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# **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 NZ, England).

## **Temperature Factors**

A number of recent X-ray and neutron diffraction studies have shown small

systematic discrepancies between X-ray and neutron temperature factors which are not readily understood and which do not appear related to errors in experimental measurements. In particular the ratio  $(U_{ii})_X((U_{ii})_N)$  seems frequently dependent on the value of *i*. To gain understanding of the source of such discrepancies and their possible significance the Commission on Neutron Diffraction of the IUCr decided, at the Amsterdam Congress, to gather information on X-ray and neutron diffraction temperature factors of crystals which have been studied accurately by both methods at identical temperatures.

Interested scientists are requested to send  $U_{ii}$  values together with information on the crystal symmetry and cell dimensions, the orientation of the specimen on the diffractometer, scattering factors used in the refinement, experimental temperature and experimental reproducibility as estimated by comparison of symmetry-related reflexions, and (for the neutron experiment only) the type of beam collimation and or Soller slits, type of analyser crystal used if any, and estimate of second order contamination of the beam, to either Dr P. Coppens. Chemistry Department, State University of New York at Buffalo, Buffalo, New York 14214, U.S.A., or Dr T. Koetzle, Chemistry Department, Brookhaven National Laboratory, Upton, Long Island, New York 11973, U.S.A. Results will be analysed at regular intervals depending on the available volume of the data and communicated to participating laboratories.

## **Book Reviews**

Works intended for notice in this column should be sent direct to the Book-Review Editor (J. H. Robertson, School of Chemistry, University of Leeds, Leeds LS2 9JT, England). As far as practicable books will be reviewed in a country different from that of publication.

Liquid phase epitaxy. By G. M. BLOM, S. L. BLANK and J. M. WOODALL. Pp. x + 332, Figs. 294, Tables 40. Amsterdam: North Holland, 1974. Price f160.00(about US \$66.75).

This special issue of the *Journal of Crystal Growth* presents the state of the art in the very important field of liquidphase epitaxic growth. Its utility in the production of complex device structures for CW injection lasers, solid-state