

INDEX TO VOL. XCIV. (B)

- Absorption bands, wave-length measurement of (Hartridge), 335.
- Allison (T. D.) See Fleming and Allison.
- Anrep (G. V.) The Irradiation of Conditioned Reflexes, 404.
- Armstrong (H. E.) Studies on Enzyme Action. XXIII.—Homo- and Hetero-lytic Enzymes, 132.
- Arterial elasticity, variation with blood pressure (Bramwell and others), 450.
- Assimilation and respiration, vegetable (Briggs), 12, 20.
- Axolotls, effect of pituitary injection upon (Hogben), 204.
- Azuma (R.) See Jinnaka (S.)
- Bacteriolytic element in tissues and secretions (Fleming and Allison), 142.
- Bedale (E. M.) Energy Expenditure and Food Requirements of Children at School, 368.
- Blood, oxygen-dissociation curve of (Brown and Hill), 297.
- Blood pressure and arterial elasticity (Bramwell and others), 450.
- Bramwell (J. C.) An Abnormal Relationship of the Electrical to the Mechanical Response in the Ventricles, 98.
- Bramwell (J. C.), McDowall (R. J. S.), and McSwiney (B. A.) The Variation of Arterial Elasticity with Blood Pressure in Man (Part I), 450.
- Briggs (G. E.) Experimental Researches on Vegetable Assimilation and Respiration. XV.—Development of Photosynthetic Activity during Germination of Different Types of Seeds, 12; XVI.—Characteristics of Subnormal Photosynthetic Activity resulting from Deficiency of Nutrient Salts, 20.
- Brown (W. E. L.) and Hill (A. V.) The Oxygen-Dissociation Curve of Blood and its Thermo-Dynamical Basis, 297.
- Cannon (H. G.) On the Metabolic Gradient of the Frog's Egg, 232.
- Capstick (J. W.) and Wood (T. B.) The Progress of Metabolism after Food in Swine, 35.
- Cells, changes in living, during growth and division (Strangeways), 137.
- Chapman (T. A.) Obituary notice of, xxx.
- Children, energy expenditure and food requirements (Bedale), 368.
- Colloidal behaviour, theory of (Hill), 455.
- Croonian Lecture (Morgan), 162.
- Dixon (M.) and Tunnicliffe (H. E.) The Oxidation of Reduced Glutathione and other Sulphydryl Compounds, 266.
- Donnan equilibrium, potential difference in (Hill), 455.
- Duke (H. L.) An Inquiry into an Outbreak of Human Trypanosomiasis in a *Glossina morsitans* Belt to the East of Mwanza, Tanganyika Territory, 250.
- Electric current as a stimulus (Jinnaka and Azuma), 49.
- Enzyme action (Armstrong), 132.
- Erythrocytes, diameter of, during hæmolysis (Ponder), 102.
- Fleming (A.) and Allison (V. D.) Further Observations on a Bacteriolytic Element found in Tissues and Secretions, 142.
- Food requirements and energy expenditure of children (Bedale), 368.
- Franklin (K. J.) See Gunn and Franklin.

- Glutathione, oxidation of reduced, and other sulphydryl compounds (Dixon and Tunnicliffe), 266.
- Golla (F.) and Hettwer (J.) The Influence of Various Conditions on the Time-relations of Tendon Reflexes in the Human Subject, 92.
- Gowland (W.) Obituary notice of, xl.
- Gunn (J. A.) and Franklin (K. J.) The Sympathetic Innervation of the Vagina, 197.
- Hæmoglobin, displacement of oxygen by carbon monoxide from combination with (Hartridge and Roughton), 336.
- Harris (L. J.) On the Existence of an Unidentified Sulphur Grouping in the Protein Molecule. Part I.—On the Denaturation of Proteins, 426. Part II.—On the Estimation of Cystine in certain Proteins, 441.
- Hartridge (H.) The Coincidence Method for the Wave-length Measurement of Absorption Bands, 335.
- Hartridge (H.) and Roughton (F. J. W.) The Velocity with which Carbon Monoxide displaces Oxygen from Combination with Hæmoglobin.—Part I, 336.
- Heredity, mechanism of (Morgan), 162.
- Hettwer (J.) See Golla and Hettwer.
- Hill (A. V.) Potential Difference in Donnan Equilibrium and Theory of Colloidal Behaviour, 455.
- Hill (A. V.) See Brown and Hill.
- Hogben (L.) Studies on Internal Secretion.—I. The Effect of Pituitary (Anterior Lobe) Injection upon Normal and Thyroidectomised Axolotls, 204.
- Hogben (L. T.) and Winton (F. R.) The Pigmentary Effector System.—II, 151.
- Holker (J.) Periodic Opacity of Certain Colloids, etc. (Title only), 455.
- Hopkins (F. G.) See Morgan, Stewart and Hopkins.
- Insect pairing, geometry of (Lamb), 1.
- Internal secretion, studies on (Hogben), 204.
- Iridescent colour and structure (Rayleigh), 454.
- Jinnaka (S.) and Azuma (R.) Electric Current as a Stimulus, with Respect to its Duration and Strength, 49; Changes of the Electrical Excitability of Amphibian Muscle Fibre, and Discussion of A. V. Hill's Excitation Formula, 71.
- Kempe (Sir A. B.) Obituary notice of, i.
- Kirk (Sir J.) Obituary notice of, xi.
- Lamb (C. G.) The Geometry of Insect Pairing, 1.
- Laveran (C. L. A.) Obituary notice of, xlix.
- Lipschütz (A.) and others. Further Experimental Investigations on the Hypertrophy of the Sexual Glands, 83.
- Macalister (A.) Obituary notice of, xxxii.
- McDowall (R. J. S.) See Bramwell, McDowall and McSwiney.
- McSwiney (B. A.) See Bramwell, McDowall and McSwiney.
- Manson (Sir P.) Obituary notice of, xliii.
- Metabolic gradient of frog's egg (Cannon), 232.
- Metabolism after food in swine (Capstick and Wood), 35.
- Morgan (E. J.), Stewart (C. P.) and Hopkins (F. G.) On the Anaerobic and Aerobic Oxidation of Xanthin and Hypoxanthin by Tissues and by Milk, 109.
- Morgan (T. H.) Croonian Lecture: On the Mechanism of Heredity, 162.
- Mother-of-pearl, iridescent colour of (Rayleigh), 454.
- Muscle during contraction, acidity of (Roaf), 83.
- Muscle fibre, electrical excitability of (Jinnaka and Azuma), 71.

Obituary Notices of Fellows deceased :—

Kempe (Sir A. B.), i.	Macalister (A.), xxxii.
Kirk (Sir J.), xi.	Gowland (W.), xl.
Chapman (T. A.), xxx.	Manson (Sir P.), xliii.
Laveran (C. L. A.), xlix.	

- Paget (Sir R. A. S.) Production of Artificial Vowel Sounds. (Title only), 455.
- Photosynthetic activity during germination (Briggs), 12 ; subnormal, resulting from deficiency of nutrient salts (Briggs), 20.
- Pigmentary effector system (Hogben and Winton), 151.
- Plant movements and permeability variation (Sen), 216.
- Ponder (E.) Alterations in the Diameter of Erythrocytes during Hæmolysis, 102.
- Presidential Address of Sir C. Sherrington, 1922, [i].
- Protein molecule, sulphur groupings in (Harris), 426, 441.
- Rayleigh (Lord) Studies of Iridescent Colour and Structure producing it.—II. Mother-of-Pearl, 454.
- Reflexes, irradiation of conditioned (Anrep), 404.
- Roaf (H. E.) Further Note on Acidity of Muscle during Maintained Contraction, 83.
- Roughton (F. J. W.) See Hartridge and Roughton.
- Sen (B.) On the Relation between Permeability Variation and Plant Movements, 216.
- Sexual glands, hypertrophy of (Lipschütz and others), 83.
- Sherrington (Sir C.) Presidential Address, [i].
- Skull, method for comparative study of human (Sollas), 134.
- Sollas (W. J.) A Method for the Comparative Study of the Human Skull, and its Application to *Homo sapiens* and *H. neandertalensis*, 134.
- Stewart (C. P.) See Morgan, Stewart, and Hopkins.
- Strangeways (T. S. P.) Observations on the Changes seen in Living Cells during Growth and Division, 137.
- Tendon reflexes in human subject, time-relations of (Golla and Hettwer), 92.
- Trypanosomiasis, human, outbreak of, in Tanganyika Territory (Duke), 250.
- Tunncliffe (H. E.) See Dixon and Tunncliffe.
- Vagina, sympathetic innervation of (Gunn and Franklin), 197.
- Ventricles, relationship of electrical and mechanical response in (Bramwell), 98.
- Winton (F. R.) See Hogben and Winton.
- Wood (T. B.) See Capstick and Wood.
- Xanthin and hypoxanthin, oxidation of, by tissues and by milk (Morgan, Stewart, and Hopkins), 109.

END OF THE NINETY-FOURTH VOLUME (SERIES B).