

Foreword

Volume 6 of Specialist Periodical Reports on Nuclear Magnetic Resonance continues on the same general lines as its predecessors. This volume covers the literature up to the end of May 1976 thus providing with the earlier volumes a continuous coverage of the entire n.m.r. literature.

There is the usual mix of annual and biennial chapters. In the former category are established chapters on Spin-Spin Coupling, Experimental Techniques, Nuclear Relaxation, the Solid State and Medium Effects, whilst the previous biennial chapters on Double Resonance and Liquid Crystals are retained, the latter alternating with that on Heterogeneous Systems (Volume 5).

Also included are a table of abbreviations and symbols and a list of recent reviews in N.M.R.

Some changes have been made. The previous chapters on Fourier Transform N.M.R. and Spectral Analysis have been absorbed into the other chapters, as both techniques are now used very largely in a routine fashion, and advances in instrumentation are covered separately. The single chapter on macromolecules has been subdivided into Natural Macromolecules and Synthetic Macromolecules, reflecting both current interest in these fields and the need to obtain expertise in both these now diverging areas. Also a new chapter, on Paramagnetic Molecules has been included, again a measure of the importance of this area.

Unfortunately the chapter on Chemical Shifts does not appear in this volume owing to the author not fulfilling his commission. In Volume 7 it is planned to subdivide this chapter into theory and applications, and the extra resources committed will ensure that the major advances in chemical shifts in the two-year period will be covered.

The literature coverage is for most chapters based on the U.K.C.I.S. Macroprofile 'N.M.R.—Chemical Aspects' which operates from Chemical Abstracts magnetic tapes.

Despite the ever growing literature on N.M.R., the Reporters have made strenuous efforts to keep their reports, and hence this volume, to a reasonable size. I welcome this opportunity to thank them all for their co-operation and also the editorial staff of the Chemical Society for the prompt appearance and presentation of this volume.

Finally no mention of this series would be complete without recording the signal contribution of the previous Senior Reporter, Dr R. K. Harris, who initiated and established this successful series, and whose assistance has been invaluable during the change-over.

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