

LMS NEWSLETTER

No. 75

January 1981

DATES OF SOCIETY MEETINGS

Friday, 16 January 1981, Burlington House (A. Sinclair and W. Moran).

Friday, 20 February 1981, Burlington House (D. B. A. Epstein and W. P. Thurston).

Friday, 20 March 1981, Burlington House.

Friday, 15 May–Saturday, 16 May 1981: Two-day meeting at Leeds.

Friday, 19 June 1981, Burlington House.
Friday, 16 October 1981, Burlington House.

Friday, 20 November 1981, Burlington House (A.G.M.). R. A. BAILEY

TREASURER'S REPORT 1979–80

During the year the Council has been preoccupied with two aims which are potentially contradictory: first to make the best use of the considerable assets of the Society to support and promote mathematical activity, and secondly to protect such activities in the future by maintaining the value of those assets in real terms.

The first aim has led to a more energetic publishing programme: frequency of the *Bulletin* has been increased and the backlog inherited from the printing delays of 1978 and 1979 eliminated. This, together with a worrying continued increase in printing and postage costs, caused a sharply reduced surplus on the Publications account of £9,750 compared with £38,370 in 1978–79. Increased support for conferences and visiting lecturers was reflected in expenditure of £4,160 from the conference fund compared with £3,270 in 1978–79. The general Income and Expenditure account, which covers all the Society's activities except for publications and conference support already mentioned, was healthy with a surplus of £31,270 compared with £23,170 in 1978–79.

When these accounts are considered together, the net addition to the Society's assets in 1979–80 was £38,680 or approximately 9½% of the book value of those assets at 31 August 1979. We are therefore

falling somewhat short of the surplus necessary to maintain the value of our assets in real terms, and indeed it would seem impossible to do so in the current financial climate. The Council has therefore been anxious for some time to increase the proportion of the Society's assets held in agricultural land and also to diversify the geographical spread of our holdings of ordinary shares. During the year the Society bought for £70,000 Holborn Piece at Letcombe Bassett. It is within easy reach of Oxford and will be managed in the same way as the larger Royal Oak Farm at Stowood. The effect of this purchase is that the Society's assets are now held roughly in the proportions one-third agricultural land, one-third fixed interest securities and one-third ordinary shares. The latter includes substantial holdings in companies based in the United States, Canada and Australia as well as in the United Kingdom. It is hoped that this diversity will help us to maintain the strong basis of assets needed to sustain our increased publishing programme and our support for conferences and visiting lecturers.

During the year the Society received a legacy of £770 from Sydney Montague Jacob and a gift of £150 for the Whitehead Prize Fund from Pergamon Press.

R. L. E. SCHWARZENBERGER

AMENDMENTS TO STATUTES

At the Annual General Meeting the resolutions circulated with the November issue of the *Newsletter* were passed by the requisite majority. The amendments to Statutes contained in the resolutions will now be submitted to the Privy Council for their approval.

Subscriptions are *not* affected directly by the amendments which merely alter the

upper bound to which increases, due to inflation in the future, might extend without further permission from the Privy Council. The officers of the Society would like to apologise to any member who was alarmed by the wording of the first resolution; this wording was made necessary by the particular legal form of the Society's Statutes as approved in 1965.

D. A. BRANNAN

1980 COUNCIL ELECTIONS

At the Annual General Meeting on 21 November 1980, the following members were elected to Council: B. E. Johnson (President); P. J. Higgins, J. R. Ringrose and P. A. Samet (Vice-Presidents); R. L. E. Schwarzenberger (Treasurer); D. G. Larman (Librarian); S. A. Robertson (Publications Secretary); D. A. Brannan (Council and General Secretary); R. A. Bailey (Meetings

and Membership Secretary); A. W. Goldie, K. W. Gruenberg, W. K. Hayman, J. M. Howie, I. G. MacDonald and G. E. H. Reuter (Members-at-Large, with two-year term). G. R. Allan, N. L. Biggs, P. M. Cohn, J. S. Pym and J. T. Stuart are Members-at-Large whose terms expire in 1981.

D. A. BRANNAN

COUNCIL NEWS

B. E. Johnson, C. T. C. Wall and P. M. Neumann have been appointed to act as the 1981 Junior Berwick and Junior Whitehead Prize Committees. J. F. Adams and M. F. Atiyah have retired from the Editorial Board, and E. Rees (Topology) and B. Bollobás (Combinatorics) have joined the Board. J. H. Williamson and J. F. Adams have retired from the Durham Symposia Committee, and J. R. Ringrose (as Convenor) and C. T. C. Wall have joined the Committee. L. Fletcher has been appointed as L.M.S. liaison member of the Committee of Section A* of the British Association, and C. A. Rogers has been appointed Convenor of the Education Committee (replacing H. Halberstam).

E. C. Bombieri has agreed to visit the United Kingdom in June as the 1981 Hardy Lecturer; mathematics departments will shortly be circulated with further information about his visit, but individual members who wish to receive these particulars whenever they become available should write to

the Meetings Secretary to be put on the circulation list.

Miss S. Oakes has been appointed full-time Administrative Assistant of the Society, and takes up her post on 1 January 1981; Mrs. E. Simpson will retire from the office at the end of January. The address of the Society office is: London Mathematical Society, Burlington House, Piccadilly, London W1V 0NL (Tel. 01-437 5377).

Subscriptions for the Session 1980-81 were due on 1 November; members are reminded that periodicals are normally not sent out to members whose subscriptions are still outstanding on 1 January. Prompt and accurate payment of subscriptions does ease the office work-load; and by reducing correspondence etc. helps to keep subscriptions down.

Suggestions from members concerning possible future activities of the Society (such as ordinary or special meetings, conferences, foreign visitors) are always welcomed by the Officers. D. A. BRANNAN

INTERNATIONAL CONFERENCE—SINGAPORE

The Singapore Mathematical Society will hold an International Mathematical Conference in conjunction with the Department of Mathematics, National University of Singapore, at the Kent Ridge Campus from 1 June to 13 June 1981.

The Conference is sponsored by the International Mathematical Union, the Mathematical Society of Japan and the Southeast Asian Mathematical Society.

The Conference will consist of two Workshops and a General Conference.

WORKSHOPS (1-6 June)

(a) Ring Theory and Homological Algebra to be conducted by H. Matsumura, Nagoya University; M. Nagata, Kyoto University. (b) Probability Theory to be conducted by D. L. Burkholder, University of Illinois at Urbana-Champaign; M. Fukushima, Osaka University; T. Hida, Nagoya University.

GENERAL CONFERENCE (8-13 June)

Invited lectures will be given in the

following areas: (a) Ring Theory and Homological Algebra, (b) Probability Theory, (c) Group Theory, (d) Combinatorics, (e) Number Theory. During the General Conference there will be special sessions for contributed papers.

Speakers for the invited lectures will include: D. L. Burkholder, University of Illinois at Urbana-Champaign; P. Erdős, Hungarian Academy of Sciences; M. Fukushima, Osaka University; T. Hida, Nagoya University; N. Iwahori, Tokyo University; H. Matsumura, Nagoya University; E. C. Milner, University of Calgary; H. Nagao, Osaka University; M. Nagata, Kyoto University; B. H. Neumann, Institute of Advanced Studies, A.N.U.

If you wish to receive further details of the Conference, please write to the Organising Secretary, International Mathematical Conference 1981, Department of Mathematics, Bukit Timah Road, Singapore 1025, Republic of Singapore.

SYMPOSIUM ON ORDERED SETS

A symposium on the role of ordered sets in mathematics and its applications will be held in Banff, Canada, 28 August to 12 September 1981. Among the topics under consideration will be: continuous lattices, Cohen-Macaulay ordered sets, ordered fields, congruence lattices, order types of real numbers, cofinality, linear

extensions, model theory, order dimension, combinatorial geometries, scheduling, theory, algorithmic efficiency. Further details may be obtained from the organising committee at the Department of Mathematics and Statistics, University of Calgary, Calgary, Alberta, Canada T2N 1N4.

SIXTH HUNGARIAN COLLOQUIUM ON COMBINATORICS

The János Bolyai Mathematical Society will organize a colloquium on finite and infinite combinatorics in Budapest between 6–11 July 1981. Beside the topics usually treated in our combinatorial colloquia (graphs, hypergraphs, combinatorial analysis, etc.) set theory will be included this time as well. Lectures will be held in three parallel sections. The length of the lectures including discussions will be about 30 minutes. The Society will publish the proceedings of the colloquium and the

speakers will have the opportunity to publish the extended versions of their talks.

The Organizing Committee consists of A. Hajnal and L. Lovász, chairmen, L. Babai, G. Katona, A. Recski, V. T. Sos, M. Simonovits, E. Szemerédi, E. Gyóri, secretary.

All correspondence concerning the colloquium should be sent to E. Gyóri (secretary), Combinatorics, J. Bolyai Mathematical Society, H-1368 Budapest Pf. 240, Hungary.

UNIVERSITY OF CAMBRIDGE—ADAMS PRIZE

The Adams Prize is open to all people who have been admitted to a degree of Cambridge University. The subject selected for the period 1981–82 is "Algebra". The amount available for prizes is about £3,000 and the closing date is 31 December 1982.

Fuller details are obtainable from the Secretary, Faculty Board of Mathematics, Department of Pure Mathematics and Mathematical Statistics, 16 Mill Lane, Cambridge CB2 1SB.

PROFESSOR ROWLAND WILSON (1895–1980)

The late Rowland Wilson gave long and devoted service to the University College of Swansea and to his profession. He was one of the first members of the College's Department of Mathematics, of which he became the Head in 1941, and when that department was divided in 1957 he became, and remained until his retirement in 1961, Head of the Department of Pure Mathematics. He outlived many of his contemporaries and some of his pupils, but lively recollections of him persist and there have been several expressions of support for the idea of a special and lasting memorial to him. It seems appropriate that this should take the form of a prize, bearing his

name, to be awarded by the College to graduate students of Pure Mathematics whose work shows exceptional merit.

A generous donation from Mrs. Wilson and her two daughters has made it possible to inaugurate a fund to endow such a prize, and those who would like to add donations of their own are now invited to do so. Detailed information about the prize will be announced in due course.

Donations, payable to *The Rowland Wilson Memorial Fund*, should be sent to Dr. C. N. Linden, Department of Pure Mathematics, University College, Swansea SA2 8PP, Wales.

J. D. WESTON

HERMANN JAHN MEMORIAL FUND

Colleagues and other friends of the late Professor Hermann A. Jahn (1907–79) have set up a memorial fund to finance a research scholarship in Applied Mathematics and Theoretical Physics at the University of Southampton. Contributions are invited

from L.M.S. members, and may be sent to Professor P. T. Landsberg, Department of Mathematics, University of Southampton, Southampton SO9 5NH. Cheques should be made payable to the University of Southampton.

NIGERIAN MATHEMATICAL SOCIETY

A new mathematical society, the Nigerian Mathematical Society, was inaugurated in Nigeria in February 1980. The aim of the Society is the promotion of mathematical research through (i) holding of conferences, symposia, workshops, etc., (ii) publishing a journal of high quality, (iii) awarding prizes for outstanding mathematical work—especially to young mathematicians, (iv) co-

operating with other bodies with similar aims as the Society.

The following were elected officers: (i) President: Prof. A. Olubummo; (ii) Vice-President: Prof. E. N. Chukwu; (iii) Secretary: Dr. O. Akinyele; (iv) Treasurer: Dr. I. B. Mohammed; (v) Editor-in-chief: Prof. H. O. Tejumola.

C. T. C. WALL

VISITING MATHEMATICIANS

This list contains the names of visitors not appearing in the lists published in the *Newsletter* for October and December 1980. A final list for 1980–81 will appear in the April *Newsletter*. Names for inclusion in that list should be sent to the Editor by 23 February 1981.

<i>Name</i>	<i>Home University</i>	<i>Visiting</i>	<i>Dates of Visit</i>
P. Oden	Texas	Brunel	May 1981
M. Adelman	Macquarie	Cambridge	Jan.–June 1981
M. C. Liu	Hong Kong	Cambridge	Jan.–April 1981
J. Mallet-Paret	Brown	Heriot-Watt	3 weeks—Jan. 1981
C. Wilk	Warsaw	Liverpool	Jan.–March 1981
H. M. Fried	Rutgers	Royal Holloway	Jan.–June 1981
W. Strausse	Stuttgart	Westfield	March 1981
K. E. Wolff	Giessen	Westfield	
Leong Yu Kiang	Singapore	Manchester	March–Sept. 1981
N. I. Fisher	CSIRO	Open	May–Aug. 1981
E. R. C. Hohner	Toronto	Oxford	April–July 1981
P. Frankl	Paris	Reading	Feb.–April 1981
F. M. Larkin	Canada	Reading	Jan.–April 1981
J. L. Paul	Cincinnati	Reading	Jan.–June 1981
J. Spencer	SUNY	Reading	Jan.–July 1981
H. A. Barnard	Vancouver	Bangor	Feb.–Aug. 1981
R. H. Crowell	Dartmouth	Bangor	Feb.–July 1981
J. Peland	Carleton	Warwick	Jan.–June 1981
P. A. P. Moran	Canberra	Cambridge	1–21 June 1981
J. L. Snell	Dartmouth	Cambridge	April–Sept. 1981
K. Pearson	La Trobe	Leeds	Oct. 1980–May 1981
B. J. Mueller	McMaster	Leeds	Jan.–June 1981
S. Montgomery	S. California	Leeds	April–June 1981
M. A. Rieffel	Berkeley	Leeds	Sept. 1980–Aug. 1981
J. P. McClure	Manitoba	Leeds	Sept. 1980–Aug. 1981
D. M. Jackson	Waterloo	Cambridge	April–June 1981
F. W. Gehring	Michigan	Cambridge	Jan.–April 1981
S. Garbiero	Turin	Dundee	Sept. 1980–Jan. 1981
C. Tricot	Geneva	Liverpool	Oct. 1980–Oct. 1981
S. M. Yahya	Saudi Arabia	Liverpool	Sept. 1980–Sept. 1981
E. A. Coddington	California	Chelsea	Jan.–June 1981
V. Arveson	Berkeley	Newcastle	May–July 1981
K. Burrage	Auckland	Sussex	Sept. 1980–Sept. 1981

VISITORS TO IHES

The following mathematicians are visiting the Institut des Hautes Études Scientifiques for the current academic year.

T. Banchoff	(Brown)	P. Sad	(Brazil)
J. Hayden	(Warwick)	N. Schappacher	(Göttingen)
K. Kato	(Tokyo)	B. Seifert	(CNRS)
O. Lanford	(Berkeley)	H. Spohn	(Munich)
W. Lawvere	(Buffalo)	J. Tate	(Harvard)
R. MacPherson	(Brown)	L. Washington	(Maryland)
M. Rees	(Minnesota)		

LONDON MATHEMATICAL SOCIETY LECTURE NOTE SERIES

Cambridge University Press wishes to announce the following new Members' prices for books in the LMS Lecture Note Series:

2. Bonsall & Duncan	£3.75	23. Cameron	£5.96
4. Adams	£7.12	24. James	£5.62
5. Knight	£4.87	25. Price	£5.06
8. Edwards	£5.62	26. Kosniowski	£6.75
9. Du Val	£7.46	27. Cohn	£9.37
10. Bonsall & Duncan (II)	£6.00	28. Peterson	£5.06
11. Segal	£4.87	29. Morris	£5.96
12. Clunie & Hayman	£6.00	30. Biggs	£5.62
13. McDonough & Mavron	£4.87	31. Van Daele	£4.31
14. Swinnerton-Dyer	£3.94	32. Gamelin	£6.37
15. Higgins	£4.31	33. Biggs & White	£6.37
16. Gagen	£3.56	34. Atiyah <i>et al.</i>	£9.37
17. Broucker	£5.96	35. Simon	£5.44
18. Buonchristiano <i>et al.</i>	£5.44	36. Wall	£13.12
20. Tennison	£5.96	37. Brumfiel	£8.21
21. Sinclair	£4.12	38. Bollobas	£8.06
		39. Northcott	£7.46

New Titles

45. Recursion Theory: its Generalisations and Applications

Edited by F. R. DRAKE and S. S. WAINER

A collection of papers based on the contributions to the Leeds Logic Colloquium 1979 which together provide an up-to-date view of current ideas and developments in the field of recursion theory as a whole.

Members' Price £8.21

46. p-adic Analysis: a Short Course on Recent Work

NEAL KOBLITZ

This introduction to recent work in p-adic analysis and number theory will make accessible to a relatively general audience the efforts of a number of mathematicians over the last five years.

Members' Price £5.06

Members of the LMS should send their orders, accompanied by the appropriate remittance, to the Science Publicity Controller, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU.

CAMBRIDGE UNIVERSITY PRESS

LONDON MATHEMATICAL SOCIETY

PROFESSOR D. B. A. EPSTEIN (Warwick)

**AN INTRODUCTION TO THURSTON'S
THEORY OF HYPERBOLIC STRUCTURES ON
THREE-DIMENSIONAL MANIFOLDS**

PROFESSOR W. P. THURSTON (Colorado)

**THE GEOMETRY AND TOPOLOGY OF
THREE-MANIFOLDS**

FRIDAY, 20th February, 1981, at 3.30 p.m.

**Geological Society's Meeting Room,
Burlington House,
Piccadilly, London W1V 0NL**

All interested are very welcome

Tea will be served at 4.30 p.m.