Advances in Solar Energy

**An Annual Review of
Research and Development**

Volume 2

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Advances in Solar Energy

**An Annual Review of
Research and Development**

Volume 2

Edited by

Karl W. Böer

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Newark, Delaware*

and

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FOREWORD

A number of significant changes have occurred in *Advances in Solar Energy* since Volume 1 appeared in 1982. The delays in publication of the second volume are the result of reorganization of the American Solar Energy Society, and the negotiation of a new publishing arrangement. Beginning with this volume, *Advances* is now published jointly by the Society and Plenum Press. The Editorial Board has been enlarged to be more representative of the different fields of solar energy conversion.

Production of *Advances* is being expedited through the use of modern word processing equipment and the $\text{\TeX}$ typesetting-editing program. We have gone to a single-column format to ease the problems of presenting long equations, and we expect that the user of the volume will find it easy to read. The use of $\text{\TeX}$ will make last minute updates possible. The external appearance of the volume matches that of Volume 1.

We expect that future volumes of this annual will be proceeding on schedule. We invite comments from users and correspondence from prospective authors of critical reviews.

Karl W. Böer
John A. Duffie

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In addition Mr. Stewart has published over 100 articles, reports, etc. and directed over \$4 million in research projects. He is a member of ISES, ASES, and the Royal Meteorological Society.

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CHAPTER 2

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CHAPTER 4

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CHAPTER 6

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CHAPTER 8

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