

SIR JAGADIS CHANDRA BOSE, professor emeritus of physical science in the Presidency College, Calcutta, founder and director of the Bose Research Institute, which was established in 1915, died on November 23 at the age of seventy-nine years.

Nature reports the death of Herbert William England, who had for nearly forty years been in charge of the departmental library of the Zoological Department of the British Museum (Natural History), on October 30 at the age of fifty-five years; and of Professor J. B. Senderens, correspondent of the section of chemistry of the Paris Academy of Sciences and honorary fellow of the British Chemical Society, aged eighty-one years.

DR. VLADIMIR NIKOLAEVITCH LUBIMENKO, noted plant physiologist at the Principal Botanical Garden, Leningrad, died on September 14. A correspondent writes: "His contributions on the nature of chlorophyll, the transformation of the pigments in plastids of living cells and photosynthesis brought him recognition throughout the world. He was a member of the Academy of Science of the USSR, of the Academy of Science of the Ukraine, member of various foreign societies devoted to botanical science and a corresponding member of the American Society of Plant Physiologists. Up to an hour before his death he had been engaged in writing at his desk. He was born on January 18, 1863."

SCIENTIFIC EVENTS

THE INTERNATIONAL CONGRESS OF ANTHROPOLOGY AND ETHNOLOGY

THE second session of the International Congress of Anthropology and Ethnology will meet in Copenhagen under the presidency of Dr. Frans Blom, director of the department of Middle American Research at Tulane University of Louisiana, from August 1 to 6, 1938. On this occasion the new National Museum will be opened by the King of Denmark and Iceland. Of special interest will be the Knud Rasmussen Eskimo collections, said to be the finest in the world. These have never been shown before. Special exhibits will be made of North, Central and South American collections, such as North American Indian costumes and weapons, Mexican mosaics on wood, collections from Guatemala and Honduras, the famous Lagoa Santa skulls from Brazil. Furthermore, there will be an opportunity to inspect the original Icelandic manuscripts relating to the early discovery of America by Leif Eriksen and other explorers.

The program will be as follows:

Physical Anthropology: (a) Anatomical and biotypological anthropology. Mutual relations—Inter-relations and affinities of fossil man; Methodology: The conception of the "race" in anthropology. (b) Physiological and hereditary anthropology. Geographical propagation of human blood types and their presence in the animal kingdom.

Psychology: Influence of civilization factors on character; general discussion with Sections B and F on the subject of cultural changes.

Demography: Population movements seen especially from the view of birth and mortality.

Ethnology: (a) Ethnography and folk-lore of Asia. Together with Sections E (a) and E (b): The nomadic-pastoral peoples of Asia and Africa. (b) African Ethnography. See Section E (a). (c) American Ethnography. The inter-relation between the Central American

civilizations and those of North and South America. (d) Oceanic Ethnography. The cultural relations between Oceania and Southeast Asia. (e) Arctic Ethnography. Pre-historic and historic currents of civilization in the Circum-Polar regions. (f) European Ethnography and Folk-Lore. Beliefs and customs concerning the agricultural year.

Sociology and Religion: In what measure can archeology and pre-history serve as a basis for the study of intellectual culture? Joint discussions of Sections F and B on the subject of cultural changes.

Linguistics and Writing: Standardization of indigenous languages; formation of common languages—Creole languages and civilized languages spoken by indigenous peoples.

THE INSTITUTE OF CERAMIC ENGINEERS OF THE AMERICAN CERAMIC SOCIETY

THE Institute of Ceramic Engineers now in process of formation will receive applications for membership late in February. At an informal gathering of engineers during the annual meeting of the society in New York City, March, 1937, various methods of organizing the new institute were discussed. A committee was named, consisting of J. L. Caruthers, *chairman*, R. E. Birch, C. M. Dodd, E. H. Fritz and H. E. White, to recommend a method of organization. Also, the committee was asked to canvass the membership of the society to determine (1) how many members would be interested, and (2) what type of by-laws in regard to membership grades and qualifications would be desirable.

More than 330 members of the society answered a questionnaire sent out by the committee, over 280 expressing a desire to belong to the institute. The principal recommendations of the committee follow:

1. That the organization of the institute be started immediately.
2. That the following plan of organization be used:

The institute to be initiated by certain members of the society who will form a group to be known as the Founders' Group; members who are eligible to make application for membership in the Founders' Group shall have the following qualifications: he shall be a graduate of a recognized ceramic engineering school; he shall have been actively and continuously engaged in the practice of ceramic engineering for ten years or more since the completion of his basic collegiate engineering work; he shall be a member in good standing in the American Ceramic Society.

3. That the membership rules should make provision for the admission of the following persons, if qualified, all of whom must be engaged in ceramic engineering work: graduate ceramic engineers; graduate engineers originally trained in other fields of engineering; other persons who by self-education and experience can qualify as ceramic engineers.

Recommendations No. 1 and No. 2 were adopted by the board and No. 3, as well as several other minor recommendations regarding committees, etc., were adopted in principle.

The Institute of Ceramic Engineers will be somewhat different from some of the other engineering societies, in that there will not be any grade of membership open to those with only an interest in ceramic engineering. The entire membership will consist of ceramic engineers and other engineers engaged in ceramic engineering work. The first meeting will be held during the annual meeting of the American Ceramic Society in New Orleans from March 27 to April 2, 1938.

PERMANENT SCIENCE FUND OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES

INCOME from the Permanent Science Fund, according to agreement and declaration of trust, shall be applied by the American Academy of Arts and Sciences to such scientific research as shall be selected "... in such sciences as Mathematics, Physics, Chemistry, Astronomy, Geology and Geography, Zoology, Botany, Anthropology, Psychology, Sociology and Economy, History and Philology, Engineering, Medicine and Surgery, Agriculture, Manufacturing and Commerce, Education, and any other science of any nature or description whether or not now known or now recognized as scientific; and may be applied to or through public or private associations, societies, or institutions, whether incorporated or not, or through one or more individuals."

Applications for grants under this indenture are considered by a committee of this academy on stated dates only. The next such meeting will be to consider applications received in proper order on blank forms furnished by the committee on March 1, 1938. Correspondence, including requests for application blanks, should be addressed to the Chairman of the Committee

on the Permanent Science Fund, Professor John W. M. Bunker, Massachusetts Institute of Technology, Cambridge, Mass.

Grants-in-aid from this fund were voted by the academy on November 10, 1937, as follows:

Professor Charles Chupp, Cornell University, \$400, to aid in finishing a monograph of the fungous genus *Cercospora*.

Dr. Willi M. Cohn, research lecturer, University of California, \$150, to be used in printing—in the *Astro-physical Journal*—the results obtained on the polarization of the solar corona in the 1932 and 1934 eclipse expeditions.

Professor Ada R. Hall and Helen W. Kaan, Wellesley College, \$59, to assist in a histological investigation of the development of thyroid glands in rat embryos.

Professor Robert S. Harris, Massachusetts Institute of Technology, \$300, for the purchase of mothers' milk, to be used in an investigation of (a) the chemistry of the casein; (b) the antirachitic properties.

Dr. Francis R. Hunter, Rhode Island State College, \$250, toward the purchase of a Barcroft-Warburg Micro-Respirometer, to be used in a comparative study of respiration and permeability.

Professor Walter Landauer, Storrs Agricultural Experiment Station, \$150, for the purchase of an analytical balance to be used in connection with a quantitative study of growth in lethal embryos of Creeper and Cornish fowl.

Dr. Clarence C. Little, director, Roscoe B. Jackson Memorial Laboratory, \$1,000, to be used to study the incidence of tumors and other growth abnormalities in a species cross in mice.

Dr. Karl E. Mason, Vanderbilt University School of Medicine, \$500, for technical assistance in the development and standardization of reliable methods for the routine assay of food substances for their vitamin E content.

Professor Arthur F. Scott, Reed College, \$500, for the purchase of apparatus to be used in determinations of the atomic weights of beryllium and bismuth.

Drs. Kurt G. Stern and Abraham White, Yale University School of Medicine, \$400, to be used for the construction of equipment for the study of the homogeneity and certain physical properties of highly purified protein preparations and protein derivatives.

Dr. John H. Welsh, Harvard University, \$200, to enable him, during his sabbatical leave, to visit the laboratories of Professor Koller at Kiel, and Professor Hanström at Lund.

Professor William F. Windle, Northwestern University Medical School, \$500, for employing the services of a trained laboratory assistant in a study of neurological factors in the development of foetal respiration, and other general problems of foetal behavior.

THE NEWLY ELECTED FELLOWS AND CORRESPONDENTS OF THE GEO- LOGICAL SOCIETY, LONDON¹

At its meeting on November 3, the Geological Society, London, elected as foreign fellows Dr. W. A.

¹ From *Nature*.