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PUBLICATIONS

BOOKS

From Space to Earth: The Story of Solar Electricity. Ann Arbor, MI: aatec publications, 1999 (cloth); Harvard University Press, November, 2002 (paper) [Translated into Italian]

A Forest Journey: The Role of Wood in the Development of Civilization. New York: W. W. Norton & Company, 1989 (cloth); Cambridge, MA: Harvard University Press, 1991, 5th Printing, 2001 (paper). New Norton Edition, fall, 2005. Currently a Harvard University Press Classic in Science and World History. [Translated into Japanese, Portuguese, and Spanish]

A Golden Thread: 2500 Years of Solar Architecture and Technology. (With Ken Butti.) New York: Van Nostrand Reinhold, 1980. [Translated into Japanese and Spanish]

BOOK CHAPTERS

Window Essay, "Solar Cell," Energy Dictionary, San Diego, California: Elsevier Science, 2005.

"The History of Inorganic Solar Cells." Chapter 1 for S. Sun and S. Sariciftci, editors, Organic Photovoltaics, New York: Marcel Decker, 2004.

"Solar Energy, History of" and "Wood Fuel, History of." Entries in Encyclopedia of Energy. San Diego, California: Elsevier, 2004.

"Wood." Entry in Encyclopedia of World Environmental History, New York: Routledge, 2004.

"Deforestation." Entry in The Encyclopedia of Asia. New York: Charles Scribner's & Sons (2003).

"Forests and Deforestation" and "Timber and Lumber Industry." Entries in The Oxford Encyclopedia of Economic History. New York: Oxford University Press (2003).

"A Life of Wildness." In Robert Glenn Ketchum, A Legacy of Wildness: The Photographs of Robert Glenn Ketchum. New York: Aperture Press, 1993.

"On the Protection of Sacred Groves." In A. Boegehold et al. "Studies Presented to Sterling Dow" Greek, Roman, and Byzantine Studies Monographs, #10, 1984.

"The History of Terrestrial Uses of Solar Energy." (With Ken Butti.) In J. Kreider & F. Krieth, SolarEnergy Handbook. New York: McGraw Hill, 1981.

ARTICLES

Over thirty published articles in the following publications: Ad Astra, American Heritage's Invention & Technology, Chicago Magazine, CoEvolution Quarterly (now Whole Earth Review), Home Power, Journal of Science Education and Technology, New Shelter, Refocus Solar Age, Solar Law Reporter, Solar Today, Whole Earth Review, & World & I.

Selected Articles:

"Good as Gold: The Silicon Solar Cell Turns 50," Solar Today, January/February 2004, pp.24-27 (lead article).

"Solar Hot Water History: Nothing New under the Sun," Home Power 100, April & May 2003, pp.64-67.

"The Silicon Solar Cell Turns Fifty," Home Power, June & July 2003, pp.54-57.

"Solar Power: The Slow Revolution," American Heritage of Invention and Technology, summer 2002, pp.20-25.

"The French Connection: The Rise of the PV Water Pump," Refocus: The International Renewable Energy Magazine, January/February, 2001, pp.46-47.

"The Silent Revolution Continues," Journal of Science Education and Technology, Vol. 10, No. 2, 2001, pp. 137-145.

"Saved by the Space Race," Solar Today, July/August, 1999, pp. 18-20.

"Soaring with the Sun: Solar-Powered Flight," The World & I, August 1999, pp.166-173 (cover article).

"Burning Mirrors: Snagging Pure Fire from the Rays of the Sun," Whole Earth, winter 1999, p. 16.

"Running Out: 4200 Years of Wood Shortages," Coevolution Quarterly, Spring, 1983, pp.18-25.

"Solar Water Heaters in Los Angeles 1891-1930 (with Ken Butti), Coevolution Quarterly, fall, 1977, pp.1-15 (featured story).

Op-Ed Pieces

"Solar Electricity Could Help California," San Diego Union-Tribune, December 27, 2000.

"The Tree of Life," Santa Barbara News-Press, "Voices from Santa Barbara," April 19, 2000.

"Letting the Sun Shine on Our Energy Needs," Santa Barbara News Press, "Perspectives," August 22, 1999.

BROCHURES

Understanding Solar Electricity, 2003; Californiasolarcenter.org.

WEB TEXT

2500 Years of Solar Energy; Califroniasolarcenter.org

PREFACES

Richard Komp, Practical Photovoltaics, Ann Arbor, MI: aatec publications, 1981ñ2003.

Brenda & Robert Vale, The New Autonomous House: Design and Planning for Sustainability, London, United Kingdom: Thames and Hudson, 2000.

AWARDS

London Times Book Review's Interesting Hardbacks, 1990: A Forest Journey.

Publication of the Year 1990: A Forest Journey. The Geographic Society of Chicago.

Harvard University Press Classic in Science and World History

Harvard University Press 100 Books for Every Reader's Bookshelf

Harvard University Press 100 Great Books

CURRICULUM DEVELOPMENT

Research and Narrative Writer. Power from the Sun: A Century since Einstein's Photon/ A Half Century of Modern Photovoltaics, University of California, Department of Physics, August 2003-

EXHIBITS

"The Story of Energy and Energy Efficiency," North Carolina Arboretum, Asheville, North Carolina, 2005

"Fifty Years of Practical Photovoltaics," Solfest, Hopland, California, August 2004.

"From Space to Earth: The Story of Solar Electricity," "Solar Summit," Veteran's Memorial Hall, San Francisco, California, September 2003 (now traveling to various locales including the National Solar Energy Conference, Portland, Oregon, July 9-14).

"A Forest Journey," Traveling Exhibit, Franklin Institute, Philadelphia, Pennsylvania, September, 2003 ñ January 2006.

"Fiftieth Anniversary of the Discovery of the Silicon Solar Cell," 3rd World Conference on Photovoltaic Energy Conversion, Osaka, Japan, May 2003 (now traveling to various locales including the National Solar Energy Conference, Portland, Oregon, July 9-14).

"A Golden Thread: 2500 Years of Solar Architecture & Technology" (with Ken Butti). California Museum of Science & Industry (now California Science Center), Los Angeles. November 1980 - March 1980.

DOCUMENTARIES

Power from the Sun: One Century since Einstein's Photon/A Half Century of Modern Photovoltaics. Research, Narrative Writer, Consultant. University of California, Santa Barbara, Department of Physics/Inca Productions, Mill Valley, California, August 2003 -

Sunrise.†Narrator, and consultant, Script/Images. U.S. Department of Energy's Million Solar Roof Program, Arizona Department of Commerce Energy, April, 2003.

TECHNICAL FORUMS & Workshops

Lead Speaker, "50th Anniversary of the Silicon Solar Cell," Solar Forum, San Francisco, California, May 2004.

Keynote Speaker, "Solar Electricity: The People and the Applications," Energy Outfitters 2004 California Renewable Energy Technical Forum, Sacramento, California, March 2004.

Instructor, "How Solar Cells Work," 1st Solar Schoolhouse Summer Institute, Santa Barbara, California, July 2003.

LECTURES

Invited Speaker, "Einstein's Photon and Photovoltaics," International Solar Energy Society World Conference, August 10, 2005, Orlando, Florida.

Invited Speaker, "John Muir and Gifford Pinchot: Myth and Reality," Working Toward Common Goals in Sustainable Forest Management, The Divergence and Reconvergence of European and American Forestry, A Colloquium in Commemoration of the Centennial of the United States Forest Service, Gray Towers Historic Site, Milford, Pennsylvania, June 27-28, 2005.

Keynote, "Solar 101," North State Renewable Energy Conference, California State University at Chico, Chico, California, March 10, 2005.

Invited Speaker, "A Forest Journey," Yale Forest Forum, Yale School of Forestry and Environmental Studies, Yale University, New Haven, Connecticut, January 20, 2005.

Panelist with two Nobel Laureates, "Past, Present, and Future of Photovoltaics," Solar Electric Power Association Conference, San Francisco, California, October 20, 2004.

Invited Speaker, "Fiftieth Anniversary of the Silicon Solar Cell," World Renewable Energy Conference and Expo, Denver, Colorado, August 28-September 3, 2004.

Keynote Speaker, "The Use of Energy and Its Environmental Consequences," Energy Efficiency Summit, The North Carolina Arboretum, Asheville, North Carolina, July 26, 2004.

Keynote Speaker, "50th Anniversary of the Silicon Solar Cell," SolWest, John Day, Oregon, July 23-25, 2004.

Keynote Speaker, "Forests and Solar Energy," Energy Conservation and Education Summit, North Carolina Arboretum, Asheville, North Carolina, July 13, 2004.

Plenary Speaker, "The Photon and Photovoltaics," 19th European Photovoltaic Solar Energy Conference, Paris, France, June 11, 2004.

Keynote Speaker, "A Forest Journey: The Role of Wood in the Development of Civilization," Virginia Tech, Blacksburg, Virginia, March 15, 2004.

Invited Speaker, "Incontro con lo Storico Statunitense dell'Energia Solare John Perlin, Biblioteca Flaminia, Rome, Italy, October 4, 2003.

Keynote Speaker, "50 Years of Practical Photovoltaics," Science Bazaar 2003 in the Field of Organic and Dye Sensitized Solar Cells, Johannes Kepler University of Linz, Austria, Linz Institute for Organic Solar Cells, Linz, Austria, September 25-26, 2003.

Keynote Speaker, "Happy Anniversary, Silicon Solar Cell!" Rocky Mountain Sustainable Living Fair," Fort Collins, Colorado, September 14, 2003.

Keynote Speaker, "50 Years of Practical Photovoltaics, Iowa Energy Expo 2002, Hiawatha, Iowa, September 6, 2003.

Keynote Speaker, "The Discovery and Use of the Silicon Solar Cell," Illinois Renewable Energy Fair, Oregon, Illinois, August 10, 2003.

Plenary Speaker, "The Discovery of the Silicon Solar Cell," 3rd World Photovoltaic Conference on Energy Conversion, Osaka, Japan, May 12, 2003.

Keynote Speaker. "The Story of Solar Concentrators." International Conference on Solar Electric Concentrators. 29th IEEE PV Specialists Conference. New Orleans. May 20, 2002.

Panelist. "Solar Cells and Space. 39th US Space Congress. Cape Kennedy. May 2, 2002.

Closing Panelist. "2500 Years of Solar Architecture." Holistic Options for Planet Earth Sustainability. University of Oregon, Eugene, Oregon. April 23, 2002.

Keynote Speaker. "A Forest Journey: The Role of Wood in the Evolution of the Earth and Civilization." Greening of the Campus IV: Moving to the Mainstream. Ball State University, Muncie, Indiana. September 21, 2001.

Keynote Speaker. "Environmental Fluency: Learning the True Story of the Earth?" Holistic Options for Planet Earth Sustainability. University of Oregon, Eugene, Oregon. April 22, 2001.

Presenter. "Solar Fluency." 2001 Partnership for Environmental Technical Education (PETE). St. Louis, Missouri. March 16, 2001.

Invited Lecturer. "From Space to Earth: The Story of Solar Electricity." National Renewable Energy Laboratories, Golden, Colorado. February 2001.

Keynote Speaker. "From Space to Earth: The Story of Solar Electricity." SolarExpo 2000. Verona, Italy, December 2000.

Invited Presenter. "The Rise of Green Energy." Bioneers 2000. San Rafael, California. October 2000.

Keynote Speaker. "From Space to Earth: The Story of Solar Electricity." Southwest Renewable Energy Fair. Flagstaff, Arizona. September 2000.

Keynote Speaker. "From Space to Earth: The Story of Solar Electricity." SolWest Renewable Energy Fair. John Day, Oregon. July 2000.

Keynote Speaker. "History of Solar Technology" and "From Space to Earth: The Story of Solar Electricity." Australia and New Zealand Solar Energy Society Annual Meeting, Solar '99. Geelong, Victoria, Australia. December 1999.

Invited Speaker. "From Space to Earth: The Story of Solar Electricity." The Pacific

Energy Center, Solar Seminars. San Francisco. September 1999.

Invited Discussion Leader. "Renewable Energies." Newswire Environmental Journalism Conference, Washington, DC. June 1999.

Invited Earth Day Speaker. "A Forest Journey" and "The History of Photovoltaic." Bates and Bowdoin Colleges, Maine. April 1998.

Invited Speaker. "The History of Photovoltaics." 1st International Photovoltaic Building Integrated Conference. Boston. March 1996.

Invited Speaker. "A Golden Thread: 2500 Years of Solar Architecture and Technology." University of Maine, Augusta, Maine. February 1994.

George David Aiken Memorial Lecture. "A Forest Journey: The Role of Wood in the Development of Civilization." University of Vermont, Burlington. November 1992.

Keynote Speaker. "A Forest Journey: The Role of Wood in the Development of Civilization," "Historia das Florestas: A Importancia da Madeira no Desenvolvimento da Civilizacao" [Bilingual Presentation]. Brazilian Forestry Association, Sixth Congress, Sao Paulo. September 1990.

Earth Day 1990 Speaker. "History of Deforestation and Civilization's Relationship with the Forest." University of San Diego, California. April 1990.

Earth Day 1990 Speaker. "A Golden Thread: 2500 Years of Solar Architecture and Technology." University of Oregon, Eugene. April 1990.

Keynote Speaker. "A Golden Thread: 2500 Years of Solar Architecture and Technology." International Solar Energy Society Conference. San Diego, California. April 1989.

Invited Speaker. "A Forest Journey." Pepperdine University, Malibu, California. October 1989.

Invited Lecturer. "2500 Years of Solar Architecture." University of Southern California, Los Angeles. March 1983.

Invited Symposium Facilitator. "The Past, Present, and Future of Solar Energy." New Mexico State University, Las Cruces. October 1985. [Followed by similar lectures throughout New Mexico.]

Invited Speaker. "2500 Years of Solar Architecture." University of Kentucky, Lexington. November 1982.

Invited Speaker. "A Golden Thread: 2500 Years of Solar Architecture and Technology." University of Cincinnati, Ohio. November 1982.

Invited Speaker. "One Hundred Years of Solar Water Heating." Ball State University, Muncie, Indiana. November 1982.

Director's Lecturer. "A Golden Thread: 2500 Years of Solar Architecture and Technology." Solar Energy Research Institute (now National Renewable Energy Laboratories), Golden, Colorado. April 1980.

Invited Speaker. "Greek and Roman Solar Architecture." Lawrence Hall of Science, University of California, Berkeley, California. March 1980.

Invited Panelist. "The Future of Energy." United Nations International School/United Nations Student Conference: "Energy, Development, and the Environment." New York. February 1980.