Journal Mission Statements

Radio Science

a) Current Mission Statement: Radio Science carries original scientific contributions on all aspects of electromagnetic phenomena related to physical problems. These contributions can include propagation through and interaction of electromagnetic waves with geophysical media, biological media, plasmas, and man-made structures. Coverage includes, but is not limited to, the application of electromagnetic techniques to remote sensing of the Earth and its environment, telecommunications, signals and systems, the ionosphere, and radio astronomy. All frequencies (including optical) are considered.

b) Possible New Mission Statement: This needs testing against submitted papers (to Radio Science, Space Weather and JGR-Space) and needs to be considered in cooperation with the Space Weather and JGR-Space editorial teams.

Radio Science carries original scientific contributions on radio-frequency electromagnetic-propagation and its application. Measurement, modelling, prediction and forecasting techniques pertinent to fields and waves including antennas, signals and systems, the terrestrial and space environment and radio propagation problems in radio astronomy are welcome. Contributions may include propagation through, interaction with and remote sensing of structures, geophysical media, plasmas, and materials. Papers may address the application of radio frequency electromagnetic techniques to remote sensing of the Earth and other bodies in the solar system.

The journal does not carry papers on propagation in biological media, nor optical phenomena. The journal does not publish papers on the geophysics of space plasmas which should be published in JGR.