

ACADEMIES AND SOCIETIES.

Indian Academy of Sciences:

May 1938. SECTION A.—K. S. K. IYENGAR AND K. V. IYENGAR: *On a Problem relating to a Tetrahedron*.—The problem of determining the tetrahedron of maximum value, the area of whose faces are given, is resolved in a more elegant way and it is further proved that in the case of n -dimensions also, there is only one orthogonal simplex, with assigned values for the $(n - 1)$ -dimensional volumes of its simplex-faces. S. RANGASWAMI, V. SUBBA RAO AND T. R. SESHADRI: *Reactivity of the Double Bond in Coumarins and Related α : β -Unsaturated Carbonyl Compounds—Part VI. Action of Mercuric Acetate on the Methyl Ethers of Coumarinic and Coumaric Acids*.—These acids undergo addition at the double bond as well as mercuration, whereas the 5-nitro derivatives undergo addition only. N. G. SHABDE: *The Expansion of a Function in a Series of Associated Legendre Functions*. W. M. VAIDYA: *The Flame Spectra of Some Aliphatic Halides—Part II. (2) Ethyl Bromide*.—Bands emitted by BrO and Br₂ have been identified. CH. I. VARADANAM: *Viscosity and Jelly Formation of Concentrated Sols of Hydrous Stannic Oxide*.—Krishnan's optical method has been employed to follow the changes in particle size in hydrous stannic oxide sol with the progress of dialysis. B. S. MADHAVA RAO: *Biquaternions in Born's Electrodynamics*. H. S. SUBBA RAO: *Eulerian Parameters and Lorentz Transformations*. K. S. K. IYENGAR: *Theorems on the Functional Limits of Derivatives of a Function at Infinity*.

May 1938. SECTION B.—C. SRIKANTIA, D. SHAMANNA AND G. S. RAGHUNATHA RAO: *Studies in Blood Sugar. I.—Variation of Blood Sugar during Menstrual Cycle*. C. SRIKANTIA AND D. SHAMANNA: *Studies in Blood Sugar. II.—Fasting Blood Sugar of South Indian Students in Mysore*. C. SRIKANTIA AND D. SHAMANNA: *Studies in Blood Sugar. III.—Blood Sugar of Children*. R. S. CHOPRA: *Notes on Indian Hepatics. I.—South India*. R. GOPALA Aiyar AND (MISS) K. P. NALINI: *Observations on the Reproductive System, Egg-Case, Embryos and Breeding Habits of Chiloscyllium griseum Mull. and Henle*.—The authors have given for the first time a clear and connected account of the life history of this interesting Elasmobranch Fish from the Indian coast. The description includes a complete account of the reproductive system and the egg-case with numerous photographic illustrations of the different stages of the embryos. M. K. SUBRAMANIAM: *On Myzostoma gopalai Species Nova from the Madras Harbour*.

National Academy of Sciences:

(Proceedings, Vol. VII, Part 4.)

December, 1937.—S. K. CHAKRABERTTY AND P. B. GANGULY: *On an Equation for the Viscosity*

of Mixtures. A. B. SEN: *Action of Para-Toluene Sulphonyl Chloride on Phenols containing Azo-Groups*. K. B. MATHUR: *Ionisation of F-Region before Sunrise*.

Indian Physical Society:

April 30, 1938.—K. BANERJI AND A. HAQUE: *Structure of Aromatic Compounds, Part III—Benzophenone*. K. BANERJI AND A. HAQUE: *Space Group of Creatinine*. D. M. BOSE AND P. C. MUKHERJI: *On the Origin of Colour of Paramagnetic Ions in Solution*. S. C. SIRKAR AND J. GUPTA: *On the Heat Capacity of a Few Crystals at Low Temperature*. R. C. MAJUMDAR: *On the Total Reflection of Radiowaves in Ionosphere*.

Indian Chemical Society:

March 1938.—K. GANAPATI: *Synthesis in the Alloxazine, iso-Alloxazine (Flavin) and Lumazine Groups—Part III. Synthesis of Some Acid Derivatives*. S. K. MITRA: *Theoketonic Esters, Part VI*. K. P. BASU AND M. C. NATH: *Organic Acid—Fe³⁺ Complex as a Disturbing Factor in the Titrimetric Estimation of Ascorbic Acid*. DUHKHAHARAN CHAKRAVARTI AND BROJESWAR MAJUMDAR: *Synthesis of Coumarins from o-Hydroxy-aryalkyl Ketones Part I*. PRAFULLA KUMAR BOSE AND RAJENDRALAL NATH: *Natural Flavones—Part I. The Constitution of Gardenin*. L. D. SHAH: *Mercuration of Acetyl Urethane and its Substituted Amides*. AFTAB AHMAD, KARTAR S. NARANG AND JNAENDRA NATH RAY: *Synthesis of Quinoxalines (and Benzoglyoxalines) —Part V*. U. P. BASU AND S. J. DAS-GUPTA: *Acridine Derivatives as Antimalarials—Part II*. SACHINDRA NATH ROY: *Note on the Use of Adsorption Indicator in Acidimetry and Alkalimetry*.

The Entomological Society of India:
(New Delhi Branch.)

May 18, 1938.—HEM SINGH PRUTHI AND H. L. BHATIA: *Life-history and Bionomics of the common Fruit Fly of the North Western Frontier Province*. TASKHIR AHMAD: *The amarantus Weevil Borer, Lixus truncatulus F. and its Parasites*. EXHIBITS: HEM SINGH PRUTHI: *Euzophera punicea Moore*. TASKHIR AHMAD: *Variation in Size and Colouration of the Common Blister Beetle*. K. B. LAL: *Some interesting Ants of Delhi*. L. N. NIGAM: *The Coffee Berry Borer*. W. L. BHATIA: *Some Fruit Flies of Delhi*. GHULAM-ULLAH: *Psyllids and Bagworms on Casia listula*. TASKHIR AHMAD: *Grubs of the Red Pumpkin Beetle, Aulacophora abdominalis*. C. K. SAMUEL: *A Device for Feeding Small Insects on Restricted Areas of Experimental Plants*.

Erratum.

Vol. 6, No. 11, May 1938, page 557:—Contribution entitled "A Note on *Harmostomum* sp. from an Indian Toad," line 5, for "*Bufo tympanum*" read "*Bufo microtympanum*".