

sulphur iodide is decomposed by light and heat, but is comparatively stable at low temperatures. M. R. ASWATHANARAYANA RAO: *Thionyl iodide—Part I. Formation of thionyl iodide. Part II. Rate of decomposition and spectroscopic studies.* Thionyl iodide is made in carbon tetrachloride solutions by shaking a dilute solution of thionyl chloride with solid potassium iodide. The thionyl iodide is extremely unstable in presence of light. L. RAMACHANDRA ROW AND T. R. SESHADRI: *Synthetical experiments in the benzopyrone series—Part II. Synthesis of flavono- and coumarino-7:8-furan- β -ones and their derivatives.* K. SUNANDA BAI: *Raman Spectra of some carboxylic acids.* Isobutyric, benzoic, cinnamic and lactic acids as well as ethyl lactate have been studied. Changes in Raman spectra with temperature and state of aggregation have been investigated. B. DAYAL SAKSENA: *Raman effect and crystal symmetry.* Using a purely geometrical reasoning, it has been possible to write the tensor components for all vibrations belonging to any point-group of the crystal classes. The results are compared with the experimental data in sodium nitrate and good agreement between theory and experiment is observed.

March 1940. SECTION B.—(MISS) P. R. PARUKUTTY: *The myxophyceae of the Travancore State, India.* C. SURYAPRAKASA RAO: *The myxophyceae of the Delhi Province, India—I.*

Indian Chemical Society:

December 1939.—PRIYADARANJAN RAY AND PHANINDRA NATH BAGCHI: *Complex compounds of Biguanide with Bivalent Metals—Part I. Copper Biguanidines.* PRIYADARANJAN RAY AND NIHAIR KUMAR DUTT: *Complex compounds of Biguanide with Tervalent Metals—Part VI. Cobaltic trisBiguanidines.* PRIYADARANJAN RAY AND HARIHAR PRASAD BHATTACHARYA: *Complex compounds of biguanide with tervalent metals—Part VII. Cobaltic trisPhenylbiguanidines.* B. N. GHOSH AND P. C. ROY: *Comparison of the Cathaphoretic and Electro-osmotic methods of measuring electrokinetic potential.* DUHKHAHARAN CHAKRAVARTI AND JYOTIRMOY DUTTA: *Synthetical oxidation of chromanones with selenium dioxide—Part I.* P. M. BARVE, V. C. VORA AND B. N. DESAI: *Mutual coagulation of colloidal solutions. Interaction of copper ferrocyanide with ferric hydroxide, thorium hydroxide and ceric hydroxide.* PRODOSH CHANDRA ROY CHAUDHURY: *Chromium chromate.* BAIDYANATH GHOSH: *Vitamin C and Toxins—Part IV. The Effect of tetanus toxin on vitamin C metabolism.* K. M. CHAKRAVARTY: *Catalytic formation of methane*

from carbon monoxide and hydrogen—Part VI. On the poisoning by carbon deposition. JAGDISH SHANKER, PRABHAKAR N. BALJEKAR AND MATA PRASAD: *Space group determination of the crystals of melamine.* P. C. MITTER AND PHANINDRA CHANDRA DUTTA: *Studies in long-chain acids—Part II. On aleuritic acid (I).* (LATE) N. W. HIRWE AND K. N. RANA: *On chloral-amides. The reaction of phosphorus pentachloride on chloral-chlorosalicylamides and their methyl ethers and the reactivity of the chlorine atom.* G. GOPALA RAO AND W. V. SUNDARA RAO: *Mechanism of the microbiological oxidation of ammonia—Part II.*

January 1940.—BABA KARTAR SINGH AND TARA PROSAD BARAT: *Studies on the dependence of optical rotatory power on chemical constitution—Part XVII. Nitro and Carboxyaryl derivatives of stereoisomeric methylenecamphors.* MUHAMMAD QUDRAT-I-KHUDA AND SUBASH KUMAR GHOSH: *Stereochemistry of monocyclic rings—Part I. Interconversion of methylcyclohexane into methylcycloheptane ring and synthesis of 4-methylcycloheptanone.* H. A. SHAH AND R. C. SHAH: *C-alkylresorcinols—Part IV. Nuclear methylation of 4-acyl-resorcinols.* S. M. SETHNA AND R. C. SHAH: *Pechmann condensation of methyl β -resorcyate with some β -ketonic esters.* H. A. SHAH AND R. C. SHAH: *Furano compounds—Part I. Synthesis of Furo-3'-methyl-5:6-(4':5)-coumarin and Furo-3'-ethyl-5:6(4':5)-coumarin.* PRAFULLA KUMAR BOSE AND PHANIBHUSHAN DUTT: *Natural flavones—Part IV. On the constitution of erianthin, the yellow colouring matter of Blumea eriantha DC.* PRAFULLA KUMAR BOSE AND SACHINDRA NATH DUTT: *Investigation of the oil from the fruits of Ferula alliacea, Boiss.* W. V. BHAGWAT: *Application of Beer's Law of Absorption to solutions.* S. S. DESHPANDE, W. V. BHAGWAT AND C. W. SUBNIS: *Velocity of transformation of 1:3:5-triketones into 2:6-disubstituted γ -pyrones—Part I. Velocity of transformation of acetone dioxalic ester into chelidonic ester.* DUHKHAHARAN CHAKRAVARTI AND NARENDRA LAL DUTTA: *Synthesis of coumarins from o-hydroxyl-aryl-alkyl ketones—Part III.*

Meteorological Office Colloquium, Poona:

March 5th.—DR. K. R. RAMANATHAN: *Ozone and its distribution in the upper atmosphere.*

March 12th.—MR. C. RAMASWAMY: *On Deppermann's memoir on some characteristics of Philippine Typhoons.*

March 19th.—DR. S. K. BANERJI: *Criteria for stability of the atmosphere from Dynamical considerations.*

ERRATA

Vol. 9, No. 3, March 1940:—

- (1) Contribution entitled "Calcium Utilisation from Green Leafy Vegetables", p. 124, second column, first line: For "the skim milk", read "its".

- (2) Contribution entitled "Kostanecki Acylation of Orcacetophenone", page 118, lines 13 and 14: For "Orcacetophenone and its monomethyl ether on benzoylation gave", read "Orcacetophenone on benzoylation gave".