

cluding this result the highest value is 3.6 units compared with 3.5 of the previous year. At the end of July 1962 analyses of bone at Cambridge were discontinued. The reports contain summary tables giving details of the samples and the results of their analyses, together with the types of counter and counting methods used.

#### Relief-radiography of Bladder Tumours

A METHOD of relief-radiography of bladder tumour by means of a 76 per cent solution of 'Urograffin' has been described by Prof. Naotomo Oka and Tadashi Kato, of the Department of Urology, Nagoya City University Medical School, Japan (*Nagoya Medical Journal*, 8, 3; December 1962). The method is simple to operate and the shadow or contour of the bladder tumours is clearly shown up. The method is suitable for displaying other disorders of the bladder, such as prostatic tumours, trabeculation and irregularities after operations.

#### Experimental X-ray Crystallography

AN international summer school in "Experimental X-ray Crystallography" will be held in Castel Tenno, Riva del Garda, Italy, during August 31–September 12, 1964. It will consist of a course of lectures and demonstrations intended for crystallographers concerned with single crystals. Only a slight acquaintance with the subject will be assumed and all subject-matter will be treated in a fundamental manner. Attention will be directed to the orientation of crystals by various photographic and diffractometer methods. For this purpose the theory and application of the stereographic projection and of the reciprocal lattice will be dealt with. The treatment will start from the simplest and finish with the most general problems. The theory of the use of diffractometers, particularly the main automatic types, will be explained, and in the demonstrations the student will interpret data obtained from such instruments and work out programmes for transfer to digital computers. These programmes will include the various corrections which are essential. The use of photographic methods for the examination of the intensity of X-ray reflexions will be discussed and also the possibilities and limitations on the use of microdensitometers. Students will not use X-ray diffraction apparatus though some instruments will be available for purposes of demonstration. The lectures will be given by Dr. W. A. Wooster, formerly of the Department of Mineralogy and Petrology, Cambridge, and he will be assisted in the demonstrations by Dr. Nora Wooster, Mr. A. M. Wooster and Mr. G. A. Wooster. The lectures will be given in English, but provision will be made for those who indicate their wish to use French or German. The inclusive charge for the course of lectures and demonstrations will be 115 dollars, or 110 roubles, or 70,000 It. lire, or £40. This sum does not include hotel charges. Those interested should apply to Dr. W. A. Wooster, Brooklyn Crystallographic Laboratory, Bottissham, Cambridge, and a second notice will be sent to all who indicate their wish to join such a course not later than January 7, 1964.

#### University News:

#### Birmingham

THE following appointments have been announced: *Lectureships*: Dr. G. M. Butler (botany); Mr. D. A. Jones (genetics); Dr. A. Macdonald (chemistry); Dr. C. J. Beevers (physical metallurgy); Dr. H. O. Berkday (electrical engineering); Dr. R. J. Bland (electrical engineering); Mr. M. A. Brøbner (computing in the Department of Mathematical Physics); Dr. H. Kaliszer (mechanical engineering); Dr. R. Lazenby (computing in the Department of Mathematical Physics); Mr. H. C. Wilkie (pure mathematics); *Research Fellowships*: Dr. N. Baggett (Imperial Chemical Industries Research Fellow in the Department of Chemistry); Dr. C. A. Barson (Senior Research Fellow in the Department of Chemistry); Dr. P. S. Dobson (physical metallurgy); Mr.

J. W. Edington (physical metallurgy); Mr. W. J. Feast (chemistry); Mr. C. I. Harris (biochemistry); Mr. I. R. Harris (physical metallurgy); Dr. M. H. B. Hayes (Senior Research Fellow in the Department of Chemistry); Mr. B. E. Job (chemistry); Mr. C. D. Lewis (engineering production); Dr. G. S. Prosser (chemistry); Mr. J. W. G. Wilson (electron physics); Mr. D. A. Woodford (physical metallurgy); Mr. G. A. Young (geology).

#### St. Andrews

THE following appointments to lectureships have been announced: (1) St. Salvator's College, P. E. Gibbs (botany); Dr. R. B. Thomas (theoretical physics); Dr. J. R. MacCallum (chemistry); Dr. H. C. McGregor (zoology). (2) Queen's College, Dr. C. R. Allen, Dr. W. K. Busfield, Dr. J. W. Falconer, Dr. P. A. Warsop and Dr. T. J. R. Weakley (chemistry); R. J. Jarvis and Dr. R. M. Dicker (mathematics). Dr. R. Foster has been appointed senior lecturer in chemistry at Queen's College.

#### Announcements

THE following have been appointed trustees of the British Museum (Natural History): Prof. O. M. B. Bulman, professor of geology, University of Cambridge; Prof. H. G. Callan, professor of natural history, University of St. Andrews; and Sir Landsborough Thomson, chairman, Executive Committee, Council for Nature.

A SYMPOSIUM on the "Utilization of Metallurgical Wastes" will be held at the National Metallurgical Laboratory, Jamshedpur, during February. Further information can be obtained from the Director, National Metallurgical Laboratory, Jamshedpur 7.

THE fourth Rankine Lecture of the British National Society of Soil Mechanics and Foundation Engineering entitled "Long-term Stability of Clay Slopes" will be delivered by Prof. A. W. Skempton at the Institution of Civil Engineers on February 5. Further information can be obtained from the Secretary, British National Society of Soil Mechanics and Foundation Engineering, Institution of Civil Engineers, Great George Street, Westminster, London, S.W.1.

A SYMPOSIUM on "Neutron Dosimetry for Radiological Purposes", arranged by the Institute of Physics and the Physical Society on behalf of the Joint Health Physics Committee, will be held at the Royal Aeronautical Society, London, on January 24. The symposium will include five main sessions: the interaction of neutrons with tissue; flux and energy measurement; determination of absorbed dose in tissue; measurement of dose equivalent (formerly RBE dose); dosimetry of high-energy particles. Further information and forms of application can be obtained from the Administration Assistant, Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W.1.

ERRATUM. Certain errors were made in the obituary notice of Prof. J. F. Piccard (*Nature*, 199, 229; 1963). Prof. Piccard's widow, Dr. Jeannette Piccard, writes as follows: "Jean received an honorary Dr.Sc. degree from Jamestown College, North Dakota, in 1957. He also received an honorary Dr.Sc. from the University of Southern Illinois in 1959. He never received an honorary degree from the University of Strasbourg nor the United States Distinguished Service Award. Auguste Piccard, Jean's twin brother, received the degree from Strasbourg in 1932. Jacques Piccard, the son of Auguste, received the U.S. Distinguished Service Award in 1960. The American Meteorological Society honoured Jean, not for his scientific balloon flight but for the invention, design, and construction of the modern plastic balloon so widely used as a research tool to-day. He did this with a research grant of 600.00 dollars from the University of Minnesota in 1936. It is easy to confuse the many accomplishments of the different members of the Piccard family . . .".