

- "Agriculture and Live-Stock in India," Vol. 8, No. 6.
 "The Philippine Agriculturist," Vol. 28, No. 7.
 "Journal of the Royal Society of Arts," Vol. 86, Nos. 4488-91.
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 "Journal of the Indian Botanical Society," Vol. 17, No. 5.
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 "Transactions of the Faraday Society," Vol. 34, No. 212.
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 "Bulletin of the American Meteorological Society," Vol. 19, No. 7.
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Catalogues

- "Monthly List of Books on Natural History and Science," December 1938. Messrs. Wheldon & Wesley, Ltd., London.
 "Diffusion Pumps for the Production of High Vacua," W. Edward & Company, London.
 List of Publications issued by the International Institute of Agriculture (October 1938).

ACADEMIES AND SOCIETIES

National Academy of Sciences, India:

December 17, 1938. A. C. BANNERJI AND MOHID, N. L. A. MURDIN: Jupiter Atmosphere. B. P. PANDI: On the trematode genus *Lypersomum* Loos, 1939. (Dicrocoelidae) with a description of two new species from India. B. P. PANDE: Two new species of trematodes from *Anhinga melanogaster*, the Indian Darter or Snake-bird. S. N. BANERJI AND S. GHOSH: Changes in the viscosity of agar sol with concentration. JAGRAJ BHABH LAI: Constitution of Santalin. R. R. RAIPAI AND B. D. PANT: Further studies of the F region at Allahabad. A. B. SEN: Migration of para-halogen atom in a derivative of meta-cresol.

Indian Chemical Society:

October 1938. JAMNAT V. LAKHANI AND RUDOLPH P. DAROGA: The Determination of the Parachors of Inorganic Salts in Solutions and their Structure. Part II. Some Lithium, Sodium, Rubidium Salts and Atomic Parachors of the above Elements including Cesium. K. GANAPATI: The Chemotherapy of Bacterial Infections. Part I. Synthesis of Some Derivatives of Sulphanilamide. MAHADEO PRASAD GUPTA AND SIKHINDRIAN DUTT: Chemical Examination of the Seeds of *Cleome viscosa*, Linn. Part I. The Constituents. DINESH CHANDRA SEN: Studies in the Camphor Series. Part V. Some Derivatives of *iso*-Nitrosacamphor. N. R. DHAR AND S. K. MUKERJEE: New Aspects of Nitrogen Fixation and Conservation in the Soil. N. C. SEN GUPTA: On the Physico-Chemical Properties of Indian Bentonites. Part I. B. N. GHOSH AND D. K. CHOWDHURY: Enzymes in Snake Venom.

Meteorological Office Colloquium, Poona:

December 1938.—C. W. B. NORMAND: On Soaring and Gliding Flight. S. K. BANERJI: Relationship between upper wind velocity and temperature. A. K. ROY: On forecasting of weather in South Bengal during the Nor'wester season mid-March to mid-May. M. W.

CHITLONKAR: On brightness of the Zenith sky at twilight and its relation to upper air temperatures.

The Indian Botanical Society:

December 1938.—L. M. GHOSH, S. GHOSH, N. R. CHATTERJEE AND A. T. DUTT: Actinomyces: Their Biochemical reactions as aids in their classification—Part I. Reduction of Nitrates. A. B. SARAN: A short note on the rate of respiration and respiratory quotient of starved leaves of *Aralia* sp. before and after a course in nitrogen. M. J. THIRUMALACHAR: On the morphology, cytology and parasitism of *Uromyces* *Hobsoni* Vize (U. Cunninghamianus Barc), A preliminary note. M. S. MURDIA: Cytological studies of certain members of the family Saprolegniaceae—Part I. L. P. KHANNA: On two species of *Anthoceros* from China. K. R. RAMANATHAN: On a form of Anabænosis from Madras. C. BHASHYAKARLA RAO: The Zygomoidæ of the Central Provinces, India—I. V. B. SHUKLA: On a new species of *Dadoxylon*, *D. Deccani*, sp. nov., from the Deccan Intertrappean Series. R. N. SINGH: The Zygomoidæ of the United Provinces, India—II.

The Entomological Society of India:

November 9, 1938.—H. R. BHALLA: On *Sylepta derogata* Fab., the Cotton Leaf Roller.—The author describes in detail its bionomics and control. For successful control the following measures were recommended: (1) eradication of ratoon cotton and other alternative host plants such as *Hibiscus esculentus*; *Althea rosea*; *Abutilon indicum*; *Malvestrum tricuspidatum*; *Urina lobata* and *Malva parviflora*, (2) Hand picking, (3) dusting the infested crop with sodium fluosilicate or Paris green, in the ratio of 1 : 8, (4) destruction of the shed material, and (5) ploughing the infested fields with furrow turning plough during January and February in order to bury the hibernating caterpillars,