

HISTORY
NOT TO BE REMOVED
FROM
FILE.

THE
BRITISH SOCIETY
OF RHEOLOGY

BULLETIN — No. 1, 1959

Hon. Secretary:

Mr. N. Wookey,
52 Tavistock Road,
Edgware,
Middlesex.

Hon. Editor (Bulletin):

Mr. J. F. Hutton,
"Shell," Research Ltd.
P.O. Box 1,
Chester.

THE BRITISH SOCIETY OF RHEOLOGY

New Members, accepted at Committee on 9th December, 1958.

NAME AND ADDRESS.	INTERESTS.
Dr. P. U. A. Grossmann, Division of Forest Products, C.S.I.R.O., Box No. 18, South Melbourne (S.C.5), Victoria, Australia.	Creep in wood. Theoretical rheology.
Mr. John Harris, The Grove, Chapel Street, Mumbles, Swansea.	The extrusion of viscoelastic materials.
Mr. E. A. Raynham, G. Wimpey & Co. Ltd., Central Laboratory, Lancaster Road, Southall, Middlesex.	Concrete, mortars, plasters, asphalts. Mix design and control instrumentation.
Mr. D. W. Woods, 7 Hookstone Wood Road, Harrogate, Yorkshire.	Fibres: extrusion and tensile properties.
Mr. L. A. Wiseman, Mountfield, 14 Queens Gate, Bramhall, Cheshire.	Polymers; mechanical properties of both solids and liquids.
Mr. N. M. Beyts, "Meadow Close," Belgrave Road, Abergavenny, Mon.	Nylon, polythene, polypropylene, p.v.c., methacrylates. Melt extrusion, Screw extrusion, injection moulding.

News of Members.

Mr. A. G. Ward, past-president of the British Society of Rheology (1951-53) and Director of the British Gelatin and Glue Research Association, has been appointed Professor of Leather Industries at Leeds University. Mr. Ward will take up his new appointment in September, 1959.

Mr. E. S. Summers, lately of the Department of Chemical Engineering, University College of Swansea, is now Assistant Engineer in the Viscose Design Department of Courtaulds Ltd., Coventry. Mr. Summers' new address is, 64 Brackenhurst Road, Coventry.

Mr. G. H. Tattershall is now Head of the Physics Department of the Brown-Firth Research Laboratories in Sheffield. A member of the Committee of our Society since 1957, Mr. Tattershall was previously at the Sheffield laboratories of B.I.S.R.A.



Recent Meetings.

A number of reprints of a summarized account of the June, 1958, symposium on *The Accurate Measurement of the Viscosity of Liquids* is available on application to the Honorary Secretary, Mr. N. Wookey. The reprints, which consist of between 5,000 and 6,000 words and five figures, are of an article published in the *Journal of the Institute of Petroleum*, Vol. 44, November, 1958.

The 1958 Annual Meeting of the Society of Rheology (U.S.A.) was held in November at the Franklin Institute, Philadelphia, Pa. About twenty papers were read. We expect most of the papers will be published in the *Transactions of the Society of Rheology*. At this meeting the Bingham Medal was presented to Dr. Ronald S. Rivlin (Brown University, Providence, R.I.)

Future Meetings.

We regret to announce that the meeting on "The Rheology of the Glassy State" arranged for April, 1959, has been cancelled. The papers accepted for this meeting will, however, be presented at our next meeting which will be held at the Imperial College, London, on September 14th and 15th, 1959. The September conference will have the general title "The Glassy State and the Properties of Liquids." It will be held under the joint auspices of the British Society of Rheology and The Physical Society.

The Stress Analysis Group of the Institute of Physics is holding a half-day meeting in April, 1959, on "*Strain Measurement at Elevated Temperature*." On 14th April, 1959, at 2.15 p.m. the London and Home Counties Branch of the Institute will visit the Mining Research Establishment and will afterwards hear a lecture on "*The Fracture of Brittle Materials*." The lecturer will be Mr. I. R. Evans (Central Research Establishment, Isleworth). Further details of these meetings can be obtained from the Secretary of the Institute of Physics at 47 Belgrave Square, S.W.1. We should point out that for the visit and lecture registration is required and attendance is limited.

"*Flow Measurement.—Some problems and devices of special interest.*" This is the title of a paper to be presented by Dr. W. J. Clark to the Tees-Side Section of the Society of Instrumental Technology on 19th March, 1959. The meeting will be held in the Cleveland Scientific and Technical Institute, Corporation Road, Middlesbrough, at 7.30 p.m.

The Birmingham and Midland Section of the Society of Chemistry and Industry will hold a meeting at the Birmingham and Midland Institute on 24th March, 1959, at 6.30 p.m. Two papers will be presented on "*Molecular weights of high polymers*" by Dr. R. S. Lehrle and Dr. F. W. Peaker. At the Society's headquarters, 14 Belgrave Square, S.W.1, on 16th April, 1959, at 6 p.m. Mr. R. I. Hughes will read a paper entitled "*Adhesion in bitumen macadam*."

The subject of the 1959 Conference of the Oil and Colour Chemists' Association will be "*A survey of polymers in relation to the paint, printing ink and allied industries*." The Conference will be held in Edinburgh

from 5th to 9th May. Registration should be made before 1st April at the office of the Secretary, Memorial Hall, Farringdon Street, E.C.4. The lecturers who have agreed to present papers are: Dr. A. F. Childs and Dr. H. Coates on organo-phosphorous polymers; Dr. M. A. C. Williams on the toxicity of some cross linking agents; Prof. R. N. Haszeldine and Dr. R. E. Banks on polymers containing fluorine; Dr. N. Grassie on the chemistry of the deterioration of synthetic polymers; Dr. R. J. W. Reynolds and Dr. H. Gudgeon on some aspects of polyurethane chemistry; Mr. W. H. Stevens on polysulphide coatings and sealants; Dr. W. Gerrard on the experimental approach to the production of applicable baron polymers; Mr. T. R. Bullett and Mr. A. T. S. Rudram on the structural requirements of film forming polymers; Dr. J. S. Long.

Professor G. Gee will present a lecture entitled "*Polyethers*" at two forthcoming meetings of the Chemical Society. On 29th May, 1959, at 7 p.m., the lecture will be held at Messrs. Courtaulds Ltd., Coventry, on March 18th, 1959, at 6.30 p.m., in the Chemistry Department, King's College, Newcastle-upon-Tyne. The latter meeting will be held jointly with the Royal Institute of Chemistry.

Subscriptions and Income Tax.

No doubt many members are wondering whether or not their subscriptions to the British Society of Rheology would be allowed to rank for tax relief under Schedule E. By the time this Bulletin is published the Committee will have discussed this matter and taken appropriate action. We hope to be able to give our members definite (and we hope, favourable) news in the next Bulletin.

SITUATION VACANT

PHYSICIST or PHYSICAL CHEMIST is required to take a senior position in a small team working at the Road Research Laboratory, Harmondsworth, Middlesex, on the use of natural rubber in road-surfacing materials. There will be close collaboration with the research staffs of the Road Research Laboratory and the British Rubber Producers' Research Association. The work is concerned primarily with the study of the physical properties of visco-elastic materials with emphasis on their interpretation in terms of practical behaviour. Encouragement will be given to publish the results of the work. Candidates should have a good Honours degree or equivalent in Physics or Physical Chemistry and several years' research experience. The immediate programme of research is for a period of three years and a starting salary of up to £1,750 per annum will be offered to a suitable candidate. 5-day week. 4 to 5 weeks' annual leave.

Applications should be addressed to:—

THE DIRECTOR, ROAD RESEARCH LABORATORY, HARMONDSWORTH,
MIDDLESEX, marked "Confidential" with the word "Rubber"
in the top left-hand corner of the envelope.