

receipt of papers is not always given. A more uniform lettering of the illustrations might also receive attention, and the adoption of a bold face type for the volume numbers in the lists of references would add to the ease of reading. These criticisms are, however, minor and are points which will probably be dealt with as the journal becomes more mature. The periodical certainly fills a need, and should serve, as the editors point out, actually to help to counteract undue subdivision in physiology by bringing together in one journal many divergent investigations on the nervous system.

### Social Applications of Physics

IN an address on the "Social Applications of Physics" at a symposium at the University of Sydney on September 21, which was published in the *Union Recorder* (October 7), Prof. O. U. Vonwiller, pointing out that the man of science to-day must consider the bearing of his work on the problems of civilization and recognize his responsibility for some of the economic and social difficulties of the times, suggested these difficulties were due primarily to our inability to accommodate social and economic conditions to the rapidly changing methods of production following the application of scientific discovery. The main cause of these rapid changes was the changed status of the inventor, and while the success of the man of science as inventor had brought many real benefits to mankind, much distress had also arisen because in applying scientific discovery the first consideration was that of financial benefit. Prof. Vonwiller considered we could not continue to ignore ameliorating measures and suggested that the most promising method for dealing with the evils of over-production was to reduce the hours of employment. No satisfactory and lasting improvement in our difficulties could be expected, however, unless we adopted much from the methods of scientific investigation and discovery, with their honesty of inquiry and statement. In economic questions the difficulty of avoiding prejudice, however, was very great, and Prof. Vonwiller did not suggest that the adoption of scientific method would remove all our difficulties, though he appealed strongly for a courageous endeavour to understand and make understood the possibilities and limitations of scientific progress.

### Twenty-fifth Anniversary of Laue Diagrams

LAUE first used his method of X-ray analysis of crystal structure in 1912. The twenty-fifth anniversary of this event has been celebrated by *Die Naturwissenschaften* by the publication of two interesting articles on the progress made in this branch of crystal chemistry. One, by F. Laves (*Naturwiss.*, 25, 705, 721; 1937), deals with the theory of the method and its development, and mentions its applications, particularly to the determination of atomic distances in crystals. A full account of our present knowledge of the radii of ions and atoms and their separations in crystals, and the dependence of these on the type of linking, is given,

and there is a useful bibliography. The second article deals with the use of X-ray interference methods in the investigation of the fine-structure of animal tissues, and is contributed by F. O. Schmitt (*Naturwiss.*, 25, 709; 1937). It mentions particularly progress made in the examination of nerve, sinew and muscle, and other tissues in which there is a high degree of orientation of proteins or lipins. It will be recalled that *Current Science* also had special articles in connexion with this anniversary (see *NATURE*, 139, 517; 1937).

### History of Science and Medicine

WE have received the fourth volume of *Osiris*, a journal edited by Dr. George Sarton and dealing with the history and philosophy of science. This volume is entitled "Incunabula Scientifica et Medica", by A. C. Klebs, and contains the titles of books on science and medicine printed up to the year 1500, with references to catalogues indicating where the books may be found. This list is very convenient to students of the history of science and medicine, since it contains information which was previously to be found only in large and expensive library catalogues. The volume is quite a substantial one, having 359 pages, so that it is evident that an unexpected range of material of this class was printed at an early period. In a book purporting to give accurate information on dates of publications, it is somewhat surprising to find the title-page dated 1938, whereas the volume was received in October 1937.

### Proposed List of Current Geographical Publications

MORE than eight hundred technical and scientific periodicals are received by the library of the American Geographical Society. From these a careful selection of material of geographical interest is made, to be entered in the library's research catalogue. A current index is thereby provided to an extremely important body of geographical material that does not appear in the usual library catalogue. There is thus afforded a continuous, up-to-date record of current material of value not only to geographers but also to geologists, economists, anthropologists, and workers in many other allied fields. So useful has the research catalogue proved to the staff of the Society and to those consulting its library that the Society now proposes to make this material more generally available if there is sufficient demand. It is planned to publish ten mimeographed lists a year of the material catalogued during the month (material for July and August to be listed in the following issues). The subscription rate will be 3.75 dollars.

### Fisheries Research in Australia

THE 138-ton motor ship *Warreen* (an aboriginal name for the sea), built for the fisheries section of the Australian Council for Scientific and Industrial Research, has been launched in Melbourne. The vessel will be used for the study of pelagic fish in the waters around Australia, commencing in the south-eastern seas. The headquarters of the section will be at Port

Hacking, some eighteen miles south of Sydney, on a reserve beautifully situated for the purpose. Plans have been drawn for a laboratory to cost £12,000, which should be finished by the end of the year.

#### International Society of the History of Medicine

THE eleventh Congress of the International Society of the History of Medicine will be held in Yugoslavia on September 2-11 at Zagreb, Belgrade, Serajevo and Ragusa. The stay at Ragusa will coincide with the birthday fête of the King, who will be patron of the Congress. The following subjects will be discussed: (1) the history of medicine in different countries, introduced by Prof. Gomoiu; (2) the history of malaria in the Balkan peninsula and especially in Yugoslavia; (3) natural history in popular medicine (animals, plants, minerals); (4) mystery and magic in popular medicine; (5) medicine in folk poetry; (6) psychogenic diseases and psychotherapy in popular medicine. Further information can be obtained from the general secretary, Dr. Vladimir Bazala, Vlaska Ulica 95, Zagreb, or from Dr. Guiart, 58 Boulevard de la Croix Rousse, Lyon.

#### Schools and the Way to Peace

AN international conference of teachers to be held in London on April 22-25 is being organized by the Education Committee of the League of Nations Union. It is intended to re-examine the whole question of 'peace teaching' in the schools in view of recent changes in the international situation in Europe and the Far East. The opening session will be in University College and the closing session at Guildhall, where members will be entertained to luncheon in the crypt. Other sessions will be in the London School of Economics and Political Science, and there will be an afternoon reception by the Vice-Chancellor of the University in the Senate House. Among those who will take part in the conference are the Duchess of Atholl, Lord Cecil, Lord Allen of Hurtwood, Prof. Gilbert Murray, Mr. Kenneth Lindsay and Mr. H. G. Wells. The last-named is to speak at a public discussion on "The Teaching of History". In connexion with the conference, a schools' poster competition has been organized with the object of advertising the value of the League of Nations and the International Labour Organisation as a means of securing the improvement of social conditions and of human welfare through international action. Further particulars can be obtained from the L.N.U., 15 Grosvenor Crescent, S.W.1.

#### Announcements

THE Forestry Commissioners have appointed a committee, under the chairmanship of Lieut.-Colonel J. C. Wynne Finch, to advise them about the suitability of the Forest of Dean as a national forest park. Mr. Frank H. Harris and Mr. E. S. J. Hinds, Forestry Commission, 55 Whitehall, London, S.W.1, are joint secretaries to the Committee.

THE Linnean Society of London will celebrate the one hundred and fiftieth anniversary of its foundation

on May 24-26. The president, Dr. J. Ramsbottom, will deliver an address on May 24 at 6 p.m., and on May 25 and 26 symposia on "The Concept of Species from the Time of Linnæus to the Present Day" will be held. Further information can be obtained from the Assistant Secretary, Linnean Society, Burlington House, Piccadilly, London, W.1.

Flying Officer A. E. Clouston and Mr. Victor Ricketts arrived at Croydon on March 26, having accomplished a return flight between England and New Zealand (about 24,000 miles) in 10 days 21 hours. This is the first time that a direct double flight has been made, and several new records were set up. The aeroplane was the de Havilland Comet which won the international air race from London to Melbourne in 1934.

PROF. CAMILLE GUTTON, of the Ecole Nationale supérieure de l'Aéronautique and the Ecole professionnelle supérieure des Postes et Télégraphes, Paris, has been elected a free academician of the Paris Academy of Sciences, in succession to the late Paul Janet.

THE first International Congress of Cosmobiology, organized by the Société médicale de Climatologie et d'Hygiène du Littoral Méditerranéen, will be held on the Côte d'Azur on June 2-8. Prof. D'Arsonval will preside over the radiological section and M. Lumière over the biological section. Further information can be obtained from the secretary, 24 rue Verdi, Nice.

THE following have recently been nominated members of the Imperial Leopold Caroline German Academy at Halle: Dr. Matsujiro Takenouchi, professor of bacteriology at Tokyo, Dr. Antonio Dias Albertini, president of the Finlay Institute at Havana, Dr. Sven Petrus Ekman, professor of zoology at Uppsala, Dr. Mokoto Ishiwara, professor of physiology at Fukuoka, Japan, Dr. Gustav Senn, professor of botany at Basle, and Dr. S. P. L. Sørensen, head of the Carlsberg Institute at Copenhagen.

REPRINTS of fourteen papers by Mr. T. S. Subbaraya, Central College, Bangalore (University of Mysore), and his collaborators, published between 1929 and 1937, have been received. Particular acknowledgment is made of indebtedness for the help and collaboration of Prof. B. Venkatesachar, professor of physics in the University. The scope of the papers is too wide to permit of description in a short paragraph. The topics divide themselves almost completely into two classes, one dealing with nuclear structure and nuclear magnetic moments, and the other with problems in spectroscopy. In the latter category is a series of important papers on the spectrum of ionized mercury. There are papers dealing with the spectrum of ionized zinc, and with the band spectra of cadmium, zinc, cadmium iodide, and mercurous iodide. An early paper discusses the range of distinct vision of the unaided eye under water.