

Notes and News

Announcements and other items of crystallographic interest will be published under this heading at the discretion of the Editorial Board. The notes (in duplicate) should be sent to the General Secretary of the International Union of Crystallography (G. Boom, Laboratorium voor Fysische Metaalkunde der Rijksuniversiteit, Universiteitscomplex Paddepoel, Groningen 8002, The Netherlands). Publication of an item in a particular issue cannot be guaranteed unless the draft is received 8 weeks before the date of publication.

International Union of Crystallography

Appointment of Executive Secretary

At their meeting of 29–30 June 1968, the Executive Committee of the International Union of Crystallography decided that a full-time salaried Executive Secretary should be appointed as soon as possible and applications were invited shortly afterwards. The decision was taken after discussions of reports by the (Honorary) General Secretary and the (Honorary) Treasurer, from which it was clear that the volume of daily work made it impossible for them, or indeed any successors, to continue with the present manner of operation. The Executive Secretary is to take over the day-to-day administration and will thus relieve the Honorary Officers of much of their work. The establishment of the new post is subject to confirmation by the Eighth General Assembly in August 1969.

The Executive Committee is glad to announce the appointment of Dr J. N. King as Executive Secretary of the Union.

Dr King is British and was born in 1937. He studied physics at Imperial College, London, where he took his B.Sc., M.Sc. and Ph.D. (solid state physics) degrees. He went to Australia in 1963, where he worked on the preparation of thin metal films and their examination by electron diffraction and electron microscopy, at the Aeronautical Research Laboratories, Melbourne.

Dr King was Secretary of the Organizing Committee of the International Conference on Electron Diffraction and the Nature of Defects in Crystals, Melbourne 1965, which was sponsored jointly by the Union and the Australian Academy of Science, with the support of the Commission on the Solid State of IUPAP. He returned to England in September 1968.

Combined office accommodation is to be found in Chester, England, for the Executive Secretary and the Union's Technical Editor, Mr S. A. Bryant. Until further notice all correspondence for the Technical Editor should continue to be addressed to his present office at 1 Stanley Place, Chester, England.

Dr King will start work on 1 February 1969, and will be visiting the General Secretary and the Treasurer before taking over the daily administration of the Union. Correspondence should *not* be directed to Dr King for action in his capacity as Executive Secretary until notice is given. However, it will be appreciated if information copies of appropriate correspondence are sent to Dr King at the Technical Editor's present address.

International Union of Crystallography

Supplement to *Acta Crystallographica*, Section A

The Abstracts of the Communications to the Eighth International Congress of Crystallography and Topical Meetings to be held in the U.S.A. in August 1969 will be published as part S3 of *Acta Crystallographica*, Section A. It is hoped that this Supplement will be available in May 1969. It will be distributed free of charge not only to subscribers

to Section A, but also to those subscribers to Section B and to the *Journal of Applied Crystallography* who do not subscribe to Section A.

Bragg *Festschrift*

In March 1970 the Union journals (Section A and B of *Acta Crystallographica*, and the *Journal of Applied Crystallography*) will form a *Festschrift* in honour of the eightieth birthday of Professor Sir Lawrence Bragg, F.R.S. Contributions are invited, which may be either strictly scientific or of an informal or biographical nature. Scientific papers should be submitted in the ordinary way to the appropriate Co-editor; other contributions should be submitted to the Editor. In order to allow sufficient time for refereeing and printing the closing date for receipt of contributions is 31 July 1969.

Safe Use of X-ray Equipment

The following note has been received from the Commission on Crystallographic Apparatus:

With X-ray equipment, there is continual need to remind oneself of the potential dangers from radiation as well as those associated with high voltage. Use of equipment of this type involves a responsibility for the safety and health of one's colleagues and any other person who approaches the apparatus as well as for one's own protection. The dangers of radiation dosage are accentuated by the increasing power output of present-day X-ray generators.

The International Commission on Radiological Protection (I.C.R.P.) has had under consideration the revision of existing (1960) I.C.R.P. recommendations on the safe use of X-ray installations. A preliminary report of the available information has been published in *Health Physics* (1968) **15**, 481–486 by Professor B. Lindell. To assist in gathering further material and examples to assess the magnitude of the problem and the methods of lessening hazards, the International Commission on Radiological Protection would welcome comments and suggestions from crystallographers from their personal knowledge and practical experience. These should be sent to the I.C.R.P. Secretary, Dr. F. D. Sowby, I.C.R.P., Clifton Avenue, Sutton, Surrey, England.

This request provides an opportunity to remind X-ray users of the associated potentially serious hazards from the increasing generator power and the proliferation of automatic equipment. There is great need to ensure the incorporation of fail-safe protection devices. It is advisable that crystallographers re-read, on occasions, the available documents dealing with safety aspects of the use of X-rays and in particular, ensure that colleagues just beginning to use equipment should acquaint themselves with the necessary information. This is available not only in the article by Lindell referred to above but also in the earlier Report of the I. U. Cr. Commission on Crystallographic Apparatus [*Acta Cryst.* (1963) **16**, 324], while a later compilation by R. Rudman in *J. Chem. Ed.* (1967) **44**, A7 may be found useful.

International Union of Crystallography

Structure Reports

Volume 24 of *Structure Reports*, covering the literature for 1960, was published in November. The price is (Netherlands Guilders) f140 (or at present rates of exchange \$39 or £16.8s. Guilders) f140 (or at present rates of exchange \$39 or £16.8s.).

Full details of various price reductions for standing orders and of reduced personal prices for Structure Reports are given in *J. Appl. Cryst.* (1968) **1**, 196 and in *Acta Cryst.* (1968) **A24**, 703 and **B24**, 1398.

Orders

Structure Reports is published for the International Union of Crystallography by A. Oosthoek's Uitgevers Maatschappij N.V., Domstraat 11-13, Utrecht, The Netherlands. Orders can be placed with Oosthoek's or with any bookseller. All prices are post free from Oosthoek's.

Payments to Oosthoek's in U.S. dollars or pounds sterling may be made by cheque, which will be paid in to Oosthoek's account at the Chase Manhattan Bank, New York 15, N.Y., or the British Linen Bank, London, E.C. 2., respectively. No problems of U.S. or U.K. currency control arise with such transactions.

Orders from the North American area can also be placed with Polycrystal Book Service, P.O. Box 11567, Pittsburgh, Pa. 15238, U.S.A.

An informative prospectus for *Structure Reports*, showing specimen pages and giving price details for all volumes, can be obtained free of charge from Oosthoek's.

International Union of Crystallography

Prices of publications to customers in the Netherlands

Owing to the introduction of a turnover tax in the Netherlands, it will be necessary to increase the prices of some Union publications to customers in the Netherlands.

The increases will apply to the publications handled by A. Oosthoek's Uitgevers Mij N.V. and are: *Structure Reports* Dfl. 5.00 per volume (Dfl. 2.50 for personal subscribers), *Fifty Years of X-ray Diffraction* Dfl. 2.00, and *Sym-*

metry Aspects of M. C. Escher's Periodic Drawings Dfl. 1.00. The prices of the small incidental publications remain unaltered.

These increases do not apply to orders placed with Messrs. Oosthoek from countries outside the Netherlands.

International Union of Crystallography

Structure Reports

From time to time the Commission on *Structure Reports* requires new members to act as Co-editors for the production of volumes of *Structure Reports*, and also people who are willing to assist with the writing of critical reports for the Co-editors. Anybody who has an interest in assisting with this work of critical assessment and reporting of structural data, and maintaining the Union's bank of structural data in *Structure Reports* is invited to communicate with the General Editor: W. B. Pearson, Division of Pure Physics, National Research Council, Ottawa 7, Canada.

A Co-editor assumes responsibility for preparing the manuscript of either the Metals, Inorganic or Organic sections of *Structure Reports* for a single year, writing the reports, arranging for and coordinating the work of reporters who assist him/her, etc. Lists of papers to be reported are produced by the General Editor. The Union pays honoraria for the work, which contribute to the cost of the volumes, the monies being recovered by sales.

International Union of Crystallography

International Tables for X-ray Crystallography

Volume III (*Physical and Chemical Tables*) of *International Tables for X-ray Crystallography* has now been reprinted and is again available from the publishers, The Kynoch Press, Witton, Birmingham 6, England. The price is £6.10s. per copy. A preferential price of £3.15s. is available for *bona fide* crystallographers, who must give an undertaking when purchasing that the volume is for their *personal use only*. The prices for Volume I (*Symmetry Groups*) and Volume II (*Mathematical Tables*) are the same.

Book Reviews

Works intended for notice in this column should be sent direct to the Book-Review Editor (M.M. Woolfson, Physics Department, University of York, Heslington, York, England). As far as practicable books will be reviewed in a country different from that of publication.

Amphiboles (crystal chemistry, phase relations and occurrence). By W. G. ERNST. Pp. x + 125. New York: Springer-Verlag, 1968. Price DM 27,20. US \$ 6.80.

This book is the first to be published in a series of monographs entitled *Minerals, Rocks and Inorganic Materials*, and it is one of the sub-series *Experimental Mineralogy*. These volumes are intended to provide a medium for the publication of extensive reviews of selected topics, of a kind which are not catered for by the standard journals (and not normally by review journals), or by textbooks or advanced works of reference. The sub-series is intended to give for

particular mineral groups a critical presentation of the results and implications of phase equilibrium studies.

The amphibole minerals have a basically simple chain-like crystal structure, determined by Warren in 1929. Two varieties, crocidolite and amosite, are important industrially since they are the raw materials of many asbestos products, and many other amphiboles are of widespread geological occurrence in igneous and metamorphic rocks. Although the structure is simple it incorporates sites for large, medium and small sized atoms of varying valencies so that there is considerable chemical complexity. This perhaps explains the relative lack of detailed study on the crystal chem-