Guest Editorial

Special Issue on Electron Paramagnetic Resonance Spectroscopy

The Electron Spin Resonance Group of the Royal Society of Chemistry celebrated its 25th anniversary with a meeting at Sheffield in March 1993, in which the plenary lecturers were invited to review the present standing of their subject. A selection of these lectures is collected in this issue. They illustrate the importance of the technique in all the main branches of chemistry. Atherton's Bruker Lecture on nuclear Zeeman interactions, McLauchlan's lecture on radical pairs, and Roduner's on muon spin resonance deal with the physical side of spectroscopy. Davies's lecture on organic radical ions continues the traditional interest of EPR spectroscopists in organic π-electron systems, and Marsh's on spin-labelled lipids illustrates the rapidly increasing application of EPR spectroscopy in biological chemistry. The power of the technique in inorganic chemistry is demonstrated by Mabbs's paper on transition metals and Edwards's on alkali metals. The collection ends with a review by Nonhebel on the ring-opening of cyclopropylmethyl radicals.

We look forward to the developments and application of the EPR technique that the next 25 years may bring!

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