

ACADEMIES AND SOCIETIES.

Indian Academy of Sciences :

April 1937.—SECTION A.—R. S. KRISHNAN : *Dispersion of Depolarisation of Light-Scattering in Colloids—Part II. Silver Sols.*—It is inferred that the particles of silver sols behave optically like elongated ellipsoids with the axial ratio equal to 0.75. It is suggested that the colloidal particles of silver may be in the form of minute octohedra which can be considered as optically equivalent to a prolate spheroid of the axial ratio 0.75. N. W. HIRWE AND B. V. PATIL : *Derivatives of Salicylic Acid—Part XI. Bromo-Salicylic Acids and their Methyl Ethers.*—A detailed study of these acids was undertaken as their chloralamides were required for other work. B. B. DEY AND T. K. SRINIVASAN : *The Preparation of Ortho-Phthalaldehydic Acid.* V. SEETHARAMAN : *Differential Invariants for Path Spaces of Order 3.* S. RAMACHANDRA RAO AND S. SRIRAMAN : *The Paramagnetic Susceptibility of Lithium.*—The mean value is found to be 2.6×10^{-1} . T. R. SESHADRI AND C. VENKATA RAO : *A New Separation of the Components of Psoralea corylifolia, Linn.*—The components of the seeds have been isolated and examined. K. NEELAKANTAM AND T. R. SESHADRI : *Pigments of Cotton Flowers—Part IV. Constitution of Herbacin and Herbacetin—New Glucoside and Aglucone (Flavonol).* T. S. SUBBARAYA, B. NAGESHA RAO AND N. A. NARAYANA RAO : *On the Band Spectrum of Mercurous Iodide.*—The bands of group III have been measured under high dispersion and analysed. T. S. SUBBARAYA, N. A. NARAYANA RAO AND B. NAGESHA RAO : *On the Band Spectrum of Cadmium Iodide.*—Results obtained during an investigation of the group III bands of CdI are presented. N. W. HIRWE AND (MISS) K. D. GAVANKER : *Derivatives of Salicylic Acid—Part XII. Nitro-Salicylic Acids and their Methyl Ethers.*—A new method for the synthesis of 3:5-dinitro-salicylic acid by nitration of salicylic acid is described. Dr. HANSRAJ GUPTA : *On a Conjecture of Chowla.*

April 1937.—SECTION B.—COL. I. FROILANO DE MELLO AND CÆTANO CORREA DE MEYRELLES : *On the Classification and Schizogonic Cycle of a Blood Parasite of the Indian Lizard Calotes versicolor Daud. Subspecies Major Blyth.*—The parasite has many interesting peculiarities which have enabled the authors to classify it as a new

species. The existence of a *paranuclear body* so often figured in *K. lacertarum* and always present in the various evolutive stages of the parasite now studied, the presence of a polar capsule in gametocytes, the evident sexuality of gametocytes, the endoglobular and endothelial cycles of schizogony, the peculiar shape and structure of the micro-merozoites have not been described in any hæmogregarinid hitherto recorded. M. K. SUBRAMANIAM AND R. GOPALA AIYAR : *An Analysis of the Shape and Structure of the Golgi Bodies in the Eggs of Invertebrates with a Note on the Probable Modes of Origin of the Golgi Network.*

Indian Chemical Society:

February 1937.—TARAPADA BANERJEE : *On the Photochemical Oxidation of Organic Substances by Hydrogen Peroxide in Acid Medium with Inorganic Sols as Photosensitiser.* B. B. DEY AND (MISS) P. LAKSHMI KANTAM : *Studies in the Cotarnine Series—Part VIII. Derivatives of I-Aminomethylhydrocotarnine.* PRATUL NATH SEN-GUPTA AND B. C. GUHA : *Estimation of Total Vitamin C in Food-stuffs.* SHRIDHAR SARVOTTAM JOSHI AND T. MADHAVA MENON : *Studies in the Coagulation of Colloids—Part XVI.*—Further Investigation of the "Zonal effect" and the anomalous variations of the viscosity transparency and Refractivity during the coagulations of colloid antimony sulphide by Aqueous Mercury Chloride. RADHA RAMAN AGARWAL AND SIKHIBHUSHAN DUTT : *On Synthetic Coumarins—Part I.—Coumarins derived from Resacetophenone.* TEJENDRA NATH GHOSH : *Quinoline Derivatives—Part I.* M. GOSWAMI AND A. SAHA : *Composition of Boiled Oil.*—A preliminary Note. SAILESH CHANDRA SEN : *A Note on the Application of Potassium Ferricyanide Method for the Estimation of Reducing Sugars in Canejuice.* SACHINDRA NATH ROY : *A Note on the Use of Adsorption Indicator in Acidimetry and Alkalimetry.*

Society of Biological Chemists (India) :

Bangalore, 1st May 1937.—K. V. GIRI : *Magnesium activation of Tissue Phosphatases.* Y. V. S. IYER : *A Note on the Standardization of Food Materials.* V. SUBRAHMANYAN : *Volatilization of Ammonia from Soils.* M. V. GOVINDASWAMY : *Some Biochemical Factors in Mental Disorder.*

Forthcoming Events.

21-24 June 1937, Simla.—7th meeting of the Research Officers of the Central Board of Irrigation.

Besides discussing the reports of the Research Officers on the work done in their provinces

during the preceding year the following new subjects will be taken up for discussion:—(1) Questionnaire on "Drains", and (2) "Note on the rise of water-table in canal irrigated areas of the Punjab," by Mr. E. S. Crump.