

International Union of Crystallography

Acta Cryst. (1983), A39, 948–949

Prices of *Acta Crystallographica* and *Journal of Applied Crystallography*

The Executive Committee of the International Union of Crystallography is pleased that it has only been necessary to make a slight increase to the regular-price subscription rates and the prices of back numbers for *Acta Crystallographica* and *Journal of Applied Crystallography* as from 1 January 1984. The subscription rates for personal copies are unchanged.

Acta Crystallographica

The following rates will apply for Volumes A40, B40 and C40 (1984). Note that, except as single parts, Sections B and C are only available together. All subscription rates are fixed in Danish kroner, and the US dollar equivalents given below are subject to exchange-rate fluctuations and amendment without notice.

Complete volumes, regular price per volume

Sections A, B & C (combined subscription)	Dkr 5250	(\$584)
Section A only	Dkr 1275	(\$142)
Sections B & C (combined subscription)	Dkr 4200	(\$467)

Complete volumes, reduced price for individuals

Sections A, B & C (combined subscription)	Dkr 1380	(\$154)
Section A only	Dkr 330	(\$37)
Sections B & C (combined subscription)	Dkr 1150	(\$128)

All subscribers in the USA 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.

Single parts

The prices of single parts are as follows:

Vol. A 40	Dkr 320	(\$36)
Vol. B 40	Dkr 320	(\$36)
Vol. C 40	Dkr 320	(\$36)

Journal of Applied Crystallography

The following rates will apply for Volume 17 (1984). All subscription rates are fixed in Danish kroner, and the US

dollar equivalents given below are subject to exchange-rate fluctuations and amendment without notice.

<i>Complete volumes, regular price per volume</i>	Dkr 1275	(\$142)
<i>Complete volumes, reduced price for individuals</i>	Dkr 400	(\$45)

All the subscribers in the USA 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 17 (1984) is Dkr 320 (\$36)

Airfreighting of copies to the USA and Canada

Deliveries of *Acta Crystallographica* and *Journal of Applied Crystallography* to the USA and Canada in 1984 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 are as given below.

Acta Crystallographica

Sections A, B & C (combined subscription)	Add Dkr 280	(\$32)
Section A only	Add Dkr 70	(\$8)
Sections B & C (combined subscription)	Add Dkr 210	(\$24)

Journal of Applied Crystallography Add Dkr 70 (\$8)

Since the charges are fixed in Danish kroner, the US dollar equivalents are subject to exchange-rate fluctuations.

Prices of back numbers

In response to requests, back volumes of Section B and Section C may be purchased separately. All these prices are fixed in Danish kroner and the US dollar equivalent given below are subject to exchange-rate fluctuations.

Acta Crystallographica

Complete volumes, regular price per volume

Vols. 1–23	Dkr 1275	(\$142)
Combined Vols. 24–38	Dkr 4600	(\$511)
Combined Vol. 39	Dkr 5250	(\$584)
Vols. A24–A39	Dkr 1275	(\$142)
Vols. B24–B38	Dkr 3500	(\$389)
Vol. B39	Dkr 1450	(\$162)
Vol. C39	Dkr 2900	(\$323)
Combined Vols. B39 and C39	Dkr 4200	(\$467)

Complete volumes, reduced price for individuals

Vols. 1–23	Dkr 330	(\$37)
Combined Vols. 24–38	Dkr 1300	(\$145)
Combined Vol. 39	Dkr 1380	(\$154)
Vols. A24–A39	Dkr 330	(\$37)
Vols. B24–B38	Dkr 1050	(\$117)
Vol. B39	Dkr 400	(\$45)
Vol. C39	Dkr 800	(\$89)
Combined Vols. B39 and C39	Dkr 1150	(\$128)

Single parts

The prices of single parts are as follows:

Vols. A24–A39	Dkr 320	(\$36)
Vols. B24–B39	Dkr 320	(\$36)
Vol. C39	Dkr 320	(\$36)

Single parts of Volumes 1–23 are not available.

Cumulative Indexes, regular price

Vols. 11–23 (1958–1967)	Dkr 120	(\$14)
Vols. 24–28 (1968–1972)	Dkr 120	(\$14)

Cumulative Indexes, reduced price for individuals

Vols. 11–23 (1958–1967)	Dkr 60	(\$7)
Vols. 24–28 (1968–1972)	Dkr 60	(\$7)

A few copies of the cumulative index for Volumes 1–10 (1948–1957) are also available, free of charge.

*Journal of Applied Crystallography**Complete volumes, regular price per volume*

Vols. 1–16	Dkr 1275	(\$142)
------------	----------	---------

Complete volumes, reduced price for individuals

Vols. 1–16	Dkr 400	(\$45)
------------	---------	--------

Single parts

The price of single parts is as follows:

Vols. 1–16	Dkr 320	(\$36)
------------	---------	--------

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 from subscribers in North America may alternatively be placed through Polycrystal Book Service, PO Box 27, Western Springs, Ill 60558, USA.

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.

Acta Cryst. (1983), **A39**, 949–950

Interfacial aspects of phase transformations. Edited by B. MUTAFTSCHIEV. Pp. x + 708. Dordrecht: Reidel, 1982. Price Dfl 185.00, US \$79.00

This book is a collection of lectures presented at the NATO Advanced Study Institute on 'Interfacial Aspects of Phase Transformations', held in Erice (Sicily) in 1981. The Institute was the seventh course of the International School of Crystallography, established in the Center of Scientific Culture 'Ettore Majorana' in 1974.

This book consists of twenty-seven papers covering six basic areas: structure of interfaces, physisorption and chemisorption, nucleation, surface thermodynamics and kinetics, crystal growth and crystallization, and new observation techniques applied to crystallography. The reader will find in the first three chapters (Bauer, Gaspard, Mutaftschiev) descriptions of clean crystal surfaces, their structure, energy and thermodynamics, followed by a similar treatment of two-dimensional phases on foreign substrates (Gaspard, Domany). The consideration of the structure and behaviour of more complicated interfaces is contained in three further chapters (Bonissent, Franks, Gleiter). The next part is devoted to problems of interfacial kinetics. It begins with a general overview of elementary processes (Cole-Toigo) and

covers their principal applications in phase transformations: homogeneous nucleation (Katz), substrate nucleation and coalescence of small particles (Kern), and crystal growth (Rosenberger). In the next twelve chapters, the cases treated are: physisorption (Webb-Bruch), chemisorption (Bauer, Oudar), and crystal growth in the several practically important systems, vapor (Cadoret), melt (Sekerka), aqueous solutions (Simon), biological systems (Franks), non-aqueous solutions (Boistelle), electrocrystallization (Budevski) and recrystallization (Gleiter), together with two special topics, the action of impurities (Boistelle) and dissolution (Simon). Some experimental methods for studying morphology are presented in the last two chapters (Bedarida, Bethe).

As we know, a lot of physical phenomena such as dissolution, vaporization, crystal growth and crystallization as well as other traditional phase transformations occur at interfaces. These phenomena are governed by the structure, energy, thermodynamics and kinetics of the phase interface as well as by the heat and mass-transfer conditions which occur at and near the phase interface. This book emphasizes the common fundamentals in closely related areas to promote the interpenetration of the various disciplines. Hence, this book is an excellent research monograph of surface science and crystal growth.

Most of the articles are well written with a lucid style.