

## 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).*

### *Acta Crystallographica* Ten-year index 1958 – 1967

A cumulative index for Volumes 11–23 (1958–1967) of *Acta Crystallographica* has just been published, and is available directly from Munksgaard International Publishers Ltd, 35 Nørre Søgade, DK-1370 Copenhagen K, Denmark, or from Polycrystal Book Service, P.O. Box 11567, Pittsburgh, Pennsylvania 15238, U.S.A. The price is 120 Danish kroner (currently about U.S. \$20). Copies for the personal use of scientists, however, may be obtained at the special price of 60 Danish kroner. These prices include postage.

Not only does this cumulative index save the trouble of looking at the Indexes to thirteen separate Volumes (there

were six Volumes in the years 1965–1967), but it should also avoid the irritation liable to be caused by the changes in arrangement over the years. As in all earlier indexes, each of the Volumes 11–13 combined author and subject entries in a single alphabetical list. In all subsequent Volumes there are separate subject and author indexes, but with Volume 14 the author entries ceased to give the titles of the papers. These defects have been remedied in the cumulative index, which adopts the arrangement introduced with Volumes A24 and B24. That is to say there are separate subject and author indexes but the author index gives the full title of each paper once, each main entry being cross referenced under the names of all authors other than the first.

The complete index contains 146 pages and, like that for Volumes 1–10, is bound in a similar manner to the relevant issues of the journal.

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

**Electronic absorption and internal and external vibrational data of atomic and molecular ions doped in alkali halide crystals.** By S. C. JAIN, A. V. R. WARRIER and S. K. AGARWAL. Pp. 59. Springfield, Mass.: U.S. Department of Commerce, 1974. Price \$ 0.95.

Spectral data for more than 70 atomic and molecular ions when incorporated in the lattice of alkali halide crystals are tabulated in this useful inclusion in the *National Standard Reference Data System* series. 55 tables are given in three sections, the first of which is devoted to electronic absorption wavelengths. The second gives the vibrational frequencies of the internal modes of complex ions whilst the third deals with external vibrational frequencies.

Each table gives the wavelength associated with the particular absorptive process for each centre in a number of alkali halides together with a group-theoretical assignment for the transition.

The data that appear in the tables were selected on the basis of consistency amongst different authors.

This relatively cheap publication will provide a useful addition to the library of solid-state spectroscopists.

D. W. GOODWIN

*Department of Physics  
University of York  
Heslington  
York YO1 5DD  
England*

**Crystal structure transformations in binary halides.**

**NBS 41.** By C. N. R. RAO and M. NATARAJAN. Pp. v+43. Washington: National Bureau of Standards, 1972. Price not given.

A critical survey of the data describing crystal structure transformations in binary halides has been compiled with data on crystallographic, spectroscopic, thermodynamic and electrical properties being given for each transformation. Data is given for hydrogen, alkali, ammonia, alkaline earth, transition, rare earth and inert gas halides.

This volume is of interest to those involved in many fields of research involving solid-state spectroscopy.

D. W. GOODWIN

*Department of Physics  
University of York  
Heslington  
York YO1 5DD  
England*

**Crystalline solids.** By DUNCAN MCKIE and CHRISTINE MCKIE. Pp.x+628, Fig. 382, Tables 52. London: Nelson, 1974. Price £6.50.

Just before and just after the discovery of X-ray diffraction by crystals there was available a compendium of the status of crystallography entitled *Crystallography and practical*