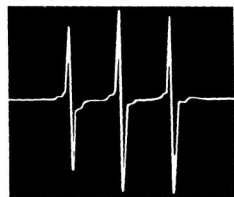


# New Publications

## from The Royal Society of Chemistry

Specialist Periodical Reports

### Electron Spin Resonance Vol. 7



Senior Reporter:  
P. B. Ayscough

A review of the literature published between December 1979 and May 1981.

#### Brief Contents:

Applications of E.S.R. in Polymer Chemistry; Theoretical Aspects of E.S.R.; Triplets and Biradicals; Transition-metal Ions; Inorganic and Organometallic Radicals; Organic Radicals: Structure; Organic Radicals: Kinetics and Mechanisms of their Reactions; Organic Radicals in Solids; Spin Labels: Synthetic Macromolecules; Spin Labels: Biopolymers; Spin Labels: Biomembranes; Metalloproteins; Applications of E.S.R. in Medicine.

"In addition to pointing out the wide range of analytical applications of E.S.R., this review documents the careful attention to detail which is required in quantitative studies. It should be useful to all practitioners, regardless of field of application." — *Estel D. Sprague, J. AM. Chem. Soc., reviewing Vol. 6*

Hardcover 447pp 0 85186 811 8

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### Heterocyclic Chemistry Vol. 3



Senior Reporters:  
H. Suschitzky and O. Meth-Cohn

A review of the literature abstracted between July 1980 and June 1981.

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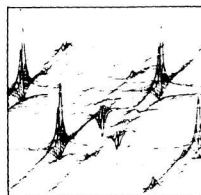
Three-Membered Ring Systems; Four-Membered Ring Systems; Five-Membered Ring Systems; Six-Membered Ring Systems; Seven-Membered Ring Systems; Eight-Membered and Larger Ring Systems; Bridged Systems.

"This series should become an extremely valuable resource for those academics involved in the teaching and synthesis of heterocycles, as well as for those heterocyclic chemists in an industrial setting. The editors are to be complimented for their excellent choice of contributors and for the skilful organization of the text material." — *Raymond P. Panzica, Jnl of Medicinal Chemistry, reviewing Vol. 1*

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### Nuclear Magnetic Resonance Vol. 11



Senior Reporter:  
G. A. Webb

A review of the literature published between June 1980 and May 1981.

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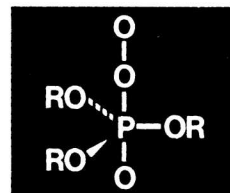
Theoretical and Physical Aspects of Nuclear Shielding; Applications of Nuclear Shielding; Theoretical Aspects of Spin-Spin Couplings; Applications of Spin-Spin Couplings; Nuclear Spin Relaxation in Fluids; Solid State N.M.R.; Multiple Resonance; Natural Macromolecules; Synthetic Macromolecules; Conformational Analysis; Oriented Molecules; Heterogeneous Systems.

"This book must be considered as very important and useful not only for specialists in the N.M.R. area but also for others who like to keep up with recent investigations and progress in this very widely and frequently used area of molecular spectroscopy." — *N. D. Yordanov, European Spectroscopy News, reviewing Vol. 10*

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D. W. Hutchinson and J. A. Miller

A review of the literature published between July 1980 and June 1981.

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*Specialist Periodical Reports*

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Senior Reporter: M. F. Grundon

A review of the literature published between July 1980 and June 1981.

**Brief Contents:**

Biosynthesis; Pyrrolidine, Piperidine, and Pyridine Alkaloids; Tropane Alkaloids; Pyrrolizidine Alkaloids; Indolizidine Alkaloids; Quinolizidine Alkaloids; Quinoline, Quinazoline, and Acridone Alkaloids;  $\beta$ -Phenylethylamines and the Isoquinoline Alkaloids; Aporphinoid Alkaloids; Amaryllidaceae Alkaloids; *Erythrina* and Related Alkaloids; Indole Alkaloids; Diterpenoid Alkaloids; Steroidal Alkaloids; Miscellaneous Alkaloids.

"The Royal Society of Chemistry publication on *The Alkaloids* is the central point of the alkaloid year. With such a proliferation of papers on this most worthy of topics, it is not difficult to miss some contributor and hence the latest volume is eagerly awaited, certainly in my laboratory, and I would suspect in many others."

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*Miscellaneous Publications*

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Compiled and edited by T. J. Henman

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