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Book Reviews

Works intended for notice in this column should be sent direct to the Book-Review Editor (R. F. Bryan, Department of Chemistry, University of Virginia, McCormick Road, Charlottesville, Virginia 22901, USA). As far as practicable, books will be reviewed in a country different from that of publication.

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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.

Supramolecular architecture. Synthetic control in thin films and solids. ACS Symposium Series 499. Edited by THOMAS BEN. Pp. xi + 444. Washington, DC: American Chemical Society, 1992. Price \$97.95. ISBN 0-8412-2460-9. The volume derives from a symposium sponsored by the Division of Inorganic Chemistry at the American Chemical Society meeting held in Atlanta, GA, in April 1991. It contains 27 contributions in three main areas: two-dimensional assemblies, thin films; layered and low-dimensional structures; and three-dimensional assemblies and amorphous networks. Many of the contributions contain the results of X-ray structural studies and most are updated to early 1992.

Fullerenes. Synthesis, properties, and chemistry of large carbon clusters. ACS Symposium Series 481. Edited by GEORGE S. HAMMOND and VALERIE J. KUCK. Pp. xiii + 195. Washington, DC: American Chemical Society, 1992. Price \$44.95. ISBN 0-8412-2182-0. This volume derives from a 'Fast Breaking Events Symposium' organized at the American Chemical Society meeting held in Atlanta, GA, in April 1991. It presents some of the earliest X-ray, NMR, mass spectrometric and thermal studies of fullerenes and their metal complexes. The contributions have been reviewed and most are updated to August 1991.

Proton conductors – solids, membranes and gels – materials and devices. By PHILLIPE COLOMBAN. Pp. xxxii + 581. Cambridge University Press, 1992. Price £75.00. ISBN 0-521-38317-X. The stated aim of this book is 'to give a comprehensive survey of the chemical and physical parameters governing proton conduction. It includes descriptions of the preparation, structures and properties of typical materials (glasses, crystals, ceramics, metals, organic and inorganic polymers) and of devices'.