

## ROME

Royal National Academy of the Lincei (*Atti*, 22, 1-91; 1935). G. A. CROCCO: Safety of gliders on encountering an ascending gust. P. ALOISI: Some flint-stones of anagenite-verrucano from Monte Pisano. L. TOSCANO: Permutable operators with the power of a special linear operator (2). L. ERMOLAEF: Surface couples with corresponding asymptotes and having a pair of common conjugate straight lines at homologous points. A. TONOLO: Integration of the differential system of Dirac. R. WOJNAROSKÝ: Kinematics of a solid body in Euclidean space of  $n$  dimensions. N. SPAMPINATO: Extension to the bi-complex field of two theorems of Levi-Civita and of Severi, through the holomorphous functions of two complex variables (1). G. SCORZA DRAGONI: Some theorems relative to a problem of limits through a differential equation of the second order. G. MATTIOLI: Internal forces in turbulent media and general equations of turbulence. D. GRAFFI: Effect of variation of mass on a planetary orbit. N. W. AKIMOFF: The paradox of Dubuat. C. M. MALDURA: Chemical researches on the Orbetello lagoon with regard to the biology (1). A. SPIRITO: Influence of continuous electric current on meristems of roots. G. SCHREIBER: Atypical regeneration of the limbs of *Proteus anguineus*, Laur. M. ROMANO and G. SCHREIBER: Changes of the eye of Anurans during normal and accelerated metamorphosis. V. FAMIANI: Anti-neuritic vitamin ( $B_1$ ) content of germinating grain, and of some varieties of Italian grain. T. DE SANCTIS MONALDI: Experimental human malarial infection from sporozoites.

## VIENNA

Academy of Sciences, February 20. RICHARD SCHUMANN: Report on further investigations of latitude variations. OTTO DISCHENDORFER and AUGUST VERDINO: Condensation of benzoin and thymol (1). Preparation of 2-benzoyl thymol and determination of the constitution of desyl thymol. JOSEF A. PRIEBSCH: Study of the secondary radiation of cosmic rays at 2,300 m. by counters. The number of coincidences recorded at high altitude by three counters arranged in a triangle below a sheet of scattering material varies more with barometric pressure, temperature, and time of day than either the total or the vertical radiation. ELISE HOFMANN: A silicified palm in the Tertiary at Retz (Austria). ERNST MELAN: Theory of statically indeterminate systems made of ideally plastic material. GERHARD HEINRICH: Theoretical and experimental study of the water-jet suction pump. R. JAGITSCH: Reactions in the solid state. E. HAYEK: Crystallisation and dehydration of copper hydroxide. ODOMAR GUGENBERGER: (1) The Trias at Eberstein (Carinthia). Ninety further species have been distinguished in the fauna of the *Cardita*-bearing stratum at Eberstein. Of these, fifty-nine have previously been found in the related Launsdorf deposits, while of the remainder nine are entirely new. (2) Unknown species in the sub-Lias (Buckland zone) of the province of Palermo.

February 27. KARL GIRKMANN: Yielding of tie rods under local loads. F. WESSELY, K. SCHÖNOL and W. ISEMANN: The bitter principle of Columbo wood. HERBERT SCHÖBER: Study of the spectra of the inert gases by means of a short wave generator.

## Forthcoming Events

CHEMICAL SOCIETY, April 16-17.—Anniversary Meeting to be held at Bristol.

April 16, at 4.45.—Presidential Address. Dr. N. V. Sidgwick.

April 17, at 11.30.—Prof. T. S. Moore: Hatzsch Memorial Lecture.

GEOGRAPHICAL ASSOCIATION, April 17-20.—Spring Conference to be held in the University of Sheffield.

BRITISH PSYCHOLOGICAL SOCIETY, April 17-20.—Extraordinary General Meeting to be held in Leeds.

## Official Publications Received

## Great Britain and Ireland

Falmouth Observatory. Report of the Observatory Committee to the Royal Cornwall Polytechnic Society and the Falmouth Town Council. By H. Dent Gardner; with Meteorological Notes and Tables for the Year 1935, also Additional Meteorological Tables for the Lusturm 1931-1935, with Mean Values for 65 Years (1871-1935), by W. Tregoning Hooper. Pp. 17. (Falmouth: Falmouth Observatory.) [193

The Board of Greenkeeping Research. Report for 1935. Pp. 54. (Bingley: St. Ives Research Station.) [203

The Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 31: The Preparation of Alginate Acid and its Constitution. By Vincent C. Barry and Dr. Thomas Dillon. Pp. 235-287. 6d. Vol. 21 (N.S.), No. 32: Derivatives of Alginate Acid, Part 1: The Acetylation of Alginate Acid. By Vincent C. Barry, Dr. Thomas Dillon and Pádraic O'Muineacháin. Pp. 289-296. 6d. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) [233

## Other Countries

Indian Forest Records. New Series, Vol. 1, No. 11: New Indian Curculionidae (Col.). By Sir Guy A. K. Marshall. Pp. 205-232. (Delhi: Manager of Publications.) 1 rupee; 1s. 9d. [163

Education, India. Education in India in 1933-34. Pp. vii+127. (Delhi: Manager of Publications.) 2.2 rupees; 4s. [233

Ministry of Finance, Egypt: Survey of Egypt: Geological Survey. Leaves of Dicotyledons from the Nubian Sandstone of Egypt. By Prof. A. C. Seward. Pp. iii+23+3 plates. (Cairo: Government Press.) [233

Kungl. Svenska Vetenskapsakademiens Handlingar. Serien 3, Band 15, No. 3: Additional Cretaeous Plants from Western Greenland. By A. C. Seward and Verona Conway. Pp. 41+6 plates. (Stockholm: Almqvist and Wiksells Boktryckeri A.-B.) [233

Report of the Aeronautical Research Institute, Tōkyō Imperial University. No. 133: Experimentelle Untersuchungen über Augen-Blendung. Von Yenziro Awadi. Pp. 60. 55 sen. No. 134: On the Directional Properties of Airscrew Sound. By Jūichi Obata, Yabei Yosida and Umezirō Yosida. Pp. 61-79. 35 sen. (Tokyo: Kōgyō Tosho Kabushiki Kaisha.) [233

Indian Forest Records. New Series. Vol. 1, No. 2: Experiments on the Air Seasoning of Softwood Railway Sleepers. By Dr. S. N. Kapur, assisted by Azizul Rehman. Pp. iv+43-75+2 plates. (Delhi: Manager of Publications.) 1.4 rupees; 2s. [233

Smithsonian Institution: United States National Museum. Contributions from the United States National Herbarium, Vol. 26, Part 8: New Species of Pilea from the Andes. By Ellsworth P. Killip. Pp. viii+367-394. (Washington, D.C.: Government Printing Office.) 10 cents. [233

Smithsonian Miscellaneous Collections. Vol. 95, No. 1: Observing the Sun at 19,300 feet Altitude, Mount Aunconquilha, Chile. By C. P. Butler. (Publications 3379.) Pp. ii+4. Vol. 94, No. 17: Growth of a Green Alga in Isolated Wave-Length Regions. By Florence E. Meier. (Publication 3377.) Pp. ii+12+1 plate. (Washington, D.C.: Smithsonian Institution.) [233

U.S. Department of Agriculture. Technical Bulletin No. 486: Cotton Bollweevil Survival and Emergence in Hibernation Cages in Louisiana. By R. C. Gaines. Pp. 28. 5 cents. Technical Bulletin No. 499: The Cannibalistic Habits of the Corn Ear Worm. By George W. Barber. Pp. 19. 5 cents. Technical Bulletin No. 502: The Chemical and Physical Properties of Dry-Land Soils and of their Colloids. By Irvin C. Brown and Horace G. Byers. Pp. 56. 10 cents. (Washington, D.C.: Government Printing Office.) [233

U.S. Department of the Interior: Office of Education. Bulletin, 1935, No. 2: Statistics of Private Elementary and Secondary Schools, 1932-33. (Being Chapter 6 of the Biennial Survey of Education in the United States, 1932-34.) Pp. 71. (Washington, D.C.: Government Printing Office.) 10 cents. [233

## Catalogues

The Wild-Barfield Heat-Treatment Journal. Vol. 1, No. 8, March. Pp. 97-110+iv. (London: Wild-Barfield Electric Furnaces, Ltd.) Radiography and Clinical Photography. Vol. 1, No. 1. Pp. 8. (London: Kodak, Ltd.)

Vitreosil (Pure Fused Quartz or Silica Ware) for use in Chemical and other Laboratories. Pp. 58. (Wallsend-on-Tyne: The Thermal Syndicate, Ltd.)

A Complete List of Chapman and Hall's Scientific and Technical Books. Pp. 158+xxxviii. (London: Chapman and Hall, Ltd.)