Index

Dr. Shawn Buckley, an engineering professor at MIT for the last seven years, is primarily an inventor. He holds seven patents in fields as diverse as control systems, solar energy, and automated manufacturing. In the classroom, Professor Buckley teaches courses in systems and design. It is through this classroom experience that the author has developed his views that analogy makes learning easier.

Most current books either explain solar energy using mathematical equations which are unfamiliar to the general public or discuss solar energy generally but do not explain just how solar systems actually work. This book fills the gap between these two approaches. The concepts of solar energy are explained without resorting to mathematical equations but still allow one to understand how the sun's heat can be used.

"One attractive feature of solar technologies is that the layman can understand them. Shawn Buckley's new book demonstrates this admirably. It is a clear, interesting introduction to the principles of solar space conditioning that can be understood by everyone who has boiled eggs or turned off a radiator."

Denis Hayes
Senior Researcher, Worldwatch Institute
Chairman of the Board, Solar Lobby
Washington, D.C.

"Using solar energy to heat our water and our homes, and to create electricity, is one of the most important tasks of the coming generation. This excellent book will help the average citizen understand the essentials of how solar energy can work."

Tom Hayden
Member of SolarCal Council
State of California

"in this age of declining oil supply, the perpetual energy of the sun becomes increasingly important. Dr. Buckley's book shows, in a very clear way, what can be done in home design to reduce dependence on fossil fuels by using solar energy."

Professor Jay Forrester,
of "Limits to Growth" fame

"Making the basic concepts more easily accessible is bne answer. Fortunately, Shawn Buckley, an MIT professor, is a technician with the ability to simplify solar technology for a general audience."

Senator Paul Tsongas
Washington, D.C.