INDEX to VOL. LXXXIII. (B)

Address of President, November 30, 1910 (Geikie), 259.
Aggregation of matter, investigations dealing with the state of (Schryver), 96.
Anaesthetics, effect of some local, on nerve (Symes and Veley), 421.
Ardern (E.) See Fowler, Ardern, and Lockett.

Bacillus lactis aerogenes, action on glucose, mannitol, and fructose (Walpole), 272.
Bacteria, new method for differentiation of (Dudgeon and others), 33.
Bacteria (Streptococci), variation and adaptation in, with reference to value of fermentation tests (Walker), 541.
Barratt (J. O. W.) Complement Development in Mouse Carcinoma, 359.
Bateman (Capt. H. B.) See Bruce (Sir D.) and others.
Blackman (F. F.) and Smith (A. M.) Experimental Researches on Vegetable Assimilation and Respiration. VIII.—A New Method for Estimating the Gaseous Exchanges of Submerged Plants, 374 ; — IX.—On the Assimilation in Submerged Water-Plants and its Relation to the Concentration of Carbon Dioxide and other Factors, 389.
Bruce (Sir D.) and others. Trypanosome Diseases of Domestic Animals in Uganda. II.—Trypanosoma Brucei (Plimmer and Bradford), 1 ; — III.—T. vivax, 15 ; — IV.—T. uniforme, sp. nov., 176 ; — Experiments to Ascertain if Antelope may act as a Reservoir of the Virus of Sleeping Sickness (T. gambiense), 311 ; — Experiments to ascertain if the Domestic Fowl of Uganda may act as a Reservoir of the Virus of Sleeping Sickness, 328 ; — Experiments to investigate the Infectivity of G. palpalis fed on Sleeping Sickness Patients under Treatment, 338 ; — Experiments to ascertain if T. gambiense during its Development within G. palpalis is Infective, 345 ; — Experiments to ascertain if certain Tabanidie act as Carriers of T. pectorum, 349 ; — Further Researches on the Development of Trypanosoma gambiense in Glossina palpalis, 513.
Burch (G. J.) Preliminary Note on a Method of Measuring Colour-sensations by Intermittent Light, with Description of an Unfinished Apparatus for the Purpose, 528.

Calamites (Calamocladus), leaves of (Thomas), 490.
Cancer in mice, spontaneous (Haaland), 532.
Carbon dioxide output during decerebrate rigidity (Roaf), 433.
Carcinoma, complement development in (Barratt), 359.
Cheese, transformation of proteins into fats during ripening of (Nierenstein), 301.
Colour-sensations, method of measuring, by intermittent light (Burch), 528.
Cottons, experimental studies in Indian (Leake), 447.

Doncaster (L.) Gametogenesis of the Gall-fly, Neuroterus lenticularis, Part II, 476.
Drosera, proteolytic enzyme of (White), 134.
Dudgeon (L. S.), Panton (P. N.), and Wilson (H. A. F.) The Influence of Bacterial Endotoxins on Phagocytosis, including a New Method for the Differentiation of Bacteria. (Second Report), 33.
Echis carinatus, action of venom of (Fraser and Gunn), 491.
Euglena viridis, effect of gravity upon movements of (Wager), 94.

Fantham (H. B.) The Life-history of Tryp. gambiense and Tryp. rhodesiense as seen in Rats and Guinea-pigs, 212; —— see also Stephens and Fantham; —— and Thomson (J. G.) Enumerative Studies on Tryp. gambiense and Tryp. rhodesiense in Rats, Guinea-pigs, and Rabbits; Periodic Variations disclosed (Preliminary Note), 206.

Fermentation of sugars by yeast-juice, influence of arsenic (Harden and Young), 451.

FitzGerald (M. P.) The Origin of the Hydrochloric Acid in the Gastric Tubules, 56.

Fowler (G. J.), Ardern (E.), and Lockett (W. T.) The Oxidation of Phenol by certain Bacteria in Pure Culture, 149.

Fraser (Sir T. R.) and Gunn (J. A.) The Action of the Venom of Echis carinatus, 491.

Fry (Capt. W. B.) See Plimmer, Fry, and Ranken.

Gall-fly, Neuroterus lenticularis, gametogenesis of (Doncaster), 476.


Goniotoma kamausi, pharmacological action of (Dixon), 287.

Gunn (J. A.) See Fraser and Gunn.

Geikie (Sir A.) Anniversary Address, November 30, 1910, 259.

Giossinapalpahs fed on sleeping sickness patients, infectivity of (Bruce and others), 338.

Goitre, further experimental researches on etiology of (McCarrison), 335.

Haaland (M.) Spontaneous Cancer in Mice, 532.

Hamerton (Capt. A. E.) See Bruce (Sir D.) and others.

Harden (A.) and Young (W. J.) The Alcoholic Ferment of Yeast-juice. Part VI.—The Influence of Arsenates and Arsenites on the Fermentation of the Sugars by Yeast-juice, 451.

Hydrochloric acid in gastric tubules, origin of (FitzGerald), 56.

Kirkpatrick (R.) On a Remarkable Pharetronid Sponge from Christmas Island, 124.

Koch (R.) Obituary notice of, xviii.

Leake (H. M.) Experimental Studies in Indian Cottons, 447.

Lepra bacillus, method for isolating and growing (Twort), 156.

Lockett (W. T.) See Fowler, Ardern, and Lockett.


McKendrick (Capt. A. G.) The Chemical Dynamics of Serum Reactions, 493.

Mackie (Capt. F. P.) See Bruce (Sir D.) and others.

Malarial fever, enumerative studies on (Ross and Thomson), 159; —— haemoglobin metabolism in (Simpson), 174.

Medals, awards of 1910, 265.

Mendelian population mating at random, correlations between collaterals in (Snow), 37.

Mott (F. W.) Note upon the Examination, with Negative Results, of the Central Nervous System in a Case of Cured Human Trypanosomiasis, 235.

Nierenstein (M.) The Transformation of Proteins into Fats during the Ripening of Cheese (Preliminary Communication), 301.
Obituary Notices of Fellows Deceased: —

Koch (R.), xviii.
Seeley (H. G.), xv.
Ward (H. M.), i.

Panton (P. N.) See Dudgeon, Panton, and Wilson.
Phagocytosis, influence of bacterial endotoxins on (Dudgeon and others), 33.
Phenol, oxidation of, by bacteria (Fowler, Ardern, and Lockett), 149.
Plants, submerged, assimilation and respiration in (Blackman and Smith), 374, 389.
Plimmer (H. G.), Fry (W. B.), and Ranken (H. S.) Further Results of the Experimental Treatment of Trypanosomiasis; being a Progress Report to a Committee of the Royal Society, 140.

Ranken (Lieut. H. S.) See Plimmer, Fry, and Ranken.
Roaf (H. E.) Carbon Dioxide Output during Decerebrate Rigidity (Preliminary Communication), 433.
Ross (Maj. R.) and Thomson (D.) Some Enumerative Studies on Malarial Fever, 159; — A Case of Sleeping Sickness studied by Precise Enumerative Methods: Further Observations, 187.
Ross (Maj. R.) and Thomson (J. G.) Experiments on the Treatment of Animals infected with Trypanosomes, by means of Atoxyl, Vaccines, Cold, X-rays and Leucocytic Extract: Enumerative Method employed (Preliminary Note), 227.

Schryver (S. B.) Some Investigations dealing with the State of Aggregation of Matter, Parts I—III, 96.
Seeley (H. G.) Obituary notice of, xv.
Serum reactions, chemical dynamics of (McKendrick), 493.
Sherrington (C. S.) and Sowton (S. C. M.) Reversal of the Reflex Effect of an Afferent Nerve by altering the Character of the Electrical Stimulus applied, 435.
Simpson (G. C. E.) On Haemoglobin Metabolism in Malarial Fever (Preliminary Note) 174.
Sleeping sickness, antelope as reservoir of virus of (T. gambiense) (Bruce and others), 311; domestic fowl as reservoir of (Bruce and others), 328; — case of, studied by precise enumerative methods: further observations (Ross and Thomson), 187.
Sleeping sickness patients, infectivity of G. palpalis fed on (Bruce and others), 338.
Smith (A. M.) See Blackman and Smith.
South African boxwood, pharmacological action of (Dixon), 287.
Sowton (S. C. M.) See Sherrington and Sowton.
Sponge, pharetronid, from Christmas Island (Kirkpatrick), 124.
Stephens (J. W. W.) and Fantham (H. B.) On the Peculiar Morphology of a Trypanosome from a Case of Sleeping Sickness and the Possibility of its being a New Species (T. rhodesiense), 28.
Stovaine, physical and physiological properties of (Veley and Symes), 413.
Symes (W. L.) and Veley (V. H.) The Effect of some Local Anaesthetics on Nerve, 421. (See also Veley and Symes.)

Tabanidae as carriers of T. pecorum (Bruce and others), 349.
Thomas (H. H.) On the Leaves of Calamites (Calamocladus Section), 490.
Thomson (D.) See Ross and Thomson.
Thomson (J. G.) See Fantham and Thomson, and Ross and Thomson.
Trypanosoma gambiense, infectivity during development in G. palpalis (Bruce and others), 345; — further researches on development of, in G. palpalis (Bruce and others), 513.

T. gambiense and rhodesiense in rats, etc., enumerative studies on (Fantham and Thomson), 206; — life-history (T. and T.), 212.

T. pecorum, experiments on Tabanidae as carriers of (Bruce and others), 349.

Trypanosome cases of domestic animals in Uganda. II.—T. brucei (Bruce and others), 1; — III.—T. vivax (Bruce and others), 15; — IV.—T. uniforme (Bruce and others), 176; — V.—T. nanum (Bruce and others), 180.

Trypanosome from case of sleeping sickness, peculiar morphology of (Stephens and Fantham), 28.

Trypanosomes, experiments on treatment of animals infected with, by means of atoxyl, vaccines, etc. (Ross and Thomson), 227.

Trypanosomiasis, auto-agglutination of red blood cells in (Yorke), 238; — further results of experimental treatment of (Plimmer, Fry, and Ranken), 140; — human, central nervous system in a cured case of (Mott), 235.

Twort (F. W.) A Method for Isolating and Growing the Lepra Bacillus of Man (Preliminary Note), 156.

Vegetable assimilation and respiration, experimental researches on (Blackman and Smith), 374, 389.

Veley (V. H.) and Symes (W. L.) Certain Physical and Physiological Properties of Stovaine and its Homologues, 413. (See also Symes and Veley.)

Wager (H.) The Effect of Gravity upon the Movements and Aggregation of Euglena viridis, Ehrb., and other Micro-organisms, 94.

Walker (E. W. A.) On Variation and Adaptation in Bacteria, illustrated by Observations upon Streptococci, with Special Reference to the Value of Fermentation Tests as applied to these Organisms, 541.


Ward (H. M.) Obituary notice of, i.

White (Jean) The Proteolytic Enzyme of Drosera, 134.


X-rays, action of, on developing chick (Gaskell), 305.

Yeast-juice, influence of arsenic on fermentation of sugars by (Harden and Young), 451.


Young (W. J.) See Harden and Young.