

"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.

"L'Agricoltura Coloniale," Vol. 31, No. 10.

"Biochemical Journal," Vol. 32, Nos. 11 and 12.

"Journal of the Indian Botanical Society," Vol. 17, No. 5.

"Journal de Chemie Physique," Vol. 35, No. 10.

"Chemical Age," Vol. 39, Nos. 1013-16.

"Transactions of the Faraday Society," Vol. 34, No. 212.

"Indian Forester," Vol. 55, No. 1.

"Forschungen und Fortschritte," Vol. 14, Nos. 34-36.

"Bulletin of the American Meteorological Society," Vol. 19, No. 7.

"Calcutta Medical Journal," Vol. 34, No. 6; and Vol. 35, No. 1.

"Review of Applied Mycology," Vol. 17, No. 12.

"American Museum of Natural History," Vol. 32, No. 5.

"Bombay Natural History," Vol. 40, No. 3.

"Nature," Vol. 142, Nos. 3604-07.

"Indian Journal of Physics," Vol. 12, No. 5.

"Journal of Research (National Bureau of Standards)," Vol. 20, Nos. 1-5.

"Ceylon Journal of Science," Vol. 6, Sec. C.

"Science Forum," Vol. 3, No. 2.

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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 MOHD. NIZAMUDDIN: *Jupiter Atmosphere*. B. P. PANDE: *On the trematode genus Lypersomum Looss, 1939, (Dicrocoelidae) with a description of two new species from India*. B. P. PANDE: *Two new species of trematodes from Anhinga malenogaster, the Indian Darter or Snake-bird*. S. N. BANERJI AND S. GHOSH: *Changes in the viscosity of agar sol with concentration*. JAGRAJ BEHARI LAL: *Constitution of Santalin*. R. R. BAJPAI 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.—JAMIAT V. LAKHANI AND RUSTOM 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 Cæsium*. K. GANAPATI: *The Chemotherapy of Bacterial Infections—Part I. Synthesis of Some Derivatives of Sulphanilamide*. MAHADEO PRASAD GUPTA AND SIKHIBHUSHAN DUTT: *Chemical Examination of the Seeds of Cleome viscosa, Linn.—Part I. The Constituents*. DINES CHANDRA SEN: *Studies in the Camphor Series. Part V—Some Derivatives of iso-Nitrosocamphor*. N. R. DHAR AND S. K. MUKERJI: *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.

CHIPLONKAR: *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 Zygnemoideæ 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 Zygnemoideæ 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.