

32nd British Theoretical Mechanics Colloquium

Geophysical and Astrophysical MHD Symposium Theatre C, Physics Building

Monday 2nd April

Lunch privately in hostelrys around the town

- 2.00 H K Moffatt *Topology of Magnetic Fields'*
- 2.30 M A Berger *'Coronal Heating'*
- 3.00 T Amari *'Current Sheets'*
- 3.30 M Goossens *'Waves in Nonuniform Media'*
- 4.00 Tea
- 4.30 C Jones *'Dynamo Models and Taylor's Constraint'*
- 5.00 F H Busse *'MHD Dynamo Models in Spherical Shells'*
- 5.30 Poster Session
- 6.30 Registration in University Hall
- 7.30 Reception and Buffet Supper in University Hall

Tuesday 3rd April

- 9.15 M V Berry *'The Stokes Phenomenon in Wave Asymptotics'*
Physics Theatre A
- 10.15 Coffee
- 10.45 P Demoulin *'Solar Prominences'*
- 11.15 A W Hood *'Solar Flares'*
- 11.45 M Hesse *'Magnetic Reconnection'*
- 12.15 D Fearn *'Convection Near the Earth's Core-Mantle Boundary'*
- Lunch in University Hall
- 2.15 D Hughes *'Magnetic buoyancy instability'*
- 2.45 ~~C Chiuderi~~^{w. Nakov} *'Coronal Loops'*
- 3.15 A Mangeney, M Velli and R Grappin *'Turbulence in the Solar Wind'*
- 3.45 J Heyvaerts *'Accretion Discs and Jets'*
- 4.15 Tea
- 4.45 L M Hocking *'Capillarity - the Cinderella of Fluid Dynamics'*
(Stewartson Memorial Lecture, Physics Theatre A)

P.T.O.

Poster Papers

- L Nocera** *"Plasma Heating in a Bistable Hydromagnetic Cavity"*
- M Jardine** *"Stellar Magnetic Loops"*
- A Miles** *"Magneto-Acoustic Gravity Surface Modes"*
- A De Ville** *"Exact MHD Flows in Coronal Arcades"*
- W Weiglhofer** *"Magnetic Instabilities in Spherical Geometries"*
- R Jain** *"Magnetoacoustic Surface Waves"*
- P Joarder** *"Prominence Oscillations"*
- P H Skinner &
A M Soward** *"Rotating Magnetoconvection"*
- C F Barenghi** *"Spherical Dynamos and Taylor's Constraint"*
- P Pietrini** *"MHD Properties of Cylindrical Flows"*
- M Velli &
R Grappin** *"Parametric Instabilities of Large-Amplitude Alfvén Waves"*
- C Ridgway,
T Amari &
E R Priest** *"Global Magnetic Structure of Prominences"*
- N Strachan &
E R Priest** *"Structure of Magnetic Neutral Points"*