

ACADEMIES AND SOCIETIES

Indian Academy of Sciences:

April 1939. SECTION A.—R. S. KRISHNAN: *Influence of Secondary Scattering on Depolarisation Measurements.* The secondary scattering which is very pronounced in emulsions and proteins enhances the values of ρ_{11} , ρ_{22} and ρ_{33} . This effect can be eliminated by using a very narrow pencil of light for illumination. M. AFZAL AND V. I. VAIDHIANATHAN: *A note on Capillarity and Subsoil Water-Table.*—A large number of concave menisci formed in the interstices near the surface exert a negative pressure, and hold down the subsoil water level. S. BHAGAVANTAM AND CH. V. JOGA RAO: *Ultrasonic Velocity and the Adiabatic Compressibility of some Liquids.*—The adiabatic compressibility derived from ultrasonic velocity and determined directly on the same specimens of liquids, are found to be in good agreement. B. RAMAMURTI: *A Special Net of Quadrics.* BAWA KARTAR SINGH: *The Space Arrangements of Atoms—Part I. The Configuration of Nitrogen in the 3-Covalent State.*—It is deduced from stereochemical considerations that the nitrogen valencies are non-planar. S. RANGASWAMI, T. R. SESHADRI AND J. VEERARAGHAVIAH: *Constitution of Naringin.*—The position of the sugar group. Glucose and rhamnose exist as a disaccharide unit attached to position 7. G. R. PARANJPE, Y. G. NAIK AND P. B. VAIDYA: *Scattering of Light by Large Water Drops. Part I, and Part II.*—Mie's theory has been extended to larger sizes of particles of radius varying from 0.4μ to 3.0μ . The corresponding experimental studies on steady clouds confirm the calculated angular distribution of intensity and its dependence on the particle size. P. SURYAPRAKASA RAO AND T. R. SESHADRI: *Pigments of Cotton Flowers. Part VIII.—Constitution of Herbacitrin and Quercimeritrin.* Herbacitrin is the 7-glucoside of Herbacetin and Quercimeritrin in the 7-glucoside of Quercetin.

April 1939. SECTION B.—B. N. SINGH, K. N. LAL AND M. B. LAL: *The Influence of Artificial Fertilisers upon the Photosynthetic Efficiency of Andropogon Sorghum.* B. N. SINGH AND S. R. A. N. RAO: *Photosynthetic Efficiency of Leaves as Influenced by Variations in pH of the Injected Solutions.* K. BHASKARAN NAIR: *The Reproduction, Oogenesis and Development of Mesopodopsis orientalis Tatt.* B. R. SESHACHAR: *On a New Species of Uræotyphlus from South India.*

Indian Chemical Society:

February 1939.—J. C. GHOSH: *The Production of Optically Active Substances and Metallic Films of Silver, Platinum and Palladium by*

means of Circularly Polarised Light. TEJENDRA NATH GHOSH AND DEBABRATA DAS-GUPTA: *Pyrazole Derivatives.* S. K. RANGANATHAN: *isoPropylglutaconic Acid.* V. S. PURI AND V. S. BHATIA: *The Action of Inorganic Colloids on Electrodeposition of Nickel.* B. N. GHOSH, P. K. DUTT AND D. K. CHOWDHURY: *Enzymes in Snake Venom—Part V. Detection of Dipeptidase, Polypeptidase, Carboxypolypeptidase and Esterase in Different Snake Venoms.* S. G. CHAUDHURY AND M. K. INDRA: *On Theories of Adsorption Indicators.* SURESH CHANDRA SEN-GUPTA: *Studies in Dehydrogenation—Part III.* BALWANT SINGH AND SOHAN SINGH: *Potentiometric Studies in Oxidation-reduction Reactions—Part V. Oxidation with Potassium Chlorate.* U. P. BASU AND S. J. DAS-GUPTA: *Acridine Derivatives as Antimalarials—Part II.* S. K. RANGANATHAN: *Experiments towards the Synthesis of Physiologically Active Lactones—Part I. Cyclopentyl- and CycloHexylsuccinic Acids. Resolution of dl-cyclopentylsuccinic Acid.*

Indian Botanical Society:

April 1939.—H. G. CHAMPION: *The relative stability of Indian vegetational types* (Presidential Address at the 18th annual meeting of the Indian Botanical Society at Lahore, January 1939). C. V. KRISHNA IYENGAR: *Development of the embryo-sac and endosperm-haustoria in some members of Scrophulariaceæ II. Iso-plexis canariensis, Lindl and Celsia coromandeliana Vahl.* M. J. TIRUMALACHAR: *Grafting of Figs.* K. R. RAMANATHAN: *On the mechanism of spore liberation in Pithophora polymorpha Wittr.*

Meteorological Office Colloquium, Poona:

March 3, 1939.—DR. K. J. KABRAJI: *A summary of work on droplet sizes in mountain fogs at Khandala and of conclusions therefrom.* March 10, 1939.—MR. J. M. SIL: *Vaisala's Radiometer-meteorograph.* DR. K. R. RAMANATHAN: *Thomas's Radio-meteorograph.* March 16, 1939.—DR. L. A. RAMDAS: *Some Problems on Radiation.* March 31, 1939.—MR. M. P. VAN ROOY: *Climate of South Africa.* April 21, 1939.—S. P. VENKATESHWARAN: *Bureau of Standards Radio-Meteorograph.*

Society of Biological Chemists, India:

February 18, 1939 (Bangalore)—G. NARASIMHA MURTHY: *Electrical Mobilities of Red Blood Corpuscles in Laboratory Animals during Malnutrition.* Y. V. S. MURTHY AND Y. V. S. RAO: *Calcium and Phosphorus Availabilities in Rice.* P. M. N. NAIDU: *The Test-tube Chick.*