

## NMR DISCUSSION GROUP

### Fourth Meeting Nottingham University

12 April 1965.

- 11.00 - 11.25 Coffee
- 11.25 - 11.30 Welcoming address.
- 11.30 - 12.00 Application of NMR to the determination of the configuration and conformation of reduced cyclic compounds.  
Dr. H. Booth (University of Nottingham)
- 12.00 - 12.30 NMR spectra and conformation of  $\alpha$ - $\beta$  unsaturated ketones.  
Dr. C. J. Timmons (University of Nottingham)
- 12.30 - 12.45 Discussion on the first two papers.
- 12.45 - 1.05 Hydrogen bonding in aliphatic hydroxy- and amino-compounds.  
Dr. M.P. McDonald (Sheffield College of Technology)
- 1.05 - 1.10 Discussion
- 1.10 Lunch, which will be served at 1.20.
- 2.20 - 2.30 Group business
- 2.30 - 3.10 Nuclear Magnetic Resonance experiments with solids.  
Professor E.R. Andrew (Department of Physics, University of Nottingham).
- 3.10 - 3.20 Discussion
- 3.20 - 3.50 The exact correlation of spin-spin coupling constants with atomic number.  
Dr. L. Reeves (University of British Columbia, Canada, at present visiting NPL, Teddington).
- 3.50 - 4.05 The shapes of multiplets in the NMR spectra of nuclei with  $I = \frac{1}{2}$ , due to spin-coupling to nuclei with  $I > \frac{1}{2}$ .  
Dr. K.J. Packer (University of East Anglia)
- 4.05 - 4.20 The search for an optimum field strength.  
Mr. L.K. Parker (Perkin-Elmer Ltd.)
- 4.20 - 4.45 Discussion of the last three papers.
- 4.45 Tea