Spin Choreography:
A Symposium in Appreciation of Ray Freeman
Cambridge 8th - 11th April 1999

Thurs 8 April
Registration from 10.00

12.30 Lunch
14.00 Introduction. Prof DA King, Head of Chemistry Department
14.10 R R Ernst.
"The Revolutionary Development of NMR in the Light of Ray Freeman's Innovations"
14.55 WA Anderson
"Early Adventures of Ray Freeman, Master of NMR Choreography"
15.30 Tea
16.10 M Goldman
"Illustrations and applications of the method SLATE: Spin-Linked Approach To Everything."
16.45 A Pines
"Dances with Spins"
17.20 R Freeman
"Much Ado About Nothing"
17.55 Close
19.00 Reception
19.30 Dinner

Fri 9 April
Solid State NMR

09.00 M H Levitt
"Decoupling to Recoupling and Back Again"
09.35 H Geen
"MAS multiple-quantum filtered dipolar correlation spectroscopy"
10.10 L Emsley
"Using Scalar Couplings in High-Resolution Solid-State NMR"
10.45 Coffee
11.15  J J Titman  
"Recoupling the CSA"

11.50  S Wimperis  
"NMR of quadrupolar nuclei in solids: cross-polarization and 17-O multiple quantum MAS"

12.25  Close

12.30  Lunch

Techniques

14.00  A J Shaka  
"Using the Filter Diagonalization Method (FDM) in NMR"

14.35  G A  Morris  
"Automated 3D Shimming"

15.10  E Kupce  
"HoHaHa with Adiabatic Pulses"

15.45  Tea

In vivo Imaging

16.25  T H Mareci  
"Molecular translational self-diffusion as a structure parameter in biological tissue"

17.00  K A  MacLauchlan  
"Are magnetic fields bad for you?"

18.00  Poster session (Pembroke College)

19.30  Dinner

Sat 10 April

Macromolecules

09.00  A Bax  
"NMR of very weakly oriented macromolecules"

09.35  H Oschkinat  
"NMR signals and signal transduction in cells"

10.10  P J Hore  
"CIDNP techniques for looking at proteins and protein folding"

10.45  Coffee
11.15  L D Hall  
"A sweet connection between 1959 and 1999"

11.50  I D Campbell  
"Relaxation with modular proteins"

12.25  Close

12.30  Lunch

**Techniques**

14.00  L Kay  
"Sensitivity Enhancement in NMR Spectroscopy"

14.35  H D W Hill  
"The quest for higher sensitivity"

15.10  G Bodenhausen  
"Magnetization transfer: an inexhaustible source for the idea book"

15.45  Closing remarks

15.50  Close

19.00  Reception

19.30  BANQUET