

INDEX TO VOL. CVIII. (B)

- Adler (S.) and Theodor (O.) Investigations on Mediterranean Kala Azar, I-V, 447.
- Alpha-quinoline methiodide (Cohen and others), 130.
- Amphibian colour change, endocrine co-ordination (Hogben and Slome), 10.
- Angus (T. C.), Askew (F. A.), Bourdillon (R. B.), Bruce (H. M.), Callow (R. K.), Fischmann (C.), Philpot (J. St. L.) and Webster (T. A.) A Crystalline Antirachitic Substance, 340.
- Askew (F. A.) See Angus and others.
- Attwood (A. P.) See Gray and others.
- Bainbridge (H. W.) See Gray and others.
- Barker (J.) See Hanes and Barker.
- Bourdillon (R. B.) See Angus and others.
- Brains in cyprinoids, comparative study (Evans), 233.
- Briggs (G. E.) and Petrie (A. H. K.) Respiration as a Factor in the Ionic Equilibria between Plant Tissues and External Solutions, 317.
- Browning (C. H.), Cohen (J. B.), Ellingworth (S.) and Gulbransen (R.) The Antiseptic and Trypanocidal Action of certain Styryl and Anil Benzthiazole Derivatives, 119.
- Bruce (H. M.) See Angus and others.
- Callow (R. K.) See Angus and others.
- Carleton (H. M.) Studies on Epithelial Phagocytosis, I, 1.
- Cattell (McK.), Feng (T. P.), Hartree (W.), Hill (A. V.) and Parkinson (J. L.) Recovery Heat in Muscular Contraction without Lactic Acid Formation, 279.
- Cohen (J. B.), Cooper (K. E.) and Marshall (P. G.) Some Aliphatic and Aromatic Amino Derivatives of α -Quinoline Methiodide, 130.
- Cohen (J. B.) See also Browning and others.
- Colorimetric properties of the spectrum (Guild), 576.
- Combination curves (Prideaux), 224.
- Cooper (K. E.) See Cohen and others.
- Corneal grafts, return of sensitiveness (Thomas), 301.
- Crystalline antirachitic substance (Angus and others), 340.
- Cutler (D. W.) and Mukerji (B. K.) Nitrite Formation by Soil Bacteria, other than *Nitrosomonas*, 384.
- Cyanide, physiological action (Hanes and Barker), 95.
- Cyprinoids, comparative study of brains (Evans), 233.
- Dentine, peripheral injury (Fish), 196.
- Dental pulp, reaction to peripheral injury of dentine (Fish), 196.
- Dickinson (S.) Experiments on the Physiology and Genetics of the Smut Fungi. Cultural Characters, II, 395.
- Ellingworth (S.) See Browning and others.
- Endocrine co-ordination in amphibian colour change (Hogben and Slome), 10.
- Enzyme action, molecular statistics (Haldane), 559.

- Ergosterol, irradiated, chemistry (Windaus), 568.
- Erythema produced by ultra-violet radiation (Waller), 258, 264.
- Evans (H. M.) A Comparative Study of the Brains in British Cyprinoids in Relation to their Habits of Feeding, with special reference to the Anatomy of the Medulla Oblongata, 233.
- Feng (T. P.) The Heat-tension Ratio in Prolonged Tetanic Contractions, 522.
- Feng (T. P.) See also Cattell and others.
- Fischmann (C.) See Angus and others.
- Fish (E. W.) The Reaction of the Dental Pulp to Peripheral Injury of the Dentine, 196.
- Fox (H. M.) and Ramage (H.) A Spectrographic Analysis of Animal Tissues, 157.
- Graham (A.) On the Optimum Hydrogen Ion Concentration and Temperature of the Style Enzyme of *Pecten maximus*, 84.
- Gray (W. H.), Trevan (J. W.), Bainbridge (H. W.) and Attwood (A. P.) The Ureides of *p*-Aminophenylstibinic Acid, 54.
- Growth and inhibition, experiments (Snow), 209, 305.
- Guild (J.) The Colorimetric Properties of the Spectrum (Abstract), 576.
- Gulbransen (R.) See Browning and others.
- Haldane (J. B. S.) The Molecular Statistics of an Enzyme Action, 559.
- Hamster, Chinese, oestrous cycle (Parkes), 138.
- Hanes (C. S.) and Barker (J.) The Physiological Action of Cyanide, I, 95.
- Hartree (W.) See Cattell and others.
- Hill (A. V.) and Parkinson (J. L.) Heat and Osmotic Change in Muscular Contraction without Lactic Acid Formation, 148.
- Hill (A. V.) See also Cattell and others.
- Hindle (E.) The Development of Various Strains of *Leishmania* in Chinese Sandflies, 366.
- Hogben (L.) and Slome (D.) The Pigmentary Effector System, VI, 10.
- Hydrogen ion concentration of style enzyme of *Pecten maximus* (Graham), 84.
- Kala Azar, Mediterranean investigations (Adler and Theodor), 447.
- Keeble (Sir Frederick), Nelson (M. G.) and Snow (R.) The Integration of Plant Behaviour, III, IV, 360, 537.
- Kreps (E.) The Breakdown and Resynthesis of Phosphagen in Frozen and Thawed Muscles, 545.
- Lea (C. H.) The Effect of Light on the Oxidation of Fats, 175.
- Leishmania*, development in Chinese sandflies (Hindle), 366.
- Ludford (R. J.) The Vital Staining of Normal and Malignant Cells, IV, 270.
- Marshall (P. G.) See Cohen and others.
- Moffett (A. A.) The Chromosome Constitution of the Pomoidea, 423.
- Moppett (W.) The Reaction of Living Tissues to Homogeneous X-Radiation Produced by Crystal Diffraction, 503.
- Mukerji (B. K.) See Cutler and Mukerji.
- Muscles, frozen and thawed, breakdown and resynthesis of phosphagen (Kreps), 545.
- Muscles, oxygen uptake of frozen and thawed (Smith), 553.
- Muscular contraction without Lactic Acid (Hill and others), 148, 279.

Nelson (M. G.) See Keeble and others.

Nitrite formation by soil bacteria (Cutler and Mukerji), 384.

Obituary notice :—Wood (T. B.), i.

Oxidation of fats, effect of light (Lea), 175.

Parkes (A. S.) The Reproductive Processes of Certain Mammals, I, 138.

Parkinson (J. L.) See Cattell and others.

Parkinson (J. L.) See also Hill and Parkinson.

Pecten maximus, hydrogen ion concentration (Graham), 84.

Petrie (A. H. K.) See Briggs and Petrie.

Phagocytosis, epithelial (Carleton), 1.

Phelps (H. J.) The Adsorption of Substances by Fuller's Earth (Abstract), 174.

Philpot (J. St. L.) See Angus and others.

Phosphagen, breakdown and resynthesis (Kreps), 545.

Plant behaviour, integration (Keeble and others), 360, 537.

Pomoideæ, chromosome constitution (Moffett), 423.

Potential difference of unfertilised egg of trout (Pumphrey), 511.

Prideaux (E. B. R.) The Combination Curves, Hydrogen Ion Regulating Power and
Dissociation Constants of Gelatin, 224.

Pumphrey (R. J.) The Potential Difference Across the Surface Bounding the Unfertilised
Egg of the Brown Trout, 511.

Radium, delayed lethal effect on tissue cultures (Spear), 190.

Ramage (H.) See Fox and Ramage.

Reproductive processes of certain mammals (Parkes), 138.

Respiration as factor in Ionic equilibria (Briggs and Petrie), 317.

Slome (D.) See Hogben and Slome.

Smith (E. C.) The Oxygen Uptake of Frozen and Thawed Muscles, 553.

Smut fungi, cultural characters (Dickinson), 395.

Snow (R.) Experiments on Growth and Inhibition, I, II, 209, 305.

Snow (R.) See Keeble and others.

Speakman (J. B.) The Micelle Structure of the Wool Fibre (Abstract), 446.

Spear (F. G.) The Delayed Lethal Effect of Radium on Tissue Cultures in vitro—Com-
parison of Continuous and Spaced Radiation, 190.

Spectrographic analysis of animal tissues (Fox and Ramage), 157.

Staining of normal and malignant cells (Ludford), 270.

Styryl benzthiazole derivatives (Browning and others), 119.

Sweating and sweat, further investigation (Whitehouse), 326.

Tetanic contractions, heat-tension ratio (Feng), 522.

Theodor (O.) See Adler and Theodor.

Thomas (J. W. T.) On the Return of Sensitiveness in Corneal Grafts in Rabbits, 301.

Trevan (J. W.) See Gray and others.

Ureides of *p*-Aminophenylstibinic Acid (Gray and others), 54.

- Waller (M. D.) The Measurement of Actinic Erythema Produced by Ultra-Violet Radiation with Special Reference to the Latent Time, 258 ; The Relation between Energy Doses of Ultra-Violet Radiation and Actinic Erythema Produced, 264.
- Webster (T. A.) See Angus and others.
- Whitehouse (A. G. R.) Further Investigation of Sweating and Sweat, 326.
- Windaus (A.) The Chemistry of Irradiated Ergosterol, 568.
- Wood (T. B.) Obituary, i.
- X-radiation, reaction of living tissues (Moppett), 503.

END OF THE ONE HUNDRED AND EIGHTH VOLUME (SERIES B).

12115