

Obituary Notices

SIR J. C. BOSE

By the death of Sir Jagadish Chandra Bose, F.R.S., D.Sc., LL.D., at Giridih on Tuesday, the 23rd of November, 1937 at the age of 79, the scientific world has lost a research worker and an original investigator of a very high order. After graduating at St. Xavier's College, Calcutta, he went over to England for higher studies, and joined the University College, London, where he studied Botany as his special subject. He also studied Physics under Lord Rayleigh at Cambridge. He came back to India in 1884 and was appointed as Professor of Physics, Presidency College, Calcutta from which he retired in 1915 as Emeritus Professor. Many universities in Great Britain and India recognised his scientific abilities and paid him academic honours. He was awarded the C.I.E. and C.S.I. and in 1917 received Knighthood.

He was a delegate to the International Scientific Congress held in 1900 and also the scientific member of deputation to Europe and America in 1907, 1914 and 1919.

He published numerous papers among which a few can be mentioned below:—

- (1) Index of Refraction of Glass for the Electric Ray. (Proc. Roy. Soc., 1897.)
- (2) On the Influence of Thickness of Air Space on Total Refraction of Electric Radiation. (Proc. Roy. Soc., 1897.)
- (3) On the Selective Conductivity Exhibited by certain Polarising Substances. (Proc. Roy. Soc., 1897.)
- (4) The Production of a Dark Cross in the Field of Electromagnetic Radiation. (Proc. Roy. Soc., 1898.)
- (5) On the Electric Touch and the Molecular Change produced in Matter by Electric Waves. (Proc. Roy. Soc., 1900.)
- (6) On the Similarity between Radiation and Mechanical Strain. (Proc. Roy. Soc., 1901.)
- (7) On the Strain Theory of Photographic Action. (Proc. Roy. Soc., 1901.)
- (8) On the Change of Conductivity of Metallic Particles under Cyclic Electromotive Variation. (Brit. Assoc. Glasgow, 1901.)
- (9) Electromotive Wave accompanying Mechanical Disturbance in Metals in Contact with Electrolyte. (Proc. Roy. Soc., 1902.)
- (10) On the Continuity of Effect of Light and Electric Radiation on Matter.

Besides, he was the author of a large number of papers on Plant Physiology. A connected account of his investigation in this domain is to be found in his books, *Response in the Living and the Non-living* published as early as 1902, as well as in *Plant Response*, *Electro-Physiology of Plants*, *Irritability of Plants*; *Life Movements in Plants*, Vols. I and II; *Life Movements in Plants*, Vols. III and IV; *the Ascent of Sap*, *the Physiology of Photo-Synthesis*; *Nervous Mechanism of Plants*; *Motor Mechanism of Plants*; *Plant Autographs and their Revelations*; *Tropic Movement and Growth of Plants*.

After his retirement from the Government service he founded the Bose Research Institute in 1917 and was the Founder Director all the time.

PROF. LALJI SRIVASTAVA.

We extremely regret to record the death of Prof. Lalji Srivastava. He was a member of the Indian Association for the Cultivation of Science and a Professor of the Ajmere College, Rajputana.