

## International Union of Crystallography

### Prices of publications of the Union

As a result of changes in exchange rates in December 1971 the prices of the Union's publications in U.S. dollars and, in the case of *Structure Reports* and other books published for the Union by Oosthoek's in The Netherlands, in sterling have been revised. A full list of prices, together with the prices in dollars and sterling according to exchange rates effective in January 1972, is given below.

#### 1. The Union's Journals

##### *Acta Crystallographica*

##### (a) Subscription rates for 1972 (Volume 28)

###### *Complete volumes, regular price per volume*

Combined subscription, Sections A & B	D.kr. 1000 (\$146.00 or £56.25)
Section A only	D.kr. 250 (\$ 36.50 or £14.05)
Section B only	D.kr. 850 (\$124.00 or £47.80)

###### *Complete volumes, reduced price for individuals*

Combined subscription, Sections A & B	D.kr. 400 (\$58.40 or £22.50)
Section A only	D.kr. 100 (\$14.60 or £ 5.60)
Section B only	D.kr. 340 (\$49.70 or £19.10)

###### *Single parts*

Section A	D.kr. 60 (\$ 8.80 or £3.40)
Section B	D.kr. 100 (\$14.60 or £5.60)

##### (b) Prices of back numbers

###### *Complete volumes, regular price per volume*

Vols. 1-4	D.kr. 150 (\$ 21.90 or £ 8.45)
Vols. 5-17	D.kr. 240 (\$ 35.00 or £13.50)
Vols. 18-23	D.kr. 200 (\$ 29.20 or £11.25)
Vols. A24-A25	D.kr. 200 (\$ 29.20 or £11.25)
Vols. B24-B25	D.kr. 500 (\$ 73.00 or £28.15)
Combined Vols. 24-25	D.kr. 600 (\$ 87.60 or £33.75)
Vols. A26-A27	D.kr. 250 (\$ 36.50 or £14.05)
Vols. B26-B27	D.kr. 850 (\$124.00 or £47.80)
Combined Vols. 26-27	D.kr. 1000 (\$146.00 or £56.25)

###### *Complete volumes, reduced price for individuals*

Vols. 1-4	D.kr. 75 (\$11.00 or £ 4.20)
Vols. 5-17	D.kr. 120 (\$17.50 or £ 6.75)
Vols. 18-23	D.kr. 100 (\$14.60 or £ 5.60)
Vols. A24-A25	D.kr. 100 (\$14.60 or £ 5.60)
Vols. B24-B25	D.kr. 250 (\$36.50 or £14.05)
Combined Vols. 24-25	D.kr. 300 (\$43.80 or £16.90)
Vols. A26-A27	D.kr. 100 (\$14.60 or £ 5.60)
Vols. B26-B27	D.kr. 340 (\$49.70 or £19.10)
Combined Vols. 26-27	D.kr. 400 (\$58.40 or £22.50)

###### *Single parts*

Vols. 1-4	D.kr. 30 (\$ 4.40 or £1.70)
Vol. 5	D.kr. 60 (\$ 8.80 or £3.40)
Vols. 6-17	D.kr. 30 (\$ 4.40 or £1.70)
Vols. 18-23	D.kr. 50 (\$ 7.30 or £2.80)
Vols. A24-A25	D.kr. 50 (\$ 7.30 or £2.80)
Vols. B24-B25	D.kr. 60 (\$ 8.80 or £3.40)

Vol. A25 part S3 (Abstracts supplement)	D.kr. 75 (\$11.00 or £4.20)
Vols. A26-A27	D.kr. 60 (\$ 8.80 or £3.40)
Vols. B26-B27	D.kr. 100 (\$14.60 or £5.60)

##### *Journal of Applied Crystallography*

##### (a) Subscription rates for 1972 (Volume 5)

###### *Complete volumes, regular price per volume*

D.kr. 300 (\$43.80 or £16.90)

###### *Complete volumes, reduced price for individuals*

D.kr. 150 (\$21.90 or £ 8.45)

###### *Single parts*

D.kr. 75 (\$11.00 or £ 4.20)

##### (b) Prices of back numbers

###### *Complete volumes, regular price per volume*

Vols. 1-4 D.kr. 240 (\$35.00 or £13.50)

###### *Complete volumes, reduced price for individuals*

Vols. 1-4 D.kr. 120 (\$17.50 or £ 6.75)

###### *Single parts*

Vols. 1-4 D.kr. 60 (\$ 8.80 or £ 3.40)

Orders should be addressed to Munksgaard International Publishers Ltd, Nørre Søgade 35, 1370 Copenhagen K, Denmark or to any bookseller. Orders for complete volumes from subscribers in the North American area may alternatively be placed through Polycrystal Book Service, P.O. Box 11567, Pittsburgh, Pa. 15238, U.S.A. at the U.S. dollar prices shown above. The reduced rate subscriptions for individuals are ordinarily only available to members of recognized scientific societies, who must give a written undertaking accompanying their subscription application that the journal is for their personal use only, and will not be made available to libraries, institutions, etc.

#### 2. International Tables for X-ray Crystallography

The sterling prices of *International Tables for X-ray Crystallography* remain unaltered at £6.50 per volume, with a preferential price of £3.75 for *bona fide* crystallographers purchasing a copy for their own use. The equivalent dollar prices are now \$17.00 and \$10.00. Orders may be placed direct with the publishers, The Kynoch Press, P.O. Box 216, Witton, Birmingham 6, England, with Polycrystal Book Service, P.O. Box 11567, Pittsburgh, Pa. 15238, U.S.A. or with any bookseller.

#### 3. Structure Reports and other publications of the Union

The prices of these publications are given in Netherlands Guilders (*f*) with the current equivalent dollar and sterling prices in parentheses.

##### (i) Structure Reports

Volume 8	<i>f</i> 80 (\$25.00 or £ 9.60)
Volume 9	<i>f</i> 70 (\$22.00 or £ 8.40)
Volume 10	<i>f</i> 55 (\$17.00 or £ 6.60)
Volume 11	<i>f</i> 100 (\$31.00 or £12.00)
Volume 12	<i>f</i> 70 (\$22.00 or £ 8.40)
Volume 13	<i>f</i> 100 (\$31.00 or £12.00)

Volume 14	f 35 (\$11.00 or £ 4-20)
Volume 15	f 110 (\$34.00 or £13-20)
Volume 16	f 120 (\$37.50 or £14-40)
Volume 17	f 125 (\$39.00 or £15-00)
Volume 18	f 120 (\$37.50 or £14-40)
Volume 19	f 100 (\$31.00 or £13-20)
Volume 20	f 100 (\$31.00 or £13-20)
Volume 21	f 100 (\$31.00 or £13-20)
Volume 22	f 140 (\$43.50 or £16-80)
Volume 23	f 120 (\$37.50 or £14-40)
Volume 24	f 140 (\$43.50 or £16-80)
Volume 25	f 90 (\$28.00 or £10-80)
Volume 26	f 140 (\$43.50 or £16-80)
Volume 27	f 200 (\$62.00 or £24-00)

Volume 2	f 35 (\$11.00 or £4-30)
Volume 3	f 55 (\$17.00 or £6-50)

## Private subscribers' prices:

Volume 1	f 32 (\$10.00 or £3-90)
Volume 2	f 27 (\$ 8.50 or £3-30)
Volume 3	f 39 (\$12.50 or £4-70)

*Fifty Years of X-ray Diffraction* (P. P. Ewald)  
f 40 (\$12.50 or £4-80)

*Symmetry Aspects of M. C. Escher's Periodic Drawings*  
(C. H. MacGillavry)  
f 24 (\$ 7.50 or £2-90)

*Early Papers on Diffraction of X-rays by Crystals*  
(first volume - J. M. Bijvoet, W. G. Burgers & G. Hägg)  
f 48 (\$15.00 or £5-80)

*World Directory of Crystallographers*, fourth edition  
f 17 (\$ 5.00 or £2-00)

*Index of Crystallographic Supplies*, third edition  
f 10 (\$ 3.50 or £1-35)

Bibliographies on X-ray diffraction at high and low temperatures, on methods of obtaining monochromatic X-rays and neutrons and on small-angle scattering, a *Crystallographic Book List* and a *World List of Crystallographic Computer Programs* (second edition) are all priced f 10 (\$3.50 or £1-35).

Orders for *Structure Reports*, or for any of the other publications listed below, may be placed with the publishers, N.V. A. Oosthoek's Uitgevers Mij., Domstraat 5-13, Utrecht, The Netherlands, with Polycrystal Book Service, P.O. Box 11567, Pittsburgh, Pa. 15238, U.S.A. or with any bookseller. Special price reductions are available on *Structure Reports* for standing orders and for ten-year sets, and for private subscribers purchasing copies for their own use. Details may be obtained from the publishers, Oosthoek's, or from Polycrystal Book Service.

## (ii) Other Publications

*Molecular Structures and Dimensions*

Volume 1 f 45 (\$14.00 or £5-40)

## 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.*

### Interpretation of X-ray powder diffraction patterns.

By H. LIPSON and H. STEEPLE. Pp. viii + 335. London: Macmillan, 1970. Price £4-00.

Powder diffraction may be described as the Cinderella of crystallography, often pushed aside in the urge to get on with structural determination using the more elegant and glamorous single-crystal methods. Powder photographs may be described as the work-horse of crystallography, serving day-to-day uses in the fields of metallurgy, mineralogy and chemistry, often by practitioners who do not recognize the full potential of the method. This book would help them to appreciate more fully the power and limitations of the method.

Teaching the fundamentals of crystallography may be approached from considerations of symmetry, geometrical and optical properties, but the use of X-rays in the study of crystals may well

be approached through basic and elementary concepts of the powder method. As a revised extension of part of the previous undergraduate textbook by Henry, Lipson & Wooster this book aims to be complete in itself, and thus carries introductory chapters on crystal lattices and symmetry and the geometry of X-ray reflexion, as well as one on the nature and generation of X-rays before proceeding to the recording, measuring and interpretation of X-ray powder photographs. In the generation of X-rays, the gas tube is dismissed as no longer of importance in a world where the hot cathode dominates. Yet the appendix, which has a number of useful numeric and atomic property tables, also carries recipes for metal plating - presumably for gas tube targets. It would appear that the decision to revise the section on X-ray tubes did not carry through to these laboratory crafts.

The interpretation of the powder photographs in terms of crystal symmetry

and structure forms the main discussion; lesser sections appear on line broadening and identification of crystalline materials. Considering the importance of identification in applied X-ray photography, it is unfortunate to see this aspect so lightly treated. An assignment to the student to prepare the powder data on a substance not previously recorded would be a healthy educational exercise, and would at the same time extend the data bank which is, at present, a limitation in the use of the method. Of the twenty-five problems given in the text, two concern elementary aspects of identification. As a whole, the problems present an imaginative challenge and a measure of appreciation of the subject. They add considerably to the usefulness of the text in formal or self instruction.

The book carries no standard book number, which is now rarely omitted on books published in Great Britain. The growing importance of this system in