

International Union of Crystallography

Acta Cryst. (1983). **B39**, 139

Notes for Authors

Revised *Notes for Authors* have been published in the January issue of *Acta Cryst.*, Section A, pages 174–186. Copies may be obtained from any of the editors. Appendix I in the *Notes* includes the criteria for publication of a paper in Section B; these are reproduced here for the benefit of authors:

1. The paper must contain a major structural element. This component may be an original determination of one or more structures (a single structure should generally have been studied under more than one condition of temperature or pressure), a theoretical structural investigation including new methodology, or a study of structural relationships based on a search of the literature. The calibre of this component should be at least as high as was previously required for acceptance in Section B up to 1982.

2. The paper should also present an experimental and/or theoretical contribution to one of the natural sciences that is novel, original and of high quality.

3. The paper should combine these two types of contribution to provide new structural insight for that science or for crystallography.

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Structure Reports

Volume 47A of *Structure Reports* has recently been published. It comprises four indexes (350 pages in all), covering the literature for metals and inorganic compounds for 1913–1980 (metal, inorganic and mineral indexes and,

for 1971–1980, an author index). The price of the new volume is 51 Netherlands guilders for subscribers with standing orders. The full price for individual copies is 60 guilders but personal subscribers may buy a copy for their own use at 30 guilders. Orders for this publication may be placed direct with the publishers, D. Reidel Publishing Company, PO Box 17, 3300 AA Dordrecht, The Netherlands, with Polycrystal Book Service, PO Box 27, Western Springs, IL 60558, USA, or with any bookseller. Please note the new address of Polycrystal Book Service.

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Molecular Structures and Dimensions

The International Union of Crystallography and the Cambridge Crystallographic Data Centre have published Volume 13 of the series, entitled *Bibliography 1980–81, Organic and Organometallic Crystal Structures*. It contains bibliographic information on 3610 structures published during 1980–81. As in previous volumes the entries are arranged in 86 chemical classes and cover organic compounds, complexes and organometallic compounds. There are extensive indexes for authors, compound names, formulae and, for the first time, chemical diagrams. The new chemical diagram index should prove to be an invaluable tool for scanning the literature. The price of the new volume is 135 Netherlands guilders. Personal copies may be purchased at a reduced price of 101 Netherlands guilders.

Orders may be placed direct with the publisher, D. Reidel Publishing Company, PO Box 17, 3300 AA Dordrecht, The Netherlands, with Polycrystal Book Service, PO Box 27, Western Springs, IL 60558, USA, or with any bookseller. Please note the new address of Polycrystal Book Service.

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.

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Structural crystallography in chemistry and biology: benchmark papers in physical chemistry and chemical physics. Vol. 4. Edited by J. P. GLUSKER. Pp. xx + 421. Hutchinson Ross Publishing Co., distributed by Academic Press, New York, 1981. Price £33.00, US \$50.00.

This book contains 59 key papers in X-ray crystallography from 1912 to 1977. It starts with the discovery of X-ray diffraction from a crystal of copper sulphate by von Laue,

Friedrich and Knipping, and it ends with the structure of the protein disk of the tobacco mosaic virus by Anne Bloomer and others. This collection of papers is no substitute for a textbook of X-ray analysis, such as its author has already published [Glusker, J. & Trueblood, K. (1972). *Crystal Structure Analysis: A Primer*. Oxford Univ. Press], but it provides perspective for newcomers and refreshes the memories of old hands like me. The papers are grouped into 25 sections, each preceded by a lucid introductory text for the uninitiated and accompanied by references to further literature. The first seven papers deal with the history of structure determination by diffraction, the next 19 with