

**LONDON MATHEMATICAL  
SOCIETY**

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Dr. D. R. J. CHILLINGWORTH  
(Southampton)

**THE CATASTROPHE OF THE BUCKLING BEAM**  
and

Dr. C. J. PRESTON (Oxford)

**CLASSICAL EQUILIBRIUM STATISTICAL  
MECHANICS AS A BRANCH OF  
PROBABILITY THEORY**

**FRIDAY, 17th January, 1975 at 3.30 p.m.**  
**Room 4A,**  
**Department of Mathematics,**  
**The University,**  
**Southampton.**

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Tea will be served at 4.30 p.m.  
in room 4.2

# LMS NEWSLETTER

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No. 16

January 1975

## TREASURER'S REPORT to the Society: session of 1973/74

The finances of the London Mathematical Society are dominated by those of the three periodicals (Bulletin, Journal and Proceedings) for which the Society is exclusively responsible. Since ordinary members are supplied at extremely favourable rates, the financing of the periodicals depends on the subscriptions of libraries and other institutions. These outside subscriptions are collected, for the most part, before the year in question begins, on the basis of prices which have to be fixed some time before that, because of advertising requirements. Normally it is possible to make a fair estimate of what printing costs may be a year ahead, and thus determine a fair price for these outside subscribers.

Recently, however, two problems have arisen. First, as the result of the 3-day week and other difficulties, production of some of our periodicals has fallen behind. Consequently the bills have not yet come in for printing some parts of these periodicals although the corresponding subscriptions have been received. To provide for this, Council has established a Printing Reserve Fund which at present stands at £15,000. The other problem is that, although outside subscription rates were fixed with the greatest care almost halfway through 1974, since that time there has been a great rise in printing costs generally, including wages, price of paper, postage, etc. Consequently, it will be impossible to strike a reasonable balance unless (and this appears to be the only option open) some volumes of our three periodicals are reduced. After the most careful consideration, a decision to this effect was reluctantly taken at today's Council meeting.

Turning to the General Fund, income exceeded expenditure by £15,465 in the past session. Almost all of this surplus has been transferred to the Printing Reserve Fund mentioned above. Administration (including General Printing, Officers and Editors expenses, and costs of meetings) is up by about 12%. Income from members' subscriptions is fairly steady at £9,313 this session. Income from investments shows

a gratifying increase from £7,355 to £9,062. Sales of back numbers brought in £5,679, a most encouraging result, while income from royalties is up from £859 to £1,230, due to maiden royalties from Russian Mathematical Surveys and a once-for-all payment from the Soviet Union for permission to reproduce parts of the Journal. Receipts from Periodicals came to £54,754, against payments of £48,100 but as I mentioned earlier this apparent surplus is entirely due to the backlog in production. If it were not for this we should undoubtedly have made a loss in the past session; an increase in the subscription rate for ordinary members now appears quite inevitable, and the new Council will doubtless make a proposal for this to the Society in due course.

Next, I would like to refer briefly to two new ventures. The first is the Whitehead Prize Fund, inaugurated last year, which now stands at £1,169, including an outstandingly generous donation by Mrs. Holmes, the widow of Professor Whitehead. The other is the series of Durham Research Symposia, of which the first two were held this summer. Thanks to very substantial assistance from the Science Research Council and the Royal Society, it has been possible to finance these symposia without any appreciable call on the Society's own resources.

I have kept until last the really bad news, which is that the market value of the Society's investments has fallen from £148,000 at the end of September 1973 to £68,504 at the end of September 1974. This is due, of course, to the appalling decline in the Stock markets all over the world and especially in London. Little fresh investment has taken place during the year and as a result the Society now has some £17,000 on deposit, at useful rates of interest, as compared with the £6,000 at the end of the previous session. The experience of the Trust Funds has been somewhat more favourable than that of the General Fund.

I. M. JAMES

## SOCIETY DINNER

As announced elsewhere, the L.M.S. meeting on Friday, 17 January will be held in the University of Southampton. There will be a Society dinner in the evening; the charge per person will be £3.40. Would those wishing to come to the dinner please

write to me before 9 January, enclosing a cheque. As usual members may bring guests. My address is Department of Mathematics, The University, Southampton SO9 5NH.

H. B. GRIFFITHS

## JUNIOR BERWICK PRIZE

At the June meeting this year of the Society the Council will be awarding the Society's Junior Berwick Prize. Accordingly it has appointed the following as the 1975 Prize Committee:

Professor M. F. Atiyah, Mathematical Institute, 24-29 St. Giles, Oxford OX1 3LB; Professor J. F. C. Kingman, Mathematical Institute, 24-29 St. Giles, Oxford OX1 3LB; and Professor C. A. Rogers, Department of Mathematics, University College, Gower Street, London WC1E 6BT.

The Council invites members of the Society to submit their views confidentially in writing to any member of the Committee by 1 March. Council reserves the right not to make an award if a candidate of sufficient merit is not recommended by the Prize Committee.

The principal points that members should note are:

(1) The Prize will be awarded in respect of a definite piece of work published by the Society in any of its publications (at present the three periodicals, the Monographs, and the Lecture Notes Series) in the period 1 January, 1971, until 31 December, 1974.

(2) The current President of the Society, Professor M. F. Atiyah, and the other members of the Prize Committee are ineligible for the award.

(3) Only mathematicians who are members of the Society at the date of the award are eligible for the Prize.

(4) The Junior Berwick Prize shall be restricted to members whose age on the 1 June, 1975, does not exceed 40, and who are not Fellows of the Royal Society.

(5) No member can receive the Junior Berwick Prize more than once; winners of the Senior Berwick Prize who satisfy (4) are eligible for the Junior Berwick Prize. This regulation then excludes only the following members from eligibility:

Professors A. G. Walker, J. L. B. Cooper, D. B. Scott, D. G. Northcott, W. K. Hayman, C. A. Rogers, I. M. James, M. F. Atiyah, J. F. Adams, C. T. C. Wall, J. F. C. Kingman, G. R. Allan, and Drs. J. H. Conway and D. G. Larman. (This is the set of all previous Junior Berwick Prizewinners)

D. A. BRANNAN

## REFERENCES FOR RECENT LECTURES

R. Rado, A theorem on general measure, Proc.L.M.S., 44 (1938), 61-91  
Note. Much of Professor Rado's lecture

will appear in Annali di Matematica Pura ed Applicata.

## VISITING MATHEMATICIANS

Bedford College (London University)

Professor W. D. Burgess (Ottawa)  
October 74-March 75. Algebra.

Professor R. E. Williams (Kansas)  
October 74-July 75. Algebra.

Dr. A. V. Artamonov (Moscow)  
November 74-March 75. Algebra.

Dr. K. Tahara (Aichi University of Education, Kariya)  
October 74-July 75. Algebra.

Dr. K. Pearson (La Trobe)  
January 75-July 75. Algebra.

Dr. H. L. Manocha (Delhi)  
August 74-March 75. Special Functions.

P. M. COHN

## WORLD DIRECTORY OF MATHEMATICIANS

Fifth Edition, June 1974. Publication authorised by the International Mathematical Union with the co-operation of the National Committees of Mathematics. Net price including packing and postage, U.S. \$12.50. Orders should be sent to and pay-

ment will be received by: Professor Otto Frostman, Box 41, S 182 51 Djursholm, Sweden. Payment by cheque, money draft or directly to Svenska Handelsbanken, Djursholm, Account No. 80 604 692.

## AMERICAN MATHEMATICIANS VISITING EUROPE

Gilde Lamadrid  
University of Munich 9/74-8/75  
Phillips, Ralph  
Mittag-Leffler Institute 3/75-5/75

Senechal, Lester  
University of Groningen 8/74-8/75  
(This list is supplementary to that in the  
November *Newsletter*.)

## EDITORS' NOTE

Intending contributors to the *Newsletter* may wish to know that material intended for the *Newsletter* of month  $x$  must be

received by the editors by the last day of month  $x-2$ .