LMS NEWSLETTER

No. 41 *September 1977*

DATES OF SOCIETY MEETINGS

Friday, 21 October 1977, Burlington House. Film meeting.

Friday, 18 November 1977, Burlington House, Annual General Meeting.

Friday/Saturday, 16/17 December 1977, Trinity College, Cambridge, Hardy Centenary Meeting.

Friday, 20 January 1978, Burlington House.

Friday, 17 March 1978, Burlington House.

Friday/Saturday, 19/20 May 1978, Gregynog, Powys, weekend meeting.

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

Friday, 20 October 1978, Burlington House.

Friday, 17 November 1978, Burlington House, Annual General Meeting.

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 London meetings. Council will also meet on 12 May 1978.

D. B. SINGMASTER

HARDY CENTENARY MEETING

This meeting will be held on 16–17 December 1977 at Trinity College, Cambridge. The following have agreed to speak: Professor A. Baker, Professor L. S. Bosanquet, Professor L. Carleson, Professor W. K. Hayman, Professor J-P. Kahane, Professor A. Selberg, and Sir Edward Maitland Wright. More detailed information will appear in a subsequent Newsletter.

J. W. S. CASSELS

SOCIETY AWARDS

The Council of the Society has awarded the 1977 De Morgan Medal to Professor C. A. Rogers of University College, London; and the 1977 Junior Berwick Prize to Dr. G. Lusztig of Warwick University.

D. A. BRANNAN

EUROPEAN MATHEMATICAL FEDERATION

A meeting of representatives of many of the mathematical societies concerned including the LMS took place in Strasbourg last February and it was unanimously agreed to try to organise the Federation on a provisional basis. If the proposal meets with sufficient support it is planned to inaugurate the Federation at the International Congress in Helsinki 1978. The LMS Council has already expressed its provisional support for this new venture and members will be kept informed of developments.

I. M. JAMES

COLLINGWOOD MATHEMATICS PRIZE

Sir Edward Collingwood, F.R.S., died in 1970 at a time when he was President of the London Mathematical Society and also Chairman of Council of Durham University. In memory of Sir Edward and his long association with the London Mathematical Society, Council created the "Collingwood Mathematics Prize" to be awarded annually to the best mathematics student taking First Class Honours in the University of Durham who intends to proceed to postgraduate research in mathematics. This year the prize was awarded to D. M. Turner of Hatfield College, who will join the Mathematical Institute, University of Oxford for postgraduate studies.

T. J. WILLMORE

ROLLO DAVIDSON TRUST

The Trustees of the Rollo Davidson Trust announce that they have awarded a Rollo Davidson Prize of £100 to Dr. Olav Kallenberg of Göteborg for his solution to the problem of Rollo Davidson concerning the existence or otherwise of stationary line processes of finite intensity which are not Cox processes and which do not contain pairs of parallel lines.

This is the second award by the trust. The first award (for 1976) was of a Rollo Davidson Travel Bursary to Dr. B. D. Ripley and was made in respect of his fundamental contributions to the foundations of stochastic geometry.

The income of the Trust is not large, and the Trustees have agreed for the time being to pursue a flexible policy of awarding travel grants or prizes for notable pieces of work relating in some clearly recognisable way to Davidson's own researches. Applications for such prizes and grants cannot be entertained, but senior workers are invited to draw the attention of the Trustees to any appropriate and deserving cases. They will, of course, be very happy to accept additional financial support for the work of the Trust. The Secretary of the Trust is the Bursar of Churchill College, Cambridge.

D. G. KENDALL

SALEM PRIZE

The Salem Prize for 1977 was awarded to Dr. S. V. Bočkarev, from the Steklov Institut in Moscow, for his solution of Banach's problem on the existence of basis for the space of uniformly continuous analytic functions in the unit disc, and his contribution to the general theory of orthogonal series. The prize, established in 1968, is given every year to a young mathematician who is judged to have done an outstanding work in the field of interest of Salem, primarily on Fourier series and related topics. The jury was Professor A. Zygmund, Professor L. Carleson, Professor J.-P. Kahane and Professor Ch. Pisot.

INTERNATIONAL CONGRESS OF MATHEMATICIANS

This congress will be held in Helsinki, Finland on 15–23 August 1978. The first announcement is being circulated with this *Newsletter*. The American Express Travel Service is arranging inclusive tours covering travel (group rate) and accommodation at prices from £185 to £373. Details of these can be obtained from J. Ward, Group Sales, American Express, Trafalgar House, 11 Waterloo Place, London SW1Y 4AS.

LEEDS/SHEFFIELD ALGEBRA DAY

There will be a one-day Algebra conference in the University of Sheffield on Wednesday, 21 September 1977 starting at 10.00 a.m. The speakers will be G. Horrocks (Newcastle)—"Modules over regular local rings," J. E. Roseblade (Cambridge):—"Prime ideals in group rings of polycyclic groups", A. J. Douglas (Sheffield):—"Abelian groups and projective dimension". There will also be a session of short informal talks.

Further details can be obtained from P. Vámos, Department of Pure Mathematics, The University, Sheffield S3 7RH.

SYMPOSIUM ON TOPOLOGY

The third Symposium, organised by J. F. Adams, I. M. James, E. G. Rees and G. B. Segal, will be held at the Mathematical Institute, 24–29 St. Giles, Oxford on 27–29 June, 1978, inclusive. There will be a programme consisting of a dozen or more one-hour lectures on various aspects of topology, particularly algebraic topology. Intending participants are asked to notify the Secretary of the Symposium, at the above address, as soon as possible, so that they may be sent further information in due course.

I. M. JAMES

O.U. COURSE IN HISTORY OF MATHEMATICS

The Open University is offering a course in the History of Mathematics as part of the Associate Student Programme. Anyone wishing to apply to join the course should write to the Associate Student Central Office, Open University, P.O. Box 76, Walton Hall, Milton Keynes MK7 6AN.

AUSTRALIAN NUMBER THEORY CONFERENCE

The Australian Number Theory Conference 1977 will be held at the University of New South Wales on 12–17 December 1977. The provisional list of speakers includes J. Coates, J. Loxton, K. Mahler, H. Montgomery, G. Szekeres, A van der Poorten, and M. Waldschmidt. The conference aims to cover recent work and current directions of research in number theory. Further details can be obtained from the organising secretary, J. Mack, Dept. of Pure Mathematics, University of Sydney, N.S.W. 2006, Australia.

AUSTRALASIAN MATHEMATICAL CONVENTION

The first Australasian Mathematical Convention, sponsored by the Australian and New Zealand Mathematical Societies will be held in Christchurch, New Zealand on 15–19 May 1978. Invited speakers are expected to include P. L. Butzer (Aachen), P. R. Halmos (Santa Barbara), J. M. Hammersley (Oxford), D. V. Lindley (London) and A. H. Stone (Rochester). In addition splinter groups and workshops will be organised. Further details can be obtained from 1978 Convention Secretary, Department of Mathematics, University of Canterbury, Christchurch 1, New Zealand.

G. R. Wood

CONFERENCE ON CODES FOR BOUNDARY-VALUE PROBLEMS

The "Working Conference on Codes for Boundary-value Problems for ODEs" will be held in Houston, Texas, at the University of Houston campus on 14–17 May 1978. This conference-workshop will treat the status and trends in codes to implement methods for numerically solving BVPs for ODEs. It will feature code demonstrations, panel-audience discussions of research areas and test problems, invited surveys and invited presentations of codes, and 15–20 half-hour contributed papers. 1–3 page summaries of submitted papers should be sent to: Dr. Bart Childs, Industrial Engineering, Texas A & M, Box 6206, Texarkana, TX 75501 to arrive by 1 October. Travel support is being solicited.

THE C.N.A.A. MATHEMATICS AND STATISTICS PANEL

The purpose of the C.N.A.A. is to ensure that degrees awarded for courses in polytechnics are of the same standard as degrees awarded by universities. To do this there are subject panels that examine critically all proposals for degree courses that are put forward, and subject them to a scrutiny more rigorous than that which most university courses undergo. In some cases there are subject boards above panels, e.g. there is a Combined Studies (Mathematics & Computing) Board, to which the Mathematics and Statistics Panel and the Computing and Informatics Panel report.

A panel is concerned in particular to examine the syllabus, qualifications of the staff who will teach the course, examination arrangements (including the way in which the final grading is made, and the provisions made for repeating any part of the examination), facilities such as workrooms, library, computer, accommodation of the department, involvement of the department with industry in cases where the nature of the course make this appropriate, and the research opportunities and activities of the staff.

If a department offers a course for the first time there is normally a visit to the Polytechnic by a subset of the panel, so that the working conditions, library, etc. can be studied directly. If the proposal is from a department that has previously had courses accepted, then there may merely be a meeting between a subset of the panel and a delegation from the department. Visits and discussions usually lead to the preparation of a document listing matters connected with the course that are felt by the C.N.A.A. panel to be unsatisfactory. The Polytechnic has to meet these objections before approval for the course is granted.

There has been a move to allow the Polytechnics more freedom of action, so that minor changes to course could be made without reference to the C.N.A.A. This does not seem to have been successful and the work of the panels is likely to continue to be as described above for some time to come.

H. G. Godwin
P. A. Samet

NORTH BRITISH FUNCTIONAL ANALYSIS SEMINAR

The North British Functional Analysis Seminar(N.B.F.A.S.) was established in 1967 to encourage study and research in functional analysis in Northern England and Scotland by enabling foreign mathematicians to visit the participating universities. The following universities participate in the seminar: Aberdeen, Dundee, Edinburgh, Glasgow, Leeds, Newcastle upon Tyne, Stirling, York.

The seminar meets four or five times a year usually on a Monday afternoon and usually in Edinburgh or Newcastle upon Tyne. At each meeting, except that in May, there are two one-hour lectures. The May meeting, which is spread over two days, consists of four one-hour lectures. The lectures are specialist talks in functional analysis and related areas of mathematics and are usually attended by mathematicians from several universities. A list of lecturers to the seminar during the past two years follows, and this indirectly describes the area of activity of the seminar: E. Størmer, W. G. Bade, A. Peclczynki, J. L. Taylor, L. Harris, J. J. Moreau, A. Pietsch, I. C. Gohberg, P. C. Curtis, I. Namioka, B. Schreiber, M. A. Kaashoek, A. Van Daele, A. Figà-Talamanca.

Most of the speakers spend from a week to several months visiting one or more of the universities participating in the seminar. These visits are usually supported by the Science Research Council particularly when the visitor comes from North America. The Seminar also supports short visits from Europe with its own funds. The Seminar's income is derived mainly from the subscriptions paid by the participating universities. As many of these subscriptions are paid from funds that originate with the Science Research Council, the seminar is indirectly supported by the S.R.C. From its foundation the Seminar has had a written constitution, and is run by a committee whose members are drawn from the participating universities.

For further information about the Seminar contact the secretary, Dr. A. M. Sinclair, Department of Mathematics,James Clerk Maxwell Building, Kings Buildings, Edinburgh EH9 3JZ.

The Editor solicits articles similar to the above describing other non-temporary regional mathematical organisations. These will be published as space permits.

VISITING MATHEMATICIANS

The following mathematicians are expected to visit Britain. At present the Editor plans to publish a main list of visitors in the September issue and supplementary lists in December and June. The Editor relies on all members, particularly local representatives, informing him of visitors to their departments.

Name and Home University		*Visiting*	*Dates of Visit*
T. C. Adamson	(Michigan)	University College, London	Jan. 78–June 78
I. Alber	(California)	University College, London	Sept. 77–Feb. 78
A. Amidi	(Iran)	Bath	July–Sept. 77 July–Sept. 78
T. B. Anderson	(Aarhus)	Newcastle	Feb. 78
J. Belward	(Queensland)	Bath	Jan.–Dec. 78
L. T. M. Berry	(Adelaide)	Edinburgh	Jan.–Dec. 77
M. Bottai	(Pisa)	Bath	Oct. 77–May 78
L. G. Brown	(Perdue)	Aberdeen	Oct. 77
O. R. Burggraf	(Ohio State)	University College, London	July 78–Dec. 78
A. Chorin	(Berkeley)	University College, London	April–May 78
D. Clements	(Adelaide)	Oxford	Jan.–Dec. 77
M. Elzanowski	(Warsaw)	Oxford	Jan.–Dec. 77
J. Farr	(Capricornia)	Bath	Aug. 77–Feb. 78
M. Freislich	(New South Wales)	Liverpool	Aug. 77–March 78
D. Gildenhuys	(McGill)	Queen Mary College	Oct. 77–June 78
R. Giles	(Queens, Kingston)	Oxford	Aug. 77–July 78
S. Gitler	(National Polytechnic Institute, Mexico)	Oxford	Oct. 76–Dec. 77
L. Howard	(Brisbane)	University College, London	July–Sept. 78
R. V. Kadison	(Pennsylvania)	Newcastle	Aug.–Oct. 77
H. Kushner	(Brown)	London	Sept. 77–Jan. 78
K. J. Meldrum	(Macquarie)	Bath	Feb.–Dec. 78
R. Phelps	(Washington)	University College, London	Sept. 77–Sept. 78
D. Piccolo	(Naples)	Lancaster	Sept.–Dec. 77
M. P. Quine	(Sydney)	Lancaster Oxford	Sept. Nov. 77 Dec. 77–Feb. 78
S. Sakai	(Pennsylvania)	Newcastle	Aug.–Oct. 77
D. B. Sawyer	(Otago)	University College, London	Aug. 78–Jan. 79
E. M. Schever	(California State)	City	Sept. 77–June 78
K. Sharpe	(Melbourne)	Manchester	Jan.–Dec. 77
D. Tacon	(New South Wales)	Newcastle	July 77–July 78
M. A. Taylor	(Acadia, Nova Scotia)	Liverpool	Oct. 77–May 78
A. Tancic	(Beograd)	Belfast	Jan.–Dec. 77
A. T. White	(West Michigan)	Royal Holloway	July 77–July 78
D. Woodhouse	(La Trobe)	Bath	Dec. 77–Sept. 78
F. Yeomens	(Western Australia)	Stirling	June 77–Feb. 78

BOOKS RECEIVED FOR REVIEW IN THE *BULLETIN*

Algebra: undergraduate texts in mathematics: L. E. Sigler, pp. 419. $16.00. (Springer–Verlag, Berlin).

Lectures on transcendental numbers: K. Mahler: pp. 254. $10.20/DM24,80. (Springer–Verlag, Berlin).

Numerical methods in fluid dynamics: M. Holt: pp. 253.$31.70. (Springer–Verlag, Berlin).

Modular functions and Dirichlet series in number theory: T. Apostol: pp. 198. $14.80. (Springer–Verlag).

Introduction to modular forms: S. Lang: pp. 261. $22.20. (Springer–Verlag).

Singularity theory and an introduction to catastrophe theory: Y. C. Lu. pp. 199. $12.00. (Springer–Verlag).

A series of modern surveys in mathematics: R. E. Edwards. pp. 212. $23.80. Band 90: (Springer–Verlag).

Matroide und Transversaltheorie: M. Aigner: pp. 324. $14.00. (Springer–Verlag).

Ordinary and delay differential equations: R. D. Driver: pp. 501. $14.80. (Springer–Verlag).

Supersonic flow and shock waves: R. Courant, K. O. Friedrichs: pp. 464. $19.80. (Springer–Verlag).

Several complex variables: H. Grauert, K. Fritzsche: pp. 207. $18.80. (Springer–Verlag).

Courant in Göttingen and New York: C. Reid: pp. 332. $12.80. (Springer–Verlag).

Interpolation spaces: J. Bergh, J. Lofstrom: pp. 207. $24.60. (Springer–Verlag).

Lecture notes on elementary topology and geometry: I. M. Singer, J. A. Thorpe. pp. 232. $14.80. (Springer–Verlag).

Monotone Potentialoperatoren in Theorie und Anwendung: A. Langenbach: pp. 358. $23.80. (Springer–Verlag).

Mathematical logic: J. D. Monk: pp. 531. $19.80. (Springer–Verlag).

Linear aggression analysis: G. Seber: pp. 465. £22·00. (J. Wiley).

Global simulation models, a comparative study: J. Clark, S. Cole: pp. 135. £16·90. (J. Wiley).

Multiple hyperfunctions and applications: H. Exton: pp. 312. £11·00. (J. Wiley).

Market restriction/World excluding Communist Block: Banica, Global: pp. 250. £9·75. (J. Wiley).

The finite element method in Partial Differential Equations: A. R. Mitchell, R. Wait: pp. 198. £6·95. (J. Wiley).

Modern algebra with applications: W. J. Gilbert: pp. 348. £17·00. (J. Wiley).

Mechanics of continuous media: S. C. Hunter: pp. 567. £15/6·90. (J. Wiley).

Algebra Vol 2: P. M. Cohn: pp. 483. £8·95. (J. Wiley).

Analysis: M. Davis: pp. 177. £12·70. (J. Wiley).

Vector fields: J. A. Shercliff: pp. 329. £4·25. (Cambridge).

Transformation groups: C. Kosniowski (Ed.): pp. 306. £5·25. (Cambridge).

Completeness and basis properties of sets and special functions: J. R. Higgins: pp. 134. £9·80. (Cambridge).

Lie groups and compact groups: J. F. Price: pp. 177. £4·95. (Cambridge).

Mathematical analysis: a straightforward approach: K. G. Binmore: pp. 257. £9·75/3·75. (Cambridge).

Brownian motion: Hardy spaces and bounded mean oscillation: K. R. Peterson: pp. 105. £3·95. (Cambridge).

Construction of integration formulas for initial value problems: P. J. van der Houven: pp.276. $33.95. (Elsevier/NH).

Lattice theory: A. P. Huhn, E. T. Schmidt: pp. 462. $48.00. (Elsevier/NH).

Enveloping algebras: J. Dixmier: pp. 375. $36.75. (Elsevier/NH).

Differential equations: M. Farkas: pp. 418. $48.00. (Elsevier/NH).

Algebra: Groups, rings and other topics: N. McCoy, T. Berger: pp. 658. (Allyn/Bacon).

Elementary number theory: D. M. Burton: pp. 358. (Allyn/Bacon).

Calculus: J. G. Ceder, D. L. Outcalt: pp. 1050. (Allyn/Bacon).

Random measures: O. Kallenberg: pp. 104. £6. (Academic Press Inc.).

Calculus: S. I. Grossman: pp. 1041. £13·50. (Academic Press Inc.).

Subharmonic functions: W. K. Hayman, P. B. Kennedy: pp. 284. £11·60. (Academic Press Inc.).

Scattering theory for automorphic functions: P. D. Lax, R. S. Phillips: pp. 300. £15·60/6·30. (Princeton UP).

Found: Essays on topological manifolds, smoothings and triangulations: R. C. Kirby, L. C. Siebenmann: pp. 355. £14·60/6·55. (Princeton UP).

Introduction to ergodic theory: Ya G. Sinai: pp. 144. £4·90. (Princeton UP).

Operational calculus: I. Z. Shtokalo: pp. 333. £16. (Adam Hilger).

Decomposition of superpositions of density functions and discrete distributions: P. Medgyessy: pp. 308. £12. (Adam Hilger).

Probability theory: With the essential analysis: J. S. Milton, C. P. Tsokos: pp. 339. £9·35/10·80. (Addison-Wesley).

The theory of partitions: G. E. Andrews. pp. 255. $16.10. (Addison-Wesley).

Integral equations: B. L. Moiseiwitsch: pp. 161. £3·95. (Longman).

Multicriteria decision making and differential games: Ed. by G. Leitmann: pp. 461. $42.00. (Plenum).

Stochastic integration and generalised martingales: A. U. Kussmaul: pp. 163. £7. (Pitman).

Graphs surfaces and homology: P. J. Griblin: pp. 329. £4·95. (Chapman & Hall).

Selected papers of Alfred Renyi (3 Vols.)**:** pp.627, 646, 667. £69. (Akademiai Kiado).

Mathematics Dictionary, 4th edition: R. James, G. James: pp. 509. $13.65. (Van Nostrand Reinold).

Mathematical analysis: M. D. Hatton: pp. 242. £4·75/2·45. (Hodder & Stoughton).

Functions of a complex variable: D. O. Tall: pp. 80. £1·75. (Routledge & Kegan Paul).

Theory of unitary group representations: G. W. Mackey: pp. 372. £3·75. (Chicago UP).

Singularly perturbed differential operators of second order: P. de Groen: pp. 159. No price quoted. (Amsterdam Maths Ctre.).

Fonctions d'une variable réelle: N. Bourbaki: pp. 326. Fr.180. (Hermann, Paris).

Anti-invariant submanifolds: K. Yano, M. Kon: pp. 183. SFr.68. (M. Dekker).

Ring theory: Ed. by S. K. Kain: pp. 256. SFr.82. (M. Dekker).

Topology: Proceedings of the Memphis State University Conference: Ed. by S. P. Franklin, B. V. Smith: pp. 312. SFr.80. (M. Dekker).

Hausdorff compactifications: Ed. by R. E. Chandler: pp. 160. SFr.55. (M. Dekker).

The qualitative theory of optimal processes: R. Gabasov, F. Kirillova: pp. 688. SFr.176. (M. Dekker).

Calculus for the life sciences: M. A. Katz: pp. 272. SFr.46. (M. Dekker).

Orderable groups: R. Botto Mura, A. Rhemtulla: pp. 176. SFr.66. (M. Dekker).

Homogenous Banach algebras: Hwai-chiuan Wang: pp. 216. SFr. 66. (M. Dekker).

Stability of dynamical system: Theory and applications: Ed. by J. R. Graef: pp. 323. SFr.66. (M. Dekker).

Self organising control of stochastic systems: G. N. Sadiris: pp. 512. $39.50. (M. Dekker).

Geometric algebra over local rings: B. R. McDonald: pp. 440. SFr.98. (M. Dekker).

Rings of dimension two: W. V. Vasconcelos: pp. 120. SFr.49. (M. Dekker).

Hopf spaces: A. Zabrodsky: pp. 221. $18.50. (North Holland).

Topology of Stiefel manifolds: I. M. James: pp. 168. £3·95. (Cambridge).

Basic algebraic geometry I: D. Mumford: pp. 186. $14.80. (Springer–Verlag).

Lecture notes in mathematics (530, 533, 545, 547–570, 572) (Springer–Verlag).

Lecture notes in physics (58, 59) (Springer–Verlag).

Lecture notes in economics and mathematical systems (132, 134–138, 140–1) (Springer–Verlag).

1978 OBERWOLFACH PROGRAMME

1–7 January. Mathematische Theorien der Fluide (W. Bürger, I. Müller).

8–14 January. Die Modelltheorie der Gruppen (U. Felgner, O. H. Kegel, E.-J. Thiele).

15–21 January. Lokale Algebra und lokale analytische Geometrie (R. Berger, J. Lipman, G. Scheja).

22–28 January. Didaktik: Lineare Algebra und Geometrie in der gymnasialen Oberstufe (A. Bergmann, H. Kunle).

29 January–4 February. Wahrscheinlichkeitsmaße auf Gruppen (H. Heyer, L. Schmetterer).

5–11 February. Einhüllende Algebren von Lie-Algebren (W. Borho, J. Dixmier, R. Rentschler).

12–18 February. Funktionentheorie (D. Gaier, H. Wittich).

19–25 February. Medizinische Statistik (H. J. Jesdinsky, S. Schach).

26 February–4 March. Geschichte der Mathematik (E. A. Fellmann, C. J. Scriba).

5–11 March. Regelungstheorie (H. W. Knobloch, M. Thoma).

12–18 March. Mathematische Stochastik (H. Heyer).

19–25 March. Arbeitsgemeinschaft Geyer —Harder.

2–8 April. Mathematische Logik. (W. Felscher, E. Specker).

9–15 April. Differentialgleichungen der mathematischen Physik (F. W. Schäfke, A. Schneider).

16–22 April. Freie und gemischte Randwertprobleme bei partiellen Differentialgleichungen (R. Kress, N. Weck).

23–29 April. Kinematik (H. R. Müller). and Geometrische Ordnungen (P. Scherk).

30 April–6 May. Konvexe Körper (R. Schneider, G. C. Shephard).

7–13 May. Konstruktive Verfahren der Optimierung bei graphentheoretischen und kombinatorischen Problemen (L. Collatz, G. Meinardus, W. Wetterling).

14–20 May. Gruppentheorie (W. Gaschütz, K. W. Gruenberg).

21–27 May. Finite Geometries (F. Buekenhout, D. R. Hughes, H. Lüneburg).

28 May–3 June. Quadratische Formen (M. Knebusch, A. Pfister, W. Scharlau).

4–10 June. Mathematische Modelle in der Biologie (K. P. Hadeler, W. Jäger, S. Levin).

11–17 June. Ergodentheorie (M. Denker, K. Jacobs).

18–24 June. Probability in Banach Spaces (A. Beck, K. Jacobs).

25 June–1 July. Variationsrechnung (E. Heinz, S. Hildebrandt, W. Jäger).

2–8 July. Operatoren—Distributionen und verwandte Non-Standard-Methoden (D. Laugwitz, W. A. J. Luxemburg, J. Mikusinski).

9–15 July. Funktionenräume und Funktionalgebren (H. Bauer, H. König).

16–22 July. Arbeitsgemeinschaft Algebra: Schiefkörper (P. M. Cohn, G. Michler).

23–29 July. Endliche Gruppen und Permutationsgruppen (Ch. Hering, B. Huppert).

30 July–5 August. Allgemeine Ungleichungen (G. Aumann, E. F. Beckenbach, M. Kuczma).

6–12 August. Konstruktive Verfahren in der komplexen Analysis (D. Gaier, P. Henrici).

13–19 August. Himmelsmechanik (E. Stiefel, V. Szebehely).

20–26 August. Formale Sprachen (R. V. Book, G. Hotz, H. Walter).

27 August–2 September. Komplexe Analysis (H. Grauert, R. Remmert, K. Stein).

3–9 September. Methoden der algebraischen Geometrie in der algebraischen Topologie (E. Friedlander, G. Harder).

10–16 September. Topologie (T. tom Dieck, K. Lamotke, C. B. Thomas).

17–23 September. Geometrie (K. Leichtweiß).

24–30 September. Funktionalanalysis (K.-D. Bierstedt, H. König, G. Köthe, H. H. Schaefer).

1–7 October. Numerische Integration (G. Hämmerlin).

8–14 October.Arbeitsgemeinschaft Geyer-Harder.

15–21 October. Operations Research (R. Henn, H. P. Künzi, H. Schubert).

22–28 October. Grundlagen der Geometrie (R. Lingenberg).

29 October–4 November. Zahlentheorie (H. E. Richert, W. Schwarz, E. Wirsing).

12–18 November. Fortbildungslehrgang für Studienräte.

19–25 November. Konstruktive Methoden bei nichtlinearen Randwert-aufgaben und nichtlinearen Schwingungen (J. Albrecht, L. Collatz, K. Kirchgässner).

26 November–2 December. Multivariate Statistical Analysis (D. Plachky, S. Schach).

3–9 December. Operator-Ungleichungen (N. Bazley, J. Schröder).

10–16 December. Didaktik.

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