

Forthcoming Events

Tuesday, July 4

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.30.—(Special Meeting). Prof. Peter H. Buck: "Polynesian Voyages".

INTERNATIONAL CONFERENCE OF SHEEP BREEDERS, July 3 (at Derby).—Major T. Dalling: "A Consideration of some Sheep Diseases, their Prevention and Treatment".

IMPERIAL SOCIAL HYGIENE CONGRESS, July 3-7.—Sixth Congress to be held at the London School of Hygiene and Tropical Medicine. President: Sir Basil Blackett.

MUSEUMS ASSOCIATION, July 3-7.—Annual Conference to be held at Norwich. President: Sir Henry Miers.

Official Publications Received

GREAT BRITAIN AND IRELAND

- Report of the Astronomer Royal to the Board of Visitors of the Royal Observatory, Greenwich, read at the Annual Visitation of the Royal Observatory, 1933, June 3. Pp. 18. (Greenwich.)
- Empire Marketing Board, May 1932 to May 1933. (E.M.B. 63.) Pp. 127. (London: H.M. Stationery Office.) 1s. net.
- Journal of the Society of Glass Technology. Edited by Prof. W. E. S. Turner. Vol. 17, No. 65, March. Pp. x+34+92+132+xxiv. (Sheffield.) 10s. 6d.
- Imperial Institute. Annual Report 1932, by the Director, Lieut.-General Sir William Furse, to the Board of Governors. Pp. 54. (London: Imperial Institute.) 2s.
- City and University of Birmingham: Joint Board of Research for Mental Disease. Annual Report, 1932-1933. Pp. 15. (Birmingham.)
- Stonyhurst College Observatory. Results of Geophysical and Solar Observations, 1932; with Report and Notes of the Director, the Rev. J. P. Rowland. Pp. xx+43. (Blackburn.)
- A Guide to Instructional and Educational Films, available for use by Educational and Social Organisations in Great Britain. Pp. vi+184. (London: The Central Information Bureau for Educational Films.) 3s. 6d.
- Society of Chemical Industry: Chemical Engineering Group. Proceedings, Vol. 13, 1931. Pp. 177. 10s. 6d. Proceedings, Vol. 14, 1932. Pp. 183. 10s. 6d. (London: Chemical Engineering Group.)
- Transactions of the Royal Society of Edinburgh. Vol. 57, Part 3, No. 24: The Late-Glacial Readvance Moraines of the Highland Border West of the River Tay. By Dr. J. B. Simpson. Pp. 633-646+3 plates. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.) 3s.
- Air Ministry: Aeronautical Research Committee: Notes and Memoranda. No. 1503 (I.C.E. 804, 882): Surging in Centrifugal Superchargers. By G. V. Brooke. Pp. 43+28 plates. 2s. 6d. net. No. 1504 (T.3239): Tests on a Bristol Bulldog fitted with a Thin Townend Ring. By W. G. A. Perring. Pp. 18+5 plates. 1s. net. (London: H.M. Stationery Office.)
- Proceedings of the Royal Society. Series A, Vol. 140, No. A842, June 1. Pp. 483-744. (London: Harrison and Sons, Ltd.) 13s.
- The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 72, No. 438, June. Pp. 461-556+xxviii. (London: E. and F. N. Spon, Ltd.) 10s. 6d.
- Memoirs and Proceedings of the Manchester Literary and Philosophical Society, 1931-32. Vol. 76. Pp. iv+122+liii+8 plates. (Manchester.) 10s.

OTHER COUNTRIES

- Japanese Journal of Astronomy and Geophysics. Transactions and Abstracts, Vol. 10, No. 3. Pp. ii+305-367+29-40. (Tokyo: National Research Council of Japan.)
- Tanganyika Territory: Geological Survey Department. Bulletin No. 4: Limestone Deposits of Tanganyika Territory, with a Description of the Commercial Uses of Limestone and Lime, and Brief Notes upon the Occurrences of Gypsum and Magnesite. By Frank Oates. Pp. iii+120. (Dar es Salaam: Government Printer.) 5s.
- Cornell University: Agricultural Experiment Station. Bulletin 545: Retail Prices of Fertilizer Materials and Mixed Fertilizers. By E. E. Vial. Pp. 157. Bulletin 551: Economic Studies of Dairy Farming in New York. 10: 141 Farms in the Tully-Homer Area, Crop Year 1926. By E. G. Misner. Pp. 105. Bulletin 553: Studies of Potato Storage. By Ora Smith. Pp. 57. Memoir 145: Relation of Hydrogen-Ion Concentration to the Growth of Onions. By A. L. Wilson. Pp. 59. Memoir 146: The Buffer Capacity of Peat Soils. By B. D. Wilson and M. J. Plice. Pp. 11. (Ithaca, N.Y.)
- U.S. Department of the Interior: Geological Survey. Water-Supply Paper 713: Surface Water Supply of the United States, 1931. Part 3: Ohio River Basin. Pp. ix+346. 20 cents. Water-Supply Paper 716: Surface Water Supply of the United States, 1931. Part 6: Missouri River Basin. Pp. x+347. 20 cents. Water-Supply Paper 722: Surface Water Supply of the United States, 1931. Part 12: North Pacific Slope Drainage Basins. A: Pacific Slope Basins in Washington and Upper Columbia River Basins. Pp. vii+188. 15 cents. Water-Supply Paper 724: Surface Water Supply of the United States, 1931. Part 12: North Pacific Slope Drainage Basins. C: Pacific Slope Basins in Oregon and Lower Columbia River Basin. Pp. vi+166. 15 cents. Water-Supply Paper 725: Surface Water

Supply of Hawaii, July 1, 1930, to June 30, 1931. Pp. iv+99. 10 cents. (Washington, D.C.: Government Printing Office.)

Memoirs of the Faculty of Science and Agriculture, Taihoku Imperial University. Vol. 5, No. 7, Mathematics No. 4: Über Fläche und Kurven (II), von Sōji Matsumura; Beiträge zur Geometrie der Kreise und Kugeln (III), von Sōji Matsumura; Beiträge zur Geometrie der Kreise und Kugeln (IV), von Sōji Matsumura. Pp. 207-285. (Tokyo: Maruzen Co., Ltd.)

Spisy vydávané Přírodovědeckou Fakultou Masarykovy University (Publications de la Faculté des Sciences de l'Université Masaryk). Čís. 159: Ústní orgán, hltan, septální, žlázy a sympatická nervová soustava roupic (Sur la structure de l'organe buccal, du pharynx, des glandes séptales et des nerfs sympathiques chez les Enchytréides). Napsal Dr. Sergěj Hrabě. Pp. 39. Čís. 160: Příspěvek ke studiu cis-trans-isomerie solí typu $MeX_2 \cdot 2A$. (Ein Beitrag zum Studium der Cis-Trans-Isomerie der Salze vom Typus $MeX_2 \cdot 2A$.) Napsali J. V. Dubský a V. Dostál. Pp. 20. Čís. 161: Příspěvek ke studiu acetato-sloučenin kovů alkalických zemin (A Contribution to the Study of Acetato-Compounds of the Alkaline Earth Metals). Napsali J. V. Dubský a J. Trtílek. Pp. 30. Čís. 162: Minerologické zprávy; 1: Beryl ze Spitzkoppje v pohorí Erongo v jz. Africe; 2: Křišťál z Hot Springs v Arkansasu; 3: Ptilolith od Ždárku u Hodkovic v sev. Čechách (Rapports minéralogiques; 1: Le beryl de Spitzkoppje aux montagnes d'Erongo (Afrique Sud-Occidentale); 2: Le quartz de Hot Springs en Arkansas; 3: La ptilolite de Ždarek près de Hodkovic en Bohême-norde.) Napsala B. Bobková. Pp. 20+1 plate. Čís. 163: Trois théorèmes sur la limite des transformations itérées. Par Miroslav Konečný. Pp. 19. Čís. 164: Isanomaly termické kontinentality a thermodynamického kvocientu v Československu (Isanomales de la continentalité thermique et du quotient thermodynamique en Tchécoslovaquie). Napsal B. Hrudíčka. Pp. 19+2 plates. Čís. 165: Recherches sur la courbure des surfaces dans des espaces à n dimensions à courbure constante I. Par O. Borůvka. Pp. 22. Čís. 166: Příspěvky ku mineralogii ČSR (Beiträge zur Mineralogie der ČSR). Napsal Dr. Jaroslav Kotka. Pp. 15. Čís. 167: Dolní Svatka; Studie Paleopotamologická (La Svatka inférieure: Étude paléopotamologique). Napsal Fr. Říkovský. Pp. 28. Čís. 168: O komplexu os rotačních cyklid třetího stupně (Sur le complexe formé par les cycloides du troisième degré). Napsal J. Kabele. Pp. 15. Čís. 169: On the Bodily Difference between Sprinters and Non-Sportsmen (A Study of 100 Students from different Grammar Schools in Brno). By Dr. R. Malafa. Pp. 11. Čís. 170: Generis Trigonella L. revisio critica, VI. Scripsit G. Širjaev. Pp. 37. Čís. 171: Příspěvek k teorii Brownova pohybu (Contribution à la théorie du mouvement Brownien). Napsal Jan Potůček. Pp. 16. Čís. 172: O rozpadu statistických souborů (Sur la désagrégation d'un groupe statistique). Napsal Dr. Otomar Pankrác. Pp. 10. Čís. 173: Příspěvek k petrografii okolí Mor. Budějovic (Ein Beitrag zur Petrographie der Umgebung von Mor. Budějovice). Napsal Lad. Švábenský. Pp. 29. (Brno: A. Piša.)

Spisy Lékařské Fakulty, Masarykovy University (Publications de la Faculté de Médecine). Svazek 12, Spis 115-124. Pp. iii+9+36+22+58+4+4+40+35+9+54. (Brno: A. Piša.) 40 Kč.

Zprávy komise na přírodovědecký výzkum Moravy a Slezska, Oddělení botanické, Čís. 10: "Vodní květ" a plankton na Lednicku v letech 1930 a 1931. Napsal Jindř. Zapletálek. Pp. 22. (Brno: A. Piša.)

Suomen Geodeettisen Laitoksen Julkaisuja: Veröffentlichungen des Finnischen Geodätischen Institutes. No. 18: Beobachtungsergebnisse. 1: Die Winkelmessungen an dem Hauptnetz; 2: Die Grundlinie in Ilmajoki und ihr Vergrößerungsnetz; 3: Astronomische Azimutbestimmungen an den Dreieckspunkten 1926-31; 4: Astronomische Längen und Breitenbestimmungen im Jahre 1931. Pp. iii+240. (Helsinki.)

Bulletin de l'Association des Diplômés de Microbiologie de la Faculté de Pharmacie de Nancy. No. 5, Décembre 1932. Pp. 32. Conférence faite au Laboratoire de Microbiologie de la Faculté de Pharmacie de Nancy. Fascicule 5. Pp. 14. Travaux du Laboratoire de Microbiologie de la Faculté de Pharmacie de Nancy. Fascicule 5, 1932. Pp. 204+7 plates. (Nancy.)

Carnegie Institution of Washington. Catalogue of Publications. Pp. xlii+129. (Washington, D.C.: Carnegie Institution.)

U.S. Department of Commerce: Bureau of Standards. Bureau of Standards Journal of Research. Vol. 10, No. 5, May, Research Papers Nos. 549-560. Pp. 575-704. (Washington, D.C.: Government Printing Office.) 25 cents.

Canada: Department of Mines; Mines Branch. A Method for Rating the Grindability or Pulverizability of Coal, developed by the Fuel Research Laboratories (F.R.L.), Department of Mines, Canada (Correlated with the "Cross" and "Hardgrove" Methods). By C. E. Baltzer and H. P. Hudson. (No. 737-1.) Pp. v+17+1 plate. (Ottawa: J. O. Patenaude.)

CATALOGUES

A Catalogue of Books on Zoology and Geology. (No. 475.) Pp. 160. (London: Bernard Quaritch, Ltd.)

Water Level Alarm and Control "Nofote" System. (List No. 173.) Pp. 2. The Evershed Electrical Water Level Indicator, Automatic "Plumb-Bob" System. (List No. 172.) Pp. 2. (London: Evershed and Vignoles, Ltd.)

Sotheman's Price Current of Literature. No. 837: Catalogue of Second-hand Works on Meteorology, Geology, Mineralogy, etc.; with a Supplement of rare and valuable Works on Mathematics, Astronomy, Physics and Chemistry. Pp. 124. (London: Henry Sotheman, Ltd.)

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