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Paper and Paperboard — Manufacturing and Converting Fundamentals. By J.E. Kline, Miller Freeman Publications Inc., San Francisco, 1991. 245pp. Price \$45.00 (US). ISBN 0-87930-190-2.

The paper and paperboard industries have had a single guide to their products and processing for several years now. This guide was the first edition of this volume, which was produced by Kline in 1982. Ten years of new techniques and products have now been incorporated into this new volume to produce the second edition. New trends are incorporated alongside the basic, fundamental knowledge which has been kept over from the first edition. The main new sections explained herein are mechanical pulping developments, computer control, new or improved coating methods, end-use requirements and, perhaps the largest trend in the paper industry, recycling. These topics are all stressed from an industrial and practical viewpoint, as opposed to the theoretical slant present in many such books.

Whilst this volume was originally designed as a learning text for students, it is suitable as both an introductory book to newcomers to the field and as a overview volume for more experienced paper based industrialists and cellulose (or broad polymer) based scientists. The volume will also be of considerable use to those involved in the buying and selling of paper based products.

Overall this volume has well written text, with an excellent index and a wide selection of diagrams which should be of interest to all of the groups mentioned earlier. Purchase, however, is likely to be limited to specific industrially based interested parties. Our advice to any party interested in this field, however, is to examine this volume as a starting point. If it does not possess all of the information that you require it will at least point you in the right direction.

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