

International Union of Crystallography

Acta Crystallographica *Journal of Applied Crystallography*

The Executive Committee of the International Union of Crystallography has found it necessary to increase the yearly subscription rates and also the prices of back numbers for *Acta Crystallographica* and *Journal of Applied Crystallography* as from 1 January 1977.

Acta Crystallographica

The following rates will apply for Volumes A33 and B33 (1977). All subscription rates are fixed in Danish kroner, and the U.S.dollar equivalents given below are subject to exchange-rate fluctuations.

Complete volumes, regular price per volume

Sections A & B (combined subscription)	D.kr. 1860	(\$ 310.00)
Section A only	D.kr. 465	(\$ 77.00)
Section B only	D.kr. 1565	(\$ 261.00)

Complete volumes, reduced price for individuals

Sections A & B (combined subscription)	D.kr. 770	(\$ 128.00)
Section A only	D.kr. 195	(\$ 32.00)
Section B only	D.kr. 650	(\$ 108.00)

All subscribers in the U.S.A. and Canada should add to the above subscription rates the additional charges for air-freighting as mentioned below.

The reduced-rate subscriptions are ordinarily only available to members of recognized scientific societies, and applications must be accompanied by a written undertaking that the journal is for the personal use of the subscriber and will not be made available to libraries, institutions, etc. These conditions also apply to persons wishing to order back numbers at the reduced rates.

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The prices of single parts are as follows:

Vol. A32	D.kr. 115	(\$19.00)
Vol. B32	D.kr. 195	(\$32.00)

Journal of Applied Crystallography

The following rates will apply for Volume 10 (1977). All subscription rates are fixed in Danish kroner, and the U.S. dollar equivalents given below are subject to exchange-rate fluctuations.

<i>Complete volumes,</i> <i>regular price per volume</i>	D.kr. 425	(\$71.00)
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<i>Complete volumes,</i> <i>reduced price for individuals</i>	D.kr. 210	(\$35.00)
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All subscribers in the U.S.A. and Canada should add to the above subscription rates the additional charge for air-freighting as mentioned below.

The same conditions apply to reduced-rate subscriptions as in the case of *Acta Crystallographica* (see above).

Single parts

The price for single parts of Volume 10 (1977) is D.kr. 105 (\$17.00).

Airfreighting of copies to the U.S.A. and Canada

Deliveries of *Acta Crystallographica* and *Journal of Applied Crystallography* to the U.S.A. and Canada in 1977 will continue to be by air freight to New York and thence by second class mail. The use of this service is obligatory for all subscribers in those countries. The charges in Danish kroner remain the same as in previous years, and are as given below.

Acta Crystallographica

Sections A & B (combined subscription)	Add D.kr. 70	(\$12.00)
Section A only	Add D.kr. 20	(\$ 3.50)
Section B only	Add D.kr. 50	(\$ 8.50)

Journal of Applied Crystallography

	Add D.kr. 20	(\$3.50)
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Since the charges are fixed in Danish kroner, the U.S.dollar equivalents are subject to exchange-rate fluctuations.

Prices of back numbers

The prices of back numbers have been increased so that they are the same as the subscription rates for the volumes to be published in 1977. The prices of Volumes 1-23 of *Acta Crystallographica*, which were published before the journal was divided into two sections, have been increased to the same price as the A volumes. The prices are fixed in Danish kroner and the U.S. dollar equivalents given below are subject to exchange-rate fluctuations.

Acta Crystallographica

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Vols. 1-23	D.kr. 465	(\$ 77.00)
Combined Vols. 24-32	D.kr.1860	(\$310.00)
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Vols. B24-B32	D.kr.1565	(\$261.00)

Complete volumes, reduced price for individuals

Vols. 1-23	D.kr.195	(\$ 32.00)
Combined Vols. 24-32	D.kr.770	(\$128.00)
Vols. A24-A32	D.kr.195	(\$ 32.00)
Vols. B24-B32	D.kr.650	(\$108.00)

Single parts

The prices of single parts are as follows:

Vols. A24-A32	D.Kr. 115	(\$19.00)
Vols. B24-B32	D.Kr. 195	(\$32.00)

Single parts of Volumes 1-23 are not available.

Journal of Applied Crystallography

Complete volumes, regular price per volume:

Vols. 1-9 D.kr.425 (\$71.00)

Complete volumes reduced price for individuals:

Vols. 1-9 D.kr.210 (\$35.00)

Single parts

The price of single parts is as follows:

Vols. 1-9 D.kr.105 (\$17.00)

Index of Crystallographic Supplies

The Commission on Crystallographic Apparatus of the International Union of Crystallography is preparing a Supplement to the Third Edition (1972) of the *Index of Cryst-*

Orders

Orders for *Acta Crystallographica* and *Journal of Applied Crystallography* may be addressed to Munksgaard International Publishers Ltd, 35 Nørre Søgade, DK-1370 Copenhagen K, Denmark. Orders for complete volumes from subscribers in North America may alternatively be placed through Polycrystal Book Service, P. O. Box 11567, Pittsburgh, Pa. 15238, U.S.A.

allographic Supplies. The Commission would appreciate receiving names and addresses of all manufacturers and suppliers not listed in the 1972 Index. *This information should be sent to Professor Reuben Rudman, Department of Chemistry, Adelphi University, Garden City, New York 11530, U.S.A.*

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.

Dynamical properties of solids. Vol. 2. Crystalline solids, applications. Edited by G. K. HORTON AND A. A. MARADUDIN. Pp. ix + 536. Amsterdam: North Holland, 1975. Price U.S. \$ 83.50, Dfl 210.00.

No one has yet attempted to write a book designed to replace *The Dynamical Theory of Crystal Lattices*, by M. Born and K. Huang, which was published in 1954, and it is unlikely that any individual will be so bold. As the editors of this volume point out, the dynamical properties of solids is an area which has seen tremendous advances in theory and experimental techniques over the past twenty years, and they have set themselves the task of making a coherent presentation of the subject that is 'authoritative, complete and entertaining', in three volumes. While I have some doubts about their entertainment value there is no doubt about the authoritative character and breadth of scope of the two volumes which have appeared so far. The first, in 1974, was sub-titled *Crystalline Solids, Fundamentals** and the third, when it appears, will have the subtitle *Crystalline and Non-crystalline Solids*. The ten chapters of the first volume had titles such as *Elements of the Theory of Lattice Dynamics, Phonons in Non-transition Metals, Self-consistent Phonons... Neutron Spectroscopy and Lattice Dynamics*. The emphasis was strongly theoretical, with only the last chapter written by an avowed experimentalist. The pattern is continued in the second volume, in fact no very clear division into 'fundamentals' and 'applications' can be discerned and one suspects that the order was to some extent determined by the order in which the authors

completed their contributions. All the chapters of volume two are by theoretical physicists, but they have tried (with different degrees of success) to achieve a balance by including appropriate experimental results.

The seven chapters of this second volume with their authors are *Lattice Dynamics of Quantum Crystals*, T. R. Koehler; *Lattice Dynamics of Ferroelectricity*, N. S. Gillis; *Lattice Dynamics of Molecular Solids*, O. Schnepp and N. Jacobi; *Second Sound and Related Thermal Conduction Phenomena*, H. Beck; *Dynamics of Impurities in Crystals*, D. W. Taylor; *High-Concentration Mixed Crystals and Alloys*, R. J. Elliott and P. L. Leath; *Effects of Surfaces in Lattice Dynamics*, R. F. Wallis.

These two volumes, soon to be three, will be essential reading for anyone with a serious interest in lattice dynamics. Born and Huang, incidentally, was published at £ 2.75. Alas!

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Crystal growth from high-temperature solutions. By D. ELWELL and H. J. SCHEEL. Pp. vii + 634, Figs. 179, Tables 54. London: Academic Press, 1975. Price £ 19.80.

This is an excellent book with a misleading title. It sounds as if it is just a book on the methods applied in a narrow field of crystal growth, but it contains much more: not only the question how, but also why to grow crystals from high-

* For a review of Vol. 1 of this book, see *Acta Cryst.* (1975). A31, 527.