

7.67 volts are obtained for the ionisation potential of silver, the mean being 7.46 volts. In view of the inaccuracy introduced by the impossibility of avoiding slight sparking of the fused metal, this result agrees satisfactorily with the value, 7.54 volts, derived from the limits of the spectral series.—Carmela Ruiz: New investigations on barytes from Racalmuto, Sicily. Measurements of two specimens of barytes, occurring together with calcite and sulphur at Racalmuto, gave the axial ratios,  $a:b:c = 0.81558 : 1 : 1.31467$ , and the density  $4.424 \cdot 43$  at  $18^{\circ}-19^{\circ}$ .—Gustavo Cumin: Geological observations on the island of Asinello and on neighbouring rocks (Carnaro). The island of Asinello and the neighbouring rocks are mostly Cretaceous, Eocene measures appearing only on the principal island. Their coast morphology is the result of an aerial erosive action, on to which the marine action has been superposed.—F. Stella Starrabba: Monthly distribution of the eruptions of Japanese volcanoes.—Giulio Cotronei: Dark and light fibres in the insular organ of *Petromyzon marinus*.—B. Monterosso: The structure of the body of *Peroderma cylindricum* Heller, in relation to the cellular theory.

## VIENNA.

Academy of Sciences, May 14.—V. Oberguggenberger: Determination of altitude of the pole at the Innsbruck Observatory with the help of Oppolzer's zenith telescope.—V. Pietschmann: A new deep-sea fish of the order Pediculati.—E. Keller: Curved perspectives.—M. Kohn and A. Zandmann: Communication on bromo-phenols, xxi. Display of new halogen-phenols from *m*-chloro-phenol.

## Official Publications Received.

Department of the Interior: U.S. Geological Survey. Bulletin 781B: Geology of the Baxter Basin Gas Field, Sweetwater County, Wyoming. By Julian D. Sears. (Contributions to Economic Geology, 1925, Part 2.) Pp. ii+13-29+plates 2-6. Water-Supply Paper 542: Surface Water Supply of the United States, 1922. Part 2: South Atlantic Slope and Eastern Gulf of Mexico Basins. Pp. iv+74+2 plates. 10 cents. Water-Supply Paper 546: Surface Water Supply of the United States, 1922. Part 6: Missouri River Basin. Pp. vii+349+2 plates. 35 cents. Water-Supply Paper 552: Surface Water Supply of the United States, 1922. Part 12: North Pacific Slope Drainage Basins. A: Pacific Basins in Washington and Upper Columbia River Basin. Pp. v+203+2 plates. 25 cents. Professional Paper 138: Mining in Colorado: A History of Discovery, Development and Production. By Charles W. Henderson. Pp. iv+263+1 plate. 1 dollar. Professional Paper 140A: Geology of the Latah Formation in relation to the Lavas of the Columbia Plateau near Spokane, Washington, by J. T. Pardee and Kirk Bryan: Flora of the Latah Formation of Spokane, Washington, and Coeur d'Alene, Idaho, by F. H. Knowlton. (Shorter Contributions to General Geology, 1925.) Pp. iv+81+31 plates. Professional Paper 140B: Fossil Proboscidea and Edentata of the San Pedro Valley, Arizona. By James Williams Gidley. (Shorter Contributions to General Geology, 1925.) Pp. ii+83-95+plates 32-44. Professional Paper 140C: Pleistocene Plants from North Carolina. By Edward Wilber Berry. (Shorter Contributions to General Geology, 1925.) Pp. ii+97-119+plates 45-57. Professional Paper 140D: Shore Phases of the Green River formation in Northern Sweetwater County, Wyoming. By Wilmot H. Bradley. (Shorter Contributions to General Geology, 1925.) Pp. ii+121-131+plates 58-62. (Washington, D.C.: Government Printing Office.)

Proceedings of the Academy of Natural Sciences of Philadelphia. Vol. 77, 1925. Pp. iii+388+11 plates. (Philadelphia, Pa.)

Fortieth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1918-1919; with accompanying Papers—The Mythical Origin of the White Buffalo Dance of the Fox Indians, by Truman Michelson; The Autobiography of a Fox Indian Woman, by Truman Michelson; Notes on Fox Mortuary Customs and Beliefs, by Truman Michelson; Notes on the Fox Society known as 'Those who Worship the Little Spotted Buffalo,' by Truman Michelson; The Traditional Origin of the Fox Society known as 'The Singing Around Rite,' by Truman Michelson. Pp. viii+664. (Washington, D.C.: Government Printing Office.) 2.75 dollars.

Journal of the Manchester Egyptian and Oriental Society. No. 12, Pp. 59. (Manchester: University Press; London: Longmans, Green and Co., Ltd.) 7s. 6d. net.

Proceedings of the Imperial Academy. Vol. 2, No. 3, March. Pp. v-vi+93-147. (Ueno Park, Tokyo.)

Report of the Aeronautical Research Institute, Tokyo Imperial University. No. 15: The Resistance of the Airship Models measured in the Wind Tunnels of Japan. By the Wind Tunnel Committee specially appointed by the Aeronautical Council of Japan. Pp. 84. (Tokyo: Maruzen Kabushiki-Kaisha.) 2 yen.

Annual Report of the Zoological Society of Scotland for the year ending 31st March 1926. Pp. 59+6 plates. (Edinburgh.)

Observatoire de Zi-ka-wei. Notes de sismologie, No. 7: Mouvements sismiques des magnétomètres à Zi-ka-wei et à Lu-kia-pang (1877-1924). Principaux sismogrammes, 1925. Par le Rev. P. E. Gherzi. Pp. 33+7 planches. (Zi-ka-wei, Chang-hai.)

Proceedings of the Royal Society of Edinburgh, Session 1925-1926. Vol. 46, Part 2, No. 19: The Wheatstone Bridge as the Means of Measuring Linear and Angular Dimensions at a Distance, and its Application to Borehole Surveying. By Prof. Henry Briggs. Pp. 223-229. 1s. Vol. 46, Part 2, No. 20: On Fertility in the Domestic Fowl. By Dr. F. A. E. Crew. Pp. 230-238. 9d. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)

Empire Cotton Growing Corporation. Report of the Administrative Council of the Corporation to be submitted at the Fourth Annual General Meeting on June 9th, 1926. Pp. 32. (London: Millbank House, Millbank, S.W.1.)

Spisy vydávané Přírodovědeckou Fakultou Masarykovy University (Publications de la Faculté des Sciences de l'Université Masaryk). Cis. 64: Oblastní odtoková mapa Moravy (Carte géographique du débit d'eau relatif de la Moravie). Napsal Dr. Fr. Koláček. Pp. 13+1 tab. Cis. 65: "Tanytarsus connectens." Par Dr. Jan Zavřel. Pp. 47+1 tab. Cis. 66: Morfologický vývoj Hlučinska (The Morphological Development of Hlučín). Napsal Dr. Fr. Vitásek. Pp. 38+1 tab. Cis. 67: Terasy dolní Svitavy a dolní Svatky (Les terrasses de la Svitava inférieure et de la Svatka inférieure). Napsal Fr. Křivský. Pp. 17+3 tab. Cis. 68: O absorpci chlorovodíku a kyslíčnicku siřičitého v kyselině sírové a v kyselině octové [Pokračování] (On the Absorption of Hydrogen Chloride and Sulphur Dioxide in Sulphuric Acid and Acetic Acid [Continuation]). Napsal Václav Čupr. Cis. 69: O *W*-kongruencích s fokálními plochami přímkovými (Sur les congruences *W* dont les surfaces focales sont réglées). Napsal J. Klapka. Pp. 51. (Brno: A. Piša.)

Školek Vysoké školy zemědělské v Brně (Bulletin de l'École supérieure d'Agronomie, Brno). Sign. C1: Oxydimetrické studie o antimonu (Oxydimetric Studies on Antimony). Napsal Prof. Dr. J. Knop. Pp. 22. Sign. C2: O gravimetrickém poměru mezi antimonom a antimontetroxidem (Observations on Gravimetric Proportion between Antimony and Antimony-Tetroxide). Napsal Prof. Dr. J. Knop. Pp. 10. Sign. C3: Implantace volných fragmentů kostních pomocí omenta u psů (Implantation des fragments osseux libres à l'aide de l'omentum chez les chiens). Napsal Prof. Dr. Theodor Dohnal. Pp. 18+5 tab. Sign. C4: Studie o změnách, zvláště analytických konstant tuků máslého, vlivem paprsků ultrafialových (A Study of the Changes, particularly of Analytical Constants of Butter Fat, under the Influence of Ultraviolet Rays). Napsal Dr. Josef Špinko. Pp. 38. Sign. C5: Příspěvek k poznání nutričního významu látek ve vodě rozpustných pro vodní zvířata (A Contribution to the Knowledge of the Nutritive Importance of the Substances dissolved in Water for Water-Animals). Napsal Dr. Jan Podhradský. Pp. 53+3 tab. Sign. C6: Stupňování vzrůstu zvířat vitamínovými preparáty z obilních klíčků (Stimulation de la croissance des animaux par les préparations des vitamines des germes de blé). Napsal Dr. Jaroslav Kříženecký a Dr. Jan Podhradský. Pp. 60+16 tab. Sign. D1: Ruk hladu u Abies Nordmanniana Lk. 1 Část: Varianty jejího (A Year of Hunger at Abies Nordmanniana Lk. 1 Part: The Variants of Spines). Napsal Prof. Dr. Otakar Vodrážka. Pp. 13+1 tab. Sign. D2: Synthesa škrobu u různých rostlin za přítomnosti solí vápenné a sodíku: Fysiologicko-ekologické výzkumy (The Synthesis of Starch in different Plants under Presence of Salts of Calcium and Sodium: Physiologic-ecological Researches). Napsal Prof. Vasil Sergejevič Iljin. Pp. 27. Sign. D3: Nové rody Lycoridů (s bezklídlými samičkami) z lesní půdy (Genres nouveaux des Lycorides (avec des femelles aptères) du sol de forêts). Napsal Antonin Vimmer. Pp. 16+1 tab. (Brně: A. Piša.)

## Diary of Societies.

MONDAY, JULY 5.

ROYAL INSTITUTION, at 5.—General Meeting.

CONFERENCES.

MONDAY, JULY 5.

ROYAL SANITARY INSTITUTE (at Guildhall), at 3.—Right Hon. Neville Chamberlain: Inaugural Address.

TUESDAY, JULY 6.

ROYAL SANITARY INSTITUTE (at Mansion House, Central Hall, and Institution of Civil Engineers), at 10.—Sections A (Sanitary Science and Preventive Medicine), C (School Hygiene). Discussions: Sanitary Authorities; Engineers and Surveyors; Sanitary Inspectors.

WEDNESDAY, JULY 7.

ROYAL SANITARY INSTITUTE (at Caxton Hall, Central Hall, and Guildhall), at 10.—Sections A (Sanitary Science and Preventive Medicine), E (Hygiene of Food), F (Hygiene in Industry). Joint Session with Maternity and Child Welfare Conference. At the Royal Sanitary Institute, at 3.—Prof. C. E. A. Winslow: Appraisal of Health Administration.

THURSDAY, JULY 8.

ROYAL SANITARY INSTITUTE (at Central Hall and Institution of Civil Engineers), at 10.—Sections B (Engineering and Architecture), D (Personal and Domestic Hygiene). Discussions: Port Sanitary Authorities; Veterinary Inspectors.

FRIDAY, JULY 9.

ROYAL SANITARY INSTITUTE (at Central Hall and the Institution of Civil Engineers), at 10.—Section B (Engineering and Architecture). Discussions: Medical Officers of Health; Veterinary Inspectors; Health Visitors.