

## FOREIGN.

Skogsforsöksanstaltens Exkursionsledare. 12: Geologie, Jordmän och Vegetation inom Siljanstors Forsökspark i Dalarna. By Karl Lundblad. Pp. 112+3 maps. (Stockholm: Centraltryckeriet.)

Meddelanden från Statens Skogsforsöksanstalt. Hälften 23, 1926-27. Pp. 689+2 plates. (Stockholm: Centraltryckeriet.) 10 kr.

Department of Commerce: Bureau of Standards. Scientific Papers of the Bureau of Standards, No. 558: Further Radiometric Measurements and Temperature Estimates of the Planet Mars, 1926. By W. W. Coblentz and C. O. Lampland. Pp. 236-276. (Washington, D.C.: Government Printing Office.) 15 cents.

Journal of the College of Agriculture. Hokkaido Imperial University, Sapporo, Japan. Vol. 19, Part 1: New Species and Subspecies of Moths from the Japanese Empire. By Prof. Dr. S. Matsumura. Pp. 96+5 plates. Vol. 20, Part 2: Die Hydrolyse des Leders, von Prof. Dr. G. Grasser; Einfluss der Deduktionsmethoden auf die Ausfloekungszahl, von Prof. Dr. G. Grasser und Dr. S. Sawayama. Pp. 49-78. (Sapporo.)

The Science Reports of the Tôhoku Imperial University, Sendai, Japan. Second Series (Geology), Vol. 10, No. 3: On *Bison eximus* Matsumoto and its Ancestry, by Hikoshishirô Matsumoto; On a new Fossil Race of the Asiatic Elephant in Japan, by Hikoshishirô Matsumoto. Pp. 51-62+4 plates. (Tôkyô and Sendai: Maruzen Co. Ltd.)

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 71: Investigations on Raw Cotton; Deterioration of Cotton during Damp Storage. By Alan Chamley Burns. Pp. xiv+92+19 plates. (Cairo: Government Publications Office.) 10 P.T.

Koninklijk Nederlandsch Meteorologisch Instituut. No. 113: Rapport de la Réunion de la Commission Internationale de Météorologie Maritime a Zurich 14-17 Septembre 1926. Pp. 21+1 planche. (s-Gravenhage: Algemeene Landsdrukkerij.) 0.30 fl.

Department of the Interior: Bureau of Education. Bulletin, 1927, No. 14: Physical Education in American Colleges and Universities. By Marie M. Ready. Pp. vi+51. (Washington, D.C.: Government Printing Office.) 10 cents.

Bulletin géodésique: Organe de la Section de Géodésie de l'Union Géodésique et Géophysique Internationale. Année 1925, No. 8, Octobre-novembre-décembre 1925. Pp. 597-722. Année 1926, No. 10, Avril-mai-juin 1926. Pp. 81-154. Année 1926, No. 11, Juillet-août-septembre 1926. Pp. 155-186. (Toulouse: Édouard Privat; Paris: J. Hermann.)

The Metabolism of the Fasting Steer. By Francis G. Benedict and Prof. Ernest G. Ritzman. (Publication No. 377.) Pp. viii+246. (Washington, D.C.: Carnegie Institution.)

Department of the Interior: U.S. Geological Survey. Water-Supply Paper 549: Surface Water Supply of the United States, 1922. Part 9: Colorado River Basin. Pp. v+175+2 plates. 25 cents. Water-Supply Paper 551: Surface Water Supply of the United States, 1922. Part 11: Pacific Slope Basins in California. Pp. viii+405+2 plates. 50 cents. Water-Supply Paper 575: Surface Water Supply of Hawaii, July 1, 1922, to June 30, 1923. Pp. iv+173. 25 cents. (Washington, D.C.: Government Printing Office.)

Department of the Interior: U.S. Geological Survey. Bulletin 789: The Inskin-Chinitna Peninsula and the Snug Harbor District, Alaska, by Fred H. Moffit. Pp. iv+71+11 plates. 50 cents. Bulletin 791: Geology of the Upper Matanuska Valley, Alaska. By Stephen R. Capps. With a Section on the Igneous Rocks, by J. B. Mertie, Jr. Pp. viii+92+16 plates. 30 cents. (Washington, D.C.: Government Printing Office.)

Proceedings of the United States National Museum. Vol. 71, Art. 18: A Revision of the Cottoid Fishes of the Genus *Artodellus*. By Peter Schmidt. (No. 2685.) Pp. 10. (Washington, D.C.: Government Printing Office.)

Field Museum of Natural History. Anthropology Leaflet No. 22: Insect-Musicians and Cricket Champions of China. By Berthold Laufer. Pp. 27+12 plates. (Chicago, Ill.) 50 cents.

Publikationer fra det Danske Meteorologiske Institut. Communications magnétiques. No. 1: Sur l'erreur moyenne des moyennes mensuelles des éléments magnétiques observées à l'Observatoire de Rude Skov, par D. la Cour; No. 2: Direct Determination of Scale Values at the Magnetic Observatory at Godhavn, by Johannes Olsen. Pp. 33+7. (København: G. E. C. Gad.)

Institut de Géophysique et de Météorologie de l'Université de Lwow. Communications, Vol. 2, Nos. 19 à 30, des résultats des recherches de Henryk Aretowski et de ses collaborateurs MM. Henryk Orkisz, Edward Stenz, Stanislaw Zych, Wincenty Przepiórski et Jan Moniak, faites à la Société des Naturalistes Polonais et publiées dans la revue *Koemos*, Vols. 51 et 52. Pp. viii+167+284. (Lwów.)

Société des Nations: League of Nations. Bulletins de l'Institut International de Coopération Intellectuelle: Bulletin des Relations scientifiques. 2<sup>me</sup> année, No. 8, Août. Pp. 309-401. (Paris: Les Presses universitaires de France.) 8 francs.

## CATALOGUE.

Instrumentos de precisión Cambridge para aplicaciones industriales. Catalogo No. 9078. Pp. 40. (London: Cambridge Instrument Co., Ltd.)

## Diary of Societies.

SATURDAY, SEPTEMBER 10.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Eastern District Meeting) (at Town Hall, Lowestoft), at 11 A.M.

TUESDAY, SEPTEMBER 13.

INSTITUTE OF MARINE ENGINEERS (at 85 The Minories, E.1), at 6.30.—Eng.-Capt. W. Onyon: Presidential Address.

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## CONGRESSES.

SEPTEMBER 11-17.

INTERNATIONAL CONGRESS OF PHYSICS IN COMMEMORATION OF THE CENTENARY OF VOLTA (at Como).

SEPTEMBER 11-18.

INTERNATIONAL CONGRESS OF GENETICS (at Berlin). In three sections: General Genetics and Cytology, Heredity in Man and Eugenics, Animal and Plant Breeding.

SEPTEMBER 12-14.

INTERNATIONAL SOCIETY OF LEATHER TRADES' CHEMISTS (Bi-Annual Conference) (at Leathersellers' Hall, St. Helen's Place, E.C.3.)

SEPTEMBER 12-15.

INSTITUTION OF PUBLIC LIGHTING ENGINEERS (Annual Meeting and Conference) (at Brighton).

SEPTEMBER 12-16.

BRITISH MYCOLOGICAL SOCIETY (Annual Meeting) (at Aviemore).

Monday, September 12.—Excursion.

At 8.45 P.M.—Council Meeting: Exhibits.

Tuesday, September 13.—Excursion.

At 8.45 P.M.—Dr. E. J. Butler: Presidential Address.

Wednesday, September 14.—Excursion.

At 8.45 P.M.—Annual General Meeting.

Thursday, September 15.—Excursion.

At 8.45 P.M.—Dr. M. Wilson: Life-History of *Milesina Kriegeriana* and its Occurrence in Britain.—Dr. G. G. Hahn: Species of *Phomopsis* occurring on Conifers and their Distinction in Culture.

Friday, September 16.—Excursion.

At 8.45 P.M.—Miss M. Wilson: The Dutch Elm Disease.—C. Rea: Remarks on Fungi found during the Foray.

SEPTEMBER 12-17.

INTERNATIONAL CONGRESS FOR TESTING MATERIALS (at Amsterdam).

SEPTEMBER 15-17.

ANNUAL CONFERENCE OF WOMEN ENGINEERS (at Shipping, Engineering and Machinery Exhibition).

Thursday, September 15, at 8 P.M.—Presidential Address at Olympia.

Friday, September 16, at 2.45.—Discussion on the Relative Importance of Commercial and Technical Engineering under Present-day Conditions. Commercial Side: Miss E. M. Kennedy; Technical Side: Miss Norah M. Jeans.

Saturday, September 17, at 2.15 (at Crosby Hall).—Miss Iris Cummins: Water Power and the Electrification of the Irish Free State.

SEPTEMBER 18-OCTOBER 3.

INTERNATIONAL CONGRESS OF THEORETICAL AND APPLIED LIMNOLOGY (at Rome). In four sections: Physics and Chemistry, Geology and Hydrography, Biology, and Applied Limnology.

SEPTEMBER 20-22.

IRON AND STEEL INSTITUTE (Autumn Meeting) (at Royal Technical College, Glasgow), at 10 A.M.—Papers to be submitted:—D. F. Campbell: High-Frequency Induction Melting.—H. A. Dickie: Magnetic and other Changes concerned in the Temper-Brittleness of Nickel-Chromium Steels.—Prof. C. A. Edwards and K. Kuwada: The Influence of Cold-Rolling and Subsequent Annealing on the Hardness of Mild Steel.—A. B. Everest, T. H. Turner, and D. Hanson: The Influence of Nickel and Silicon on an Iron-Carbon Alloy.—C. S. Gill: The Effect of Varying Ash in the Coke on Blast-Furnace Working.—D. Hanson: The Constitution of Silicon-Carbon-Iron Alloys, and a New Theory of the Cast Irons.—E. G. Herbert: The Work-Hardening of Steel by Abrasion.—K. Honda and K. Takahasi: On the Quantitative Measurement of the Cutting Power of Cutlery.—E. H. Lewis: The Use of Silica Gel as a Medium for Drying Blast.—T. Matsushita and K. Nagasawa: The Mechanism of Tempering of Steels.—T. W. Robinson: The Economic and Social Development of the American Iron and Steel Industry.—Dr. W. Rosenhain and D. Hanson: The Behaviour of Mild Steel under Prolonged Stress at 300° C.—J. H. Smith and F. V. Warnock: A Testing Machine for Repeated Impact, and a Preliminary Investigation on the Effects of Repeated Impact on Lowmoor Iron.—J. H. Whiteley: The Solution of Carbon in  $\alpha$ -Iron and its Precipitation.—F. Wüst: A Contribution to the Theory of the Blast-Furnace Process.

SEPTEMBER 23-26.

ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX (at Trinity College, Cambridge).—Subjects for discussion: Report of the Public Libraries Committee of the Board of Education (A. E. Twentyman and Lieut.-Col. L. Newcombe); Recent Developments in connexion with the Science Library, South Kensington (Sir Henry Lyons); Information, Organisation, and Statistics in Industry (Major L. Urwick, S. J. Nightingale, H. Quigley, W. Wallace, A. E. Overton, F. W. Tattersall); Patent Classification (A. R. Wright, A. Gomme); Problems of the Information Bureau (A. F. Ridley, P. K. Turner, Dr. J. C. Withers); Photographic Reproduction of Printed and MS. Material (N. Parley, Sir William Schooling, R. H. New); Standards of Book Selection in Science and Technology (Sir Richard Gregory).