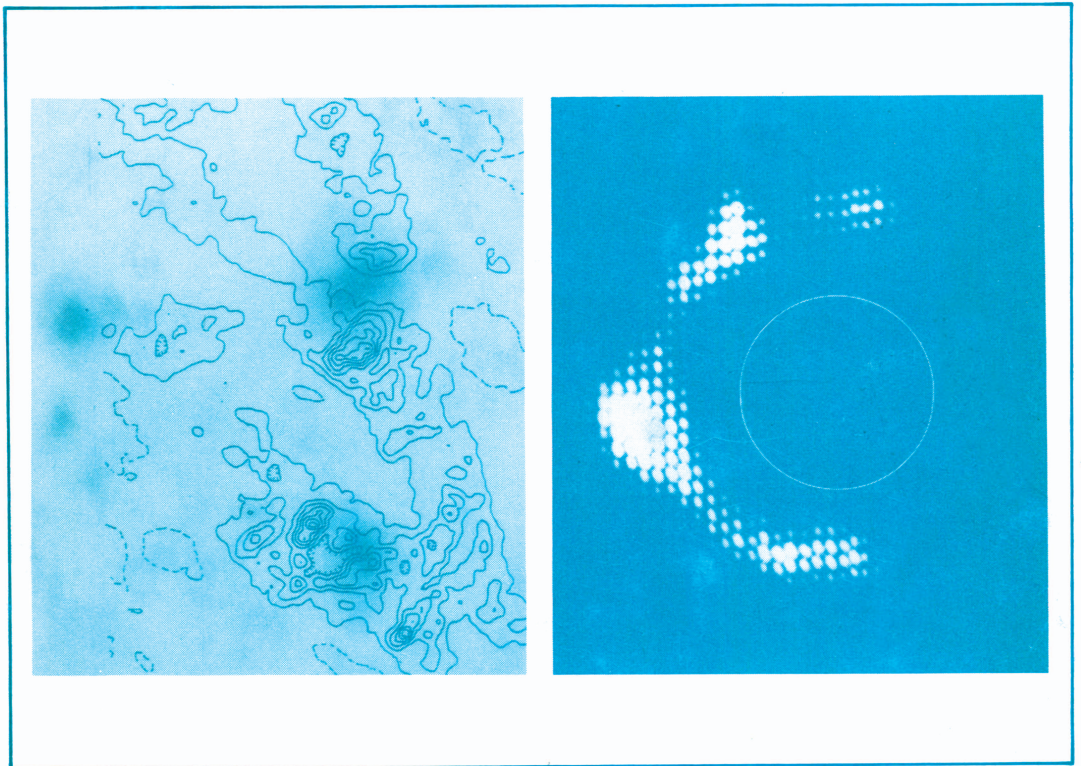


INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 86

# RADIO PHYSICS OF THE SUN

Edited by MUKUL R. KUNDU AND TOMAS E. GERGELY



INTERNATIONAL ASTRONOMICAL UNION

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# RADIO PHYSICS OF THE SUN

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During the last 35 years, radio astronomical techniques have made an impressive series of contributions to our understanding of solar phenomena. Recent advances in plasma and radiation theory combined with the capability of observing the Sun with a spatial resolution of less than a second of arc at centimeter wavelengths and of obtaining fast multifrequency two-dimensional pictures of the Sun at meter and decameter wavelengths has opened a new era in solar radio physics. This research has recently attracted a wide audience because the techniques used for the Sun appears to be applicable for our studies of stellar chromospheres and coronae. This volume summarizes the present level of our understanding of solar radio physics, as well as the possible new directions for theoretical and observational research in this field during the next solar maximum, when a sophisticated space mission (Solar Maximum Mission) carrying experiments in X-rays, ultraviolet and white light will be launched.

## *Audience*

The book will be of prime importance to solar astronomers and physicists, planetary astronomers and stellar astronomers. It will also interest plasma physicists and astrophysicists.

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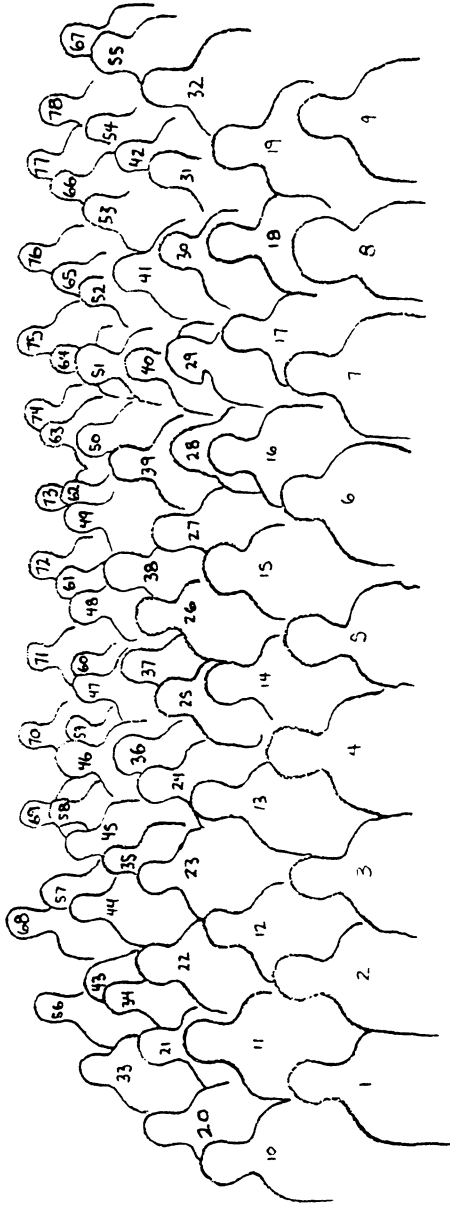
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