

TECHNICAL EDITOR'S PAGE

The plans for developing solar energy conversion systems to provide a portion of the U.S. future energy needs were transformed into a national goal when President Carter in his June 20, 1979 address declared that 20 percent of the domestic energy demand will be supplied by solar radiation in the year 2000. It has been estimated that to achieve this goal will require the development of a large solar industry which will have annual sales on the order to 50 billion dollars and employ directly or indirectly more than a million persons. The cumulative private and public expenditures necessary to reach this goal could be as high as one trillion dollars before the end of this century.

It normally takes on the order of 20 years to develop a product in industry. If the national solar energy goal is to be achieved in this time frame without major dislocations, industry and government will have to work closely together. In addition, there must be a continuous, reliable and up-to-date flow of information from solar energy research, design and development activities to decision makers in government and in industry. To fill this need ASME has decided to support the publication of the Transactions *Journal of Solar Energy Engineering*, the first peer-reviewed solar engineering journal published by a professional society in the U.S. The major objective of the new journal is to provide an archival record of solar energy R.D.& D., translate the state of the art of solar engineering into a form suitable for practical engineering designs, and thereby assist in the development of a solar energy industry which can introduce solar energy conversion systems into the infrastructure of the U.S., as well as of other industrial nations, in a timely and cost-effective manner. The journal will publish papers dealing with basic research, design and engineering applications.

In addition to full-length transaction papers and brief technical notes, the following items will be included:

- Invited survey papers on major topics in solar energy engineering
- Discussions of previously published papers and authors' rebuttals
- Editorial comments concerning activities in the solar energy field
- Divisional news for the Solar Energy Division
- Notices of future solar energy conferences, workshops, and meetings, as well as information on registration and on deadlines for submitting papers or abstracts

Listed below are the technical areas for which the *Journal of Solar Energy Engineering* solicits brief notes and full-length papers, and the names of the Associate Editors responsible for obtaining and evaluating reviews of articles as a basis for decisions relating to publication in the Journal:

Area

Associate Editor

Fundamental Processes and Theory. Dr. K. G. T. Hollands, Department of Mechanical Engineering, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1

Heating and Cooling. Dr. H. M. Curran, Hittman Associates, 9190, Red Branch Road, Columbia, MD 21045

Industrial Process Heat and Bio-Conversion. Dr. S. L. Sargent, DOE Site Office, Solar Energy Research Institute, 1617 Cole Blvd., Golden, CO 80401

Solar Electric Power. Mr. John Gintz, Boeing Engineering and Construction, P.O. Box 3707, MS 9A-47, Seattle, WA 98124

Solar Collector Technology. Dr. L. W. Rees, Suntec Systems, Inc., 2101 Wooddale Drive, St., Paul, MN 55119

Ocean Energy Systems. Dr. G. L. Dugger, Applied Physics Laboratory, Johns Hopkins University, Laurel, MD 20810

Wind Energy Conversion. Dr. R. A. Oman, Grumman Aerospace Corporation, Bethpage, Long Island, NY 11714

Energy Storage. Mr. C. J. Swet, Route 4, Box 258, Mt. Airy, MD 21771

Testing and Simulation. Dr. Peter Jenkins, Texas A & M University, College Station, TX 77843

Codes and Standards. Mr. A. J. Baldwin, Systems & Research Center, Honeywell, Inc., 2600 Ridgeway Parkway, Minneapolis, MN 55413

Materials. Dr. Barry Butler, Solar Energy Research Institute, 1617 Cole Blvd., Golden, CO 80401

Structures. Dr. Gopal Gupta, Foster Wheeler Development Corporation, 12 Peach Tree Hill Road, Livingston, NJ 07039

Optimization and Control. Dr. C. B. Winn, Solar Environmental Engineering Co., 2524 East Vine Drive, Fort Collins, CO 80524

Economics and Planning. Dr. Richard P. O'Toole, Economics Group Jet Propulsion Laboratory, 4800 Oak Grove Drive, Pasadena, CA 91103

Contributions to this journal, as well as comments relating to the contents of the journal, should be addressed to the Technical Editor:

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