

Crystallographers

J. Appl. Cryst. (1996). **29**, 746

M. H. Mueller 1918–1996

Melvin H. Mueller died of heart disease Friday 28 June 1996. Mel, as he was known to all his friends, was born 22 February 1918 in Spencer, Iowa and graduated PhD in Chemistry from the University of Illinois in 1949. After several years at Deere & Company, the US Rubber Company and the University of Illinois, he joined the Argonne National Laboratory in 1960; he was a Senior Scientist at Argonne when he retired. Mel was very active in actinide structural research and published numerous papers in that field. He continued a successful collaboration with his Argonne colleagues after retirement. He made many significant contributions to powder diffraction methods. Among them, his 1960 least-squares program for lattice-parameter determination written with LeRoy Heaton and K. T. Miller is still highly regarded and widely used. He collected the first set of single-crystal neutron diffraction data on the CP-5 reactor, in collaboration with Sid Sidhu and Stan Simonsen. His knowledge of the numerous uranium phases, including anisotropic grain growth in bulk uranium (later used as a target material at the IPNS spallation neutron source at Argonne), led to phase characterization of the uranium silicides. Mel also made numerous major contributions to a variety of scientific organizations. In all of them, his was a voice of reason and compassion in difficult situations. He served most effectively as Secretary of the American Crystallographic Association from 1973 to 1975, undertaking any task that would advance the ACA regardless of the time and effort required. He was later appointed to the American Institute of Physics Governing Board from 1981 to 1987, serving as a Member of the Executive Committee from 1985 to 1986, and is remembered as a very thoughtful and supportive member of both AIP governance bodies. He also served on the International Centre for Diffraction Data (ICDD) Board of Directors from 1991 to 1995. His association with the ICDD goes back to its predecessor, the Joint Committee on Powder Diffraction Standards. He served on a number of ICDD committees after retiring from Argonne. His work on the Metals and Alloys Subcommittee resulted in the recently produced *Metals & Alloys Search Manual* being always current and available in a form that was most useful both for newcomers and those more experienced in the field. Mel chaired the Grants-in-Aid Committee

from 1989 to 1993, a period over which the number of grant recipients, especially from overseas, increased significantly; much of this increase is directly attributable to Mel's efforts. Ancillary to his own studies, many first-rate powder diffraction patterns were developed that he then contributed to the Powder Diffraction File. His positive attitude toward life and its challenges earned him a host of lasting friends. He will long be remembered by them as a fine scientist, an enthusiastic collaborator, and a compassionate human being who will be sadly missed.

S. C. ABRAHAMS,
R. JENKINS & R. A. YOUNG

New Commercial Products

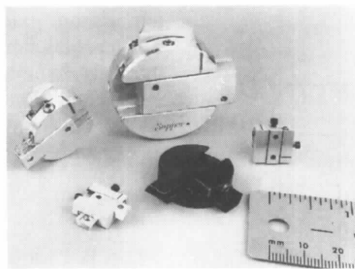
Announcements of new commercial products are published by the Journal of Applied Crystallography free of charge. The descriptions, up to 300 words or the equivalent if a figure is included, should give the price and the manufacturer's full address. Full or partial inclusion is subject to the Editor's approval and to the space available. All correspondence should be sent to the Editor, Dr A. M. Glazer, Editor Journal of Applied Crystallography, Clarendon Laboratory, University of Oxford, Parks Road, Oxford OX1 3PU, England.

The International Union of Crystallography can assume no responsibility for the accuracy of the claims made. A copy of the version sent to the printer is sent to the company concerned.

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Charles Supper Company, Inc., Donald E. Goodwin, VP Marketing, 15 Tech Circle, Natick, MA 01760, USA.

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FTS Systems, PO Box 158, Route 209, Stone Ridge, New York 12484, USA.

International Union of Crystallography

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Prices of IUCr journals

The Executive Committee of the International Union of Crystallography is pleased to announce that there will

be no price increase for *Journal of Synchrotron Radiation* in 1997. There will be a 5% discount on the prices of the individual sections for subscribers taking out combined subscriptions to Sections A+B+C+D and Sections A+B+C of *Acta Crystallographica*. Individuals may also take out a combined subscription to Sections A+B+D at a discount of 5%. Subscribers taking out a combined subscription to *Journal of Applied Crystallography* and *Journal of Synchrotron Radiation* will receive a discount of 25%.

The Executive Committee has determined the following subscription rates and prices of back numbers for *Acta Crystallographica*, *Journal of Applied Crystallography* and *Journal of Synchrotron Radiation* as from 1 January 1997.

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Single parts of Volumes 1–23 are not available. The price of single parts of any section of other volumes is Dkr 535.

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Vols. 11–23 (1958–1967)	Dkr 145
Vols. 24–28 (1968–1972)	Dkr 145
Vols. 29–38 (1973–1982)	Dkr 180
Vols. 39–43 (1983–1987)	Dkr 180

Cumulative Indexes, reduced price for individuals

Vols. 11–23 (1958–1967)	Dkr 70
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Vols. 29–38 (1973–1982)	Dkr 85
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Cumulative Indexes for Vols. 1–20 (1968–1987)

<i>Regular price</i>	Dkr 180
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*Journal of Synchrotron Radiation**Complete volumes, regular price per volume*

Vols. 1/2–3	Dkr 2750
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Books Received

The following books have been received by the Editor. Brief and generally uncritical notices are given of works of marginal crystallographic interest; occasionally, a book of fundamental interest is included under this heading because of difficulty in finding a suitable reviewer without great delay.

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Mineral scale formation and inhibition. Edited by Z. AMJAD. Pp. xiii

+ 354. New York: Plenum Publishing Corporation, 1995. Price \$110.00. ISBN 0-306-45195-6. Proceedings of an American Chemical Society symposium on the title topic held in August 1994 in Washington, DC. The book 'provides an introduction to the type and severity of scaling problems in both industrial and biological systems'.

Admixtures in crystallization. By J. NYVLT and J. ULRICH. Pp. 390. Weinheim: VCH Verlagsgesellschaft, mbH, 1995. Price DM 298.00. ISBN 3-527-28739-6. A brief review of the still largely empirical studies of the effects of additives on the crystallization process is followed by tabulations of the effects of various organic and inorganic admixtures on the crystallization of over 300 organic and inorganic substances. Few of the 1750 literature references are to particularly recent work.

Electrooptic effects in liquid crystal materials. By L. M. BLINOV and V. G. CHIGRINOV. Pp. xvii + 464. Berlin: Springer-Verlag, 1996. Price DM 89.00. ISBN 0-387-94708-6. This is a 'Study Edition' of the 1993 hardcover version of this work. The book 'by two of the leaders in liquid-crystal research in Russia, presents a complete and accessible treatment of virtually all known phenomena occurring in liquid crystals under the influence of electric fields'.