

INDEX TO VOL. XCVI. (B)

- Adrian (E. D.). See Cooper and Adrian.
- Amphibian development, susceptibility of (Bellamy), 132.
- Annandale (N.) The Evolution of the Shell-sculpture in Fresh-water Snails of the Family Viviparidæ, 60.
- Apocyanine, carbocyanine, isocyanine, antiseptic action of compounds of (Browning and others), 317.
- Arenicola, blood pigment of (Barcroft), 28.
- Azuma (R.) Thermodynamic Phenomena exhibited in a Shortening or Lengthening Muscle, 338.
- Bacteria and leucocytes, activities of antiseptics on (Fleming), 171.
- Bacteria, fermenting powers of (Grey), 156.
- Balfour (Sir I. B.), obituary notice of, i.
- Barcroft (J. and H.) The Blood Pigment of Arenicola, 28.
- Bellamy (A. W.) and Child (C. M.) Susceptibility of Amphibian Development, 132.
- Blood, action of peptone and nucleic acids on coagulability of (Pickering and Hewitt), 77.
- Browning (C. H.) and others. The Antiseptic Action of Compounds of the Apocyanine, Carbocyanine and Isocyanine Series, 317.
- Buxton (P. A.) Heat, Moisture, and Animal Life in Deserts, 123.
- Campbell (J. A.) Concerning the Influence of Atmospheric Conditions upon the Pulse Rate and "Oxygen Debt" after Running, 43.
- Carleton (H. M.) and Robson (G. C.) On the Histology and Function of certain Secondary Sexual Organs in the Cuttle Fish, *Doratosepien confusa*, 259.
- Carter (G. S.) On the Structure and Movements of the Latero-frontal Cilia of the Gills of *Mytilus*, 115.
- Cells, formation of bi-nuclear (Strangeways), 291.
- Cerebral cortex of monkey, sensory localization in (de Barenne), 272.
- Child (C. M.) See Bellamy and Child.
- Ciliary movement (Gray), 95; (Carter), 115.
- Cohen (J. B.) See Browning and others.
- Cooper (S.) and Adrian (E. D.) The Electric Response in Reflex Contractions of Spinal and Decerebrate Preparations, 243.
- Crowther (J. A.) Some Considerations relative to the Action of X-rays on Tissue Cells, 207.
- Currey (G. S.) The Colouring Matter of the Blue Pansy, 374.
- Cuttle fish, secondary sexual organs in (Carleton and Robson), 259.
- De Barenne (J. G. D.) Experimental Researches on Sensory Localization in the Cerebral Cortex of the Monkey (*Macacus*), 272.
- Deserts, animal life in (Buxton), 123.
- Doratosepien*, secondary sexual organs in (Carleton and Robson), 259.
- Ellingworth (S.) See Browning (and others).
- Evans (H. M.) The Poison Gland of Trygon.—Supplementary Note, 491.

- Fibrous tissue, investigation of swelling of (Kaye and Jordan Lloyd), 293.
- Fleming (A.) A Comparison of the Activities of Antiseptics on Bacteria and on Leucocytes, 171.
- Fulton (J. F.) The Influence of Initial Tension upon the Magnitude and Duration of the Mechanical Response in Skeletal Muscle, 475.
- Gasser (H. S.) and Hill (A. V.) The Dynamics of Muscular Contraction, 398.
- Gray (J.) The Mechanism of Ciliary Movement.—IV. The Relation of Ciliary Activity to Oxygen Consumption, 95.
- Grey (E. C.) The Latent Fermenting Powers of Bacteria.—Nos. I-III, 156.
- Gulbransen (R.) See Browning and others.
- Hæmoglobin, ionic nature of (Taylor), 383.
- Haldane (J. B. S.) and others. The Effect of Reaction Changes on Human Inorganic Metabolism, 1; The Effect of Reaction Changes on Human Carbohydrate and Oxygen Metabolism, 15.
- Hayden (Sir H. H.), obituary notice of, xvii.
- Hewitt (J. A.) See Pickering (J. W.) and Hewitt.
- Hill (A. V.) See Gasser and Hill.
- Hill (A. V.), Long (C. N. H.) and Lupton (H.) Muscular Exercise, Lactic Acid, and the Supply and Utilization of Oxygen.—Parts I-III, 438.
- Hygroscopic fibres, method for observing changes of electrical conductivity in (Slater), 181.
- Jordan Lloyd (D.) See Kaye and Jordan Lloyd.
- Kaye (M.) and Jordan Lloyd (D.) A Historical and Physico-chemical Investigation of the Swelling of a Fibrous Tissue, 293.
- Labyrinth, dimensions correlated (Watt), 334.
- Lactic acid and muscular exercise (Hill, Long and Lupton), 438.
- Liddell (E. G. T.) and Sherrington (Sir C.) Reflexes in Response to Stretch (Myotatic Reflexes), 212.
- Long (C. N. H.) See Hill, Long and Lupton.
- Lupton (H.) See Hill, Long and Lupton.
- Macewen (Sir W.), obituary notice of, xxv.
- Metabolism, human, reaction changes and (Haldane and others), 1, 15.
- Mimosa pudica*, conduction of excitation in (Snow), 349.
- Muscle, initial tension and mechanical response in (Fulton), 475; thermodynamic phenomena in (Azuma), 338.
- Muscular contraction, dynamics of (Gasser and Hill), 398.
- Muscular exercise, lactic acid, and oxygen (Hill, Long and Lupton), 438.
- Obituary notices of Fellows deceased :—
- | | |
|--------------------------|-----------------------|
| Balfour, Sir I. B., i. | Macewen, Sir W., xxv. |
| Hayden, Sir H. H., xvii. | Shattock, S. G., xxx. |
| Teale, T. P., xxi. | Symington, J., xxxii. |
- Oxygen consumption of chick embryo, &c. (Shearer), 146.
- Pansy-colouring matter of (Currey), 374.
- Pickering (J. W.) and Hewitt (J. A.) The Action of "Peptone" and of Nucleic Acids on the Coagulability of the Blood, 77.

Pulse rate and "oxygen debt" after running, influence of atmospheric conditions on (Campbell), 43.

Reflex contractions of spinal preparations, electric response in (Cooper and Adrian), 243.

Reflexes in response to stretch (Liddell and Sherrington), 212.

Regan (C. T.) The Morphology of a Rare Oceanic Fish, *Stylophorus chordatus*, Shaw, based on specimens collected in the Atlantic by the *Dana* Expeditions, 1920-1922, 193.

Robson (G. C.) See Carleton and Robson.

Sensory localization in cerebral cortex of monkey (de Barenne), 272.

Shattock (S. G.), obituary notice of, xxx.

Shearer (C.) On the Oxygen Consumption Rate of Parts of the Chick Embryo and Fragments of the Earthworm, 146.

Sherrington (Sir C.) See Liddell and Sherrington.

Slater (F. P.) A Sensitive Method for observing Changes of Electrical Conductivity in Single Hygroscopic Fibres, 181.

Snails (Viviparidæ), evolution of shell-sculpture in (Annandale), 60.

Snow (R.) Conduction of Excitation in Stem and Leaf of *Mimosa pudica*, 349.

Strangeways (T. S. P.) Observations on the Formation of Bi-nuclear Cells, 291.

Stylophorus chordatus, morphology of (Regan), 193.

Symington (J.), obituary notice of, xxxii.

Taylor (H.) The Ionic Nature of Hæmoglobin, 383.

Teale (T. P.), obituary notice of, xxi.

Trygon, poison gland of (Evans), 491.

Watt (H. J.) Dimensions of the Labyrinth correlated, 334.

Wigglesworth (V. B.) See Haldane and others.

Woodrow (C. E.) See Haldane and others.

X-rays, action of, on tissue cells (Crowther), 207.