Literary Intelligence.—Prof. Albert Einstein will shortly publish with the Cambridge University Press a new book for general readers entitled *The Evolution of Physics: The Growth of Ideas from the Early Concepts to Relativity and Quanta.* His collaborator is Dr. L. Infeld. The book describes the history of classical and modern physics since Galileo and Newton; it is written to make comprehensible to the layman, by following again the natural stages of thought in history, the present position in physics. It does in fact lead up to Einstein's own account of the great discovery of relativity. It is not the less serious and authoritative because it is addressed to those who are not physicists.

This important book, it is announced, is to be the first in a series, the Cambridge Library of Modern Science, planned by the Syndics of the University Press, to bring before the world in general explanations by great scientists of the state of discovery and theory in science at the present day.

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We acknowledge with thanks, receipt of the following:—

"Agricultural Gazette of New South Wales," Vol. 49, No. 2.
"Journal of Agricultural Research," Vol. 55, No. 10.
"Agriculture and Livestock in India," Vol. 8, No. 1.
"American Museum of Natural History," Vol. 41, No. 2.
"The Philippine Agriculturist," Vol. 26, No. 9.
"Biochemical Journal", Vol. 32, No. 1.
"Berichte der Deutschen Chemischen Gesellschaft," Vol. 71, No. 2.
"Bulletin of Health Organisation (League of Nations)," Vol. 6, No. 6.
"Chemical Age," Vol. 38, Nos. 970-72.
Calcutta Medical Journal," Vol. 33, No. 2.
"Communications from the Kamerling Onnes Laboratory," Nos. 241-47.
"Current Titles from Engineering Journals," Vol. 2, No. 1.
"Experiment Station Record," Vol. 78, No. 1.
"Forschungen und Fortschritte," Vol. 14, Nos. 4 and 5.
"Transactions of the Faraday Society," Vol. 34, No. 202.
"Indian Journal of Physics," Vol. 11, No. 6.
"Journal of the Royal Society of Arts," Vol. 86, Nos. 4445.
"Journal of the Indian Botanical Society," Vol. 17, No. 1.
"Journal of the Institute of Brewing," Vol. 35, No. 2.
"Journal of Chemical Physics," Vol. 6, No. 2.
"Journal of the Indian Chemical Society," Vol. 14, No. 12.
"Journal de Chemie Physique," Vol. 34, No. 12.
"Journal of the Mining and Geological Institute of India," Vol. 33, Pt. 3.
"Journal of the Mining, Geological and Metallurgical Society of India," Vol. 9, Nos. 1-4.
"Journal of Nutrition," Vol. 15, No. 2.
"Journal of Research (National Bureau of Standards)," Vol. 19, No. 5.
"Medico-Surgical Suggestions," Vol. 7, No. 2.
"Nature," Vol. 141, Nos. 3561-63.
"Sky," Vol. 2, No. 4.
"Indian Trade Journal," Vol. 128, Nos. 1652-54.

Catalogue.

"Annual Table of Constants," Paris, No. 1, 1937.

ACADEMIES AND SOCIETIES.

Indian Academy of Sciences:

February 1938. SECTION A.—K. NAGABHUSHANA RAO: *Theory of the Indian Musical Drums—Part I.*—The normal modes of vibration of a symmetrically loaded membrane, in which the surface density varies in inverse proportion to the radius, are discussed. The first four modes with nodal diameters only form an approximate harmonic sequence. A more widely distributed load should be necessary to reproduce completely the observations. P. L. BHATNAGAR: *On the Summability of the Conjugate Series of Fourier Series.* R. S. KRISHNAN: *Reciprocity Theorem in Colloid Optics. (Case of Oriented Particles.)*—The reciprocity relation is valid for the case of oriented non-spherical particles only if they are free to rotate about an axis perpendicular to the plane containing the incident beam and the direction of observation, or if, in the aggregate, they have random distribution in this plane. R. S. KRISHNAN: *Studies on Light-scattering in Emulsions:—Part I Dilute Simple Emulsions.*—It is shown that the droplets in dilute emulsions are spherical in shape and that the observed finite values of ρ_v and ρ_h are due to the existence of depolarised secondary scattering. B. R. SETH: *Transverse Waves in Canals.* G. V. L. NARASIMHA MURTY: *Colorimetric Estimation of Nitrate in the Presence of Nitrite.*—A method has been developed in which urea is employed for destroying nitrates. K. S. GURURAJA DOSS AND B. SANJIVA RAO: *A Theory of Contact Angles.*—The importance of adsorption in determining the contact angle is considered.—T. VENKATARAYUDU: *Ideal Theory of the Abelian Group-Algebra.* N. K. JOSHI AND S. C. DEVADATTA: *Studies in Three Component Systems:—Part I.—Systems Composed of Sulphuric Acid, Water and either Zinc Sulphate or Magnesium Sulphate.*—It is not possible to substantiate the claims of various workers for hydrates intermediate between the hexa and mono. *Part II: The System Composed of Zinc Sulphate, Magnesium Sulphate and Water.* C. S. VENKATESWARAN: *The Raman Spectra of Some Inorganic Compounds.*—Te $(OH)_6$ is shown

to be octahedral, CrO_4'', MoO_4'', WO_4'' and IO_4' ions as tetrahedral, ClO_3' and BrO_3' ions as pyramidal, and N_3 as linear and unsymmetrical in structure. A. NARASINGA RAO: *Through a Railway Window.*—The apparent twisting and writhing of a landscape as seen by a moving observer is described in the language of mathematics.

February 1938. SECTION B.—CAETANO CORREIA DE MEYRELLES: *Parasites of the Genus* Bertarellia *in the Blood of the Tortoises of India and Brazil.*—The three specimens of *Bertarellia* found in *Emyda granosa*, *Chelonia midas* and *Caretta-caretta*, appear to belong to the same species, and differ from *Bertarellia calotis*. It is designated *Bertarella carinii* n.sp. B. P. PANDE: *The Trematode Genus* Allocreadium *in North Indian Fresh-water Fishes.*—Two new species of *Allocreadium* obtained from *Gobius guiris* and *Barbus chilinoides* are described. T. P. VANAJAKSHI: *Histology of the Digestive Tract of* Saccobranchus fossilis *and* Macrones vittatus.—A detailed account of the structure of the digestive tract, based on studies of sections with details of gross anatomy for fresh material. M. K. SUBRAMANIAM: *Studies on the Structure of the Golgi Apparatus—II: Liver Cells of* Rhacophorus Maculatus Gray.—The hypothesis previously put forward regarding the probable mode of evolution of the network-like Golgi apparatus of vertebrate somatic cells from the discrete Golgi bodies of invertebrates, has been verified in the case of the liver cells of *Rhacophorus*. I. FROILANO DE MELLO AND LUIS LOBO: *On the Morphology and Identification of a Trypanosome found in the Blood of* Hemidactylus brooki *Gray.*

Indian Botanical Society:

March 1938.—A. B. SARAN: *A Note on Wounding of the Leaves of* Anacardium occidentale *Linn. at Different Stages of their Developments and its Effect on Respiration.* S. R. BOSE: *The Effect of Radiation on some* Polypores *in Culture.*

Indian Chemical Society:

December 1937.—SALIMUZZAMAN SIDDIQUI: *The Constituents of* Didymo-carpus Pedicellata.—*Part I: Isolation of a New Series of Colouring Matters.* SISIR KUMAR GUHA: *Studies in Indigoid Dyes—Part II.* TEJENDRA NATH GHOSH: *Quinoline Derivatives.—Part III.* R. C. SHAH, S. M. SETHNA, BHAVANI CHARAN BANERJEE AND DUHKHAHARAN CHAKRAVARTI: *Pechmann's Condensation of Methyl β-Resorcylate and β-Resorcylic Acid with Ethyl Acetoacelate.* BAIDYANATH GHOSH AND B. C. GUHA: *Ascorbic Acid Oxidase from the White Gourd* (Benincasacriapra). DUHKHAHARAN CHAKRAVARTI AND SAILENDRA MOHON MUKHERJEE: *Synthesis of Coumarins from Phenols and Acetoacetic Esters. Constitution of Halogenated Resorcins and Orcins.* A. K. CHOUDHURY, P. DAS GUPTA AND U. BASU: *Studies on Sulphonamides.* N. L. PHALNIKAR AND K. S. NARGUND: *Influence of α-Phenyl Group in Three Carbon Tautomerism—Part I: Tautomerism of α-Phenyl-αβ-, βγ-unsaturated Acid and Esters.* S. S. DE AND B. N. GHOSH: *Studies in Adsorption of the Neurotoxin and Hæmolysin of Cobra* (Naja naja) *Venom by Various Adsorbents at different pH with a View to their Isolation.*

Errata.

Vol. VI, No. 6, *December* 1937.

Contribution entitled "*Cyclo*pentyl and *Cyclo*hexyl Succinic Acid and Resolution of *Cyclo*pentyl Succinic Acid":—

P. 278, column 1, line 7, *for* "b.p. 166°/mm." *read* "b.p. 166°/5 mm."

P. 278, column 1, line 7, *for* "b.p. 168°/45 mm." *read* "b.p. 168°/4–5 mm."

Vol. VI, No. 7, *January* 1938.

Review entitled 'The Naming of Plants':—

P. 346, *for* "(Chapman & Hall, Ltd., London)", *read* "(Edward Arnold & Co., London)".

P. 347, Review on "Polymerization and Its Technical Applications":—

Line 3, *for* "Reinhold Publishing Corporations, 1937, pp. 312 Price $ 7·50" *read* "Reinhold Publishing Corporation, New York, U.S.A., Chapman & Hall, Ltd., London, 1937, pp. 312. Price $ 7·50".

Vol. VI, No. 8, *February* 1938.

Contribution entitled "*Eupelmus tachardiæ* How., and the Lac Insect":—

P. 387, line 34, *for* "it" *read* "lac".

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