

stimulated by auxin-*a* is decreased by exposure to light, those treated with hetero-auxin are not affected. Sections of coleoptiles inactivate auxin-*a* but not hetero-auxin. C. A. G. WIERSMA and A. VAN HARREVELD: The double motor innervation of a crayfish muscle. Two motor axons only were found for the adductor muscle; the larger evokes a twitch and the smaller a slow contraction. A. G. JACQUES: The kinetics of penetration (13). Effect of pH on the entrance of potassium into *Nitella* at low concentrations. The lower the pH in the range used (6-8), the greater the tendency for potassium to enter the sap from solutions containing 0.00001 N potassium. The chloride concentration of the sap remained practically constant. The experiments were performed practically in darkness.

## Forthcoming Events

[Meetings marked with an asterisk are open to the public.]

### Monday, May 25

ROYAL GEOGRAPHICAL SOCIETY, at 5.30.—Sir Charles Bell: "A Recent Journey to Mongolia" (Film).

### Tuesday, May 26

ROYAL SOCIETY OF ARTS (DOMINIONS AND COLONIES SECTION), at 4.30.—Prof. J. W. Munro: "Insect Damage to Empire Products".

INSTITUTE OF PATHOLOGY AND RESEARCH, ST. MARY'S HOSPITAL, LONDON, at 5.—Prof. E. N. da C. Andrade: "Artificial Radioactivity".

WARBURG INSTITUTE, at 5.30.—Prof. Ernst Cassirer: "Critical Idealism as a Philosophy of Culture".\*

INSTITUTION OF CIVIL ENGINEERS, at 6.—Eugene Schneider: "Recent Developments in Metallurgy and their Influence on Engineering" (Special Lecture).

GRESHAM COLLEGE, Basinghall Street, E.C.2, at 6.—A. R. Hinks, F.R.S.: "On Making Great Telescopes" (Gresham Lectures on Astronomy. Succeeding lectures on May 27, 28 and 29).\*

BIRKBECK COLLEGE (NATURAL HISTORY SOCIETY), at 8.—Dr. George Taylor: "The British Museum Expedition to the Mountains of East Africa".\*

### Wednesday, May 27

BRITISH PSYCHOLOGICAL SOCIETY (MEDICAL SECTION), at 8.30.—Symposium on "Patterns of Culture" to be opened by Prof. C. G. Seligman (joint meeting with the Royal Anthropological Institute).

### Thursday, May 28

LINNEAN SOCIETY, at 5.—Dr. W. T. Calman, F.R.S.: "The Origin of Insects" (Presidential Address).

ROYAL VETERINARY COLLEGE, at 5.30.—Prof. L. de Bleeck: "Vaccination against Salmonella-Infection".\*

CHEMICAL SOCIETY, at 5.30.—(at the Institution of Mechanical Engineers, Storey's Gate, Westminster, S.W.1).—Prof. R. Robinson: "Synthesis in Biochemistry" (Pedler Lecture).

### Friday, May 29

ROYAL INSTITUTION, at 9.—Dr. R. E. M. Wheeler: "Current and Forthcoming Archaeological Exploration in the British Isles".

ASSOCIATION OF TEACHERS IN TECHNICAL INSTITUTIONS, May 30-June 2. Annual Conference to be held at Plymouth.

## Official Publications Received

### Great Britain and Ireland

Technical Publications of the International Tin Research and Development Council. Series A, No. 34: Some Recent Investigations on the Corrosion of Tin. By D. J. Macnaughtan and Dr. E. S. Hedges. Pp. 13. (London: International Tin Research and Development Council.) Free. [204]  
Memoirs of the Cotton Research Station, Trinidad. Series B; Physiology. No. 7: Further Studies on Transport in the Cotton Plant. 3: Concerning the Independence of Solute Movement in the Phloem, by T. G. Mason, E. J. Maskell and E. Phillips; 4: On the Simultaneous Movement of Solutes in Opposite Directions through the Phloem, by T. G. Mason and E. Phillips. Pp. 50. (London: Empire Cotton Growing Corporation.) 2s. 6d. [214]  
Ministry of Labour. Report for the Year 1935. (Cmd. 5145.) Pp. vi+142. (London: H.M. Stationery Office.) 2s. 6d. net. [214]  
Annual Reports on the Progress of Chemistry for 1935. Vol. 32. Pp. 527. (London: Chemical Society.) 10s. 6d. [224]

### Other Countries

Memoirs of the Geological Survey of India. Palaeontologia Indica. New Series, Vol. 21, Memoir No. 3: The Lower Palaeozoic Faunas of the Southern Shan States. By Dr. F. R. Cowper Reed. Pp. xii+130+7 plates. (Calcutta: Geological Survey of India.) 7.10 rupees; 13s. [274]

Bergens Museums Skrifter, Nr. 18: Die nordischen Munidaarten und ihre Rhizocephalen. Von Prof. Dr. August Brinkmann. Pp. 111+5 plates. (Bergen: A/S John Griegs Boktrykkeri.) 15.00 kr. [284]

The National Geographic Society and its Magazine. By Gilbert Grosvenor. Pp. 42. (Washington, D.C.: National Geographic Society.) [294]

Proceedings of the United States National Museum. Vol. 89, No. 2932: Five New Genera and Two New Species of Unstalked Crinoids. By Austin H. Clark. Pp. 245-250. (Washington, D.C.: Government Printing Office.) [294]

Brooklyn Botanic Garden Record. Vol. 25, No. 2: Twenty-fifth Annual Report of the Brooklyn Botanic Garden, 1935. Pp. 206. (Brooklyn, N.Y.: Brooklyn Institute of Arts and Sciences.) [294]

U.S. Department of the Interior: Office of Education. Bulletin, 1935, No. 12: Availability of Education to Negroes in Rural Communities. By Ambrose Caliver. Pp. iv+86. 10 cents. Leaflet No. 46: Educational Facilities for Children on Federal Government Reservations, 1934-35. By Timon Covert. Pp. 9. 5 cents. (Washington, D.C.: Government Printing Office.) [294]

The Egyptian University: Faculty of Science. Report for the Session 1932-33. Pp. 80. Report for the Session 1933-34. Pp. 128. (Cairo: Egyptian University.) [294]

Smithsonian Miscellaneous Collections. Vol. 95, No. 4: Second Contribution to Nomenclature of Cambrian Trilobites. By Charles Elmer Resser. (Publication 3383.) Pp. 29. (Washington, D.C.: Government Printing Office.) [294]

Conseil Permanent International pour l'Exploration de la Mer. Rapports et Procès-verbaux des Reunions. Vol. 95: Reports of the Proceedings of the Special Plankton Meeting held on May 27th, 1935, at Copenhagen, and of the Special Meeting held at Videnskaberens Selskab's Premises on May 31st, 1935. Pp. 61. 3.00 kr. Vol. 96: Laws and Regulations in Summary concerning Salmon and Trout Fisheries. Compiled by T. E. Pryce-Tannatt. Pp. 37. 2.00 kr. Vol. 98: A Review of Fishery Statistics in relation to Wholesale-Index. By W. Nellesen. Pp. 72. 4.00 kr. Vol. 99: Scientific Report of the North-Western Area Committee for 1933-1935. By Dr. A. Vedel Tåning. Pp. iii+34+28+20+12+6+20. 4.00 kr. (Copenhagen: Andr. Fred Hest et fls.) [304]

Indian Central Cotton Committee: Technological Laboratory. Technological Bulletin, Series A, No. 29: Technological Reports on Trade Varieties of Indian Cottons, 1935. By Dr. Nazir Ahmad. Pp. v+116. (Bombay: Indian Central Cotton Committee.) 1.8 rupees. [45]

Conseil International des Unions scientifiques. Quatrième Rapport de la Commission pour l'étude des relations entre les phénomènes solaires et terrestres. Pp. 159. (Firenze: Conseil International des Unions scientifiques.) [45]

Rensselaer Polytechnic Institute. Catalogue: Undergraduate and Graduate Courses, including those arranged for Officers detailed to the Institute by the Government of the United States; Geographical Distribution of Graduates. Pp. 223+4 plates. (Troy, N.Y.: Rensselaer Polytechnic Institute.) [45]

Journal of the Faculty of Agriculture, Hokkaido Imperial University. Vol. 39, Part 2: Untersuchungen über die Hyochi-Bazillen im Sake. Von Yoshio Otani. Pp. 49-142. (Tokyo: Maruzen Co., Ltd.) [45]

Ontario Research Foundation. Report for the Year 1935. Pp. 31. (Toronto: King's Printer.) [45]

Mitteilung der Naturforschenden Gesellschaft Bern aus dem Jahre 1935. Redaktion: Dr. G. v. Büren. Pp. xxxvii+104+5 plates. (Bern: Paul Haupt.) [45]

### Catalogues

Mandelix (Elixir of Ammonium Mandelate B.D.H.) in the treatment of Urinary Infections. Pp. 8. (London: The British Drug Houses, Ltd.)

Catalogue of Secondary and Higher Text-Books. Pp. 232. (London: G. Bell and Sons, Ltd.)

Eastman Organic Chemicals. (List No. 27.) Pp. 116. (Rochester, N.Y.: Eastman Kodak Co.)

Catalogue of Science and Technology, No. III: Annotated and Classified List of Rare and Standard Works on Exact and Applied Science. Part XII: comprising XIV. Navigation, Naval Architecture and Engineering, and XV. Aeronautics. (No. 846.) Pp. 1193-1268. (London: Henry Sotherton, Ltd.)

Neoket in the Treatment of Urinary Infections. Pp. 16. (Nottingham: Boots Pure Drug Co., Ltd.)