

29 maps and figs. 1961. Price 2.50 dollars). These important gold deposits occur in the form of quartz lenses both in chlorite-schist shear zones cutting pre-Cambrian greenstones and in highly folded and contorted pre-Cambrian sedimentary rocks. Extensive chemical evidence is presented in support of the thesis that the elements present in the ore bodies came from the country rocks, whence they were concentrated into dilatant zones during metamorphism. It is claimed that both gold and silver are constituents of all rocks in the district, and that, since they were originally present in amounts sufficient to yield any of the concentrations forming ore deposits, it is unnecessary to call on magmatic hydrothermal solutions as a source for the two elements. These views are a reversion to the lateral secretion theories of von Sandberger expressed in his *Untersuchungen über Erzgänge* nearly eighty years ago, and it seems likely that Dr. Boyle's well-documented revival of such concepts will stimulate considerable discussion by other economic geologists.

Surface Activity

AN attractive 21-page booklet, entitled *Surface Activity*, by R. J. Taylor of Unilever Research Division (A Unilever Educational Booklet—Advanced Series. London: Unilever, Ltd., 1961) is the first in the series of educational booklets which Unilever is publishing for sixth-form pupils to use as a supplement to school text-books. A detailed explanation is given, with the help of clear diagrams and illustrations in colour, of surface activity and some of its important applications, including water conservation, emulsification, detergency, flotation and foams. The treatment is intended to be complementary to that of surface tension as dealt with in school text-books. In the theoretical section dealing with adhesion, contact angle, spreading and bubbles, the four measurable quantities—surface tension, interfacial tension, contact angle and surface pressure—are mentioned, and, in the second section of the booklet, experimental methods for the measurement of these quantities are described. Finally, various applications of surface activity are discussed.

Individual Variation in Nutrition

A SYMPOSIUM on "Individual Variation", organized by the Nutrition Society, is to be held at the National Institute for Medical Research, London, during March 17. The chairman will be Prof. B. S. Platt, and topics under discussion will include: nutritional individuality (Dr. E. M. Widdowson); normal variations in blood constituents (Dr. I. D. P. Wootton); individual variations in the lipid transport system (Dr. R. E. Olson); some aspects of physical and physiological individual variation in growth and development (Dr. R. W. McCammon); variations in human energy-intake and expenditure in Great Britain (Mr. J. M. Harries, Mrs. E. A. Hobson and Miss D. F. Hollingsworth); genetic variation in the nutrition of *Drosophila* (Dr. F. W. Robertson). Further information can be obtained from Miss D. F. Hollingsworth, Ministry of Agriculture, Fisheries and Food, Great Westminster House, Horseferry Road, London, S.W.1.

Cambridge University Library :

Gowland Hopkins Centenary

Dr. Malcolm Dixon, Dr. Barbara E. Holmes and Dr. Joseph Needham write that: "In commemoration of the centenary of the birth of Sir Frederick Gowland

Hopkins, a collection of papers, etc., concerning his life and work is being formed in the Cambridge University Library. We should be very grateful if anyone having in their possession manuscript or typescript letters of his, or letters addressed to him, or any other relevant documents, would send them to us for deposition in the collection as such or for copying and return, addressed to Dr. Joseph Needham, at Caius College, Cambridge".

Announcements

DR. EDWARD R. WEIDLEIN, former president of the Mellon Institute, Pittsburgh, has been awarded the William Proctor Prize for scientific achievement by the Scientific Research Society of America for his work in industrial research.

THE Centre National de la Recherche Scientifique, Paris, is offering a prize of 10,000 N.F. for the best solution, received before October 1, to the problem of documenting the enormous amount of scientific material at present being published. Further information can be obtained from the Centre National de la Recherche Scientifique, 15 Quai Anatole France, Paris 7e.

A SYMPOSIUM on "Ferro Alloy Industry in India" is to be held at the National Metallurgical Laboratory, Jamshedpur, during February 12-15. Further information can be obtained from the Director, National Metallurgical Laboratory, Jamshedpur, India.

A SYMPOSIUM on "Equatorial Geophysics", sponsored by the Interamerican Union of Scientific Radio together with the Interamerican Union of Geodesy and Geophysics, is to be arranged by the Instituto Geofisico del Peru (formerly the Huancayo Geophysical Institute) in Lima during March 19-23. Further information can be obtained from the Instituto Geofisico del Peru, Apartado 3747, Lima.

THE thirteenth Pittsburgh conference on "Analytical Chemistry and Applied Spectroscopy" is to be held in Pittsburgh during March 5-9. The programme will include the symposia on: Raman spectroscopy; vacuum spectroscopy; gas chromatography; spectroscopic studies of polymers; chemical analysis of metals. There will also be an exhibition of new analytical instruments. Further information can be obtained from the programme chairman, Dr. C. F. Glick, Applied Research Laboratory, United States Steel Corporation, Monroeville, Pennsylvania.

A SYMPOSIUM entitled "Basic Problems in Neoplastic Disease", sponsored by Columbia University College of Physicians and Surgeons, is to be held during March 12-14, to commemorate the fiftieth anniversary of the Institute of Cancer Research at the University, and the tenth anniversary of the Francis Delafield Hospital. The subjects under discussion will include: nucleic acid structure and synthesis; viral and genetic studies; protein synthesis; antibody structure and function. Further information can be obtained from the Institute of Cancer Research, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York 32, N.Y.

ERRATUM. The title of the communication by Prof. J. M. Wiameo *et al.* in *Nature* of January 6, p. 70, should read: "Mutation of *Bacillus subtilis* affecting the Aconitase and the Dicarboxylic Acid Specific Transport", and not as that given.