

a high intensity section corresponding with that obtained from the fovea (cones only) and a low intensity section (rods). Corresponding results are obtained at different wave-lengths. KENDALL W. FOSTER: Colour changes in *Fundulus* with special reference to the colour changes of the iridosomes. Iridosomes deep in the dermis are composed of guanin crystals and remain blue or green in colour regardless of background. Under illumination, however, they change colour progressively. The changes suggest that the laminae of the crystals or the crystals thicken under the action of light and that the recovery is a reverse process. J. L. WALSH: The Cauchy-Goursat theorem for rectifiable Jordan curves. M. F. ROSSKOPF: An inequality for Legendre series coefficients. AARON FIALKOW: The geometry of degenerate heat families. E. K. HAVILAND: On statistical methods in the theory of almost-periodic functions. G. A. MILLER: Sylow subgroups and the number of operators whose orders are powers of the same prime. HERBERT DINGLE: Values of T_{μ}^{ν} and the Christoffel symbols for a line element of considerable generality. C. RAYMOND ADAMS: On non-factorable transformations of double sequences. A. KHINTCHINE: The method of spectral reduction in classical dynamics. Einar Hille and J. D. TAMARKIN: Questions of relative inclusion in the domain of Hausdorff means. E. T. BELL: Finite ova.

Forthcoming Events

- INSTITUTE OF METALS, Sept. 18–21.—Twenty-fifth Autumn Meeting to be held at Birmingham.
Sept. 18.—W. R. Barclay: "Twenty-five Years' Progress in Metallurgical Plant" (Twelfth Autumn Lecture).
- BRITISH MYCOLOGICAL SOCIETY, Sept. 18–23.—Annual Meeting at Newcastle-upon-Tyne.
Prof. W. Brown: "The Mechanism of Disease Resistance in Plants" (Presidential Address).
- INTERNATIONAL CONGRESS OF GLASS AND CERAMICS, Sept. 18–26. To be held at Milan.
- ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX.—Sept. 22–25. Tenth Annual Conference to be held in Wills' Hall, Stoke Bishop, Bristol. Sir Charles Sherrington: President.

Official Publications Received

GREAT BRITAIN AND IRELAND

- East London College (University of London). Calendar, Session 1933–1934. Pp. 221. (London.)
- The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 73, No. 440, August. Pp. 97–212+xii. (London: E. and F. N. Spon, Ltd.) 10s. 6d.
- The British Mycological Society. Transactions. Edited by J. Ramsbottom, B. F. Barnes and H. Wormald. Vol. 18, Part 1, August 16th. Pp. 92+6 plates. (London: Cambridge University Press.) 7s. 6d.
- Sir John Cass Technical Institute, Jewry Street, Aldgate, E.C. Syllabus of Classes, Session 1933–34. Pp. 116. (London.)
- Journal of the Society of Glass Technology. Edited by Prof. W. E. S. Turner. Vol. 17, No. 66, June. Pp. xiii+85–238+133–300+xxiv. (Sheffield.) 10s. 6d.
- Aeronautical Research Committee. Report for the Year 1932–33. Pp. iv+94+5 plates. (London: H.M. Stationery Office.) 2s. net.
- Journal of the British Wood Preserving Association. Edited by A. H. Lloyd and R. C. B. Gardner. Vol. 3. Pp. viii+111+xxvi+8 plates. (London.) 7s. 6d.
- University of London: King's College, Faculty of Engineering. Syllabus of Classes, 1933–1934. Pp. 39+xv. (London.)
- The North of Scotland College of Agriculture. Calendar, Session 1933–1934. Pp. viii+120. Bulletin No. 38: The Use of Chlorates in Weed Control. By D. Clouston and A. Hill. Pp. 8. Bulletin No. 39: Worm Infestation of Lambs. By Dr. David Robertson. Pp. 8+2 plates. (Aberdeen.)
- Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1519 (T. 3091 and 'a'): Lateral Stability of an Aeroplane beyond the Stall. By L. W. Bryant, I. M. W. Jones and

- G. L. Pawsey. Pp. 18+20 plates. 1s. 3d. net. No. 1529 (T. 3326): Abstract—Flexural Centre and Centre of Twist of an Elastic Cylinder. By Dr. W. J. Duncan, D. L. Ellis and C. Scruton. Pp. 4. 2d. net. No. 1534 (T. 3361): Spinning of High and Low Wing Monoplanes. By H. B. Irving, A. S. Batson and A. G. Gadd. Pp. 5+6 plates. 6d. net. (London: H.M. Stationery Office.)
- Journal of the Society for the Preservation of the Fauna of the Empire. New Series, Part 20, August. Pp. 68. (Hertford: Stephen Austin and Sons, Ltd.) 2s.
- London County Council. Lectures and Classes for Teachers: Handbook for the Session 1933–34. Pp. 72. (London.)
- Department of Scientific and Industrial Research: Food Investigation. Leaflet No. 3: The Care of the Trawler's Fish. By A. Lumley. Pp. 4. (London: Department of Scientific and Industrial Research.) Free.

OTHER COUNTRIES

- Review of Agricultural Operations in India, 1929–30 and 1930–31. Pp. v+350. (Delhi: Manager of Publications.) 5 rupees; 8s. 3d.
- Ministry of Public Works, Egypt: Physical Department. Helwan Observatory Bulletin No. 36: On the Choice of a Suitable Projection for representing the Aspect of the Heavens. By M. R. Madwar. Pp. 12+1 plate. (Cairo: Government Press.)
- Agricultural Experiment Station: North Dakota Agricultural College. Bulletin 269: Wild Flowers of North Dakota. By O. A. Stevens. Pp. 51. (Fargo, N.D.)
- The Pneumatic System of Plants, especially Trees. By D. T. MacDougal and Earl B. Working. (Publication No. 441.) Pp. 87. (Washington, D.C.: Carnegie Institution.)
- Chemical Investigations of the Tobacco Plant. By Hubert Bradford Vickery, George W. Pucher, Alfred J. Wakeman and Charles S. Leavenworth; with Technical Assistance of Laurence S. Nolan. (Publication No. 445.) Pp. iv+77. (Washington, D.C.: Carnegie Institution.)
- Annale van die (Annals of the) Transvaal Museum. Deel (Vol.) 15, Stuk (Part) 2. Pp. 123–280+14 plates. (Pretoria: Government Printer.) 7s. 6d.
- Commonwealth Bureau of Census and Statistics, Canberra. Official Year Book of the Commonwealth of Australia. No. 25, 1932. Prepared by E. T. McPhee. Pp. xxxii+894. (Canberra: Commonwealth Government Printer.) 5s.
- Proceedings of the American Philosophical Society. Vol. 72, No. 3. Pp. 101–214. (Philadelphia.)
- Scientific Papers of the Institute of Physical and Chemical Research. No. 435: Cathode Ray Oscillogram of Action Potential of Nerve. By Shumpei Watanabe and Kyogo Sasagawa. Pp. 139–148. 20 sen. Nos. 436–439: On the Production of Seborrhoea in Rat by Feeding with Whale Oil, by Eiichi Somekawa; On the Precision of the Measurement of the Lo Surdo Stark Effect Patterns, by Yoshio Ishida and Tadashi Tamura; Ether-soluble Substances in Polished Rice and their Physiological Behaviour, by Yoshikazu Sahashi; The Solarization of Luminiferous Calcite, by Satoyasu Iimori. Pp. 149–231+plates 15–18. 80 sen. (Tokyo: Iwanami Shoten.)
- Proceedings of the American Academy of Arts and Sciences. Vol. 68, No. 7: Gyromagnetic Experiments on the Process of Magnetization in Weak Fields. By S. J. Barnett. Pp. 229–249. 65 cents. Vol. 68, No. 8: The Significance of Cells as revealed by their Polyhedral Shapes, with Special Reference to Precarilage; and a Surmise concerning Nerve Cells and Neuroglia. By Frederic T. Lewis. Pp. 251–284+2 plates. 85 cents. (Boston, Mass.)
- Zoologica: Scientific Contributions of the New York Zoological Society. Vol. 13, No. 8: Deep-Sea Isospondylous Fishes; Two New Genera and Four New Species. By William Beebe. Pp. 159–167. (New York City.)
- Astrographic Catalogue 1900.0. Sydney Section, Dec. –51° to –65°. From Photographs taken at the Sydney Observatory, New South Wales, Australia. Vol. 9: R.A. 0° to 6°, Dec. –53° to –55°, Plate Centres Dec. –54°. Vol. 10: R.A. 6° to 12°, Dec. –53° to –55°, Plate Centres Dec. –54°. Pp. 119. (Sydney: Government Printer.)
- Statens Meteorologisk-Hydrografiska Anstalt. Årsbok, 14, 1932. ii. Nederbörden i Sverige. Pp. 56. (Stockholm.) 2.50 kr.
- Department of Agriculture: Straits Settlements and Federated Malay States. Economic Series, No. 2: Nationality of Ownership and Nature of Constitution of Rubber Estates in Malaya. By D. H. Grist. Pp. ii+26. 50 cents. General Series, No. 13: Tapioca in Malaya. By V. R. Greenstreet and J. Lambourne. Pp. vi+78+24 plates. 1 dollar; 2s. 4d. (Kuala Lumpur.)
- Commonwealth of Australia: Council for Scientific and Industrial Research. Bulletin No. 75: *Nigrospora musae* n.sp. and its Connexion with "Squirrel" Disease in Bananas. By Prof. Etnel I. McLennan and Shirley Hoette. Pp. 36+1 plate. Pamphlet No. 40: A guide to the Seasoning of Australian Timbers. By C. Sibley Elliot. Pp. 53. (Melbourne: Government Printer.)
- Denkschriften der Schweizerischen Naturforschenden Gesellschaft. Band 68, Abh. 2: Jura und Unterkreide in den helvetischen Alpen beiderseits des Rheins (Vorarlberg und Ostschweiz). Von Arnold Heim und Ernst Baumberger. Pp. ix+155–220+2 plates. (Zürich: Gebrüder Fretz A.-G.)
- South Australia: Department of Mines. Mining Review for the Half-year ended December 31st, 1932. (No. 57.) Pp. 103. (Adelaide: Government Printer.)
- Journal of the University of Bombay. Vol. 1, Part 5: Biological Sciences, including Medicine. Pp. 213. (Bombay: Longmans, Green and Co., Ltd.) 3 rupees.

CATALOGUES

- Oestroform: a Standardised Preparation of the Crystalline Ovarian Follicular Hormone. Pp. 6. (London: The British Drug Houses, Ltd.)
- Bee Flowers: a Descriptive List of all kinds of Flowers which secrete Nectar and provide Pollen, with reasons why they should be Grown. Pp. 8. (Maidenhead: H. S. Boothman.)
- "T.R.T." Toolroom Tempering Equipments with Forced Air Circulation. Pp. 4. (London: Wild-Barfield Electric Furnaces, Ltd.)