

- "League of Nations: Bulletin of Health Organisation," Vol. 6, No. 3.  
 "Medico-Surgical Suggestions," Vol. 6, No. 11.  
 "Nature," Vol. 140, Nos. 3547-50.  
 "Nagpur University Journal," Nos. 1 and 2.  
 "Russian Journal of General Chemistry," Vol. 69, Nos. 9-17.  
 "Review of Applied Mycology," Vol. 16, Nos. 9 and 10.  
 "Research and Progress," Vol. 3, No. 6.  
 "Science and Culture," Vol. 3, Nos. 4 and 5.  
 "Sky," Vol. 2, No. 1.

- "The Indian Trade Journal," Vol. 126, Nos. 1638-41.  
 "Transactions of the Faraday Society," Vol. 33, No. 199.

#### Catalogues.

- "Dextra Industrial X-Ray Unit" (Adam Hilger, Ltd., London).  
 "Catalogue No. 6" (Verlag von Gustav Fischer in Jena).  
 "Monthly List of Books on Natural History and Science" (Wheldon & Whesley).

## ACADEMIES AND SOCIETIES.

### National Institute of Sciences of India :

November 6, 1937 (Meeting held in the Physics Lecture Theatre, University Buildings, Delhi).—  
 M. ISHAQ: *The O-O-Band of OD*. T. S. WHEELER: *The theory of liquids*. H. S. PRUTHI AND E. S. NARAYANAN: *A study of the behaviour of some common varieties of sugarcane with reference to the attack of borers*. D. S. KOTHARI: *Joule-Thomson effect and adiabatic changes in degenerate gas*. B. RAMAMURTI: *The chemical fixation at low temperature and its significance in agriculture*. M. N. SAHA AND K. B. MATHUR: *The propagation of electromagnetic waves through the atmosphere*. B. N. SRIVASTAVA: *Joule-Thomson expansion of a non-degenerate gas*.

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### Indian Academy of Sciences:

November 1937. SECTION A.—S. R. SAVUR: *Evaluation of  $I_p (n - r, r + 1)$* . R. SAMUEL: *An Energetical Interpretation of the Semipolar Double Bond*.—Based on a number of experiments on the photo-dissociation of inorganic molecules, it is shown, that the essential features of the conception of a semi-polar bond can be retained as far as chemical reactivity is concerned, without introducing this second variety of covalency for such molecules. N. R. TAWDE AND D. D. DESAI: *Role of Argon in the Production of Swan Bands*.—A systematic study has been made of the intensity changes that take place in the Swan system by the gradual addition of argon to a discharge tube of 'H' pattern having a capillary tube and fitted with carbon electrodes. R. K. ASUNDI AND S. MUJTUBA KARIM: *On the Emission Spectrum of  $SiBr_4$* .—The spectrum is studied under different conditions of the flowing vapour and with condensed and uncondensed discharge. The nature of the spectrum undergoes certain radical changes under varying conditions of the flowing

vapour. R. D. DESAI AND S. A. HAMID: *Heterocyclic Compounds. Part V. Synthesis of 2-Methyl-6-ethyl-7-hydroxy-chromone and its Derivatives*.—Kostanecki reaction has been applied to 2:4-dihydroxy-5-ethylacetophenone to prepare 7-acetoxy-6-ethyl-3-acetyl-2-methyl chromone and its derivatives. S. CHOWLA: *On a Trigonometric Sum*. A. L. SUNDAR RAO: *Photo-decomposition and Absorption Spectrum of Potassium Permanganate*.—It is found that while photo-decomposition increases slightly with frequency, there is no strongly selective wave-length.

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SECTION B.—S. A. AKTHAR: *Report on Some Nematode Parasites of Kabul, with description of New Species*.—One new species of the genus *Ascardia* Dujardin, 1845, one of the genus *Subulura* Molin, 1860, and one of the genus *Tachygonetria* Wedl, 1862, have been described. MAKUND BEHARI LAL: *Studies on the Trematode Parasites of Birds*.—Two new forms coming under the sub-family Bilharziellinae Price, 1929, have been described; owing to certain peculiar characters presented by them, an emendment of the sub-family diagnosis is necessitated. N. KESHAVA PANIKKAR AND R. GOPALA AIYAR: *The Brackish-water Fauna of Madras*.—Observations concerning 92 species of invertebrates and 50 species of vertebrates inhabiting the brackish-waters of the City of Madras, have been reported.

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### Meteorological Office Colloquium, Poona:

November 9 and 16, 1937.—DR. C. W. B. NORMAND: "Morqule's work on the theory of storms":—He explained how the main results regarding energy changes can be obtained graphically by the use of indicator diagrams like tephigrams.

## Errata.

Vol. VI, No. 5, November 1937.

(1) Contribution entitled "The Thermodynamics of Duststorms":

Page 211, Column 1, line 52, for "15 hours 38 minutes" read "15 hours 15 minutes".

(2) Contribution entitled "A Convenient and Rapid Method for Determining Compressibilities of Gases and Vapours":

Page 214, Column 2, last line, for "<sup>2</sup> K. L. Ramaswamy, *ibid.*, 1936, 4, 108-33" read "<sup>2</sup> K. L. Ramaswamy, *Proc. Ind. Acad. Sci., A*, 1936".

(3) Contribution entitled "An Indirect Method of Estimating Cocaine in Mixtures of Cocaine and Novocaine":

Page 220, Column 1, line 17, for "Sodium nitrate" read "Sodium nitrite".