

Forest Bulletin No. 67 (Silviculture Series): Chir (Pinus longiflora) Seed Supply. By S. H. Howard. Pp. 7. (Calcutta: Government of India Central Publication Branch.) 3 annas; 4d.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia. Verhandeligen No. 14: Regenval in Nederlandsch-Indië (Rainfall in the Netherlands Indies). Door (by) Dr. J. Boereema. Deel 1 (Vol. 1): Gemiddelden van den Regenval voor 2715 Waarnemingsplaatsen in Nederlandsch-Indië, berekend uit Waarnemingen verricht in het Tijdvak 1879-1922 (Mean Rainfall Figures for 2715 Rainfall Stations in the Netherlands Indies, calculated from Observations made during the Period 1879-1922). Pp. viii+192. (Wetvreeden: Landsdrukkerij.)

The American Museum of Natural History. Guide Leaflet No. 61: The Capture and Preservation of Small Animals for Study. By H. E. Anthony. Pp. 53. (New York.) 15 cents.

Diary of Societies and Public Lectures.

SATURDAY, JANUARY 9.

GEOGRAPHICAL ASSOCIATION (Annual Meetings) (at London School of Economics), at 9.30 A.M.—Exhibition.—At 10.—Prof. P. M. Roxby: The Concept of Natural Regions in the Teaching of Geography, with Special Illustrations from China.—At 11.15.—Discussions held concurrently in separate rooms:—C. G. Beasley and others: The Place of Geology in a Two Period a Week Geography Course.—C. D. Forde and others: Detail in Geography Lessons.—Major A. G. Church and others: Geography in Relation to other School Subjects.—Miss R. M. Fleming and others: Geography for the Younger Children in Primary Schools.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Yorkshire District) (at Town Hall, Huddersfield), at 2.30.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir William Bragg: Old Trades and New Knowledge: (6) The Trade of the Miner.

INSTITUTE OF BRITISH FOUNDRYMEN (Lancashire Branch) (at College of Technology, Manchester), at 4.—J. Longden: Liquid Shrinkage in Grey Iron.

MONDAY, JANUARY 11.

ROYAL IRISH ACADEMY, at 4.15.

ROYAL SOCIETY OF EDINBURGH, at 4.30.—Prof. A. A. Lawson: Endemism and Evolution as observed in the Australian Flora.—Prof. G. Harrower: A Study of the Hoken and Tamil Skull.—Dr. D. A. Fairweather: Electrosynthesis in the Series of Normal Dibasic Acids.—Miss C. C. Miller: The Slow Oxidation of Phosphorus Trioxide, Pt. 1. The Action of Water Vapour on Phosphorus Trioxide.—E. T. Copson: Partial Differential Equations, and the Calculus of Variations.

VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—Prof. T. G. Pinches: Notes on the Discoveries at Ur and Tel Al-Obeid, and the Worship of the Moon-God.

INSTITUTION OF AUTOMOBILE ENGINEERS (Birmingham Centre) (at Chamber of Commerce, Birmingham), at 7.—H. Briggs: The Elimination of Noise in the Motor Cycle.

INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting) (at University College), at 7.—W. C. Clinton and others: Discussion on The Electrical Installation at the Rockefeller Building, University College.

INSTITUTION OF ELECTRICAL ENGINEERS (North-Eastern Centre) (at Armstrong College, Newcastle-upon-Tyne), at 7.

INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section, London), at 7.—E. H. Lewis: The Reduction of Factory Costs.

INSTITUTE OF METALS (Scottish Local Section) (at 39 Elmbank Crescent, Glasgow), at 7.30.—Prof. F. C. Thompson: The Mechanical Properties of Non-Ferrous Metals and Alloys at High Temperatures.

SURVEYORS' INSTITUTION, at 8.—W. L. Taylor: Recent Forestry Development.

ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—J. P. Mills: The Assam-Burma Frontier.

ROYAL SOCIETY OF MEDICINE, at 8.30.—Prof. Noël Paton: The Metabolic Changes in Chloroform Poisoning.

INSTITUTE OF BREWING (London Section) (at Engineers' Club, Coventry Street, W.).—J. Stewart: Barleys.

INSTITUTION OF ELECTRICAL ENGINEERS (Western Centre) (at Swansea).—R. A. Chattock: Presidential Address.

TUESDAY, JANUARY 12.

MANCHESTER GEOLOGICAL AND MINING SOCIETY, at 4.

ROYAL SOCIETY OF MEDICINE (Therapeutics and Pharmacology and Medicine Sections), at 5.—Prof. Elliott and Prof. Cummins and others: Discussion on The Treatment of Pulmonary Tuberculosis with Sanocrysin.

INSTITUTION OF PETROLEUM TECHNOLOGISTS (at Royal Society of Arts), at 5.30.—J. Stanley Lewis: The Vapour Pressures of Fuel Mixtures, Part II., to be followed by a discussion, opened by Prof. J. S. S. Braine, on The Estimate of Unsaturated and Aromatic Hydrocarbons.

INSTITUTION OF CIVIL ENGINEERS, at 6.—C. F. Bengough: High-Level Bridge, Newcastle-upon-Tyne: Underpinning and Repair of Foundations of River Piers.

INSTITUTION OF ELECTRICAL ENGINEERS (North Midland Centre) (at Hotel Metropole, Leeds), at 7.

INSTITUTION OF ELECTRICAL ENGINEERS (Scottish Centre) (at North British Station Hotel, Edinburgh), at 7.—H. M. Sayers: Electricity Supply Tariffs.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—A. S. Watson: The Influence of the Renaissance on Italian Painting.

INSTITUTION OF AUTOMOBILE ENGINEERS (Coventry Centre) (at Broadgate Café, Coventry), at 7.30.—J. D. Parkes: Logic applied to Failures.

SOCIETY OF CHEMICAL INDUSTRY (South Wales Section) (at Technical College, Cathays Park, Cardiff), at 7.30.—Discussion on The Training of Chemists for Industry.

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND (at 29 Elmbank Crescent, Glasgow), at 7.30.—Prof. W. Kerr: Failure of Metals by Creep.

QUEKETT MICROSCOPICAL CLUB, at 7.30.—T. Savory: Evolution in Spiders.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, at 8.—F. Browne and Dorothy G. Randle: Some New, Modified and Tested Formulæ of the British Pharmaceutical Codex.

WEDNESDAY, JANUARY 13.

ROYAL SOCIETY OF ARTS, at 3.—Prof. H. E. Armstrong: Alice in Wonderland at the Breakfast Table (Mann Juvenile Lectures) (2).

ROYAL SOCIETY OF MEDICINE (Surgery: Sub-Section of Proctology), at 5.30.—Dr. C. Dukes: Simple Tumours of the Large Intestine and their Relation to Cancer. (To be followed by a discussion.)

INSTITUTION OF CIVIL ENGINEERS (Informal Meeting), at 6.—F. J. Paice: The Testing and Examination of Materials for Railway Construction.

RADIO SOCIETY OF GREAT BRITAIN (Informal Meeting) (at Institution of Electrical Engineers), at 6.

INSTITUTION OF ELECTRICAL ENGINEERS (South Midland Centre) (at Birmingham University), at 7.—C. E. Webb: The Power Losses in Magnetic Sheet Material at High Flux Densities.

INSTITUTION OF CHEMICAL ENGINEERS (Jointly with Society of Chemical Industry (London Section)) (at Chemical Society), at 8.—A. J. V. Underwood: A Critical Review of Published Experiments in Filtration.—Dr. G. Martin: Tube Mill Grinding—with special reference to Grinding in a Current of Air.

INSTITUTION OF ENGINEERS-IN-CHARGE (at St. Bride Institute, Bride Lane, E.C.), at 8.—J. W. L. Rowe: Industrial Economics.

INSTITUTION OF STRUCTURAL ENGINEERS (Lancashire and Cheshire Branch).—Prof. J. Husband: The Lateral and Transverse Bracing of Bridges.

THURSDAY, JANUARY 14.

ROYAL SOCIETY, at 4.30.—Dr. L. Hill and Y. Azuma: Effects of Ultra-Violet Radiation upon Involuntary Muscle and the supposed Physiological Interference of Visible Rays.—I. de B. Daly: A Closed Circuit Heart Lung Preparation. Effect of Alterations in the Peripheral Resistance and in the Capacity of the Circulation.—To be read in title only:—T. S. P. Strangeways and Honor B. Fell: Experimental Studies on the Differentiation of Embryonic Tissues growing *in vivo* and *in vitro*.

1. The Development of the Undifferentiated Limb-bud (a) when subcutaneously grafted into the Post Embryonic Chick, and (b) when cultivated *in vitro*.—C. N. Long: Muscular Exercise, Lactic Acid, and the Supply and Utilisation of Oxygen. Part XIV. The Relation in Man between the Oxygen Intake during Exercise and the Lactic Acid Content of the Muscles.—K. F. Hetzel and C. N. Long: The Metabolism of the Diabetic Individual during and after Muscular Exercise.—W. G. Millar: The Diffraction Method of measuring the Diameter of Erythrocytes.

LONDON MATHEMATICAL SOCIETY (at Royal Astronomical Society), at 5.

BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at University College), at 6.—Miss Margaret Drummond: The Nature and Training of the Imagination.

INSTITUTION OF ELECTRICAL ENGINEERS (Dundee Sub-Centre) (at University College, Dundee), at 7.30.—W. M. Mackay: Atmospheric Electricity.

INSTITUTION OF MECHANICAL ENGINEERS (Glasgow Branch) (Annual Meeting) (at Royal Technical College, Glasgow), at 7.30.—S. Couper: Economy of Fuel in Steam Generating Installations.

INSTITUTION OF MECHANICAL ENGINEERS (Cardiff Branch) (Annual Meeting).

INSTITUTION OF MECHANICAL ENGINEERS (Liverpool Branch).—Third Report of the Marine Engine Trials Committee.

OIL AND COLOUR CHEMISTS' ASSOCIATION.

INSTITUTION OF THE RUBBER INDUSTRY (Manchester Section) (at Manchester).—H. C. Young: Steam and its Control as applied to Rubber Production Methods.

FRIDAY, JANUARY 15.

ROYAL ASTRONOMICAL SOCIETY (Geophysical Discussion), at 5.—Prof. J. Joly: Radioactivity and the Earth's Surface History. Other speakers: Dr. H. Jeffreys and P. Lake. In chair—Lord Rayleigh.

INSTITUTION OF MECHANICAL ENGINEERS (Informal Meeting), at 7.—Discussion: Novelties at the 1925 Engineering Exhibition.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—A. C. Banfield and J. D. Johnston: Demonstration of Thiocarbamide Lantern Slide Making.

PHOTOMICROGRAPHIC SOCIETY (at 20 Mortimer Street) (Members only), at 7.—J. W. Ogilvy: Demonstration of Recent Improvements in Microscopical Apparatus.

INSTITUTE OF METALS (Swansea Local Section) (at University College, Swansea), at 7.15.—Prof. F. C. Thompson: The Wire-Drawing Process.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—J. Wolstenholme: The Commercial Side of Foundry Work.

INSTITUTE OF METALS (Sheffield Local Section) (at Sheffield University), at 7.30.—Prof. C. H. Desch: The Early History of Gold.

INSTITUTION OF STRUCTURAL ENGINEERS (Midland Counties Branch) (at Birmingham), at 7.30.—W. E. Ballard: Metallisation with special reference to Zinc Coatings to prevent Corrosion of Structural Steelwork.

INSTITUTION OF MECHANICAL ENGINEERS (Leeds Branch) (Annual Meeting).—Prof. F. C. Lea: Repetition Stresses.

SATURDAY, JANUARY 16.

SCOTTISH JUNIOR GAS ASSOCIATION (at Royal Technical College, Glasgow), at 7.—D. Garrie: Paper.

PUBLIC LECTURES.

MONDAY, JANUARY 11.

DYERS' HALL (Dowgate Hill), at 6.—C. M. Whittaker: Artificial Silk Dyeing.

FRIDAY, JANUARY 15.

UNIVERSITY COLLEGE, at 5.—Prof. T. Borenius: Donatello.