



NAME	JOSEPH T. KOHLER
FIRM	Kohler & Lewis 27 Mechanic Street Keene, NH 03431
POSITION IN FIRM	Partner
PROFESSION	Mechanical Engineer
DATE OF BIRTH	November 9, 1946

FORMAL EDUCATION:

1973	University of Massachusetts, Ph.D, Chemical Engineering
1970	University of Massachusetts, M.S., Chemical Engineering
1968	University of New Hampshire, B.S., Chemical Engineering

PROFESSIONAL CERTIFICATION:

Registered Professional Engineer (New Hampshire)

PROFESSIONAL EXPERIENCE:

1982-Present Partner, Kohler & Lewis, Keene, NH

Design of energy efficient heating, ventilation and air conditioning systems for commercial and institutional buildings.

Project management and general business administration.

1977 - 1982 Senior Research Engineer,
Total Environmental Action, Inc., Harrisville, NH.

Computer simulation of active and passive solar systems and buildings.

Development of computer algorithms for analyzing the performance of passive solar buildings.

Lecturer on solar energy at college level, and at various seminars to electric utility executives.

Design of site fabricated active solar collectors and storage systems.

1973-1977 Assistant Professor,
Worcester Polytechnic Institute,
Worcester, Massachusetts

Lecturer; presented courses in Chemical Engineering Fundamentals, Plant Design, Advanced Mathematics, Mass Transport, Unit Operations, Air Pollution Control, Environmental Problems.

Research; conducted research in Biochemical Engineering, Methane Production from Wastes, Thermally Efficient Clothing, Wood Burning Heater Efficiency.

1967-1973 Research Associate, Research Fellow,
Research Assistant, and Technical Writer
in University positions.

SOCIETIES:

Tau Beta Pi, Sigma Xi, Phi Kappa Phi, Phi Lambda Upsilon, American Section of the International Solar Energy Society, Appalachian Mountain Club

AWARDS:

Leonard P. Kinnicut Assistant Professor,
Worcester Polytechnic Institute

EPA Research Fellowship, University of Massachusetts

Granite State Merit Scholarship; Sprague Electric Scholarship;
Eldon Johnson Merit Scholarship;
graduate cum laude: University of New Hampshire

MAJOR PUBLICATIONS:

"Timber Frame Heating and Ventilation,"
Timber Framing, Journal of the Timber Framers Guild,
No. 18 (December 1990) (with Daniel Lewis).

"Passive Principles: Seeing through Window Options,"
Solar Age, Vol.7, No. 1 (January 1982)
(with Daniel Lewis).

"Passive Principles: Choosing Your System," Solar Age,
Vol. 6, No. 12, (December 1981) (with Daniel Lewis).

"Passive Principles: Let the Sun Shine In," Solar Age,
Vol. 6, No. 11, (November 1981) (with Daniel Lewis).

"Passive Principles: Sizing the Aperture," Solar Age,
Vol. 6, No. 10 (October 1981) (with Daniel Lewis).

Passive Principles: Conservation First," Solar Age,
Vol. 6, No. 9, (September 1981) (with Daniel Lewis).

"On the Performance of Thermal Envelope Houses,"
Proceedings of the 5th National Passive Solar Conference,
October 19-26, 1980 (with Daniel Lewis).

"TEABUILD: An Algorithm for Determining an Optimum Mix
of Energy Conservation and Passive Solar Measures,"
Proceedings of the 5th National Passive Solar Conference,
October 19-26, 1980 (with Daniel Lewis & Jennifer Adams).

"Thermal Modeling of Passive Solar Buildings on a
Programmable Calculator," ASHRAE Transactions,
Vol. 86, Part II (1980), pp. 861-871 (with Paul Sullivan).

"Impact of Active and Passive Building on Utility
Peak Loads," Proceedings of the Second National
Passive Conference, Vol. 2.2 (March 1978) (with
B. Wirtchafter, P. Sullivan).