

ROYAL SOCIETY OF CHEMISTRY

INDUSTRIAL PROBLEM SOLVING BY NMR AND COMPLEMENTARY TECHNIQUES

APRIL 7/8 1992

COURTAULDS RESEARCH - COVENTRY

A meeting organised jointly by the Molecular Spectroscopy Group and the NMR Discussion Group in association with the Analytical Division, Midland Region.

PROGRAMME

Tues. April 7th

10.30 REGISTRATION AND COFFEE

AM SESSION CHAIRMAN - R Spragg (MSG Chairman)

11.00 Welcome - D J Giachardi - Director of Research for Courtaulds PLC

11.10 "NMR Microscopy by Numbers" - G Nesbitt (Shell Research)

12.00 "Reservoir Core Characterisation by NMR" - M Taylor (BP Research)

12.30 LUNCH

PM SESSION CHAIRMAN -AM Chippendale

13.45 "New Developments in LC/NMR" - M Spraul (Bruker)

14.35 "Pan-Technique Evaluation of Molecular Structures of Synthetic Polymers - the NMR Viewpoint" - A Bunn (ICI Wilton Materials Centre)

15.25 TEA

15.45 "NMR, Light Scattering and Mechanical Studies of Aqueous Solutions of Cellulose Ethers" - R N Ibbett (Courtaulds Research)

16.15 "NMR and XRD Studies of the Plasticisation of Polyacrylonitrile" - I R Herbert (Courtaulds Research)

16.45 DEPART FOR COVENTRY POLYTECHNIC BY COACH

17.00 MANUFACTURERS' DEMONSTRATIONS/EXHIBITIONS

18.30 SHERRY RECEPTION

19.30 DINNER

MANUFACTURERS' DEMONSTRATIONS/EXHIBITIONS CONTINUE AFTER DINNER

Wed. April 8th

08.45 DEPART FOR COURTAULDS BY OACH

AM SESSION CHAIRMAN - R N Ibbett

09.00 "Molecular Spectroscopy in the Pharmaceuticals Industry - from NO to MRI" –
J Lindon (Wellcome Research)

09.50 "The Isolation, Structure Elucidation and Synthesis of Novel Pencillin Degradation
Products: Thietanones" - J Everett (SmithKline Beecham Pharmaceuticals)

10.20 COFFEE

10.45 "Structure Elucidation of Biologically Active Natural Products" - P Sidebottom (Glaxo
Group Research)

11.15 "Spectroscopy Directed Molecular Modelling Studies of Small Peptides" - L MacLachlan
(SmithKline Beecham Pharmaceuticals)

11.45 "SPECEDIT - A Tool for the Interpretation of ^1H NMR Spectra and the Proposal of
Substructures" - W Maier (BASF)

12.15 LUNCH

PM SESSION CHAIRMAN - P Regan

13.30 "The Use of NMR and Other Analytical Techniques to Probe the Physical Chemistry of the
Reactive Dyeing Process" - D J Edwards (ICI Specialties)

14.20 "The Use of NMR and Vibrational Spectroscopy in Food Science" - P Belton (AFRC
Institute of Food Research)

15.10 "Rapid Scan Correlation NMR for the Analysis of Food" - B Goodfellow (AFRC Institute of
Food Research)

15.40 Final Remarks, Tea

16.00 DEPARTURE