

International Solar Energy Society

65th

Anniversary

1955-2020

pre-history

Farrington Daniels' keynote address on solar energy at 100th anniversary celebration of American Association for the Advancement of Science

The Telkes-Raymond-Peabody solar-heated house in Dover, Massachusetts (1948).



"Sun in the Service of Man" meeting organized by American Academy of Arts and Sciences in Boston, MA

"Ohio Academy of Sciences Symposium," covered various solar topics; served as framework for first meetings of coming solar energy organization in 1955

"Solar Energy Research" meeting organized by Farrington Daniels for National Science Foundation at University of Wisconsin

"Symposium on Wind and Solar Energy" organized by UNESCO in New Delhi, India

Meeting to establish Association for Applied Solar Energy, Phoenix, AZ



Henry Sargent, AFASE President

Articles of Incorporation (Dec 24, 1954)

'48 '49 '50 '51 '52 '53 '54

organizations/sections people meetings/activities publications

Harry Tabor with a flat-plate selective-surface steam generator at the "Sun at Work" exhibition at Phoenix in 1955

16-member AFASE Board of Directors

J.J. Yellott, secretary and assistant director of AFASE

\$10 individual member fee (student and "collective" memberships established)

AFASE offices established in Phoenix

5000-item library started; Telkes Collection donated (Jean Jensen, Founding Librarian)

The heliostats for the Montlouis furnace.

AFASE Advisory Council established

Frank Edlin, Jack Duffie, and Farrington Daniels at Montlouis, France, in 1958 attending the CNRS meeting.

Designate President and Board to be elected by membership

AFASE to new offices provided by College of Engineering at ASU

AFASE helped organize United Nations conference on "New Sources of Energy (Solar Energy—Wind Power—Geothermal Energy) in Rome.

Concept of "sections"

Australian and New Zealand Section, First Chair: R.N. Morse

AFASE reorganized, propose renaming to Solar Energy Society

Chilean Section

Name changed from AFASE to Solar Energy Society (SES), Jan 1, 1964

Italian Section (Jan 1964)

The Sun at Work

Conference on the Scientific Basis of Solar Energy, Tucson, AZ, Oct 30 - Nov 1, 1955

Jan Oostermeyer, AFASE President

World Symposium on Applied Solar Energy and Solar Engineering Exhibit, "The Sun at Work" Expo, Phoenix, AZ, Nov 1-5, 1955

John Yellott, AFASE Executive

Solar cookers on display at the Phoenix "Sun at Work" exhibition, 1955.

The Montlouis 50 m solar furnace.

E. Lee McLean, Executive Vice-President

Valentin Baum, Farrington Daniels, and Felix Trombe, at Montlouis, France, attending 1958 CNRS meeting.

Harold Walmsley, AFASE President (first elected president)

Farrington Daniels, SES President

Farrington Daniels experimenting with solar stills at his summer home in Wisconsin.

Mary Weber, first Office Manager

First linear Fresnel reflector system built in Genoa, Italy, in 1963 and assembled in Marseilles University by Helios technology faculty in 1964.

World Survey of Applied Solar Energy Research, by Weldon B. Gibson and Merrit Kastens of Stanford Research Institute

Applied Solar Energy Research, by E.J. Burda, published and distributed by Stanford Research Institute for AFASE

Proceedings of the World Symposium on Applied Solar Energy (SRI)

The "Sun at Work" Proceedings, Phoenix, AZ

The Sun at Work, v.1, n.1, first publication by AFASE, (Editor: Guy Benveniste, SRI)

Annotated Bibliography of Solar Energy Literature (SRI), Maria Telkes, published by AFASE

Transactions of the Scientific Conference, Tucson, AZ, by E.L. Carpenter

The Journal of Solar Energy Science and Engineering, by Charles Scarlott

Papers on High Temperature Technologies

Living with the Sun, book published by AFASE

NSF funds Journal of Solar Energy Science and Engineering and Sun at Work

MIT House IV, with liquid heating collectors and water storage.

The Denver house, designed by Hunter and occupied by the Lof family since 1957.

'55

'56

'57

'58

'59

'60

'61

'62

'63

'64

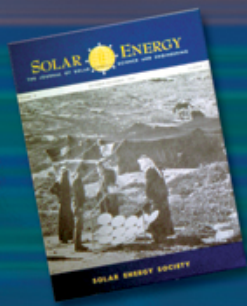
organizations/sections people meetings/activities publications

'65 '66 '67 '68 '69 '70 '71 '72 '73 '74

First point-focus Fresnel reflector system built at Sant'Illario Genova, Italy

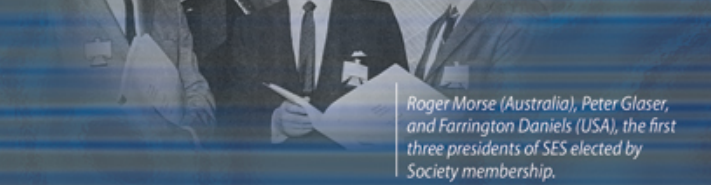
1st Annual Meeting of SES, Phoenix, AZ

2nd Annual SES Conference, Boston, MA



Sun at Work suspended

Journal of Solar Energy Science and Technology renamed Solar Energy: The Journal of Solar Energy Science and Technology (Editor: Andrew Drummond)



Roger Morse (Australia), Peter Glaser, and Farrington Daniels (USA), the first three presidents of SES elected by Society membership.



Peter E. Glaser, SES President

3rd Annual Meeting of SES, Industrial Aspects of Solar Energy, Tempe, AZ



Frank Edlin, Farrington Daniels, and Peter Glaser at Tempe meeting, 1967.



Roger N. Morse, SES President, first from Australia

4th Annual Meeting of SES, Palo Alto, CA

Board proposed Headquarters move (USA, Australia, Japan, France, or USSR) and name change

Library donated to ASU; also, dues raised to \$20/year

Office moved from Tempe to CSIRO in Melbourne, Australia (President: R. Morse), June 1970

United States Section, Offices in Smithsonian Radiation Biology Lab, Rockville, MD. First Chair: W.R. Cherry (July 1970)

Proposed name change from SES to ISES

SES officially becomes International Solar Energy Society (ISES)

"Member Services" becomes priority

David Norris (Australia), Jack Duffie, Wal Read and Everett Howe inspecting an experimental CSIRO solar still at Griffith, New South Wales, Australia.



1st (1970) ISES Solar World Congress, Melbourne, Australia



Roger Morse (Australia), Jack Duffie (USA), Taro Hisada (Japan), and Julio Hirschmann (Chile) examine a solar water heater at Melbourne, 1970.

ISES News published, Sept 1971 (Editors: F. Hogg and W. Read)



Solar Energy Journal (New editor: P. Glaser)

Frank G. Hogg (Australia), Secretary-Treasurer of ISES from 1970 to 1985, and Editor of ISES News.

1971 Solar World Congress, "Sun's Energy—Resource for Survival," Greenbelt, MD



John A. Duffie, ISES President



1973 Solar World Congress, "The Sun in the Service of Mankind," Paris, France



George O.G. Löf, ISES President

Solar Energy Society of India (First Secretary: R.L. Datta)



Frank Edlin, Mary Weber and John Yellott at the 1967 SES meeting, Tempe.

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Oil Crisis, spurs growth period for ISES

United Kingdom Section and Japanese Section (July 1973)

Solar Energy Society of India (formally associates with ISES)

U.S. Section changed to American Section

Solar Energy Society of Southern Africa (Southern Africa Section) (Dec 1974)

Sun at Work in Britain begins publication (Editor: A. Pulford)

Farrington Daniels Award established



William H. Klein, ISES President

1975 Solar World Congress, "Solar Use Now—A Resource for People," Los Angeles, CA

Dutch Section. First Chair: J.C. Francken (July 1975)



R.L. Datta, ISES President, first from Asia

1977 Solar World Congress, "Sun: Mankind's Future Source of Energy," New Delhi, India

Solar Energy Association of Scandinavia (Scandinavian Section) (Feb 1976)

Solar Energy Society of Ireland (Irish Section) (Mar 1976)

Belgian Section and German Section (May 1977)

U.S. Section incorporated as "ISES, American Section, Inc." (Jan 1978)

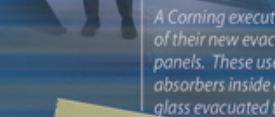
Arab Section. First Chair: Ali A.A.M. Sayigh (Jan 1978)

Valentin Baum receives the Daniels Award at the 1978 New Delhi Congress, presented by ISES President R. L. Datta, with George Löf assisting.

William W. S. Charters, ISES President

1979 Solar World Congress, "ISES Silver Jubilee," Atlanta, GA

Christopher A. Weeks "Achievement through Actions" Award



A Corning executive behind one of their new evacuated tube panels. These used flat-strip absorbers inside cylindrical glass evacuated tubes.

1979 Solar World Congress, "ISES Silver Jubilee," Atlanta, GA

ARCO: world's largest PV manufacturing plant, 1 MW/year

ENEL begins operating 1-MW Erelios solar power plant at Adriano, Italy—first grid-connected central-receiver solar power plant in world.

UN Conference on New and Renewable Sources of Energy, Nairobi, Kenya

1981 Solar World Congress, "Solar Technologies in the Eighties," Brighton, UK

Solar Challenger flies across English Channel, 3-kW power, Paul MacCreedy

Solar Energy Research Institute (SERI) funding cut in half

"Solar One": first large solar-thermal demo plant in Daggett, CA

1983 Solar World Congress, Perth, Australia

SEGS 1: large commercial solar-thermal plant in CA

1-kW solar PV car driven across Australia (BP Oil Co.) by Hans Tholstrup

Carissa Plains, CA: largest PV installation at 6 MW

The BP Quiet Achiever, the first solar car driven across a continent.

A Luz LS-3 parabolic trough plant in California.

The Solar Challenger in flight.

The Solar One central receiver plant, or "Power Tower"

Wal R. Read, ISES President

Past Presidents sitting with the new President in Perth. In the front row, left to right, are Wal Read, Harry Tabor, and Bill Charters, and in the back row, Jack Duffie, Roger Morse, George Löf, and Bill Klein.

Harry Z. Tabor, ISES President, first from Israel/Middle East

Restructuring ISES (1981–1986)

New ISES by-laws adopted

ISES Board Meeting in Israel addresses membership crisis

SolarAge published by ASES (Editors: B. Andersen and K. Wasserman)

Solar Energy from 4 to 6 issues per year

SunWorld succeeds Sun at Work (Editors: E. Howe and Y. Howell)

Solar Energy goes monthly (Editor: P. Glaser)

Wal Read, Bill Charters, Jack Duffie and Roger Morse at CSIRO in Australia.

Bill Charters with an early version of his heat pump solar collector.

Peter Glaser, Everett Howe, ISES vice president 1979-81 and editor of SunWorld, and George Löf.

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New method of electing directors

Long-range planning committee established

March ISES News membership survey

Karl Böer Medal established



Prof. Ken-ichi Kimura announcing the 1999 Solar World Congress in Kobe.

Headquarters moved from CSIRO to East Caulfield, Victoria

Start of change of ISES from "scientific" society to broader, more international

ISES Outreach Program

International Association for Solar Energy Education (IASEE): new working group

Left to right: Michael Nicklas, Maurizio Cumo (ISES board member), Corrado Corvi (President of ISES Italy) and Adolf Goetzberger at the Rome Roundtable.

ISES Europe Secretariat established

ISREE-1 Dalarna University Borlänge, Sweden June 19-20

ISREE-2 Carl von Ossietzky University Oldenburg, Germany June 10-11

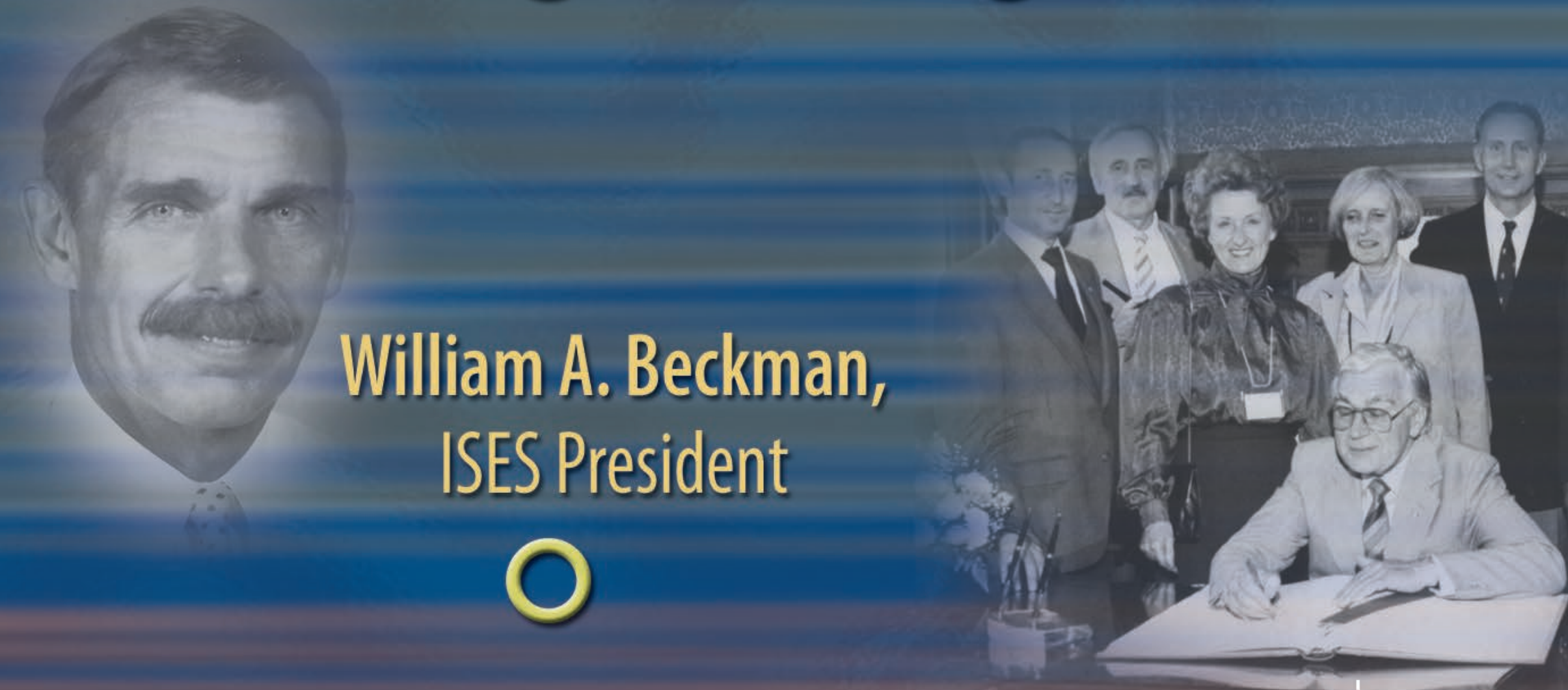
Great ISES Europe Debate

Initiatives of ISES (6 planks)

ISREE-3 Dalarna University Borlänge, Sweden June 14-16

ISREE-4 Asian Institute of Technology Bangkok, Thailand December 12-14

Adolf Goetzberger, Despina Serghides (Conference Organizer) and Chris van Koppen at a conference function (1994)



William A. Beckman, ISES President



The President signing the register in the Mayor's office in Montreal in 1985.

1985 Solar World Congress, "Intersol '85," Montreal, Canada



Horst Hörster, president of the German Section, Wal Read and Bill Beckman pointing the way to Hamburg.

1987 Solar World Congress, "Advances in Solar Energy Technology," Hamburg, Germany

Renewable energy R&D begins to increase



Early wind generators on Altamont Pass, California.



A traditional Japanese cultural presentation at the Congress. (1989)

Douglas Lorriman, ISES President



President-Elect Doug Lorriman between his two predecessors Bill Beckman and Corrado Corvi (1989).

1989 Solar World Congress, "Clean and Safe Energy Forever," Kobe, Japan

PV parking meters



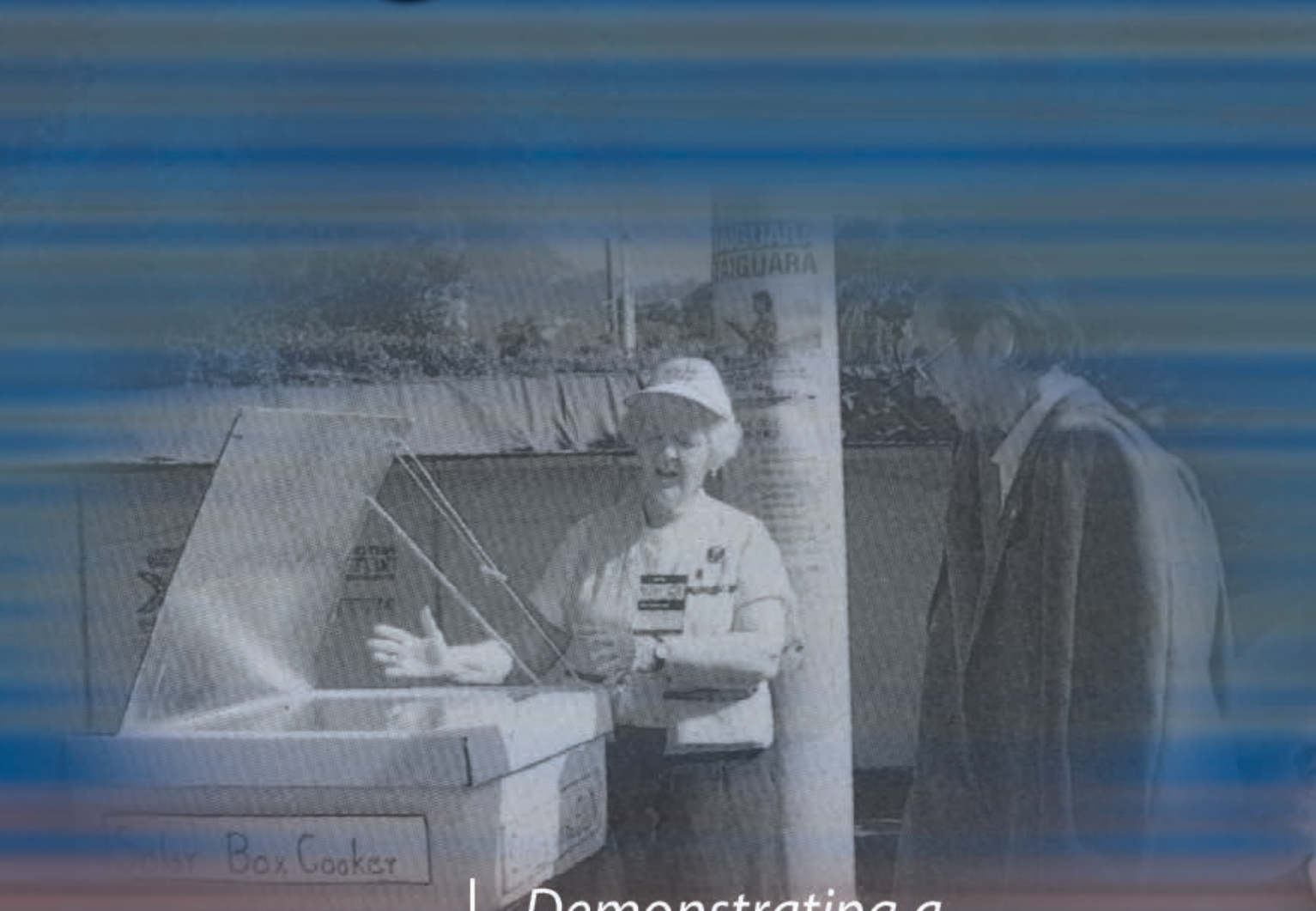
President Corvi and Executive Director Wal Read assist the hosts with the ribbon cutting (1989)

Adolf Goetzberger, ISES President



1991 Solar World Congress, "Solar Energy for the 21st Century," Denver, CO

Geneva Conference of the Parties (COP 3)



Demonstrating a solar box cooker to a delegate at Rio.

The President and Past President Wal Read at Rio at the time of UNCED (1992)

Michael Nicklas, ISES President



Former U.S. President Jimmy Carter accepting the first Karl Böer Medal (1993).

1993 Solar World Congress, "Harmony with Nature," Budapest, Hungary

The Earth Summit in Rio de Janeiro, Brazil (plus ISES Board Meeting)

First Karl Böer Medal awarded

European NGO Summit, Waldorf Astoria Hotel, NY (May 1994)

Grid-connected 3.3 MWp PV plant in operation in Serre, Italy—largest of this type in Europe



Mike Nicklas and Larry Sherwood discussing details in Peacock Alley (1994).



Alison Patterson, the Assistant Editor of SunWorld, moderating the environmental panel of the NGO Summit (1994).

Past President George Löf receiving the Farrington Daniels Award from the President at the 1985 Congress in Montreal.

Sun at Work in Europe begins publication (Editor: L. Jesch)



ISES Brudtland Report "Our Common Future," arguments for renewable energy and against acid rain, greenhouse effect, pollution

Solar cars on display to public at the World Solar Congress.



ISES News editorial "The Greenhouse Effect and Society" by Wal Read



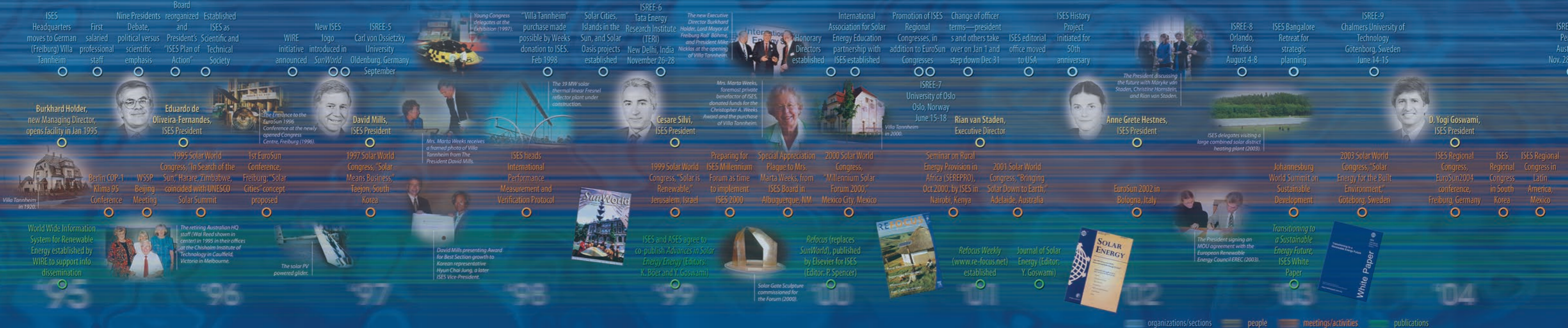
Professor I. Ushiyama sampling minimalist clean transport (1989).

SunWorld upgraded to "reader magazine"

A drawing entered into the competition by Szabó Nikolett (13 years in 1993).



Security in Rio at UNCED.



Clean Development Mechanism (CDM)

ISREE-11 Orlando, Florida August 6-7

Promoting Renewable Energy In Africa (PERA)



First Joint Events ISES/REN-Alliance White Paper (COP15 Copenhagen) December 15-18, 2009



Solar 2010 ASER Annual Conference Phoenix, AR (USA)

1st REN Alliance Side Event (COP16 Cancun) Nov 29 - Dec 10, 2010

ISES Webinars Series Initiation: "Solar Thermal Electricity" September 4, 2012



Torben Esbensen, ISES President

2005 ISES Solar World Congress, "Bringing Water to the World," (and Golden Anniversary 50-Year Celebration), Orlando, FL August 8-12



ISES Asia-Pacific 2006



Monica Oliphant, ISES President

2007 ISES Solar World Congress Beijing, China September 18-21



EuroSun 2008 Lisbon, Portugal October 8-10 (Manuel Collares Pereira, EuroSun Chair)



Dave Renné, ISES President

2009 ISES Solar World Congress Johannesburg, South Africa October 11-14



EuroSun 2010 Graz, Austria September 28-October 1



Graz opening



Ana Grete Hestnes, Daniels Award



2011 ISES Solar World Congress Kassel, Germany August 28-September 2



Wolfgang Palz, Scheer Leadership Award



EuroSun 2012 Rijeka, Croatia September 18-20



Energy Secretary Pedro Joaquin Coldwel opening Congress with David Renne, ISES, and Alvaro Lentz Herrera, ANES Congress Leadership



2013 ISES Solar World Conference Cancun, Mexico November 3-7

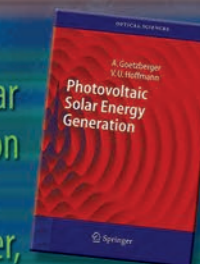


EuroSun 2014 Aix-Les-Bains, France September 16-19

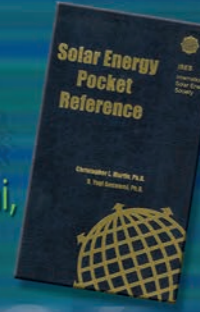


2013 Solar World Conference Energy Procedia (Editors: Alvaro Lentz David Renné)

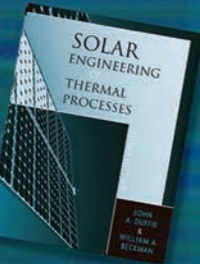
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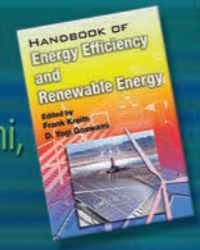
Solar Energy Pocket Reference Book (Editors: D. Yogi Goswami, Christopher L. Martin)



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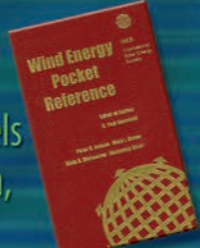


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Passive Solar Architecture Pocket Reference Book (Editors: Ken Haggard, David Bainbridge, Rachel Aljilani)



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