

300 a year for three years); Group II, for works apprentices who have obtained the Ordinary National Certificate in a textile or equivalent subject (£225-300 a year for four years); and Group III for secondary school leavers possessing the Higher School Certificate or equivalent qualification (£200-250 a year for three years). The courses to be followed will be in textile engineering, or mechanical engineering, or textile technology, or economics. A small number of scholarships (Group IV, £300-350 a year for three years) will also be offered to honours graduates in science or engineering in order to attract suitable workers into the textile machinery industry or the textile industry. The Trustees are also empowered to award one or more research fellowships which will enable a selected candidate from any of the groups I to IV to continue in advanced study and research for a further period of two, three or four years, with grants of £400-550 a year.

During the first year of the scheme the following awards will be offered: five in Group I; three in Group II; two in Group III; one in Group IV. In succeeding years further awards will be offered of which due notice will be given. In deciding on the scale of assistance to be given under the scheme, the directors of Textile Machinery Makers, Ltd., have been guided by two main considerations: (1) compensation for the sacrifice of freedom to engage in remunerative occupation; and (2) the desirability of enabling all scholars to play a full part in the social, athletic and other extra-curricular activities of university life. All undergraduate scholars will be required to live in one of the university halls of residence, provided there is accommodation available. The award of scholarships in Groups I and II is restricted to candidates nominated by the constituent companies of Textile Machinery Makers, Ltd. The scheme will come into operation for the university session commencing October 1945, and applications addressed to S. H. L. Greaves, Textile Machinery Makers, Ltd., 60 Huddersfield Road, Oldham, were to be submitted not later than June 23, 1945.

National Certificates in Applied Physics

THE announcement by the Ministry of Education of a scheme for the award of Ordinary and Higher National Certificates in Applied Physics brings to fruition one of the recommendations made in the Institute of Physics report on Education and Training issued in 1943. Students may obtain further particulars of the courses from their local technical colleges or local director of education. With a rapid growth of physics in industry and in the different Government services, it has been found that the existing courses in branches of engineering, in chemistry and so on do not singly provide the combination of knowledge required by juniors in some branches of work which depend on the advances of science, such as, for example, the physical testing of materials and the maintenance and use of instruments for the measurement and control of different processes.

The three-year part-time course for the Ordinary National Certificate in Applied Physics must include mathematics, physics and chemistry, and in the first year a special course (not the orthodox engineering one) in workshop practice and drawing. The physics in the course is to be treated realistically and the principles are whenever possible to be illustrated by practical examples drawn from the industries in which the

students are working. The course in applied physics in the final year is to be related to the local industries. Although English is not included formally as a subject in the course, it is a part of the scheme that at all stages and in all classes attention is to be paid to its correct use. It is hoped in this way to help to train students to present written statements which are clear and concise, when in the course of their employment they are required to report on their work. The course for the Higher National Certificate must be a two-year part-time one, and must aim at reaching a standard in the several branches of physics corresponding to that required for a degree in the subject at pass standard. It will include mathematics and a special subject related to the student's daily work in local industry.

Royal Asiatic Society of Bengal

AT the annual meeting of the Royal Asiatic Society of Bengal, the following medals and prize were awarded: Joy Gobind Law Memorial Medal, to Rai Bahadur Dr. S. L. Hora, director of fisheries, Bengal, in recognition of his conspicuously important contributions to our knowledge of the ichthyology of Asia; Paul Johannes Bruhl Memorial Medal, to Dr. N. L. Bor, formerly forest botanist, Imperial Forest Research Institute, Dehra Dun, for his important original research in the Gramineae and the ecology of Indian plants; Dr. Bimala Churn Law Gold Medal, to Dr. D. R. Bhandarkar, formerly Carmichael professor of ancient Indian history and culture, University of Calcutta, for his important contributions to ancient Indian history and archaeology; Sarat Chandra Roy Memorial Medal, to Dr. Verrier Elwin, of the Bhumiyan Seva Mandel, Patangarh, C.P., for his meritorious and many-sided contributions to the study of cultural anthropology of India; Elliott Prize for Scientific Research for 1944, to Dr. S. K. Chakrabarty, of the University College of Science and Technology, Calcutta (the Prize for 1944 was for mathematics).

The following officers were elected: *President*, Dr. Meghnad Saha; *General Secretary*, Dr. Kalidas Nag; *Treasurer*, K. P. Khaitan; *Philological Secretary*, Dr. Nalinaksha Dutt; *Joint Philological Secretary*, Dr. Mohammad Ishaque; *Natural History Secretaries*, Dr. S. L. Hora (Biology), Dr. K. N. Bagchi (Physical Science); *Anthropological Secretary*, Rev. W. G. Griffiths; *Historical and Archaeological Secretary*, Dr. B. C. Law; *Medical Secretary*, Dr. Indubhusan Basu; *Library Secretary*, Dr. Nalinaksha Dutt.

International Commission on Zoological Nomenclature

THE International Commission on Zoological Nomenclature announces its intention of publishing at an early date a revised and up-to-date edition (1) of the "International Code of Zoological Nomenclature" and (2) of the "Official List of Generic Names in Zoology". The last edition of the English text of "The International Code of Zoological Nomenclature" was published some years before the War and is now out of date for various reasons, including the adoption by the International Congress of Zoology of changes in some of the Articles in the International Code. The revised edition will consist of the substantive French text (on left-hand pages) and the English translation (on right-hand pages). The volume, which will be fully indexed, will also

contain a detailed analysis of all the "Opinions" so far rendered by the International Commission in regard to the interpretation of the provisions of the Code. "The Official List of Generic Names in Zoology" was established by the International Congress of Zoology at its meeting at Monaco in 1913 for the purpose of recording full particulars relating to the names of the 5,000-10,000 best-known and most important genera in the animal kingdom with their type species. So far, however, only about seven hundred names have been placed on the "Official List", due largely to the fact that the decisions taken by the International Commission have never hitherto been brought together in a single volume and with a full index. It is hoped that the "Official List" will now develop into a powerful instrument for stabilizing zoological nomenclature. It is hoped that its publication in book form will stimulate specialists to make proposals for the addition of other generic names important not only in systematic zoology but also in the applied sciences and in the teaching of zoology at the universities.

The International Commission is anxious to issue each of the above works at the lowest possible price, for it desires that both shall be within the financial means of every zoologist. This will only be possible if, before publication, the Commission is assured of a sufficient volume of immediate sales. Zoologists are accordingly invited at once to register themselves as prospective subscribers. As soon as the publication price has been fixed, a notification will be sent to all such subscribers, who will be granted a discount of 20 per cent on the publication price, provided that payment at the reduced rate is made to the Commission before the date of publication. All inquiries should be addressed to the International Commission on Zoological Nomenclature at its Publications Office, 41 Queen's Gate, London, S.W.7.

Globe Lightning

WHAT appears to have been a clear example of globe lightning has been described by Mr. B. E. Waye, "Larch Gates", Altwood Bailey, Maidenhead, Berks. He writes, "At about 2.20 a.m. on May 8, during the height of an intense thunderstorm, I observed a roughly circular orange glow, about the same apparent diameter as the sun, on the horizon, in a southerly direction. The glow was moving towards the west and was followed by a horizontal column of white vapour. It took about ten seconds to reach a point in the south-west, when it disappeared with a flash; the succeeding noise could not be distinguished with certainty from other claps of thunder."

Lady Tata Memorial Trust

THE trustees of the Lady Tata Memorial Fund announce that, on the recommendation of their Scientific Advisory Committee, they have made the following awards for research in blood diseases, with special reference to leukaemia, for the academic year beginning on October 1, 1945. *Grants for research expenses*: Dr. P. A. Gorer (London) and Dr. A. H. T. Robb-Smith (Oxford). *Personal grant*: Dr. Penelope K. Hammick (Oxford). *Part-time personal grant and grant for research expenses*: Dr. W. Jacobson (Cambridge). Since these awards do not fully use the margin of funds available, it is hoped to issue a public advertisement for new candidates from the continent of Europe and elsewhere, as soon as conditions permit.

Summer Schools in Health Education

THE Central Council for Health Education will conduct two summer schools in England this year. One will be residential, during August 4-13, at Kingsmoor School, Glossop, Derbyshire; the other will be non-residential, during August 15-29, at Chelsea Polytechnic, Manresa Road, Chelsea, London, S.W.3. The Glossop school will be directed by Mrs. F. A. Ogden, and the London school by Mr. L. J. F. Brimble. The schools are intended primarily for those who have to do with the training and care of children and young people—teachers, youth leaders, health visitors, school nurses, educational and medical administrators—but would also be of interest to general practitioners. The object of the schools is to review the principles of mental and physical health and development, to discuss the main health problems confronting the individual and the community, and to consider the methods of health education, including sex education. Those wishing to book accommodation or to be supplied with further details about the schools should write to the Medical Adviser and Secretary, Central Council for Health Education, Tavistock House, Tavistock Square, London, W.C.1. The Scottish Council for Health Education is holding a residential summer school at the University of St. Andrews during August 18-September 1. The directors of the school are Prof. Andrew F. Skinner, of the University of St. Andrews, and Prof. A. D. Peacock, of University College, Dundee. Courses and lectures will be given under the headings of physiology, psychology and social medicine. Further information concerning the Scottish school can be obtained from the Secretary and Treasurer, Scottish Council for Health Education, 3 Castle Street, Edinburgh, 2.

Announcements

UNDER the statute of the Royal Society which provides for the election of persons who either have rendered conspicuous service to the cause of science or are such that their election would be of signal benefit to the Society, the Right Hon. Sir John Anderson, Chancellor of the Exchequer, has been elected a fellow of the Society.

DURING his recent tour in Sweden to lecture on penicillin, under the auspices of the British Council and at the invitation of the Swedish Medical Society, Sir Howard Florey, professor of pathology in the University of Oxford, was presented with the Berzelius Medal in silver. This Medal was given to members of the Swedish royal family and certain other distinguished persons when it was instituted in 1850 but has not been awarded since that time.

SIR D'ARCY THOMPSON, professor of natural history in the University of St. Andrews, has been awarded the Daniel Giraud Elliot Medal for 1942 by the U.S. National Academy of Sciences. The Medal is awarded for distinguished work in some branch of zoology or palaeontology.

A CONFERENCE on "School and Society" will be held under the auspices of the Institute of Sociology at St. Hilda's College, Oxford, during July 26-August 3. The president of the conference will be Sir David Ross, whose presidential address is "The Challenge: the Present Crisis and the Needed Revolution". Further information concerning the conference can be obtained from the Hon. Organizer, Institute of Sociology, Le Play House, Albert Road South, Great Malvern, Worcestershire.