

but reasons are given to show that negative results must not be taken as proving absence of structure.—**J. Amar**: The psychograph and its applications. Description and photograph of an apparatus for graphically recording reaction times.—**F. Maignon**: Researches on the toxicity of egg-albumin. The influence of the season on the sensibility of the organism to nitrogenous intoxication. A diet of white of egg alone is incapable of supporting life or maintaining weight in the white rat. The rats on this diet die rapidly in May and October of an acute intoxication of the central nervous system, whilst they die slowly by starvation in August and January.—**M. Lécaillon**: The action of the venomous bites of *Ammophila hirsuta* on the caterpillars of *Agrotis ripae*.

June 10.—**M. P. Painlevé** in the chair.—**G. Humbert**: The representation of an integer by indefinite, ternary quadratic forms.—**J. Boussinesq**: The graphical integration of the problem of sandy flow in the case of a *terre-plein* with free undulating surface maintained in front by a curved wall.—**E. Ariès**: Saturated vapour-pressures of pentatomic bodies. The only conclusion which can be drawn from the existing experimental data is that stannic chloride, methyl fluoride, and chloroform in a state of purity ought to have saturated vapour-pressures which satisfy the law of corresponding states.—**J. Pérès**: Certain functional transformations.—**M. de Pulligny**: The approximate quadrature of the circle.—**H. Bourget**: The intrinsic brightness of the starry sky.—**Sir F. W. Dyson**, **MM. Luizet, Moye**, and **C. Sola**: Telegrams announcing the appearance of Nova Aquilæ.—**M. Brillouin**: Biaxial media.—**P. L. Mercanton**: The magnetic state of some prehistoric pottery. The examination of five further examples confirms the results given in an earlier note that the terrestrial magnetic inclination in the bronze in Switzerland was nearly zero.—**M. François**: A new method for the determination of mercury with zinc.—**J. Martinet**: The isatic acids. Details are given of the preparation of 5-methylisatic acid, 5:7-dimethylisatic acid, and α -naphthisatic acid. These acids dissolve immediately to a yellow solution in alkalis without passing through the intermediate violet colour of the corresponding isatins.—**J. Bougault**: The amide function. The author's work on the acylsemicarbazides and the acylhydroxamides leads him to the conclusion that the acid amides are normally of the constitution R,C(OH),NH instead of the usually accepted R.CO.NH₂.—**A. Guillaumond**: Metachromatin and the phenolic compounds of the plant-cell.—**C. Janet**: *Botrydium granulatum*.—**H. Bierry** and **P. Portier**: Vitamines and symbiotes. The bacteria isolated from the tissues of normal animals (symbiotes), like the vitamines, are abundant in the teguments of seeds and in many animal fats, and their temperature of destruction, about 120° C., is also near the temperature of the alteration of vitamines, and it is suggested that there is a relation between the symbiotes and the vitamines. Preliminary experiments showed that symbiotes are perfectly tolerated when introduced into vertebrates. Animals (rats, pigeons) fed on a diet deprived of vitamines were reduced to the pathological state described by various workers. The injection of cultures of living symbiotes under the skin or in the peritoneum produced a rapid recovery in twenty-four to forty-eight hours. These results were repeated and confirmed by experiments lasting several months.—**Y. Delage**: Remarks on the preceding paper. Attention is directed to the fact that the animals in the pathological state described still contain symbiotes in their tissues, and it is difficult to see how the introduction of more of the same bacteria could be responsible for the effects observed.—**Mlle. Marie Goldsmith**: Sensorial perceptions in *Eupagurus Bernhardus*.

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BOOKS RECEIVED.

- Forestry Work. By W. H. Whellens. Pp. 236. (London: T. Fisher Unwin, Ltd.) 8s. 6d. net.
Chemistry for Beginners and School Use. By C. T. Kingzett. Third edition. Pp. 51-211. (London: Baillière, Tindall, and Cox.) 2s. 6d. net.
A Primer of Engineering Science. By E. S. Andrews. Part ii. First Steps in Heat and Heat Engines. Pp. ix+67. (London: Selwyn and Co.)

DIARY OF SOCIETIES.

THURSDAY, JUNE 27.

ROYAL SOCIETY, at 4.30.—Periodic Irrrotational Waves of Finite Height: Prof. T. H. Havelock.—The Diffraction of Electric Waves by the Earth: Dr. G. N. Watson.—Sounds Produced by Drops Falling on Water: A Mallock.—Concerning Emotive Phenomena. II.: Periodic Variations of Conductance of the Palm of the Human Hand: Dr. A. D. Waller.—The Mechanism and Control of Fibrillation in the Mammalian Heart: Prof. J. A. MacWilliam.—The Development of the Sea Anemones, *Actinoloba dianthus* and *Adamsia palliata*: Dr. J. F. Gemmill.—The Occurrence of Multinucleate Cells in Vegetative Tissues: R. Beer and Agnes Arber.—The Epithelial Sheath of Herwig in the Teeth of Man, with Notes on the Follicle and Nasmyth's Membrane: Dr. J. H. Mummery.—And other Papers.

FRIDAY, JUNE 28.

PHYSICAL SOCIETY, at 5.—A New Method of Measuring Alternating Currents and Electric Oscillations: I. Williams.—Demonstration of Coupled Vibrations: Prof. E. H. Barton and Miss H. M. Browning.

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