The chemistry and dynamics of the atmosphere and their relation to climate

A symposium in honour of Bob Harwood
16th July 2007

Talks limited to 20 mins (17+3 for questions).

09.00 Tea/Coffee
09.30 **John Grace** (Edinburgh) Opening remarks

09.40 **John Barnett** (Oxford) "Infrared sounding of the atmosphere"
10.00 **Nathaniel Livesey** (JPL) "The Microwave Limb Sounder experiments, past, present and future"
10.20 **Hugh Pumphrey** (Edinburgh) "The tropical tape recorder and the role of MLS in its discovery"

10.40 **Group Photo**/Tea and Coffee

11.10 **John Pyle** (Cambridge) "Numerical modelling of the atmosphere: a hierarchy of increasing complexity"
11.30 **Alan O'Neill** (Reading) "Dynamics of the Stratospheric Polar Vortex in the Southern Hemisphere: further thoughts on what Harwood saw in 1971"
11.50 **William Lahoz** (Reading) "Data assimilation: how it caught the eye of the research satellite community"

12.10 Buffet lunch

13.40 **John Harries** (Imperial) "The Earth: water vapour, energy budget, longwave spectrum and variability"
14.00 **Keith Shine** (Reading) "Radiative forcing of climate change"
14.20 **Hannah Clark** (Meteo France) "Radiative effects of contrails in a single column model"
14.40 **David Stevenson** (Edinburgh) "Future projections of tropospheric oxidants"

15.00 Tea and Coffee

15.20 **Peter Stott** (UK Met Office) "Understanding and attributing climate change"
15.40 **Simon Tett** (Edinburgh) "How important is solar and volcanic forcing to climate variability?"
16.00 **Bob Harwood**: Closing remarks

19.00 Dinner at David Bann (www.davidbann.com)