

COMMISSION 49: THE INTERPLANETARY PLASMA AND THE HELIOSPHERE  
(PLASMA INTERPLANÉTAIRE ET L'HELIOSPHERE)

Report of Meetings, 14 and 20 August 1979

PRESIDENT: A. Hewish

VICE-PRESIDENT: H. J. Fahr

14 August 1979

ADMINISTRATIVE SESSION

The President welcomed members of the Commission and recorded with sorrow the death of S. F. Smerd. The names of Officers were proposed and accepted by the Commission, and the list of new members was presented. The President thanked the three members responsible for preparing the Report. It was suggested that in future the report should be circulated to members before the meeting. It was also suggested that the authors should, in future, be invited to present the highlights of their reviews during the scientific meetings.

20 August 1979

SCIENTIFIC PRESENTATIONS

The following invited review papers were presented.

1. D. S. Intriligator: Observations of the distant solar wind.
2. J. L. Linsky: Properties of the nearby interstellar medium.
3. G. Morfill: Dust within the heliosphere.
4. H. J. Fahr: Plasma-gas interactions in the distant solar wind and solar wind modelling.
5. M. A. Raadu: Critical velocity effects in astrophysical plasmas.

The following communications were presented.

- M. K. Bird: Faraday rotation of pulsar signals during solar occultation.  
E. Petelski: Generalisation of Parker's heliospheric shock equations.