

principal stars, and it was once called "the astronomical capital of the world". The elder Struve retiring in 1861, he was succeeded in the directorship by his son Otto Wilhelm von Struve (1819-1905) and among his successors have been Theodor Alexandrovitch Bredichin (1831-1904) and Johan Oscar Backlund (1846-1916).

The British Association at Birmingham

Owing to the Chartist riots in Birmingham in July 1839, doubts were expressed as to the advisability of holding the meeting of the British Association, but the meeting took place and was successful. On August 24 the correspondent of the *Athenæum* wrote: "Many circumstances combined to throw a gloom over the opening of the Birmingham session of the British Association. The recent disturbances had rendered it doubtful whether the meeting might not be adjourned to another time and place; foreigners were alarmed by the exaggerated accounts of the riots; and the members of the Local Committee, having their attention engaged by the exciting events around them, could not bestow much of their time in preparations for the reception of the Association. Indeed, under the circumstances, it was surprising that their arrangements were so perfect as we found them. Many members, however, were disappointed at the very limited number of manufactories opened to general inspection; and it was thought to be most strange, and a subject of general remark, that no one of the great engineering establishments, for which Birmingham is so renowned, were found in the list. The Local Committee, however, and all who aided them, deserve great credit for their exertions in collecting together the 'Illustrations of Manufactures, Inventions and Models.'"

APPOINTMENTS VACANT

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:

LECTURER IN MECHANICAL ENGINEERING at the Hull Municipal Technical College—The Director of Education, Guildhall, Hull (August 22).

DEMONSTRATOR IN BOTANY—The Secretary, King's College, Strand, W.C.2 (August 26).

ASSISTANTS II (Male) in the Meteorological Office—The Under-Secretary of State (S.2.B.Met.), Air Ministry, Adastral House, Kingsway, W.C.2 (August 28).

MASTER TO TEACH MATHEMATICS in the Government Technical School, Baghdad—The Secretary (I.P.R./CA), Board of Education, Alexandra House, Kingsway, W.C.2 (August 28).

A SENIOR SCIENTIFIC OFFICER, A JUNIOR SCIENTIFIC OFFICER, AND AN ASSISTANT I, in the staff for Scientific Research—The Ministry of Supply, Adelphi, W.C.2 (quoting Appts. No. 03/S.E.3) (August 31).

ASSISTANT PROFESSOR OF SOCIOLOGY in the Fuad el Awal University—The Dean of the Faculty of Arts, Giza, Egypt (September 1).

ASSISTANT LECTURER IN ORGANIC CHEMISTRY—The Registrar, University College of the South-West, Exeter (September 9).

VETERINARY INVESTIGATION OFFICER under the Advisory Scheme for the Ministry of Agriculture—The Registrar, University, Leeds (September 13).

LIBRARIAN—The Secretary, Chartered Surveyors' Institution, 12 Great George Street, S.W.1 (September 30).

LECTURER IN PHYSIOLOGY—The Registrar, Municipal College, Portsmouth.

ASSISTANT ENGINEERS for the Posts and Telegraphs Department of Kenya, Uganda and Tanganyika Territory—The Crown Agents for the Colonies, 4 Millbank, S.W.1 (quoting M/8137).

ASSISTANT ENGINEER for the Drainage and Irrigation Department, Malaya—The Crown Agents for the Colonies, 4 Millbank, S.W.1 (quoting M/5765).

REPORTS AND OTHER PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Rubber in Chemical Engineering. By Dr. Henry P. Stevens and M. B. Donald. Pp. iv+53+15 plates. (London: British Rubber Publicity Association.) Free. [118]

The Board of Greenkeeping Research. Report for 1938 and a General Account of the Work in Progress. Pp. 78. (Bingley: St. Ives Research Station.) 2s. [118]

Historic Tinned Foods. (Publication No. 85.) Second edition. Pp. 70. (Greenford: International Tin Research and Development Council.) [118]

Other Countries

U.S. Department of the Interior: Office of Education. Bulletin, 1937, No. 2: Statistical Summary of Education, 1935-36. Prepared by Emery M. Foster. Pp. 39. (Washington, D.C.: Government Printing Office.) 10 cents. [48]

Proceedings of the California Academy of Sciences, Fourth Series. Vol. 22, No. 8: The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 37: The Cyperaceae. By H. K. Svenson. Pp. 187-194. Vol. 22, No. 9: The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 33: Fungi from the Galapagos and other Pacific Coastal Islands. By Lee Bonar. Pp. 195-206. Vol. 22, No. 10: The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 39: Two New Flagellates from Termites in the Genera *Coronympha* Kirby and *Metacoronympha* Kirby, New Genus. By Harold Kirby, Jr. Pp. 207-220+plates 36-39. Vol. 23, No. 24: Marine Pleistocene Mollusks from the Galapagos Islands. By Leo George Hertlein. Pp. 367-380+plate 32. (San Francisco, Calif.: California Academy of Sciences.) [48]

Smithsonian Miscellaneous Collections. Vol. 93, No. 18: Notes on Hiller's Photographs of the Paiute and Ute Indians taken on the Powell Expedition of 1873. By Julian H. Steward. (Publication 3543.) Pp. 23+31 plates. (Washington, D.C.: Smithsonian Institution.) [48]

Papers of the Michigan Academy of Science, Arts and Letters. Edited by Eugene S. McCartney and Robert Burnett Hall. Vol. 24 (1938). Part 1: Botany and Forestry. Pp. ix+vii+208+35 plates; Part 2: Zoology. Pp. vii+221+6 plates; Part 3: Geography. Pp. ix+134+24 plates; Part 4: General. Pp. vii+152+5 plates+iv. (Ann Arbor, Mich.: University of Michigan Press; London: Oxford University Press.) 21s. net. [88]

Sveriges Geologiska Undersökning. Ser. Ca, No. 29: A General Earth Magnetic Investigation of Sweden, carried out during the Period 1928-1934 by the Geological Survey of Sweden. Part 2: Inclination. By Kurt Molin. Pp. 119+4 plates. (Stockholm: P. A. Norstedt and Söner.) 10.00 kr. [88]

Union of South Africa. Report of the South African Museum for the Year ended 31st December 1938. Pp. 20+2 plates. (Pretoria: Government Printer.) [88]

University of Illinois: Engineering Experiment Station. Bulletin No. 311: The Surface Tension of Molten Glass. By Prof. Cullen W. Parmelee, Kenneth C. Lyon and Cameron G. Harman. Pp. 47. 55 cents. Circular No. 37: Papers presented at the Second Conference on Air Conditioning held at the University of Illinois, March 8 and 9, 1939. Pp. 151. 50 cents. Circular No. 33: Papers presented at the Twenty-sixth Annual Conference on Highway Engineering, held at the University of Illinois, March 1-3, 1939. Pp. 116. 50 cents. (Urbana, Ill.: University of Illinois Engineering Experiment Station.) [88]

Southern Rhodesia. Memoirs of the Department of Agriculture, No. 1: Studies in the Physiology and Behaviour of *Glossina morsitans*, Westw. By Rupert W. Jack. Pp. iv+203+vii. (Salisbury: Government Stationery Office.) [88]

Ceylon. Sessional Paper XI, 1939: Report and Accounts of the Coconut Research Scheme for 1938. Pp. 22. (Colombo: Government Record Office.) 25 cents. [88]

University of Mysore. Studies in Physics, 1: The Atmospheric Electric Field and the Electric Conductivity of the Air at Bangalore on specified days during the International Polar Year August 1932 to August 1933. By Prof. A. Venkat Rao Talang and A. Ananthapadmanabha Rao. Pp. ii+34. (Bangalore: University of Mysore.) [88]

Bulletin of the American Museum of Natural History. Vol. 76, Art. 3: The Indo-Malayan Species of *Trigona*. By Herbert F. Schwarz. Pp. 83-141. (New York: American Museum of Natural History.) [88]

Instytut Geofizyki i Meteorologii Uniwersytetu Jana Kazimierza. Komunikaty, Tom 10, Nr. 119 do 133: Wynikow prac Henryka Arctowskiego i jego współpracowników. Pp. v+229. (Lwów: Uniwersytetu Jana Kazimierza.) [88]

Publications of the South African Institute for Medical Research. No. 42: The Larval Trematoda found in certain South African Mollusca, with Special Reference to Schistosomiasis (Bilharziasis). By Dr. Annie Porter. Pp. 492+83 plates. No. 44: Blood Groups in Africa. By Dr. Ronald Elsdon-Dew. Pp. 29-94. (Johannesburg: South African Institute for Medical Research.) [98]

Statens Meteorologisk-Hydrografiska Anstalt. Årsberättelse för 1938. Pp. 20. Årsbok, 18, 1938. 7: Meteorologiska iakttagelser i Riksgrensen. Pp. 44. 4.00 kr. Årsbok, 20, 1938. 1: Månadsöversikt över väderlek och vattentillgång. Pp. 80. 2.50 kr. 2: Nederbörden i Sverige. Pp. 16. 2.50 kr. Meddelanden, Band 7, No. 5: Om sambandet mellan islägningen vid Svenska ostkusten och meteorologiska faktorer. Av C. J. Ostman. Pp. 16. 1.00 kr. (Stockholm: P. A. Norstedt and Söner.) [108]

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 195: Sugar Cane Planting Experiments, 1933-1937. By Arthur H. Rosenfeld. Pp. ii+32+8 plates. P.T.7. Bulletin No. 199: A Spacing Experiment with Egyptian Wheats. By Dr. James Philip. Pp. ii+49+38 plates. P.T.10. (Cairo: Government Press.) [108]

Conseil International des Unions scientifiques. Cinquième rapport de la Commission pour l'étude des relations entre les phénomènes solaires et terrestres. Pp. 203+4 plates. (Firenze: Tipografia Barbera.) [108]

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia. Jaarverslag 1938. Pp. 29. (Batavia: Koninklijk Magnetisch en Meteorologisch Observatorium.) [118]