

'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 WHIFFER *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*

### 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<sub>2</sub> pattern having a capillary tube and fitted with carbon electrodes R K ASUNDI AND S MUITUBA KARIM *On the Emission Spectrum of  $SbBr_4$*  — 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 5 ethyl 7 hydroxy chromone and its Derivatives* — Kostanecki reaction has been applied to 2 4 dihydroxy 5 ethylacetophenone to prepare 7 acetoxyl 6 ethyl 3 acetyl 2 methyl chromone and its derivatives S CHOWLA *On a Trigonometric Sum* A I 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 AKTHAP *Report on Some Nematode Parasites of Kabul, with description of New Species* One new species of the genus *Isocardia* Dujardin 1845 one of the genus *Subulura* Mohr 1860 and one of the genus, *Tachyponetria* Wedl, 1862 have been described MAHEND BEHARI LAI *Studies on the Nematode 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 KISHAVA 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 *Morgule'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 Rama swamy *ibid*, 1936 4, 108-33 read "<sup>2</sup> K L Rama swamy *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