

Reading List (Provided by Ed Stejskal and Dave Morgan)

* Reference Articles

* Books

VARIOUS REFERENCE ARTICLES FOR SOLID STATE NMR FROM 1946-1988

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Major texts and reference books of interest to the solid state NMR spectroscopist:

DICTIONARIES AND ENCYCLOPEDIAS:

S. W. Hohmans, "A Dictionary of NMR Concepts," Clarendon Press, Oxford, 1989. Answers for the modern NMR spectroscopist's questions. Repetitious instead of ruthlessly cross referenced; as a result, easy to use.

R. Freeman, "A Handbook of Nuclear Magnetic Resonance," John Wiley & Sons, New York, NY, 1987. Answers to (mostly) qualitative questions.

"Encyclopedia of Nuclear Magnetic Resonance," Editors: David Grant and Robin Harris. John Wiley, New York, NY, 1995. Eight volumes. First volume gives historical perspective.

APPLIED AND/OR QUALITATIVE APPROACHES

Eiichi Fukushima and Stephen B. W. Roeder, "Experimental Pulse NMR," Addison-Wesley, Reading, MA, 1981. Students love the approach.

Colin A. Fyfe, "Solid State NMR for Chemists," C. F. C. Press, Guelph, Ontario, Canada, 1983. Lots of examples; getting out of date.

Thomas C. Farrar and Edwin D. Becker, "Pulse and Fourier Transform NMR," Academic Press, New York, 1971. Basic.

Thomas C. Farrar, "Pulsed Nuclear Magnetic Resonance Spectroscopy," Farragut Press, Madison, WI, 1989. Update of the above; easy to take.

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T. C. Farrar and J. E. Harriman, "Density Matrix Theory and its Applications in Spectroscopy," Farragut Press, Madison, WI, 1989. See also: T. C. Farrar, Concepts Magn. Reson., 2, 1 (1990); *ibid*, 2, 55 (1990). The best place to start density matrices.

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G. E. Maciel, C. E. Bronniman, and B. L. Hawkins, "High-Resolution ^1H Nuclear Magnetic Resonance in Solids via CRAMPS," in "Advances in Magnetic Resonance," Editor: J. S. Waugh, Volume 14, Academic Press, New York, NY, 1990.