

essential features. First would be the development of self-respect. Second would come the stimulation of independent thought, and thirdly, closely allied to it, the fostering of the spirit of enterprise and imagination. Fourthly, the free man, in the circumstances of to-day, when all activities are becoming increasingly complex, must be able to work as a member of a team. In addition, many people would consider that to be truly free, a man needs the support of religion; one of the greatest reforms of the Education Act of 1944 was to secure for every schoolchild the opportunity for religious worship and religious instruction in school.

Institute of Information Scientists

AT a meeting held at the Institution of Electrical Engineers on January 23, which some 125 persons (mostly graduate information officers) attended, Dr. G. Malcolm Dyson took the chair, and opening speeches were made by Mr. J. Farradane (Tate and Lyle, Ltd.) and Mr. C. W. Hanson (British Scientific Instrument Research Association). The proposal "That a professional body be, and is hereby, set up to promote and maintain high standards in scientific and technical information work and to establish qualifications for those engaged in the profession" was carried. The new professional body has been named the Institute of Information Scientists, and a temporary working committee has been appointed to devise a constitution for approval by a later meeting, when the permanent officers will be elected. Further information about the Institute can be obtained from Mr. J. Farradane, "Torran", Crofton Road, Orpington, Kent.

International Instrument Show

THE International Instrument Show will be held in Caxton Hall, London, during the last week of March, opening on March 24. It is expected that more than sixty factories from ten countries will be participating, and their products will include a number of the latest technical achievements in the fields of printed circuits, ultra-violet television microscopy, electron paramagnetic-resonance spectroscopy and telemetry. This year greater emphasis has been placed on the attendance of factory engineers. Normal day opening hours will be from 10.30 a.m. to 6.30 p.m., but to facilitate the attendance of parties of students and apprentices, the show will remain open until 9 p.m. on March 26 and also until 12 noon on the following Saturday morning. Admission is free to *bona fide* applicants. Tickets are available from the sponsors, B. and K. Laboratories, Ltd., 57 Union Street, London, S.E.1.

Humphry Davy Lectures

THE London Section of the Royal Institute of Chemistry is sponsoring a new series of lectures, to be called the Humphry Davy Lectures. The first, entitled "Purity and Purification of Chemical Substances", will be given by Prof. Arne Tiselius (University of Uppsala) at the Royal Institution, 21 Albemarle Street, London, W.1, on February 19 at 6.30 p.m. The chair will be taken by the president of the Royal Institute of Chemistry, Prof. W. Wardlaw.

Dr. W. J. Jongmans

PROF. JOHN WALTON, of the University of Glasgow, writes: The obituary notice by Alan Wesley which

appeared in *Nature* on January 18 gave an interesting account of the work of Dr. Jongmans, but it should also be recorded that Jongmans was largely responsible for organizing the very successful and memorable series of congresses on Carboniferous stratigraphy held at Heerlen in 1927, 1935 and 1951. The idea of holding such a Congress was the result of conversations between Jongmans, Prof. Armand Renier and Prof. Walther Gothan. Jongmans, however, was responsible for practically all the organization and the editing of the voluminous *Comptes Rendus*. The congresses brought together those interested in Carboniferous geology from many parts of the world and the delegates received much hospitality from the City of Heerlen and the State Mines. In 1938 the University of Glasgow conferred on Jongmans the honorary degree of LL.D.

Dose-Rate Effects in Radiation-induced Chemical Reactions

REFERRING to this article by Dr. H. C. Sutton and Prof. J. Rotblat (*Nature*, 180, 1332; 1957), Mr. J. P. Keene (Physics Research Department, Christie Hospital and Holt Radium Institute, Withington, Manchester 20) writes: "I have already published (*Rad. Res.*, 6, 424; 1957) an account of some measurements of G^{Fe} at 10^{10} rads/sec. The value obtained was 14.3, which is probably not significantly different from the value of 15.45 obtained by Schuler and Allen (*J. Chem. Phys.*, 24, 56; 1956) for dose-rates in the range 10^2 - 10^3 rads/sec., and values in the region of 15 obtained by other workers at lower dose-rates. Thus we may conclude that most of the fall in the ratio G^{Fe}/G^{Ce} , due to electron irradiation in the range 10^2 - 10^{10} rads/sec. observed by Sutton and Rotblat was in fact due to an increase in G^{Ce} ".

Announcements

DR. G. E. R. DEACON, director of the National Institute of Oceanography since its foundation in 1949, has been elected a foreign member of the Swedish Royal Academy of Sciences.

DR. DETLEV W. BRONK, president of the U.S. National Academy of Sciences and also president of the Rockefeller Institute for Medical Research, has been awarded the Gold Medal of the International Benjamin Franklin Society.

A CONFERENCE on "Fundamental Aspects of the Dehydration of Foodstuffs" will be held at the University of Aberdeen during March 25-27. Further information can be obtained from the Assistant Secretary, Society of Chemical Industry, 14 Belgrave Square, London, S.W.1.

THE Institution of Electrical Engineers Faraday Lecture for 1957-58 will be given at the Central Hall, Westminster, at 6 p.m. on February 12. The subject will be "The Electrification of Railways". The Lecture was prepared by the late Mr. G. H. Fletcher and will be delivered by Mr. R. Ledger. Admission is free, by ticket obtainable from the Institution of Electrical Engineers, Savoy Place, London, W.C.2.

THE title of the book by L. Saunders and R. Fleming noticed in *Nature* of January 18, p. 147, was given incorrectly: it should read "Mathematics and Statistics for Use in Pharmacy, Biology and Chemistry".