

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 Executive Secretary of the International Union of Crystallography (J. N. King, International Union of Crystallography, 13 White Friars, Chester CH1 1NZ, England).

The Walter C. Hamilton Memorial Fund

The Walter C. Hamilton Memorial Fund has been established to provide assistance to one or more students, chosen each year, to work in the Chemistry Department at Brookhaven National Laboratory or for such other purposes related to chemical research as may be deemed appropriate by a committee appointed by Associated Universities, Inc. (operators of BNL), which will collect and administer the fund. The committee consists of Dr Gerhardt Friedlander, Chairman (Department of Chemistry, Brookhaven National Laboratory, Upton, L. I., New York 11973, U.S.A.), Sidney C. Abrahams, David P., Shoemaker and Robert Thomas. Those wishing to participate in this memorial fund may send contributions to any committee member.

International Union of Crystallography Inter-Congress Conference Madrid, 22-26 April 1974

The Commission on Crystallographic Apparatus of the International Union of Crystallography is organizing a specialist inter-Congress 'Conference on Anomalous Scattering' to take place at the Consejo Superior de Investigaciones Científicas, Madrid, Spain, 22-26 April 1974.

The purpose of this conference is to assess the experimental and theoretical errors that arise in the measurement and interpretation of anomalous scattering of X-rays, neutrons and electrons. Topics under consideration include the accuracy of anomalous scattering measurement using characteristic X-radiation, continuous X-radiation, X-radiation at an absorption edge, neutrons and electrons; the effects of dispersion corrections on atomic parameters and the accuracy of the dispersion corrections; the application of anomalous scattering to structure determination; the probability of error in absolute configuration determination; the relation of absolute atomic arrangement to macroscopic tensorial properties; novel uses of anomalous scattering, such

as Mössbauer effect and electron scattering; other applications of anomalous scattering.

Participation in the Conference, which will be limited to a total attendance of about 125 specialists for optimum discussion and interaction, is by invitation only. Further information may be obtained from S. C. Abrahams, Bell Laboratories, Murray Hill, New Jersey 07974, U.S.A.

It is proposed to publish the proceedings of the Conference.

International Crystallography Conference on Diffraction Studies of Real Atoms and Real Crystals Melbourne, 19-23 August 1974

This conference is sponsored by the Australian Academy of Science in association with the International Union of Crystallography. The subject matter is arranged under 3 topics:

1. Real atoms in crystals
2. Nature of extended defects in solids
3. Use of dynamical effects in the study of crystals.

The basic theme of the meeting is the study of the atomic structure of the solid state, considered in respect of different levels of organization – on the primary level, of the fine details of electron density associated with individual atoms and molecules (topic 1), and, on the secondary level, of the way in which atomic and molecular arrays differ from the ideal and hence form defects of various types in real crystals (topic 2). The third section of the meeting will deal with advances in diffraction procedures – particularly with reference to X-ray and electron diffraction. This section then readily allows for association with the Eighth International Congress on Electron Microscopy, which will be held in Canberra, Australia, 25-31 August 1974.

Further information and copies of the *First Circular* may be obtained from The Secretary, International Crystallography Conference, Australian Academy of Science, P. O. Box 216, Civic Square, A.C.T. 2608, Australia.

Book Review

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 YO1 5DD, England). As far as practicable books will be reviewed in a country different from that of publication.

Chemical bonds in solids. Vol. 3. X-ray and thermodynamic investigations. Herausgegeben von N. N. SIROTA. S.xiii + 200, 84 Fig. und 58 Tabellen. New York: Plenum Press, 1972. Preis \$43.00.

Der vorliegende Band stellt zusammen mit drei anderen Bänden die Übersetzung eines zweibändigen russischen Werkes (Minsk, 1969) mit den auf dem internationalen

Symposium über die chemische Bindung in Halbleitern 1967 in Minsk gehaltenen Vorträgen dar. Die schon zur Tradition gewordenen Halbleiterkonferenzen in Minsk werden vom Institut für Festkörperphysik und Halbleiter der Belorussischen Akademie der Wissenschaften (Direktor: Akademie-Mitglied N. N. Sirota) durchgeführt und erfreuen sich einer regen Beteiligung nicht nur von sowjetischen Wissenschaftlern, sondern auch von namhaften ausländischen Fachkollegen.