

and on the structure of the oxide of cyclohexene.—**R. Weil**: The influence of impurities on the temperature of the paramorphic transformation of cristobalite.—**L. Petitjean**: The thermodynamics of the surfaces of atmospheric discontinuity.—**Marcel Lefèvre**: A variation of tabulation in certain fresh-water species of *Peridinium*.—**Pierre Georgévitch**: *Ceratostomella Querci*.—**Raymond-Hamet**: The action of ergotamine on the respiration.—**Raoul Bayeux**: The transmission of erythroclasia, produced by change of altitude, by the serum of animals which have lived in a rarefied atmosphere.

## SYDNEY.

**Linnean Society of New South Wales, September 29.**—**A. J. Turner**: Revision of Australian Lepidoptera: Drepanidae, Limacodidae, Zygaenidae. Nine genera and twenty species are described as new. Keys are given for the identification of the genera in each of the three families, and for the species of many of the genera.—**H. J. Carter**: Revision of *Athemistus* and *Microtragus* (Cerambycidae) with notes, and descriptions of other Australian Coleoptera.—**T. C. Roughley**: An investigation of the cause of an oyster mortality on the George's River, New South Wales, 1924-5. During the winters of the past eight or nine years there have been mortalities of oysters of varying intensity on the shores of the George's River and other rivers on the southern half of New South Wales. Where the mortality was greatest large numbers of the oysters remaining alive were affected with abscesses and ulcerations, commonest on the palps, gills, and inner surfaces of the mantles, but also found in the stomach, liver, gonad, and adductor muscle. A fairly definite ratio of this affection to the severity of the mortality was found, and the appearance of microscopic sections suggests a bacterial origin. The theory is advanced that the low winter temperatures lower the vitality and therefore the resistance of the oysters and induce infection by bacteria in the water.

## VIENNA.

**Academy of Sciences, October 14.**—**A. Dadiou**: The electromotive behaviour of aluminium. The potential was measured of aluminium and aluminium amalgam in molten aluminium bromide plus potassium bromide and in the solution aluminium bromide, ethyl bromide. The oxide skin theory is preferred.—**A. Rollett**:  $\beta$ -amyryn from elemi resin from Manila.—**A. Rollett** and **L. Bayer**: The constitution of furoperylene.—**O. Dischendorfer** and **H. Grillmayer**: Betulin.—**K. Przibram**: An artificial blue colouration of rock salt at room temperature. Kahlbaum's pure sodium chloride or rock salt from Wieliczka was crushed to powder and then exposed to weak daylight for some days. Reference is made to former experiments with radium radiation.—**K. Singer**: Physiological and pathological chemistry of the brain (I.). The nitrogen and sugar apportionment in the brain of the horse. Total amino nitrogen was determined, also cholin nitrogen, galactosid nitrogen and residual nitrogen.—**N. Alders**, **H. Chiari**, and **D. Laszlo**: The glycolytic power of cell-free extracts from tumours and other tissues.—**R. Weiss** and **K. Woidich**: The condensation of ethoxymethylene- $\beta$ -ketoneacidester with resacetophenone and its relation to xanthophanic acid.—**J. Pollak** and **E. Gebauer-Fülnegg**: The action of chlorosulphonic acid on phenols.—**M. Holly**: (1) New fish forms from the Sanaga River, Cameroons.—(2) Two new silurids and a new characinid from the Cameroons.—**L. Lämmermayr**: New contributions to serpentine flora with special relation to Styria.

## Official Publications Received.

## BRITISH AND COLONIAL.

London County Council. Annual Report of the Council, 1925. Vol. 4: Education. Elementary Education; Children's Care; Special Schools, Industrial and Reformatory Schools and Places of Detention; Accommodation and Attendance in Elementary Schools, and Employment of Children; Higher Education; Technical, Trade and Evening Education, Day Continuation Schools, and Juvenile Employment Centres; General. (No. 2471.) (Published by the London County Council.) Pp. 40+8 plates. (London: P. S. King and Son, Ltd.) 1s.

Society for the Provision of Birth Control Clinics. Annual Report, 1925-1926. Pp. 16. (London: Walworth Women's Welfare Centre.)

Department of Agriculture, Jamaica. Entomological Bulletin No. 4, Parts 1 and 2: Catalogus Insectorum Jamaicaensis. By C. C. Gowday. Pp. ii+114+10+2. (Jamaica: Government Printing Office, Kingston.) 2s.

Union of South Africa: Department of Agriculture. Division of Chemistry Series No. 68: The Solubility of Copper in Basic Copper Carbonate. By Thos. D. Hall. Pp. 8. (Pretoria: Government Printing and Stationery Office.)

Transactions and Proceedings of the Botanical Society of Edinburgh. Vol. 29, Part 3, Session 1925-26. Pp. xvii-xxiv+219-310. (Edinburgh.) 7s. 6d.

The Journal of the Institution of Electrical Engineers. Vol. 64, No. 859, November. Pp. 1093-1212+xxx. (London: E. and F. N. Spon, Ltd.) 10s. 6d.

## Diary of Societies.

## SATURDAY, DECEMBER 4.

ROYAL SOCIETY OF MEDICINE (Obology Section), at 10.30 A.M.—**G. Wilkin-**son: Have we a Resonance Theory of Hearing, or only a Resonance Hypothesis?—**Sir James Dundas-Grant**: Remarks on the Use of Weber-Liel's Intra-tympanic Tube in Chronic Eustachian Catarrh.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (South Midland District) (at Shire Hall, Hertford), at 10.45 A.M.—**S. M. Senior**: Hertford Sewage Disposal Works and Housing.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—**Dr. G. C. Simpson**: Atmospheric Electricity (2).

## MONDAY, DECEMBER 6.

CAMBRIDGE PHILOSOPHICAL SOCIETY (at the Museums, Cambridge), at 4.30.

ROYAL SOCIETY OF EDINBURGH, at 4.30.—**Dr. A. G. Cannon** and **Miss S. M. Manton**: On the Feeding Mechanism of a Mysid Crustacean, *Hemimysis Lambrus*.—**J. H. Awbery** and **Dr. E. Griffiths**: Further Experiments with the Ewing Ball and Tube Flowmeter.—**E. A. Baker**: The Law of Blackening of the Photographic Plate at Low Densities (second paper). IV. Results for Isochromatic and Blue-Sensitive Plates and Filtered Light.—**Dr. F. Walker**: The Igneous Geology of Ardsall Hill.

VICTORIA INSTITUTE (at Central Hall, Westminster), at 4.30.—**Prof. J. A. Fleming**: Evolution and Revelation.

BIOCHEMICAL SOCIETY (at Imperial College of Science), at 5.—**D. Krestin** and **J. B. Marrack**: The Calcium in Body Fluids in Nephritis.—**D. J. Lloyd**: The Mutual Influence of pH and Salt Concentration on Protein Swelling.—**C. R. Harrington** and **Prof. G. Barger**: Chemistry of Thyroxin. III. Constitution and Synthesis of Thyroxin.—**H. W. Buston** and **Dr. S. B. Schryver**: The Basic Hydrolysis Products of Gelatine.—**Prof. I. M. Heilbron**, **E. D. Kamm**, and **R. A. Morton**: Absorption Spectra of Cholesterol and its Possible Biological Significance with reference to Vitamin D.—**O. Rosenheim** and **T. A. Webster**: Further Observations on the Photochemical Formation of Vitamin D.—**Demonstration of Methods Employed for Purifying and Investigating the Proteins** (Electro-dialysis, etc.).

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—General Meeting.

BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College), at 5.30.—Annual General Meeting at 5.45.—at 6.—**M. M. Lewis**: Personality and Verbal Expression.

SOCIETY OF CHEMICAL INDUSTRY (South Wales Section) (jointly with Institution of Mechanical Engineers) (at Engineers' Institute, Cardiff), at 6.—**Dr. J. H. Paul**: Water, and its Action in Steam Boilers.

INSTITUTION OF AUTOMOBILE ENGINEERS (Bristol Centre) (at Merchant Venturers' Technical College, Bristol), at 6.45.—**G. Rushton**: The L.G.O.C. Methods of Repairing Motor Buses.

INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—**Ll. B. Atkinson** and others: Discussion on Notes on the Tread of Electrical Development in America and Canada.

SOCIETY OF CHEMICAL INDUSTRY (London Section) (at Chemical Society), at 8.—**Dr. R. H. Pickard**: Some Scientific Problems confronting the Leather Industry.

INSTITUTION OF THE RUBBER INDUSTRY (London and District Section) (at Engineers' Club, Coventry Street), at 8.—**A. Fraser**: British and American Machine Practice.

ROYAL GEOGRAPHICAL SOCIETY (at Eolian Hall), at 8.30.—**Earl Cawdor**: The People of the Tsangpo Gorge.

INSTITUTE OF CHEMISTRY (Leeds Area Local Section).—**F. Scholefield**: Registration of Chemists.

INSTITUTE OF CHEMISTRY (Manchester and District Section) (at Manchester).—**Dr. H. Levinstein**: Address.

## TUESDAY, DECEMBER 7.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—**Sir William Bragg**: The Imperfect Crystallisation of Common Things (3).

INSTITUTION OF ELECTRICAL ENGINEERS (East Midland Sub-Centre) (at Loughborough College), at 6.45.—**Col. J. F. Lister**: Address.

INSTITUTION OF AUTOMOBILE ENGINEERS (at Royal Society of Arts), at 7.—**Prof. W. Morgan**: The Use of the Optical Indicator as a Means of Examining Combustion in Internal Combustion Engines.