

that it took a full decade to complete. The staff, headed by a professor, includes three readers, five lecturers, five student demonstrators and two technicians, a secretary, clerk and library clerk, with four laboratory assistants and others bringing the total to 30, with a departmental expenditure for 1961-62 estimated at 765,882 rupees. Some 83 students have already graduated as B.Sc. and 49 as M.Sc., and a research programme has now been established. There is a real need for geologists in Pakistan, and the Mission was consistently supported by the Government of Pakistan as well as by Unesco, and was given as much freedom as possible by the University to build and administer the Department. Further expansion is recommended over the next two years by the establishment of a fourth readership (in structural and applied geology), a new lectureship (for hydrogeology), expansion of analytical facilities in the mineralogy section and of laboratory facilities in the applied geophysics section. The Department should be kept as a fully integrated department for at least five years, but by 1960 should be appraised with the view of raising the main sections to departmental status. Concentration until 1968 of all geological studies for the degrees of M.Sc. and Ph.D. work at the Panjab University is also recommended, and further assistance with overseas staff under an aid programme is regarded as unnecessary.

Farm Buildings Research

THE first supplement, 1958-61, of Part 3, *Buildings for Poultry*, issued by the Agricultural Research Council, has recently been published (Pp. 71. London: Agricultural Research Council, 1963. 4s.). This bibliography of farm buildings research provides important basic information: in the past, much waste has occurred from the provision of unsuitable and uneconomic housing. Over-emphasis on one or another feature can lead to unsatisfactory accommodation and the disease situation is often below par on this account. With insufficient attention to the temperature requirements, to the general comfort of the occupants, etc., costs of ill-health may more than balance economies in management. Abstracts are given of 300 publications dealing with one or other of the important factors that require consideration in the planning of buildings. An indexed summary covers thirty major items, such as watering, nesting and humidity requirements of fowls, turkeys, ducks and geese.

Announcements

DR. CHARLES WILCOCKS, formerly director of the Bureau of Hygiene and Tropical Diseases, London, has been elected president of the Royal Society of Tropical Medicine and Hygiene in succession to Sir George McRobert.

THE International Association of Forensic Toxicologists was formed during the conference on "Legal Medicine, Pathology and Toxicology", held in London in April 1963. The aims of the Association are to promote co-operation and co-ordination of effort among the members and to encourage research in chemical toxicology. The president is Dr. E. G. C. Clarke, and application forms for membership can be obtained from the secretary, Dr. A. S. Curry, 32 Rutland Drive, Harrogate.

A CONFERENCE on "Metabolism and Physiological Significance of Lipids" will be held in Cambridge during September 15-21. Further information can be obtained from Dr. R. M. C. Dawson, Biochemistry Department, Institute of Animal Physiology, Babraham, Cambridge.

A GENERAL discussion on "Fundamental Processes in Radiation Chemistry", arranged by the Faraday Society, will be held in the University of Notre Dame, Indiana, during September 2-4. Further information can be obtained from the Assistant Secretary, the Faraday Society, 6 Gray's Inn Square, London, W.C.1.

A CONFERENCE, arranged by the Research and Industrial Applications Sections of the Royal Statistical Society, will be held in the University of Southampton during September 14-16. Further information can be obtained from the Secretary, Royal Statistical Society, 21 Bentinck Street, London, W.1.

AN international conference on "Microwaves, Circuit Theory and Information Theory" will be held in Tokyo during September 7-11, 1964. The conference is being organized by the Institute of Electrical Communication Engineers of Japan. Further information can be obtained from Dr. Kiyoski Morita, c/o The Institute of Electrical Communication Engineers of Japan, 2-8 Fujimicho, Chiyoda-ku, Tokyo.

A SYMPOSIUM on "Modern Instrumentation in Science and Industry", organized by the London Branch of the Institute of Biology, the London Section of the Royal Institute of Chemistry and the London Branch of the Institute of Physics and the Physical Society, will be held at the Institution of Electrical Engineers on January 17, 1964. Further information can be obtained from the Honorary Secretary, Institute of Biology, 41 Queen's Gate, London, S.W.7.

A COLLOQUIUM on "The Optics of Solid Thin Layers" is being organized by the Commission Internationale d'Optique and will be held in Marseilles during September 8-15. Subjects under consideration will include: theory of solid thin layers; preparation of layers; structure and optical properties; optical applications. Further information can be obtained from Prof. P. Rouard, Faculté des Sciences, place Victor-Hugo, Marseille 3.

A SUMMER school in "Molecular Biology" will be held in Ravello during September 2-15. Subjects covered by the School will include: the physicochemical methods of studying biological macromolecules; structure, function and biosynthesis of nucleic acids and proteins; mechanism of enzymatic reactions; quantum theory of biochemical structures and reactions. The School will be followed by a symposium on "The Electronic Aspects of Biochemistry", to be held during September 16-18. Further information can be obtained from Prof. B. Pullman, Institut de Biologie Physico-Chimique, 13 rue Pierre Curie, Paris 5.

A CONFERENCE on "The Liquid State", arranged by the Institute of Physics and the Physical Society, will be held at the Imperial College of Science and Technology, London, during September 9-13. The conference will be divided into four main sections: structure and excitation spectra; equilibrium properties, including simple mixtures and solutions, evaporation and solidification; transport and dissipative processes and fluctuations; electronic properties. Further information can be obtained from the Administrative Assistant, Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W.1.

THE fifth international congress on "The Stratigraphy and Geology of the Carboniferous", arranged by Charbonnages de France, will be held in Paris during September 9-12. Subjects under consideration will include: stratigraphy and palaeontology; sedimentology, petrography, geochemistry; coal petrography; the microflora of the Palaeozoic; the microfauna and its applications to the stratigraphy of the Carboniferous; special geological problems. Further information can be obtained from the General Secretariat, Fifth International Congress on the Stratigraphy and Geology of the Carboniferous, Charbonnages de France, 9 avenue Percier, Boite Postale, 396-08, Paris 8.

ERRATUM. In Table 1 of the communication entitled "Progestational Activity of 4-Hydroxy-17-Alpha-Acetoxy-progesterone" by Prof. G. Sala *et al.*, which appears on p. 262 of the January 19 issue of *Nature*, steroid No. 6 should be 9 β -10 α -pregna-4,6-dien-3,20-dione.