

## ACADEMIES AND SOCIETIES

### Indian Academy of Sciences: (Proceedings)

December 1941. SECTION A.—R. D. DESAI AND F. FIGUERO: Studies in the Friedel-Crafts reaction. Part VII. The action of phthalic and succinic anhydrides on resorcinol derivatives. S. V. ANANTAKRISHNAN, S. ARAVAMUTHACHARI AND V. S. GOVINDARAJAN: A study of the constituents of the seeds of *Croton sparsiflorus* (Morung)—Part I. S. V. ANANTAKRISHNAN, S. ARAVAMUTHACHARI AND V. S. GOVINDARAJAN: A study of the constituents of the seeds of *Croton sparsiflorus* (Morung)—Part II. Chemical examination of the components. K. GANAPATHI, M. V. SHIRSAT AND C. V. DELIWALA: Chemotherapy of bacterial infections. Part V. Synthesis of 2-N<sup>1</sup>-sulphanilamido-5-alkyl- and 2-N<sup>1</sup>-sulphanilamido-4-methyl-5-alkyl-thiazoles. N. V. R. IYENGAR: Modified methods for the determination of total alkali, sulphate, nitrate and phosphate in highly coloured solutions of high organic matter content. The analysis of highly coloured and turbid effluents has been much simplified by the previous oxidation of colour and organic matter by hydrogen peroxide under suitable conditions. P. SURYAPRAKASA RAO AND T. R. SESHADRI: The colouring matter of the flowers of *Tagetes patula*: Isolation of a new flavonol, patuletin and its constitution. Patuletin is represented as 3:5:6:3':4'-penta-hydroxy flavone. B. R. SETH: Finite strain in a rotating shaft. BIJAN BIHARI LAL: Decomposition of hydrogen peroxide by sodium nitroprusside. The photo-chemical after-effect in the reaction between hydrogen peroxide and sodium nitroprusside is due to the photo-formation of sodium aquo penta cyano ferrate. MISS S. PANKAJAM: Ideal theory in boolean algebra and its application to deductive systems.

SECTION B.—B. SAHNI: Indian silicified plants. I. *Azolla intertrappea* Sah. & H. S. Rao. K. CHIDAMBARAM: Observations on the development of *Arius jella* (Day). L. S. S. KUMAR AND A. ABRAHAM: Cytological studies in Indian parasitic plants. I. The cytology of *Striga*. M. C. CHERIAN AND M. S. KYLASAM: Preliminary notes on the parasites of the spotted and the pink bollworms of cotton in Coimbatore. A. R. SRINIVASAN: Cyto-morphological features of *Limnanthemum cristatum* Griseb. and *Enicostemma littorale* Blume. K. BHASKARAN NAIR: On the embryology of *Squilla*.

### Indian Chemical Society: (Journal)

September 1941.—S. S. BHATNAGAR AND M. SARUP: Adsorption properties of synthetic resins. T. B. PANSE, R. C. SHAH AND T. S. WHEELER: Some new reaction of 1-Benzylidene-coumaran-2-ones. Part I. JAGANNATH GUPTA AND ANIL KUMAR MAJUMDAR: Raman spectra of substituted sulphuric acids. Part I. P. C. MITTER AND PHANINDRA NATH BAGCHI: Studies in long-chain acids. Part III. On bis-nor-Oleic acid. V. S. PURI AND S. R. SETH: The effect of colloids on the electrodeposition of nickel on copper. PARESH CHANDRA DUTTA: 9-Thiophenanthrene and some of its derivatives. B. N. GHOSH: On the velocity of hydration and dehydration of nickel sulphate. PARESH CHANDRA DUTTA AND RAMANI MOHAN SINHA: Azine derivatives from 9:10-Phenanthrathiophene-2':3'-dione. S. N. JOSHI, R. K. KAUSHAL AND S. S. DESHPANDE: Structure of oxymethylene methyl ethyl ketone and of oxymethelene methyl-β-phenyl ethyl ketone. (MISS) ASIMA MOOKERJEE: The alkaloids of *Rauwolfia canescens*, Linn. Part II. N. C. SEN-GUPTA AND P. R. SINHA: On the moving boundary method for the determination of cataphoretic speed of colloids. Part II. KESHO DASS JAIN AND B. L. VAISH: Reaction between glucose and iodine in alkaline medium. Effects of neutral salts. RAFAT HUSAIN SIDDIQUI: A note on an isomer of dimethylethylpyridine.

### Royal Asiatic Society of Bengal:

January 5, 1942.—FRANKLIN P. METCALF: Notes on *Cayratia* and *Tetrastigma*. The systematic position of the two specimens collected in Hainan in 1921 and 1922 by Prof. McClure which had hitherto been variously interpreted as *Columella Wrayi* (King) Merrill or as *Cayratia papillata* (Hance) Merrill and Chun has been clarified.

A comparison of the available photographs, drawings and merotype show that the species of King, originally described as *Vitis Wrayi* and that of Hance, originally described as *Vitis papillata* are the same and that they both represent species of *Cayratia* and not *Tetrastigma*.

Gagnepain, Merrill and Chun, and more recently Biswas (in litt.) consider this to be a *Cayratia*, not a *Tetrastigma*, though Craib has placed his Siam material under *Tetrastigma*.

The early material from Hainan collected by McClure is something entirely different; it is a species of *Tetrastigma*, apparently undescribed, and is here proposed as a new species.