

is recorded, resembling *P. advena* Cushman. A new species, *Patellinella annectens*, is described. The new genus, *Annulopatellina*, is founded on the genotype *A. annularis* (Parker and Jones).—F. Chapman and Irene Cressin: Rare foraminifera from deep borings in the Victorian Tertiaries. Six new species and a new variety are described.

Official Publications Received.

BRITISH.

Canada. Department of Mines: Mines Branch. Investigations in Ore Dressing and Metallurgy (Test and Research Laboratories), 1928. (No. 711.) Pp. ii+166. (Ottawa: F. A. Acland.)

The Central Library for Students (from March 1930 onwards, The National Central Library). 14th Annual Report of the Executive Committee, 1929-30. Pp. 50. (London.)

Transactions of the Royal Society of Edinburgh. Vol. 56, Part 3, No. 23: The Feeding Mechanism, Formation of the Tube, and Physiology of Digestion in *Sabella pavonina*. By Dr. E. A. T. Nicol. Pp. 537-598+2 plates. 8s. 6d. Vol. 56, Part 3, No. 25: Metamorphism in relation to Structure in the Scottish Highlands. By Dr. Gertrude Lillian Elles and Dr. Cecil Edgar Tilley. Pp. 621-642+2 plates. 4s. Vol. 56, Part 3, No. 26: Reports of the Jasper Park Lakes Investigations, 1925-26. The Molluscs of Jasper Park. By Alan Mozley. Pp. 647-669+2 plates. 3s. 6d. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)

Jamaica. Annual Report of the Department of Agriculture for the Year ended 31st December 1929. Pp. 36+4 plates. (Jamaica: Government Printing Office, Kingston.)

Report of British Delegates of the Meeting of the International Council for the Exploration of the Sea, held in Copenhagen, June 1930. Pp. 11. (London: Ministry of Agriculture and Fisheries.)

Madras Fisheries Department. Administration Report for the Year 1928-29. By Dr. B. Sundara Raj. (Report No. 1 of 1930, Madras Fisheries Bulletin, No. 24.) Pp. vi+103+6 plates. (Madras: Government Press.) 1.4 rupees.

The Journal of the Institute of Electrical Engineers. Edited by P. F. Rowell. Vol. 68, No. 404, August. Pp. 945-1088+xxviii. (London: E. and F. N. Spon, Ltd.) 10s. 6d.

The Scientific Proceedings of the Royal Dublin Society. Vol. 19 (N.S.), No. 42: Report of the Irish Radium Committee for the Year 1928; including Reports by Dr. Oliver Chance, Andrew Charles, Oswald J. Murphy, Dr. Walter C. Stevenson, C. M. Taylor and Josephine Walsh. Pp. 475-489. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 1s.

Experimental Researches and Reports published by the Department of Glass Technology, the University, Sheffield. Vol. 12, 1929. Pp. iv+220+8 plates. (Sheffield.)

Proceedings of the Cambridge Philosophical Society. Vol. 26, Part 3, July. Pp. 285-428. (Cambridge: At the University Press.) 7s. 6d. net. British Non-Ferrous Metals Research Association. Tenth Annual Report for the Year ending December 31st, 1929. Pp. 57. (Birmingham.)

Research Association of British Motor and Allied Manufacturers. Tenth Annual Report of the Council for the Year ending 31st March 1930. Pp. 7. (London.)

The Institute of Chemistry of Great Britain and Ireland. Register of Fellows, Associates and Students, corrected to 31st May 1930. Pp. 372. (London.)

The Quarterly Journal of the Geological Society. Vol. 86, Part 2, No. 342, July 31st. Pp. xlix-xxlvi+129-330+15 plates. (London: Longmans, Green and Co., Ltd.) 7s. 6d.

FOREIGN.

Report of the Aeronautical Research Institute, Tôkyô Imperial University. No. 62: Acoustical Properties of some Sound Collectors for the Aircraft Sound Locator. By Jûichi Obata and Yabei Yosida. Pp. 231-247+plates 25-27. (Tôkyô: Koseikai Publishing Office.) 0.15 yen.

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 82. New Land Shells from the Solomon Islands. By E. G. Vanatta. Pp. 263-264+1 plate. (Philadelphia.)

The Cleveland Museum of Natural History. Annual Report for the Year 1929. Pp. 89. (Cleveland, Ohio.)

U.S. Department of Commerce: Bureau of Standards. Research Paper No. 191: The Geiger Tube Electron Counter. By L. F. Curtiss. Pp. 115-123. (Washington, D.C.: Government Printing Office.) 5 cents.

The Academy of Natural Sciences of Philadelphia. Special Publication No. 3: Gubb's California Cretaceous and Tertiary Type Lamellibranchs. By Ralph B. Stewart. Pp. 314+17 plates. (Philadelphia.) 3.50 dollars.

Smithsonian Miscellaneous Collections. Vol. 82, No. 8: Four New Racoons from the Keys of Southern Florida. By E. W. Nelson. (Publication 3066.) Pp. ii+12+5 plates. (Washington, D.C.: Smithsonian Institution.)

Bulletin of the National Research Council. No. 76: Handbook of Scientific and Technical Societies and Institutions of the United States and Canada. Second edition. American Section compiled by Clarence J. West and Callie Hull; Canadian Section compiled by National Research Council, Canada. Pp. 362. (Washington, D.C.: National Academy of Sciences.) 3 dollars.

U.S. Department of Commerce: Bureau of Standards. Bureau of Standards Journal of Research. Vol. 5, No. 1, July, R.P. Nos. 183-193. Pp. 211. (Washington, D.C.: Government Printing Office.) 40 cents.

Field Museum of Natural History. Museum Technique Series, No. 3: Restoration of Ancient Bronzes and Cure of Malignant Patina. By Henry W. Nichols. Pp. 51+11 plates. (Chicago.)

Proceedings of the American Philosophical Society. Vol. 69, No. 4. Pp. 117-256. (Philadelphia.)

Smithsonian Institution: United States National Museum. Bulletin 152: The Canceroid Crabs of America of the Families Euryalidae, Portunidae, Atelecyclidae, Cancridae and Xanthidae. By Mary J. Rathbun. Pp. xvi+609+230 plates. 2 dollars. Bulletin 153: Birds collected by the Childs Frick Expedition to Ethiopia and Kenya Colony. By Herbert Friedmann. Pp. xiii+516+12 plates. 1 dollar. (Washington, D.C.: Government Printing Office.)

CATALOGUES.

Acriflavine "B.D." Brand, with references also to Euflavine and Proflavine. Pp. 26. (London: The British Drug Houses, Ltd.)

Laboratory Fittings, including "Technico" Standard Unit Type Benches. (List F, revised August 1930.) Pp. 48. Electrically Heated Laboratory Apparatus. (List No. 231F.) Pp. 24. Small Electric Furnaces for Laboratory and Works. (List No. 75G.) Pp. 20. (London: A. Gallenkamp and Co., Ltd.)

Diary of Societies.

TUESDAY, SEPTEMBER 23.

INSTITUTE OF MARINE ENGINEERS, at 6.—Lt.-Comdr. Sir August B. T. Cayzer, Bart. (Presidential Address).

MONDAY, OCTOBER 6.

IRON AND STEEL INSTITUTE (Additional Autumn Meeting) (at the Cleveland Technical Institute, Middlesbrough), at 7.30 P.M.

CONGRESSES.

SEPTEMBER 13 TO 20.

NEWCOMEN SOCIETY FOR THE STUDY OF THE HISTORY OF ENGINEERING AND TECHNOLOGY (at Liverpool).

SEPTEMBER 15 TO 20.

IRON AND STEEL INSTITUTE (Autumn Meeting) (in Czechoslovakia).

Monday, Sept. 15, at 10 A.M.—A. Kříž: The Heterogeneity of an Ingot made by the Harmet Process.

J. Šárek: What Reasons Compelled the Prague Ironworks to Introduce Thin-Walled Blast-Furnaces.

W. H. Hatfield: Permanence of Dimensions under Stress at Elevated Temperatures.

Tuesday, Sept. 16, at 10 A.M.—O. Quadrat: A Contribution on the Problem of the Analysis of Basic Slags and the Representation of their Composition in a Triangular Diagram.

H. C. Wood: Open-Hearth Furnace Steelworks. A Comparison of British and Continental Installations and Practice.

D. F. Campbell: High-Frequency Steel Furnaces.

L. W. Schuster: The Effect of Contamination by Nitrogen on the Structure of Electric Welds.

SEPTEMBER 19 TO 22.

ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX (at New College, Oxford).

Friday, Sept. 19, at 7.15 P.M.—Dr. H. T. Tizard: Presidential Address.

At 8.30 P.M.—Brig.-Gen. M. Mowat: The Year's Work of the Association.

Saturday, Sept. 20, at 9.45 A.M.—Col. Sir H. G. Lyons, Dr. F. A. Bather, and J. M. Walker: The Dissemination of Information by Exhibition and Display.

Capt. C. W. Hume: Animal Welfare, its Dependence on Accurate Information.

At 11.45 A.M.—Prof. A. F. C. Pollard and Dr. S. C. Bradford: The Inadequacy of the Alphabetical Subject Index.

At 5.30 P.M.—Annual General Meeting.

At 8.30 P.M.—D. A. Bremner: The World Power Conference.

Sunday, Sept. 21, at 9.45 A.M.—C. C. Fagg, G. L. Pepler, and S. K. Ruck: Surveys and Planning, their Relation to Organised Information.

G. F. O'Riordan and B. M. Headicar: The Technique of Information in the Training of Students.

At 11.45 A.M.—T. W. MacAlpine: Suggestions for the Improvement of Scientific Literature.

At 8.30 P.M.—A. Schломann and Dr. Prinzhorn: The Organisation of Information in Germany.

SEPTEMBER 22 TO 24.

CERAMIC SOCIETY (Joint Meeting of the Refractory Materials Section and Building Materials Section) (at the Building Trades Exhibition, Olympia, London), at 2.30 P.M.

SEPTEMBER 22 TO 27.

INTERNATIONAL CONGRESS OF THE HISTORY OF MEDICINE (at Rome).—Subjects for Discussion: How Europe protected herself against Leprosy in the Middle Ages, introduced by Prof. Jeanselme; The Medical and Scientific Relations between Italy and other European Countries during the Scientific Renaissance in the Sixteenth and Seventeenth Centuries, introduced by Prof. K. Sudhoff and Prof. A. Castiglioni; The Necessity of Making the Study of the History of Medicine a Compulsory Subject in all Universities, introduced by Prof. L. Szumoski; also the following papers: The Problem of Medical Histiography, by Prof. Sigerist; van Helmont, by Prof. Ostachowski; Girolamo Cardano and Leonardo da Vinci, by Prof. Bilancioni; Plastic Surgery in Italy and Europe at the Time of the Renaissance, by Dr. G. Sanevero-Roselli; and The Influence of Folk-lore on Medicine, by Dr. D. Mackenzie.

SEPTEMBER 29 TO OCTOBER 1.

FARADAY SOCIETY (at the Laboratory of Physical Chemistry, Free School Lane, Cambridge).—General Discussion on Colloid Science Applied to Biology.