

LONDON MATHEMATICAL SOCIETY

PROFESSOR T. F. BANCHOFF (Brown)

COMPUTER ANIMATION AND THE GEOMETRY OF SURFACES IN 3- AND 4- SPACE

PROFESSOR I. M. JAMES (Oxford)

THE 1978 WHITEHEAD LECTURE ON THE LUSTERNIK-SCHNIRELMANN CATEGORY

Friday, 16 June, 1978, at 3 p.m.

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

Tea will be served at 4 p.m.

LMS NEWSLETTER

No. 50

June 1978

DATES OF SOCIETY MEETINGS

Friday, 16 June 1978, Burlington House, Whitehead meeting.

Friday, 13 October 1978, Burlington House.

Friday, 17 November 1978, Burlington House, Annual General Meeting and Presidential Address.

Friday, 19 January 1979, Newcastle, Joint meeting with E.M.S.

Friday, 16 March 1979, Burlington House, Naylor Lecture.

Friday, 18 May–Saturday, 19 May 1979, Birmingham.

Friday, 15 June 1979, Burlington House, Hardy Lecture.

London meetings will be held in the Geological Society's Rooms, Burlington House, Piccadilly. Council meetings will be held in conjunction with all the above meetings except that on 18 May 1979. Council will meet in London on 11 May 1979.

D. B. SINGMASTER

L.M.S. LOCAL REPRESENTATIVES

Aberdeen	Dr. I. G. Craw	City of London Polytechnic	
Bath	Dr. R. Mitchell		Dr. M. G. Smith
Belfast	Dr. D. H. Armitage	Polytechnic of North London	Dr. T. Harris
Birmingham	Dr. A. H. M. Hoare	Polytechnic of the South Bank	
Bradford	Dr. W. J. Robinson		Dr. D. Singmaster
Bristol	Dr. M. Slater	Manchester	Professor B. Hartley
Brunel	Miss A. Grubb	Manchester UMIST	Dr. R. M. Bryant
Cambridge	Dr. J. E. Roseblade	Newcastle upon Tyne	Professor B. E. Johnson
Dundee	Professor W. N. Everitt		
Durham	Dr. L. M. Woodward	Nottingham	Dr. R. R. Laxton
East Anglia	Professor G. C. Shephard	The Open University	Dr. R. J. Wilson
Edinburgh	Dr. T. H. Lenagan	Oxford	Dr. E. G. Rees
Exeter	Dr. R. W. K. Odoni	Reading	Professor J. D. M. Wright
Glasgow	Professor W. D. Munn	St. Andrews	Dr. M. J. Beetham
Heriot-Watt	Dr. A. R. Prince	Salford	Dr. L. R. Fletcher
Hull	Dr. J. Wallington	Sheffield University	Dr. R. Y. Sharp
Keele	Mr. R. M. Whitehouse	Sheffield Polytechnic	Dr. H. Porteous
Kent	Dr. J. R. Merriman	Southampton	Dr. D. Kirby
Lancaster	Mr. G. H. Bailey	Strathclyde	Dr. G. F. Roach
Leeds	Dr. J. F. Bowers	Stirling	Dr. R. M. F. Moss
Leicester	Dr. J. F. Watters	Surrey	Dr. A. D. Keedwell
Liverpool	Dr. P. J. Giblin	Sussex	Dr. J. W. P. Hirschfield
London Colleges:		The New University of Ulster	Dr. P. McGill
Bedford	Dr. W. A. Hodges		
Birkbeck	Dr. S. M. Ginn	Wales:	
Chelsea	Dr. D. Charlton	Aberystwyth	Dr. F. W. Long
Imperial	Dr. M. Keating	Bangor	Professor R. Brown
King's	Dr. J. Silvester	Cardiff	Dr. C. H. Houghton
LSE	Dr. E. Boardman	Swansea	Dr. H. P. Rogosinski
Queen Elizabeth	Dr. D. A. Brannan	Warwick	Dr. C. R. Hajarnavis
Queen Mary	Dr. C. R. Leedham-Green	York	Dr. J. B. Fountain
Royal Holloway	Dr. G. De Barra		
University	Dr. P. McMullen		
Westfield	Dr. N. H. Bingham		
City University	Dr. T. E. Stanley		
Polytechnic of Central London			
	Dr. D. J. Emery		

Anyone wishing to represent an institution not on this list is requested to write to me.

A. W. GOLDIE

VISITING MATHEMATICIANS

The following mathematicians are expected to visit Britain. The list does not include names on the list in the September and December *Newsletters*. A new list will appear in September and the editor will be grateful to anyone sending him information concerning mathematicians visiting this country during the academic year 1978-79.

<i>Name</i>	<i>Home University</i>	<i>Visiting</i>	<i>Date of Visit</i>
W. Brisley	Newcastle, N.S.W.	Oxford	Jan.-Dec. 78
N. Cameron	Monash	Strathclyde Glasgow	Aug.-Dec. 78 Jan.-April 79
S. Debacker-Mathot	Louvain la Neuve	Bedford, London	Oct. 77-Sept. 78
J. E. Drummond	Australian National	Aston	Jan.-Dec. 78
H. G. Herbert	Western Australia	Sheffield	Jan.-Oct. 78
A. W. Sudbury	Monash	Oxford	July-Dec. 78

CONFERENCE ON COMPLEX APPROXIMATION

A Conference on Complex Approximation will be held at the Université Laval, Québec on 3-8 July 1978. Lectures will be given by H. Alexander (Chicago Circle), B. Aupetit (Laval), J. Brennan (Kentucky), A.-M. Chollet (Paris-Sud), J.-P. Ferrier (Nancy), J. E. Fornæss (Princeton), W. H. Fuchs (Cornell), P. Gauthier (Montréal),

L. A. Rubel (Illinois), J. A. Siddiqi (Laval), E.-L. Stout (Washington), B. M. Weinstock (Charlotte), J. Wermer (Brown).

Further details can be obtained from the Conference on Complex Approximation, Département de Mathématiques, Université Laval, Québec, G1K 7P4, Canada.

BOLYAI JÁNOS MATHEMATICAL SOCIETY

The Bolyai János Mathematical Society is organising the following colloquia in Hungary.

<i>Subject</i>	<i>Dates</i>	<i>Place</i>
Topology	7-12 August 1978	Budapest
Algebraic methods in graph theory	25-31 August 1978	Szeged
Point processes in queuing theory	4-8 September 1978	Keszthely
Mathematical logic in programming	10-15 September 1978	Debrecan

Further details can be obtained from the Secretary of the Society, 1368 Budapest, P.O.B. 240, Hungary.

ADVANCED STUDY IN RING THEORY

A N.A.T.O. advanced study institute on rings with polynomial identity and recent developments in ring theory will be held at the University of Antwerp, on 1-13 August 1978. Speakers will include A. Amitsur, M. Artin, M. Auslander, G. Bergman, G. Cauchon, P. Gabriel, C. Faith, J. Golan, A. Goldie, R. Gordon,

I. Herstein, B. Kharchenko, G. Michler, B. Mueller, C. Processi, Y. Rasmyslov, G. Ringel, J. C. Robson, L. Small and F. Van Oystaeyen. Further details can be obtained from F. Van Oystaeyen, University of Antwerp, Department of Mathematics, Universiteits plein 1, 2610 Wilrijk, Belgium.

COLLOQUIUM ON AUTOMATA, LANGUAGES AND PROGRAMMING

The Fifth International Colloquium on Automata, Languages and Programming sponsored by the European Association for Theoretical Computer Science will be held on 17-21 July 1978 at Udine, Italy. Topics are expected to include formal languages and automata theory, analysis and com-

plexity of algorithms, semantics of programming languages and data bases, formal systems and models of data organisation and computation. Further details can be obtained from A. Potorossi, CSSCCA-CNR, Istituto di Automatica, Via Eudossiana, 18 Roma, Italy.

AUSTRALIAN COMBINATORIAL CONFERENCE

The Sixth Australian Conference on Combinatorial Mathematics will be held on 29 August-1 September in Armidale, New South Wales. Further details can be

obtained from A. F. Horadam, Department of Mathematics, University of New England, Armidale, New South Wales.

Combinatorial Surveys

Proceedings of the Sixth British Combinatorial Conference

edited by **P. J. Cameron**

1977, viii + 226 pp., £7.00/\$13.65 0.12.157150.5

Seven of the principal papers delivered at the Sixth British Combinatorial Conference in July 1977 are presented here. Each contributor has examined a particular area, resulting in a comprehensive survey of contemporary combinatorial theory. The articles combine reference material with the findings of recent research, many of which are hitherto unpublished. The prevailing themes—designs, graphs, matroids and projective space—demonstrate the unity of the subject, while its diversity is displayed by the inclusion of such topics as campanology, the golden ratio, parallelism, root systems and Ramanujan numbers.

The book will certainly enhance participants' appreciation of the proceedings of the Sixth British Combinatorial Conference. Moreover, the fact that it is both a reference book and a collection of research reports will increase its value for researchers in combinatorial theory and for mathematicians in such related areas as topology and group theory, interested in recent developments in combinatorics.

Contents:

- F. Buekenhout**, What is a subspace?
- P. J. Cameron**, Extensions of designs: variations on a theme
- L. Lovász**, Flats in matroids and geometric graphs
- D. K. Ray-Chaudhuri**, Combinatorial characterization theorems for geometric incidence structures
- N. J. A. Sloane**, Binary codes, lattices and sphere-packings
- A. T. White**, Graphs of groups on surfaces
- D. R. Woodall**, Zeros of chromatic polynomials
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Academic Press

London New York San Francisco

A Subsidiary of Harcourt Brace Jovanovich, Publishers

24-28 Oval Road, London NW1, England

111 Fifth Avenue, New York, NY 10003, USA

