzahligen Problemen. (L. Collatz, G. Meinardus, W. Wetterling).
- 29 February-March 6 Mathematische Methoden in der Medizin (H. Immich, H. Klinger).
- 7-13 March, Fragen zur Didaktik der Mathematik (Chairman not named).
- 14-20 March, Regelungstheorie (H. W. Knochob, M. Thoma).
- 21-27 March, Mathematische Probleme der Geodäsie (E. Grafarend, R. Leis).
- 28 March-3 April Mathematische Stochastik (P. Gänssler, P. Révész).
- 4-10 April, Arbeitsgemeinschaft (Kneser Roquette).
- 11-17 April, Mathematische Logik (W. Felscher, E. Specker).
- 18-24 April, Grundlagen der Geometrie (F. Bachmann, E. Sperner).
- 25 April-1 May Mehrdimensionale konstruktive Funktionentheorie (W. Schempp, K. Zeller).
- 2-8 May, Konvexe Körper, geometrische Ordnungen, kombinatorische Geometrie (P. Scherk, R. Schneider, G. C. Shephard).
- 9-15 May, Allgemeine Ungleichungen (J. Aczél, G. Aumann, R. E. Bellman).
- 16-22 May, Finite Geometries (D. R. Hughes, H. Lüneberg).
- 23-29 May, Ringe, Moduln und homologische Methoden (F. Kasch, A. Rosenberg).
- 30 May-5 June Gruppentheorie. (W. Gaschütz, K. W. Gruenberg, B. Huppert).
- 6-12 June, Differentialgeometrie im Grossen (S. S. Chern, W. Klingenberg).
- 13-19 June, Algebraische Gruppen (T. A. Springer, J. Tits).
- 20-26 June, Variationsrechnung (E. Heinz, S. Hildebrandt, W. Jäger).
- 27 June-3 July, Fastringe und Fastkörper (G. Betsch).
- 4-10 July, Numerische Behandlung von Differentialgleichungen (R. Bulirsch, R. Grigorieff, J. Schröder).
- 11-17 July, Algebraische K-Theorie (A. Dress).
- 18-24 July, Modulfunktionen in mehreren Variablen (M. Eichler, H. Klingen).
- 25-31 July, Lokale Algebra und lokale analytische Geometrie (R. Berger, J. Lipman, G. Scheja).
- 1-7 August, Matematische Methoden des Operations Research (R. Henn, H. P. Künzi, H. Schubert).
- 8-14 August, Endliche Gruppen und Permutationsgruppen (Ch. Hering, B. Huppert).
- 15-21 August, Universelle Algebra (W. Felscher, G. Grätzer, R. Wille).
- 22-28 August, Jordan-Algebren (M. Koehler).
- 29 August-4 September Nichtarchimedische Funktionentheorie (L. Gerritzen) R. Remmert).
- 5-11 September, Komplexe Analysis (H. Grauert, R. Remmert, K. Stein).
- 12-18 September, Topologie (T. tom Dieck, D. B. A. Epstein, C. B. Thomas).
- 19-25 September, Blätterungen (D.B.A. Epstein, C. Godbillon).
- 26 September-2 October Geometrie (P. Dombrowski, K. Leichtweiss).
- 3-9 October, Funktionalanalysis (H. König, G. Köthe, H. H. Schaefer, H. G. Tillmann).
- 10-16 October Arbeitsgemeinschaft (Kneser-Roquette).
- 17-23 October Interaktionsprozesse (H. Föllmer, F. Spitzer).
- 24-30 October Operatorfunktionen und Spektraltheorie (I. Gohberg, B. Gransch, G. Neubauer).
- 31 October-6 November Mathematische Methoden in der Transporttheorie (H. Neunzert, D. C. Pack).
- 7-13 November Fortbildungslehrgang für Studienräte (Chairman not named).
- 14-20 November Numerik und Anwendungen von Eigenwertaufgaben und Verzweigungsproblemen (E. Bohl, L. Collatz, K. P. Hadeler).
- 21-27 November Formale Methoden und mathematische Hilfsmittel für die Softwarekonstruktion (H. Langmaack, E. Neuhold, M. Paul).
- 28 November-4 December Spezialtagung Statistik (Chairman not named).
- 5-11 December Fragen zur Hochschuldidaktik der Mathematik (Chairman not named).
- 12-16 December, Intervallmathematik (K. Nickel).