

# Abstracts

## Millimeter Wave Solar Observations (Short Papers)

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*J.P. Castelli, D.A. Guidice and P.M. Kalaghan. "Millimeter Wave Solar Observations (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.12 (Dec. 1974, Part II [T-MTT] (1974 Symposium Issue)): 1292-1299.*

Several categories of millimeter wave observations in the range of approximately 20-3 mm are considered. First, the general area of current "whole sun" patrol observations conducted with small antennas and simple radiometric receivers is reviewed. The type of solar information derived from such patrols and its application to solar physics and the prediction of solar-geophysical disturbances are discussed. The second area considered is that of current high-resolution solar investigations using antennas with beamwidths as small as 1'. Finally, future ultrahigh resolution work ( $<10''$ ) using interferometric techniques and the need for such work are discussed.

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