Preface

This issue of the Journal of Geomagnetism and Geoelectricity is the result of ULF Waves Symposium 3.8 at the 7th IAGA Scientific Assembly, held from August 8–20, 1993, in Buenos Aires, Argentina. The symposium which concerned ULF Waves in the Pc1-5 frequency range, was brought to order at 1330 LT on 13 August with F. W. Menk, W. Allan, and S. Perraut in the Chair, and a total of 44 ULF papers in the programme. The symposium was excellent, with 15 superb invited papers given in 3 sessions: (1) ULF wave observations in the Earth's magnetosphere; (2) Computer modeling and theory in the Earth's magnetosphere; and (3) ULF waves at comets and in the solar wind. Poster previewers also did a marvelous job.

The first sessions were highlighted by a discussion of simultaneous observations on the ground and in space. Many international collaborations are being established using various magnetometer networks, radar and optical systems, and multiple satellites for co-operative studies during the STEP and ISTP period, which enable us to characterize the global features of ULF disturbances, advancing these studies still further in the next few years. The computer modeling and theoretical studies which were presented will be very useful for comparisons with the observations. The third session was intended to stimulate interest in HM waves in other planetary magnetospheres, the solar wind and at comets.

We would again like to thank the various people and organizations whose contributions were essential in making this symposium successful. We also wish to thank the following scientists, listed in alphabetical order, who served as referees for the papers submitted to this special issue.

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