

**KUTZELNIGG**: Sorption of iodine by fibrous materials (1): vegetable fibres. **ERNST BEUTEL**, **HERBERT HABERLANDT** and **ARTUR KUTZELNIGG**: Coloration of marble in iodine vapour and the nature of the polished layers. When exposed to dry iodine vapour, marble assumes a yellow or reddish-brown coloration, the intensity of which is greatest for sawn surfaces. Polished surfaces also are deeply coloured, but those etched by acid, grinding or sand-blasting are coloured to less extents. It is considered that the polished surface-layers consist of crystallites of colloidal dimensions, their marked sorptive capacity resulting from the accumulation of granule-boundaries. **ARTUR KUTZELNIGG**: (1) Change in certain properties of zinc oxide in consequence of mechanical demands. Subjection of zinc oxide to grinding or pressing produces marked alteration of the colour and luminescence effects. (2) Fluorescence of zinc oxide at the temperature of liquid air. The fluorescent properties of various zinc oxide preparations are greatly enhanced when the oxides are cooled in liquid air. **OTTO BRUNNER** and **FRANZ GROF**: Synthesis of 1-methyl-2-ethyl- and 1-ethyl-2-methylnaphthalenes. **ANDREAS THURNER**: Explanation of the stratigraphic relationships in the mountain region around Murau.

### Forthcoming Events

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

#### Monday, March 19

**BRITISH MUSEUM (NATURAL HISTORY)**, at 11.30.—**Capt. Guy Dollman**: "Animals Recommended for Protection in Africa".\*

**ROYAL GEOGRAPHICAL SOCIETY**, at 8.30.—**Miss Mildred Cable**: "The Bazaars of Tangut and Trade Routes of Dzungaria".

#### Tuesday, March 20

**EUGENICS SOCIETY**, at 5.15 (in the rooms of the Linnean Society, Burlington House, Piccadilly, W.1).—**Prof. R. J. A. Berry**: "Some Modern Views of the Human Mind and its Disorders" (Lantern Demonstration).\*

#### Wednesday, March 21

**ROYAL METEOROLOGICAL SOCIETY**, at 7.30 (in the hall of the Royal Geographical Society).—**J. M. Stagg**: "The British Polar Year Expedition to Fort Rae, Canada, 1932-33".

**ROYAL SOCIETY OF ARTS**, at 8.—**D. S. Richards**: "Wireless Communications with the Mount Everest Expedition, 1933".

**ROYAL ENTOMOLOGICAL SOCIETY OF LONDON**, at 8.—**K. R. S. Morris**: "Entomological Excursions in West Africa". (Film.)  
**K. Mellanby**: "Factors Causing Insect Death".

#### Friday, March 23

**ROYAL ASTRONOMICAL SOCIETY [GEOPHYSICAL MEETING]**, at 4.30.—Discussion on "Oceanic Circulation" to be opened by **D. J. Matthews**.

**INSTITUTION OF PROFESSIONAL CIVIL SERVANTS**, at 5.45 (at the Royal Society of Arts).—**J. M. Stagg**: "The British Polar Year Expedition to Fort Rae, Canada, 1932-33".\*

**ROYAL INSTITUTION**, at 9.—**Lord Rutherford**: "The New Hydrogen".

**INSTITUTION OF NAVAL ARCHITECTS**, March 21-23.—Annual meeting at Royal Society of Arts.

**SOCIETY FOR EXPERIMENTAL BIOLOGY**, March 23-24.—Thirtieth annual conference to be held at Oxford.

### Official Publications Received

#### GREAT BRITAIN AND IRELAND

The Scientific Proceedings of the Royal Dublin Society. Vol. 20 (N.S.), No. 41: The Trees of Ireland, Native and Introduced. By **H. M. Fitzpatrick**. Pp. 597-656. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 3s.

Reports on the Museums of Ceylon, British Malaya, the West Indies, etc. Pp. 58. Directory of Museums in Ceylon, British Malaya, Hong Kong, Sarawak, British North Borneo, Fiji, the West Indies, British Guiana. Pp. 67. (London: Museums Association.) Reports, with Directory, 5s.

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1551 (T. 3377): The Radially Braced Airship Ring. By **Prof. L. Bairstow**. Pp. 28+3 plates. 1s. 6d. net. No. 1559 (T. 3427): Use of Networks to Introduce Turbulence into a Wind Tunnel. By **E. Ower** and **Dr. R. Warden**. Pp. 8+4 plates. 6d. net. No. 1560 (T. 3346, revd.): Heat Transmission through Circular, Square and Rectangular Pipes. By **A. Bailey** and **W. F. Cope**. Pp. 11+8 plates. 9d. net. No. 1561 (T. 3430): Flow near a Wing which Starts Suddenly from Rest and then Stalls. By Aeronautics Laboratory, Cambridge. Pp. 9+8 plates. 1s. net. (London: H.M. Stationery Office.)

Directory of Museums and Art Galleries in Australia and New Zealand. Compiled by **S. F. Markham** and **Dr. H. C. Richards**. Pp. 115. (London: Museums Association.)

Beer. By **H. F. E. Hulton**. (Sixteenth Streatfeild Memorial Lecture, 1933.) Pp. 34. (London: Institute of Chemistry.)

Ministry of Agriculture and Fisheries. Leaflets on Insect Pests of Farm and Garden Crops. (34 Leaflets.) Pp. iv+140+8 plates. (London: H.M. Stationery Office.) 1s. 6d. net.

#### OTHER COUNTRIES

Records of the Indian Museum. Vol. 35, Part 2: Notes on Fishes in the Indian Museum. 20: Loaches of the Genus *Nemachilus* from Baluchistan; 21: On a New Species of *Nemachilus* from Kohat, N.W.F. Province. By **Dr. Sunder Lal Hora**. Pp. 183-191+plate 5. Vol. 35, Part 3: Remarks on Tonnoir's Theory of the Evolution of the Ventral Suckers of Dipterous Larvae. By **Dr. Sunder Lal Hora**. Pp. 283-286. Vol. 35, Part 4: Silurid Fishes of India, Burma and Ceylon. 1: Loach-like Fishes of the Genus *Amblyceps* Blyth. By **Dr. Sunder Lal Hora**. Pp. 607-621. (Calcutta.)

Report of the Aeronautical Research Institute, Tôkyô Imperial University. No. 100: The Lift Acting on a Flat Plate in a Stream bounded by an Infinite Plane Wall. By **Susumu Tomotika**. Pp. 115-156. 30 sen. No. 101: The Lift on a Flat Plate placed in a Stream between Two Parallel Walls and some Allied Problems. By **Susumu Tomotika**. Pp. 157-227. 45 sen. (Tôkyô: Koseikai Publishing House.)

Southern Rhodesia. Meteorological Report for the Year ended 30th June 1933. Pp. 59+1 plate. (Salisbury: Government Printer.)

Southern Rhodesia: Geological Survey. Bulletin No. 26: The Larger Gold Mines of Southern Rhodesia. Compiled by **B. Lightfoot**. Pp. 106. (Salisbury: Geological Survey.) 1s. 3d.

South Australia: Department of Mines. Mining Review for the Half-Year ended June 30th, 1933. (No. 58.) Pp. 62+6 plates. (Adelaide: Government Printer.)

Dominion of Canada. Report of the Department of Mines for the Fiscal Year ending March 31, 1933. (No. 2338.) Pp. iii+43. (Ottawa: King's Printer.) 25 cents.

Canada: Department of Mines: Geological Survey. Economic Geology Series, No. 15: Oil and Gas in Western Canada. By **G. S. Hume**. Second edition. (No. 2128.) Pp. v+359. (Ottawa: King's Printer.) 75 cents.

Canada: Department of Mines: Mines Branch. Investigations of Mineral Resources and the Mining Industry, 1932. (No. 735.) Pp. 31. (Ottawa: King's Printer.)

Canada: Department of Mines: National Museum of Canada. Bulletin No. 71: Annual Report for 1932. Pp. 25. (Ottawa: King's Printer.) 10 cents.

Bulletin of the Department of Indian History and Archeology, No. 1: Some Aspects of the Vâyu Purâna. By **V. R. Ramachandra Dikshitar**. Pp. iii+52. (Madras: The University.) 1 rupee; 2s.

Journal of the Indian Institute of Science. Vol. 16A, Part 10: Extension of Michael's Reaction, Part 3. By **Tejendra Nath Ghosh** and **Prabhulla Chandra Guha**. Pp. 103-112. (Bangalore.) 12 annas.

Allahabad University Studies. Edited by the Vice-Chancellor and the Heads of Departments. Vol. 9, Part 1 (Arts Section.) Pp. iv+205. 7.8 rupees. Vol. 9, Part 2 (Science Section.) Pp. iv+126+3 plates. 7.8 rupees. (Allahabad.)

Ministry of Finance, Egypt: Chemical Department. Report on the Work of the Chemical Department in the Financial Year 1931-1932. Pp. 63. (Cairo: Government Press.) 5 P.T.

Pennsylvania State College: School of Agriculture and Experiment Station. Bulletin 302: The Respiration Calorimeter; a Description of the Construction and Operation of the Respiration Calorimeter for the larger Farm Animals at the Pennsylvania State College. By **Winfred W. Braman**. Pp. 36. (State College, Pa.: Experiment Station.)

Carnegie Institution of Washington. Publication 447: Contributions to Palaeontology; Marine Animals. By **Earl L. Packard**, **Remington Kellogg** and **Ernst Huber**. Pp. iii+136+8 plates. (Washington, D.C.: Carnegie Institution.)

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