

description, are provided by Waldo Maitland. Some very striking effects, produced by flood-lighting trees, are shown. "Roof-gardens, the Lungs of the Future" are given adequate treatment in an article by Lady Allen of Hurtwood, who introduces many practical suggestions. One might advance the suggestion that the 'extremely small spaces' such as are included with the majority of present-day houses might receive adequate treatment in future numbers, though the editor seems to be alive to this need. A study of the development of the 'garden city' is promised for the next number (July).

#### Research on Oranges and Related Crops

THE British South Africa Co. has issued a report on the activities of the Mazoe Citrus Experimental Station up to the end of 1932 (Oxford Univ. Press, 192 pp.). The Director, Dr. W. J. Hall, and Mr. W. K. Ford are engaged in a study of the citrus insects of Southern Rhodesia, and publish detailed descriptions of a considerable number of pests. Soils of the Mazoe Estate are under investigation by Dr. A. A. Morris, who contributes a paper on the relation between soils and field practices. Special attention has been devoted to irrigation, cover crops and manures. Problems of artificial coloration, maturity and transport wastage of oranges have engaged the attention of Mr. G. R. Bates. The work of the Station is comparatively recent, but the various problems are being studied with a detail which should ensure the production of valuable results.

#### Electrical and Magnetic Units

BULLETIN No. 93 of the National Research Council, Washington, reproduces the papers on units presented before the American Section of the International Union of Pure and Applied Physics at Chicago in June last. After discussion it was recommended:—that in view of the long use of the classical centimetre-gram-second units, no change should be made at present, but that the Gaussian system should be considered in future; that the practical units—ohm, volt, ampere, coulomb, farad, henry, joule and watt—might be extended into a complete absolute system either through the metre-kilogram-second or the centimetre- $10^7$  gm.-second, the former by preference. These proposals will in due course be considered by the Committee on Symbols, Units and Nomenclature established by the International Union.

#### Health of the British Army during 1932

LIEUT.-GEN. H. B. FAWCUS, director-general of the Army Medical Services, states that the health of all ranks throughout 1932 was satisfactory ("Report on the Health of the Army for the Year, 1932". London: H.M. Stationery Office, 1934. 2s. 6d. net). The admission rate to hospital, 412.5 per 1,000 of the strength, was the lowest on record, and the invaliding and constantly sick rates were also the lowest recorded since the War. All the more important diseases have shared in the decline, namely, malaria, dysentery, influenza, tonsillitis, venereal diseases and

others. In consequence of the high incidence of tonsillitis over many years, a Joint Medical Services Committee has studied the subject, but without reaching any very definite conclusion as to causation or prevention. A summary of research work is given in the report.

#### German Exhibition of Chemical Plant

"ACHEMA" is the *Ausstellung für chemisches Apparatewesen*, the seventh of which is to be held at Cologne on May 18–27 under the auspices of "Dechema", the *Deutsche Gesellschaft für chemisches Apparatewesen*. In anticipation of this exhibition the *Achema-Jahrbuch 1931/1934*, a report of some 230 pages on the position and development of the study and construction of chemical plant, has recently been published by Dechema at Seelze bei Hannover. Those who are interested in the exhibition and apply before May 10 can obtain a copy of the *Jahrbuch*, which is priced at 10 m., on sending only 0.40 m. to cover the cost of postage. The "Wissenschaftlicher Teil" includes articles on the development of technique and plant construction, on standards in apparatus, on welding in the building of chemical plant, on instruments for the measurement of therapeutically active ultra-violet light emission, and on the Drawinol process for dehydrating ethyl alcohol. The "Technisch-industrieller Teil" contains information concerning constructional materials, laboratory apparatus, technical apparatus, plant and machinery. The book serves also as a guide to the exhibits. We are reminded that in describing the sixth exhibition held at Frankfurt-am-Main in 1930 we said that there could never have been a more comprehensive show of aids to chemical manipulation; at Cologne 300 firms will exhibit more than 2,000 types of apparatus and plant, so that the forthcoming exhibition is unlikely to be less valuable and impressive.

#### Congress of History of Medicine

THE International Society of the History of Medicine has received an official invitation from the Spanish Government to hold its tenth congress at Madrid in the second fortnight of September 1935. The following subjects, of which the executive committee has to select two, have been suggested for discussion: Spanish colonial medicine; Pre-Columbian medicine; the history of syphilis; medical folk-lore, and the introduction of biological ideas into the domain of history, a subject proposed by Prof. E. Jeanselme of Paris. This Congress of 1935 must not be confused with that organised by the International Academy of the History of Sciences, which will be held this year at Barcelona, Madrid, Toledo, Coimbra and Lisbon, on September 19–October 2.

#### Television Inquiry

THE Postmaster-General stated in the House of Commons on April 30 that he hoped to announce shortly the composition of a committee which will advise on the conditions under which any public



television service should be provided. It is understood that the Committee to be appointed will consist of representatives of the Post Office, the British Broadcasting Corporation and the Department of Scientific and Industrial Research.

#### Announcements

DR. JOSEPH PEARSON, who recently resigned his post as director of the Colombo Museum and marine biologist to the Ceylon Government, has been appointed director of the Tasmanian Museum, Hobart, as from March 1 last.

AT the meeting of the London Mathematical Society to be held on May 17 at 5 p.m. in the rooms of the Royal Astronomical Society, Burlington House, Prof. E. A. Milne, of Oxford, will give a lecture on "World-Gravitation by Kinematic Methods".

THE Institution of Civil Engineers has awarded a Charles Hawksley Prize of £150 for 1934 to Mr. H. G. Cousins, for his design of an aerodrome. The prize is awarded for the best design of an engineering structure combining artistic merit with excellence of constructional design, and the competition is open to students and associate members of the Institution less than thirty years of age.

KEDDEY FLETCHER-WARR Studentships of the University of London, each of the value of £210 a year for three years, have been awarded to Dr. E. G. Jones, for the continuation of research in spectroscopy, and to Dr. A. C. Offord, for the continuation and extension of research in pure mathematics.

THE Frazer Lecture, founded in honour of Sir James Frazer, is delivered annually at the Universities of Oxford, Cambridge, Glasgow and Liverpool in turn, and this year goes to Oxford for the fourth time. It will be delivered on May 10 at 5.30 p.m. in the Examination Schools, Oxford, by Prof. H. J. Rose, of the University of St. Andrews, who will take as his subject "Concerning Parallels".

THE Association of Special Libraries and Information Bureaux (ASLIB) will hold its eleventh annual conference at Somerville College, Oxford, during the week-end beginning on September 21. Particulars may be obtained from the Secretary of the Association, 16, Russell Square, London, W.C.1. Sir Richard Gregory has agreed to accept nomination as president of the Association for 1934-35.

THE Rockefeller Medical Fellowships for the academic year 1934-1935 will shortly be awarded by the Medical Research Council, and applications should be lodged with the Council not later than June 1. These Fellowships, of the annual value of £350, are awarded to graduates who have had some training in research work in the primary sciences of medicine, or in clinical medicine or surgery, and are likely to profit by a period of work at a university or other chosen centre in the United States before taking up positions for higher teaching

or research in the British Isles. Full particulars and forms of application are obtainable from the Secretary, Medical Research Council, 38 Old Queen Street, Westminster, S.W.1.

THE "Handbook of the Collections Illustrating Electrical Engineering" (Science Museum, South Kensington. Part 4.) (H.M. Stationery Office. 2s. net) gives the substance of the detailed descriptive labels associated with the exhibits in the Electric Power Collections in the Science Museum. By means of asterisks, attention is directed to the more important exhibits which have influenced future developments. It will be most useful to those who desire to study the historical development of the use of electric power.

MESSRS. OPPENHEIM AND CO. (RARE BOOKS), LTD., 174 Fulham Road, London, S.W.10, now in liquidation, have issued a special sale catalogue of journals and periodicals of British and foreign learned societies. The list includes long runs and shorter sets of publications on most branches of science, natural history, medicine, engineering and economics. Among the more important items is a complete run of the *Annals and Magazine of Natural History*, from the commencement in 1838 to 1927, to be had for the bargain price of £115. This is a low-priced list which should appeal especially to librarians.

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:—An assistant lecturer in metallurgy in the University of Manchester—The Registrar (May 7). An engineer and surveyor to the Brentwood Urban District Council—The Clerk of the Council, Council Offices, Brentwood (May 7). A lecturer in engineering at the Wigan and District Mining and Technical College—The Principal (May 7). An assistant master to teach two of the following subjects: machine drawing, mechanics, physics, mathematics, at the Portsmouth Junior Technical School—The Town Clerk, Guildhall, Portsmouth (May 10). A principal of Kilburn Polytechnic—The Secretary, Middlesex Education Offices, 10, Great George Street, Westminster, S.W.1 (May 16). An assistant lecturer in physics in the University of Manchester—The Registrar (May 26). A teacher of electrical engineering at Dartford Technical College—The District Secretary, Education Offices, 15, Lowfield Street, Dartford (May 26). A headmaster of the Ashton-under-Lyne Junior Technical School—G. W. Handforth, Education Office, 8, Warrington Street, Ashton-under-Lyne (May 26). An Imperial mycologist at the Imperial Institute of Agricultural Research, Pusa, Bihar and Orissa, India—The High Commissioner for India, General Department, India House, Aldwych, London, W.C.2 (May 31). An assistant engineer to the Water and Sewerage Board, Corporate Area of Kingston and St. Andrew, Jamaica—The Crown Agents for the Colonies, 4, Millbank, London, S.W.1. A woman tutor in mathematics at the Edge Hill Training College, Ormskirk—The Principal.