

ACADEMIES AND SOCIETIES

Indian Academy of Sciences:

July 1939. SECTION A.—N. V. SUBBA RAO AND T. R. SESHADRI: *Use of Mercuric Acetate in organic preparations—Part I. Mercury compounds of Amides and Imides.* S. RANGASWAMI AND T. R. SESHADRI: *3-Benzoyl-7-Hydroxy-flavone.* M. SALARUDDIN AND C. K. ANANTHASUBRAHMANYAM: *The Bright Solar Eruption of March 3, 1939.*—One of the brightest and largest eruption observed in Kodaikanal during the last two years is described. S. S. PILLAI: *On Normal Numbers.* V. S. VRKLIJAN: *Ein Versuch der Erweiterung des Krishnanschen Reziprozitätsgesetzes für Schiefe Beobachtungsebenen.*—Krishnan's reciprocity relation is extended to inclined planes of observation. N. V. RANGASWAMY IYENGAR AND BASRUR SANJIVA RAU: *Interfacial tension studies on Mercury in reacting systems.*—Measurements have been made in systems containing H₂S and SO₂ in CCl₄, sulphur in CCl₄, KHgI₃ in water, and KHg(CN)₃ in water. D. N. MOGHE: *On a simple system of charged particles in Milne's kinematical theory.* G. S. KASBEKAR AND A. R. NORMAND: *Reaction between Nitric Acid and Tin in presence of Catalysts—Part II.*—Iodides of sodium and potassium retard the reaction. D. N. MOGHE: *On the Stability of Motion in Milne's kinematical system.* S. S. BHATNAGAR, P. L. KAPUR AND G. MITTAL: *Magnetic Properties of Copper Amalgams.*—Amalgams have been prepared under definite conditions by different methods and examined. The observation that copper becomes paramagnetic in dilute amalgams is attributed to formation of paramagnetic oxides during prolonged electrolysis. S. DUTT AND IONE N. D. DASS: *Colour in relation to chemical constitution of the Organic and Inorganic Salts of Isonitroso-Pyrazolones and Isooxazolones.*

July 1939. SECTION B.—T. S. SADASIVAN: *A study of the Growth Reactions of non-parasitic Fungi in Associated Culture.*—The first of a series dealing with the growth reactions, primarily of two non-parasitic fungi, *Fusarium* and *Dendryphiella* in associated cultures. B. N. SINGH AND J. R. SINGH: *Effectiveness of chemical fertilisers on the growth and water requirement of wheat.*—The application of fertilisers, besides showing a higher yield of the crop, has the added advantage of minimising the cost of irrigation. L. S. RAMASWAMI: *Some aspects of the anatomy of anura (Amphibia)*—A Review. C. V. GANAPATHY AND B. N. SASTRI: *Oxidation of Thiols and Ascorbic*

Acid in the Latex of Papaya.—Thermolabile systems responsible for maintaining thiols in the reduced condition are present in the latex and pulp-juice of the Papaya fruit. K. S. SRINIVASAN: *On the developmental morphology of androgynous receptacles in Marchantia palmata Nees.* G. W. CHIPLONKER: *Bryozoa from the Bagh Beds.*—A detailed study of the Bryozoa obtained, in the main, from the Upper Coralline Limestone, the uppermost member of the Bagh Beds, shows that no species are identical with or even allied to any of the forms described from South India. The Bryozoan fauna can be assigned to a horizon at about the Cenomanian.

Indian Association for the Cultivation
of Science (*Proceedings*)

April 1939.—A. C. BANERJI AND NIZAMUDDIN: *Jupiter's Atmosphere.* P. L. KAPUR: *A Note on the Transmutation Function for Deuterons.* S. R. DAS AND K. GHOSH: *A Study of Sulphur Allotropes by the X-ray Diffraction Method—Part II.* S. K. MITRA AND A. K. BANERJEE: *The Light Theory of Aurora and Magnetic Disturbance.*

June 1939.—A. K. SEN GUPTA: *Band spectrum of antimony monoxide.* B. M. ANAND AND S. NARAIN: *On the Raman effect in camphor.* A. K. DUTTA, M. K. CHAKRAVARTY AND S. R. KHASTGIR: *An experimental study of parabolic wire reflectors on a wave-length of about 3 metres.* P. C. MUKHERJI: *On the absorption and emission spectra of rare earth crystals.* J. A. N. THAES: *Measurement by means of the electrometer triode.* M. V. SIVARAMAKRISHNAN: *An improved form of vacuum arc mercury still for laboratories.* S. K. MUKERJI AND S. ABDUL AZIZ: *On the Raman spectrum of o-Diphenylbenzene.* D. M. BOSE AND P. C. MUKHERJI: *On the colour of paramagnetic ions in solution, II.*—*Fine structure of the absorption bands.*

Meteorological Office Colloquium, Poona:

July 15, 1939.—PROF. K. S. KRISHNAN: *The Paramagnetism of Crystals.*

Botanical Society of Bengal:

July 28, 1939.—S. HEDAYETULLAH AND A. K. CHAKRAVORTY: *A comparative study of the construction of mechanical system in the five species of the genus oriza preliminary to the study of lodging of rice plants.*