

**THE
BRITISH SOCIETY
OF RHEOLOGY**

BULLETIN — No. 2, 1963

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THE BRITISH SOCIETY OF RHEOLOGY

News of Members

Mr. H. G. Higgins of the Division of Forest Products, C.S.I.R.O., and a member of the Victorian Branch, has fulfilled the requirements for the degree of Doctor of Applied Science in the University of Melbourne. He will be the first recipient of this degree.

Two other Victorian members, Mr. B. D. Craven and Mr. O. Delatycki have been appointed to posts at the University of Melbourne, Mr. Craven to a Senior lectureship in Mathematics and Mr. Delatycki to a lectureship in Applied Physics.

Dr. H. G. Muller, who has organised the activities of the Cambridge Rheology Club for the last few years, is taking up a post in Canada in August. With him go our good wishes and thanks for his efforts on behalf of Rheology in Cambridge. The new Chairman of the club is Dr. J. R. A. Pearson, and the Hon. Sec. is Miss M. Nicholas, Spillers Ltd., Station Road, Cambridge.

Cancellation of the Cranfield Meeting

Because only thirteen applications were received, it was necessary to cancel the meeting which had been arranged for April 17th to 19th at Cranfield on "Ductility in metals and its relation to fabrication processes". This undoubtedly caused disappointment and inconvenience to intending delegates and speakers and the Society hopes that everyone concerned will accept its apologies. The reasons for the lack of support are not clear. It seems unlikely that the dates of the meeting were responsible, inasmuch as successful meetings have been held at a similar time in the past, although a one day meeting organised in London by the Institute of Physics on fracture might have been an important counter-attraction. If members can throw any light on the cause or causes, would they please communicate with the Secretary so as to prevent a similar occurrence in the future.

Future Meetings

The autumn meeting of the Society will be held at the University of Keele on 26th and 27th September. This will be a symposium on "Rheological properties of clay and fine powder suspensions". Papers have been promised by:

Dr. N. F. Astbury (British Ceramic Research Association).

Dr. J. F. Raffle (Cementation Company Ltd.).

Dr. K. M. Beazley (English Clays, Lovering Ponchin and Co. Ltd.).

Prof. A. L. Roberts (Leeds University).

Dr. W. L. German (North Staffordshire College of Technology).

The meeting will also include the Presidential Address and a discussion on the centralisation of research in rheology. A visit to Wedgwood Potteries has also been arranged. Accommodation will be available in the halls of residence at Keele. Enquiries should be addressed to: (Programme) Mr. G. K. Jones, The Copyhold, Nutfield Road, Redhill, Surrey, or (accommodation) Mr. J. F. Hutton, Shell Research Ltd., P.O. Box No. 1, Chester. Programmes and application forms will be circulated to all members in due course.

The American Society of Mechanical Engineers, the American Society for Testing and Materials and the Institution of Mechanical Engineers are sponsors for a Joint International Conference on "Creep". It will be held in two parts; in New York from 25th to 29th August and in London, 30th September to 4th October. The London conference will be devoted to the mechanical properties of engineering materials at elevated temperatures; the emphasis being on the utilisation by the mechanical engineer, of creep and rupture data on current materials in the design of equipment to be used at elevated temperatures. Some seventy papers and lectures will be given in seven sessions covering the following topics.

1. Fundamental considerations, including metallurgical structure, atomic lattice, dislocations.
2. Plasticity theory. Theoretical and experimental studies under uniaxial and combined stresses.
3. Thermal or mechanical cycling, with or without creep.
4. Criteria for design.
5. Creep and rupture data for particular materials.
6. Application, interpretation and extrapolation of creep and rupture data. Relaxation.
7. Correlation of service data with Laboratory tests.

Enquiries should be made to The Conference Section, The Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, S.W.1.

The Twelfth Annual Rheology Symposium of Japan will be held in Tokyo from 26th to 28th September, 1963. Enquiries should be directed to Prof. S. Oka, Metropolitan University, Faculty of Science, Setagayaku, Fukazawa, Tokyo.

A Joint Meeting of the Society of Glass Technology and the British Ceramic Society will be held at Jesus College, Cambridge on 2nd and 3rd of July, 1963. One section of the meeting deals with the properties of glass and ceramic products. For further details write to The Secretary-Editor, British Ceramic Society, Federation House, Stoke-on-Trent, Staffordshire.

Members are reminded about the fourth International Congress on Rheology at Rhode Island, 26th-30th August, 1963. Details and registration forms may be obtained from the Secretary (address on front cover). Insufficient applications have been received to justify the chartering of an aircraft, but the Express Travel and Transport Co. of 89/91 Newgate Street, London, E.C.2 may be able to assist members with cheap fares to the Congress. Individuals should contact this firm as soon as possible.

New Members

Elected 11th April, 1963.

NAME AND ADDRESS	INTERESTS
F. Testa, Sicedison, Via Dell Electricita, 41, Marghera, Venezia, Italy.	Plastisols.
R. S. Leak, Gestetner Ltd., Tottenham, London, N.17.	Rotation viscometry, printing inks.
D. B. Scully, Dept. of Chemical Engineering, College of Science and Technology, Manchester.	
G. C. Marks, 8, Ogwen Drive, Lakeside, Cymcoed, Cardiff.	P.V.C., viscometry.
W. R. Moore, Dept. of Chemical Technology, College of Technology, Bradford.	High polymers, viscometry.
R. A. Wall, 60, Park Drive, Grimsby.	Titanium dioxide suspensions.
L. R. Fortune, 9, Hornsby Street, Malvern S.E.4, Victoria, Australia.	Adhesives.

Translation

Dr. Tattersall has taken a courageous step (see *Metamorphosis* in Bulletin No. 1, 1963) and deserves our congratulations and good wishes. It is a pity though, that his amusing style has left the impression that the change from industrial to university life is necessarily a desirable end in itself. This, after all, is helping to perpetuate what was, and probably still is, a dominating attitude taken by grammar school teachers, viz. that provided you reach a Senior Common Room, your happiness is assured, and you cannot possibly be regarded as a failure. If C. P. Snow has done one thing, he has exposed this fallacy; a lot of people who have failed at 11+, 16+, 18+, 21+, or 24+ should find consolation here. But isn't it more satisfying to achieve success in industry, rather than try to force yourself into an unattainable position of academic distinction? It may be argued that because there are those in industry who rise to the top beyond their deserts, then industry is unclean. By this standard, is the academic world entirely wholesome?

I am beginning to think that anyone in industry who finds himself trying to answer two telephones at once is himself at fault, rather than the system, and will find himself trying to read two papers at once in his study. The atmospheres are different, but, in addition to luck, are not the ingredients of success in industry much the same as are necessary for a fruitful academic life—capacity for hard work, intelligence, imagination and memory? Let it be admitted that the one sphere may be more congenial to the extrovert, the other to the introvert. But then no two industrial holes fit exactly the same shape of peg.

Perhaps in five years' time Dr. Tattersall will write another page confirming that he took the right step in 1962. The test will be whether or not he is less cynical than he is now.

PATARA

Publication of "Emulsion Rheology" proceedings

The publication by Pergamon Press of the proceedings of last Autumn's meeting in Harrogate should be accomplished by mid-June. Orders and enquiries should be made to the publishers and not to the Society.