

must be satisfied before dealing with the phase of maximum ionisation: he expresses the terms as a function of the variation of temperature and of the variation of magnitude.

ROME

Royal National Academy of the Lincei, Feb. 18. F. ENRIQUES: Elliptical surfaces of zero genus. P. BURGATTI: Displacement of the perihelion in the theory of relativity. G. BRUNI and G. NATTA: Structure of guttapercha, studied by electron rays. By the action of electron rays, crystalline or α -guttapercha is rapidly transformed into the amorphous β -form. The α -variety has rhombic or pseudorhombic structure, with the axial ratios 1:1.176:1.47. On the assumption that unit cell contains four isoprene groups, the calculated density is 0.94, which agrees well with the most recent experimental data. A. ROSENBLATT: Non-linear m -harmonic equations with two independent variables. (1) Green's m -harmonic function in the case of the circle. M. GHERMANESCO: Trigonometric sums of Alaci. R. EINAUDI: Propagation of superficial elastic waves. D. GRAFFI: The eccentricity of the orbit in the problem of two bodies of variable mass. D. C. LEWIS, JR.: Periodic oscillations of a dynamic system. L. SONA: Transloculatory current investing a bilateral lamina. L. SOLAINI: A particular case of the problem of the vertex of a pyramid. A. MISSIROLI and A. CORRADETTI: The possibility of the phenomena of hybridism in malarigenic parasites. G. CIACCIO: Regeneration of the crystalline in examples of various ages of *Salamandra maculosa* and regeneration of the crystalline in transplanted eyes of *Triton cristatus*. G. BRUNELLI and G. BINI: The emigration of a species of *Teuthis* from the Red Sea to the Ægean Sea.

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 Falmouth Observatory. Report of the Joint Observatory Committee to the Royal Cornwall Polytechnic Society and to the Falmouth Town Council for the Year 1933. Pp. 3. Meteorological Notes and Tables for the Year 1933, also Additional Meteorological Tables of Temperature, Rainfall and of Sunshine, 1890-1933, and Miscellaneous Phenomena during 1933. Pp. 11. (Falmouth.)
 University of Bristol. The Annual Report of the Agricultural and Horticultural Research Station (The National Fruit and Cider Institute), Long Ashton, Bristol, 1933. Pp. 214+7 plates. (Bristol.)
 The Scientific Proceedings of the Royal Dublin Society. Vol. 21 (N.S.), No. 7: Report of the Irish Radium Committee for the Year 1933; including Reports by Oliver Chance, Dr. W. G. Harvey, W. J. MacHugh and Oswald J. Murphy. Pp. 59-66. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 6d.
 Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1576 (Spin. 107, 138): Spinning of Pterodactyl Mark IV. Part 1, by A. V. Stephens and J. Cohen; Part 2, by A. V. Stephens. Pp. 10+2 plates. (London: H.M. Stationery Office.) 9d. net.
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