

October 1937.—TARAPADA BANERJEE AND J. C. GHOSH: *Photochemical reaction with some Inorganic Colloids as Active Agents under the Influence of Light in various States of Polarisation. Part VIII.—On the Internal Filter Action of Reduced Tungstic Acid and Molybdic Acid Sols.* J. C. GHOSH, T. BANERJEE, S. K. NANDY AND N. GUPTA: *Photochemical Reaction with some Inorganic Colloids as Active Agents under the Influence of Light in various States of Polarisation. Part IX.—The Photochemical Oxidation of Alcohol and Glucose by Iodine in Acid Medium with Tungstic Acid Sol as Photosensitiser.* J. C. GHOSH, T. BANERJEE AND S. K. BHATTACHARJEE: *Photochemical Reaction with some Inorganic Colloids as Active Agents under the Influence of Light in various States of Polarisation. Part X.—On the Photochemical Oxidation of Glucose by Potassium indigo-tetrakisulphonate with Tungstic Acid Sol as Photo-catalyst.* J. C. GHOSH, T. BANERJEE AND J. C. BOSE: *Photochemical Reactions with some Inorganic Colloids as Active Agents under the Influence of Light in various States of Polarisation. Part XI.—The Photochemical Oxidation of Glucose by Methylene Blue with Uranic Acid Sol as Photosensitiser.* T. BANERJEE, S. K. BHATTACHARJEE AND N. MUKHERJEE: *Photochemical Reaction with some Inorganic Colloids as Active Agents under the Influence of Light in various States of Polarisation. Part XII.—The Photochemical Oxidation of Glucose and Lævulose by Methylene Blue with Ferric Hydroxide Sol as the Photosensitiser.* TARAPADA BANERJEE: *Photochemical Reaction with some Inorganic Colloids as Active Agents under the Influence of Light in various States of Polarisation. Part XIII.—Influence of State of Polarisation of Light on the Velocity of Photo-Oxidation of Organic Substances by Hydrogen Peroxide with Colloids as Photosensitisers.* J. C. GHOSH AND T. BANERJEE: *Photochemical Reaction with some Inorganic Colloids as Active Agents under the Influence of Light in various States of Polarisation. Part XIV.—Influence of Circularly Polarised Light on Photochemical Reactions with pre-excited Colloids as Photosensitisers.* K. GANAPATHI: *Synthesis in the Alloxazine, iso-Alloxazine (Flavin) and Lumazine Groups. Part I.—Synthesis of 6- or 7-Phenol and 6:7-Diphenylllumazines.* J. K. CHOUDHURY AND M. A. SABOOR: *Oxidation of Hydrocarbons in the Vapour Phase. Part I.—Aromatic Hydro-*

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Indian Botanical Society :

December 1937.—F. BOERGESSEN: *Contributions to South Indian Marine Algal Flora—Part II.* S. N. DAS GUPTA: *On the culture behaviour of a species of Rosellinia. Part I.—Inhibitory effect of certain chemicals on the production of perithecia.*

Association of Economic Biologists, Coimbatore :

November 15, 1937.—P. VENKATARAMIAH AND C. RAGHAVENDRACHAR: *The Colour of Black Soils—The Influence of Organic Matter.*—The examination of a number of black soil profiles, leads to the conclusion that the dark colour of the soil is due to the association of organic matter with a clay having a high $\text{SiO}_2/\text{R}_2\text{O}_3$ ratio and a Ca and Mg silicate complex which gives a darker colour to an already grey soil. T. V. RANGASWAMI: *Absorption of Soil Moisture during Germination in Cotton Seed.*—Different varieties of cotton seeds were examined. It was observed that water enters the embryo through the seed-coat in addition to the micropyle, during germination.

December 1, 1937.—P. D. KARUNAKAR, M. SANYASI RAJU, R. RAJAGOPALAN AND M. SUNDARAM: *Investigations on the Decomposition of Molasses under Paddy Soil Conditions.*—The death of paddy seedlings when transplanted soon after the application of molasses to paddy soils, is due to (1) Displacement of oxygen by CO_2 , H_2 and methane evolved in considerable quantities and (2) Production of organic acids and the dissolution effect they may have had on minerals. These effects pass off after about two weeks.

December 22, 1937.—C. R. SREENIVASA AYYANGAR AND S. RAMANUJAM: *Induction of Somatic Mutations as a Method of Crop Improvement in Rice.*—The cause of the occurrence of the mutations and the method employed for artificially producing them and their importance in practical breeding are discussed. V. RAMANATHIA AYYAR: *India and the Present Cotton Situation.—A General discourse.*

Errata.

Vol. VI, No. 3, September 1937.

Review entitled "Lectures on College Algebra":

Page 121, Column 1—(1) line 22, for 'then' read 'them'; (2) line 36, omit the repeated portion, viz., "into the fabric of which are oven the tissues"; and (3) line 39, for "Choherent" read "Coherent".

Vol. VI, No. 5, November 1937.

(1) Contribution entitled "The Thermodynamics of Duststorms":

Page 209, Column 1, last line, and Column 2, first line for "following table gives the monthly frequencies of duststorms brought out by this analysis" read "following table gives the monthly distribution of these 152 duststorms as brought out by this analysis".

(2) Contribution entitled "Diagnosis of Colour Defect":

Page 252, Column 2, line 3, for "field" read "first".