

Indian Chemical Society (*Journal*):

June 1940.—S. S. BHATNAGAR, A. N. KAPUR AND M. S. BHATNAGAR: Adsorptive properties of synthetic resins—Part IV. MATA PRASAD AND M. A. NAQVI: Heterogeneous reaction between chromic sulphate and manganese dioxide. SANTI RANJAN PALIT: A new method of preparing hydrosols of shellac and other natural resins and their properties. M. S. TELANG AND V. V. NADKARNY: Kinetics of the reaction between potassium persulphate and alkyl iodides—Part III.—Catalytic activity of a weak acid. HIRALAL SHRIVASTAVA: Kinetics of the saponification of esters in dilute solutions. A study of the effect of substitution on the rate-determining factors. R. K. BAHL AND MANOHAR LAL: The interaction between potassium metaperiodate and the soluble salts of metals of alkaline earths. R. K. BAHL AND SURJIT SINGH: The action of chlorine on the hydroxides of alkaline earths in the presence of iodine—Part II. K. N. GAIND, JNANENDRA NATH RAY AND JAYANT N. YAGNIK: Synthesis of local anaesthetics—Part IV. G. C. ESH AND S. S. GUHA-SIRCAR: An investigation on the soil and peat humic acids—Part II. Oxidation with hydrogen peroxide, hot alkali and chlorine dioxide solution. BHUPAL CHANDRA RAI-SIRCAR: Estimation of carotene in green vegetables by the Hilger-sector photometer. HAYAWADAN VAMANRAO DHARWARKAR AND RUPCHAND LILARAM ALIMCHANDANI: Reactivity of  $\text{CHCl}_2\text{CCl}_3$ -group attached to an aromatic nucleus.

July 1940.—D. K. BANERJEE: Synthetic investigations on the degradation products of bile acids, sex hormones, etc.—Part I. A synthesis of 7-methyl-0:3:3-bicyclooctane-1-one. P. S. MACMOHAN AND BIJAN BIHARI LAL: Photochemical after-effect in the oxalate-iodine reaction. R. K. BAHL AND SURJIT SINGH: The ternary system, potassium nitrate, ammonium nitrate and water at 25°. G. V. SHIROLKAR, I. S. UPPAL AND K. VENKATARAMAN: The Sulphonation of monoethylaniline. B. K. NANDI: Chemotherapy of Malaria. 6-Methoxyquinoline-8-hydrazine and synthesis of some heterocyclic compounds from it. D. K. BANERJEE: Synthetic investigations on the degradation products of bile acids, sex hormones, etc.—Part II. A synthesis of keto-deoxyoestric acid. SACHCHIDANANDA BANERJEE: The stability and state of ascorbic acid in urine. A. C. MAJUMDAR: Observations

on the anterior pituitary-like gonadotropic hormone from the human urine of pregnancy—Part I. HANS KRALL AND VIDYA SAGAR: The phenylthiocarbamides. A contribution to the study of the triad-N-C-S—Part IX. Thio-benzamide.

## Society of Biological Chemists, India

(Bangalore Branch)

May 21.—G. NARASIMHAMURTHY: Variation of butter constants due to ageing.

June 19.—MAHDI HASSAN: Pigment-producing bacteria.

August 24.—K. C. SEN: The Live-stock industry in India.

September 28.—S. L. VENKITESWARAN: Enzymic estimation of tyrosine. P. L. N. RAO: Sulphanilamide derivatives. G. B. RAMASARMA AND B. N. BANERJEE: Some factors affecting the vitamin content of mango fruit.

## Tin and Its Uses

The sixth issue of this Quarterly Review of the International Tin Research and Development Council, contains an illustrated article (page 4), describing a special tinning machine designed to produce more uniform and less porous tin coatings on tinplate. This machine embodies certain new features which are not yet employed in industrial practice, one of which is a device for securing a smooth drive for the rollers.

Another article (page 6) which is of particular interest at the present time, explains the uses of fusible alloys for the mounting of dies and punches for press-tool work, for foundry work and for bending tubes and sections.

An article (on page 11) entitled "Fluxes for Soldering" gives important information regarding the types of flux available and the uses to which each type is suited. Further details are given in this issue as to the best methods of ensuring adhesion of bearing metals to bearing shells of cast-iron and alloy steel.

Other articles give examples of technical difficulties encountered by tin consumers and of the Council's suggestions for overcoming them; this service of technical advice is available to any firm engaged on processes in which tin is involved.

## ERRATUM

Vol 9, No. 9, September 1940: Supplement:

Article entitled "His Highness Maharaja Sri Jaya Chamaraja Wadiyar Bahadur," p. ii,

column 2, third line, for "reigns" read "reins".