

head of the Operational Research Unit of Ferranti, Ltd. (Transformer Division).

#### Brucellosis

*Food and Agriculture Organization Agricultural Studies No. 66* embodies the report of the joint World Health Organization/Food and Agriculture Organization Expert Committee on Brucellosis (Food and Agriculture Organization of the United Nations. *Joint FAO/WHO Expert Committee on Brucellosis—Fourth Report*. Pp. 65. Rome: Food and Agriculture Organization of the United Nations. London: H.M.S.O., 1964. 6s. 8d.; 1.25 dollars). Its fourteen sections discuss the epidemiology of brucellosis; speciation in the genus *Brucella*; media and methods for the primary isolation and further cultivation of the organism; the standardization and interpretation of the serum agglutination test; human, bovine, caprine and porcine brucellosis and the disease in other animals; the United Nations brucellosis centres and future research needs. Nine annexes deal with various aspects of the immunology of *Brucella* infections.

#### Engineering Aspects of Lubrication

AN intensive course on "Engineering Aspects of Lubrication", organized by Dr. A. Cameron, will be held in the Department of Mechanical Engineering, Imperial College of Science and Technology, during May 31–June 17. The various processes underlying the operation of bearings are often extremely complex and the aim of the course is to enable engineers and industrialists to have a better understanding of them. In this way, they will be better able to design equipment and understand failures. The content of the course will be as follows: First, classical lubrication theory will be developed and compared with the practice of journal and thrust bearings, the importance of temperature being emphasized and a method produced for analysing its effect. The combined influence of pressure on viscosity and deformation of surfaces will then be discussed and the method investigated by which ball and roller bearings and gears are lubricated. The various theories of oil film break-down will be considered and a reasonable theory of scuffing put forward. A number of specialist lectures will be given by recognized experts. Full bound sets of lecture notes will be issued to every student attending the course. Further information can be obtained from the Registrar, Imperial College, London, S.W.7. The fee for the course will be 45 guineas.

#### Post Office : Postgraduate Awards

THE Post Office is arranging to make each year a number of postgraduate awards to selected staff. These awards will be tenable at universities which have facilities for research or advanced studies relevant to Post Office problems, initially in telecommunications science and engineering. In appropriate cases the awards will enable the holders to qualify for M.Sc. or Ph.D. degrees. The primary objective, however, is to further research and develop expertise of special value to the Post Office.

#### Prof. G. Macdonald, C.M.G. : The Ross Institute, and Schistosomiasis

THE Editor has received the following communication from Prof. G. Macdonald: "I am happy to correct the statement on p. 30 of your January 1 issue that I have given up my directorship of the Ross Institute, a post which I retain and hope to enjoy for some years. The Ross Institute, under my direction, has been very interested in schistosomiasis for several years, and in 1961 it received a substantial grant from the Rockefeller Foundation to study the medical and public health significance of this infection, the grant being further supported by the Ministry of Overseas Development and the World Health Organization. With this aid, a Schistosomiasis Research Unit under Dr. Forsyth has been working in East Africa since 1962, originally based on the East African Medical

Research Laboratory at Mwanza and now in Zanzibar. The World Health Organization\* also sponsors work on this disease, and much research has been carried out by the staff of the Research Laboratory at Mwanza".

\*WHO Technical Report Series No. 299 (price 5s. from H.M.S.O., P.O. Box 569, London, S.E.1) and *Snail Control in the Prevention of Bilharziasis* (price 30s., from the same address).

#### University News:

##### Hull

DR. R. R. BALDWIN has been appointed to the second chair of chemistry as from January 1.

##### Leeds

DR. E. IRVING has been appointed to a chair of geophysics in the Department of Earth Sciences.

##### London

THE following appointments have been made: *Professorships*, Dr. E. W. Horton (pharmacology, tenable at the School of Pharmacy); Dr. J. T. Stuart (theoretical fluid mechanics, tenable at the Imperial College of Science and Technology); *Readerships*, Dr. B. E. Plunkett (botany, tenable at Birkbeck College); Dr. E. Cohen (mineral technology, tenable at the Imperial College of Science and Technology). The following titles have also been conferred: *Professor*, Dr. J. Joseph (anatomy, in respect of his post at Guy's Hospital Medical School); *Reader*, Dr. T. H. Lambert (mechanical engineering, in respect of his post at University College).

##### Swansea

PROF. J. A. BEARDMORE, professor of genetics in the University of Groningen, has been appointed to the newly established chair of genetics.

#### Announcements

A SERIES of courses on subjects in the field of natural sciences will be held at the Scottish Field Studies Association's Field Centre at Kindrogan, Perthshire, during 1966. Further information can be obtained from the Scottish Field Studies Association, Ltd., 141 Bath Street, Glasgow, C.2.

A GENERAL discussion of the Faraday Society on "The Role of the Absorbed State in Heterogeneous Catalysis" will be held in the University of Liverpool during April 4–6. Further information can be obtained from the Assistant Secretary, the Faraday Society, 6 Gray's Inn Square, London, W.C.1.

A MEETING of the East Midlands Branch of the Institute of Mathematics and its Applications will be held at Loughborough College of Technology on January 18. A lecture on "The Mathematical Theory of Multi-variable Control Systems" will be delivered by Prof. H. H. Rosenbrock. Further information can be obtained from the Institute of Mathematics and its Applications, Maitland House, Warrior Square, Southend-on-Sea, Essex.

A SERIES of seminars for senior production executives will be held at the Northampton College of Advanced Technology during the first six months of 1966. Subjects under discussion will be as follows: the implications of economic and technological change for industrial relations (January 19); PERT costing as a tool for higher management control of projects (February 16); financial analysis of projects involving capital expenditure (March 23); optimal replacement decisions: alternative approaches to the replacement of machines (April 20); the effects of organization on budgetary control in a manufacturing enterprise (May 18); operations research as an aid to factory location (June 22). Further information can be obtained from the Secretary, Department of Management and Social Science, Northampton College of Advanced Technology, St. John Street, London, E.C.1.