

## BOOK REVIEW

**Pulse Methods in 1D and 2D Liquid-Phase NMR.**  
Edited by W. S. BREY. Academic Press, San Diego,  
1988. 556 pp. \$90.

This monograph covers the complete range of NMR experiments currently available to study liquid samples. It begins with a chapter on basic methodology which provides an excellent introduction to those not familiar with modern NMR techniques. The second chapter on density operator theory provides a lucid explanation of the analysis of spin dynamics. There are chapters on spectral editing, polarization transfer, multiple quantum spectroscopy, two-dimensional NMR, biological systems and polymers, and a final chapter on recent NMR developments. The book is written at a level which will appeal to both practicing spectroscopists and newcomers to the field. Unfortunately this book deals solely with the liquid state and gives no information concerning the study of catalysts

or any application of solid state NMR. However, the book might be valuable to those studying homogeneous catalysts or structural properties of liquid materials produced from catalysts. It is a valuable text for a spectroscopist but probably of limited usefulness to the average catalyst researcher.

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