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# BASIC MECHANISMS OF SOLAR ACTIVITY

SYMPOSIUM No. 71

The Symposium No. 71 on Basic Mechanisms of Solar Activity was held in Prague from August 25 to 29, 1975. It brought together eminent observers and theoreticians in the field of solar physics. Observational facts and theoretical interpretations bearing on the fundamental question 'How the magnetic fields are maintained on the Sun' have been discussed in all details. Problems to be solved by observation and theory have been clearly stated.

Besides the general introductory lecture (The Enigma of Solar Activity) and the Conclusions (Summary and the Final Discussion on August 29) there were given 14 invited lectures and 26 contributed papers on four specific topics, viz. Basic Observed Parameters of Solar Cycle; Solar Rotation and Differential Rotation; Dynamo Theory and Magnetic Dissipation; Stellar Activity of Solar Type Stars.

The Proceedings of this Symposium contain the full-length invited papers, contributed papers or their summaries and discussions which followed and which were unusually vivid and useful.

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