

A Brief History of ANZSES Qld – People and Actions Pre 2000

T Berrill

Sustainable Energy Systems Engineer/Educator (retired – sort of)

ISES forms 1954



Courtesy: ISES

- To foster and encourage the research, development, application, and education in the fields related to solar and other energies
- Australian researchers at CSIRO key roles – all engineers focused on practical application
Roger Morse
Wal Read
Frank Hogg

1981 - ANZSES forms affiliated chapter ISES

Wal Read (CSIRO)
Frank Hogg (CSIRO)
Dr Norm Sheridan
(UQ Mech Eng)

Dr Steve Szokolay
(UQ Arch Sc. Unit)
Editor Solar Progress

Formation of SERC

Courtesy: ANZSES

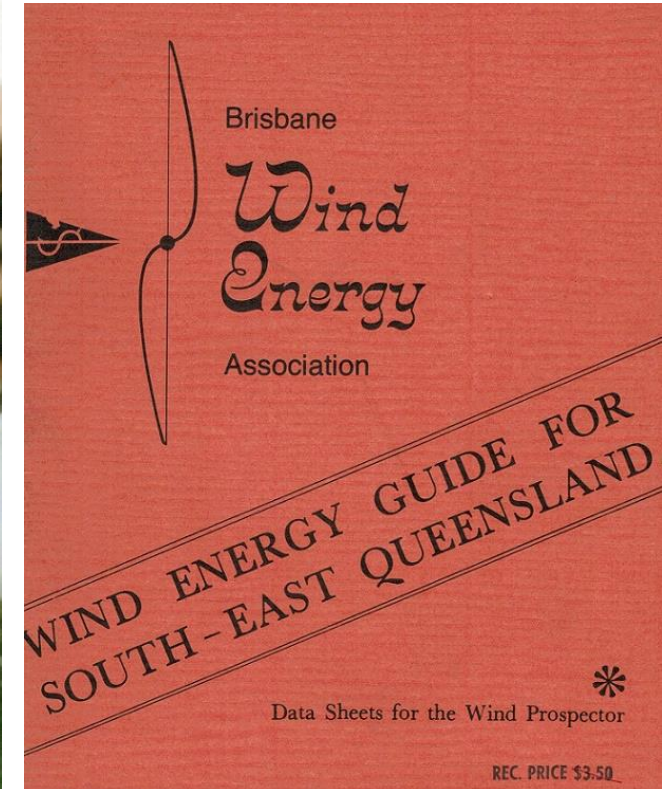


Other Groups forming early 1980s

- Alternative Technology Association (now called RENEW – emerges from FOE)
- APACE (Appropriate Technology – E F Schumaker)
- AusWEA (local BrisWEA)
- (Mark Diesendorf, Neville Jones, Alan Langworth)



Courtesy: www.renew.org.au
and BrisWEA



BrisWEA – hand-ons community group

Formed by Neville
Jones (UQ)

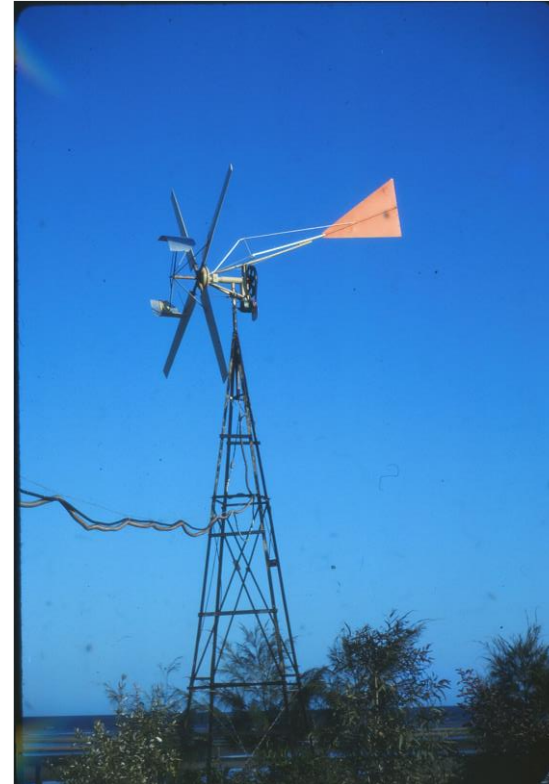
1924 - 2007



Active members

- Trevor Berrill
- Jim Bishop
- Peter Clark
- Mel Grant
- Ian Trail

Source: All photos T Berrill



Role of “Alternative Tech” Groups

- Application of ‘green’ technologies to address environmental concerns
- Advise Government on Policy to Support Uptake of RE and EE
- Public Education / Field Trips Demonstration of Applications



Source: T Berrill

SERC Staff 1983

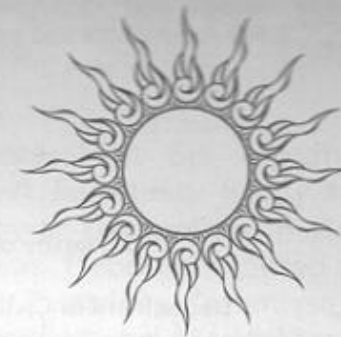
Director
Dr U Ortabasi

Legacy MPPT
Stuart Watkinson
AERL

Source: SERC Annual Report 1983

MEMBERS OF SOLAR ENERGY RESEARCH CENTRE

Not included are Peter
Ritson & Gus Suarez
who left SERC during
the year.



Mr. S. T. Bushby
B.Sc., M.Sc.
Senior Research
Assistant Grade II
Solar air conditioning
utilising evacuated heat
pipe collectors



Mr. F. H. Dyksterhuis
B.Sc., M.Sc.
Senior Research
Assistant Grade II
Honeycomb stabilized
solar ponds



Mrs. T. D. Ewart
Secretary (4
days/week)



Mr. P. O. Fries
B.Sc., Dip.Ed.
Research Assistant
Grade I
Collector testing,
concentrating
photovoltaic
experiments, public
relations



Dr. E. M. Gray
B.Sc. (Hons), Ph.D.
Research Fellow
Solar hydrogen
generation and storage,
standardization of
computer system and
experiment interfaces,
parabolic
dish/receiver/engine
systems, solar data
acquisition.



Dr. H. Gurgenci
B.Sc., M.Sc., Ph.D.
Post-Doctoral Research
Fellow
High temperature solar
thermal to electric
conversion methods
and computer
modelling of solar
ponds



Dr. U. Ortabasi
Ph.D.
Diplom. Physiker
Director



Dr. P. G. Jolly
B.E. (Hons), Ph.D.
Research Officer
Solar drying program



Mr. L. J. Jones
Research Assistant
Grade III
Electronic workshop,
computer software,
solar radiation studies
in Brisbane



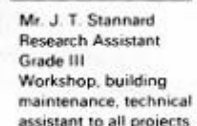
Miss L. A. McGuire
Clerk-Typist



Mrs. M. Rosbrook
Secretary (1 day/week)



Mr. A. L. T. Wright
Refrigeration Mechanic
(Temporary)
Solar air conditioning
utilising evacuated heat
pipe collectors



Mr. J. T. Stannard
Research Assistant
Grade III
Workshop, building
maintenance, technical
assistant to all projects

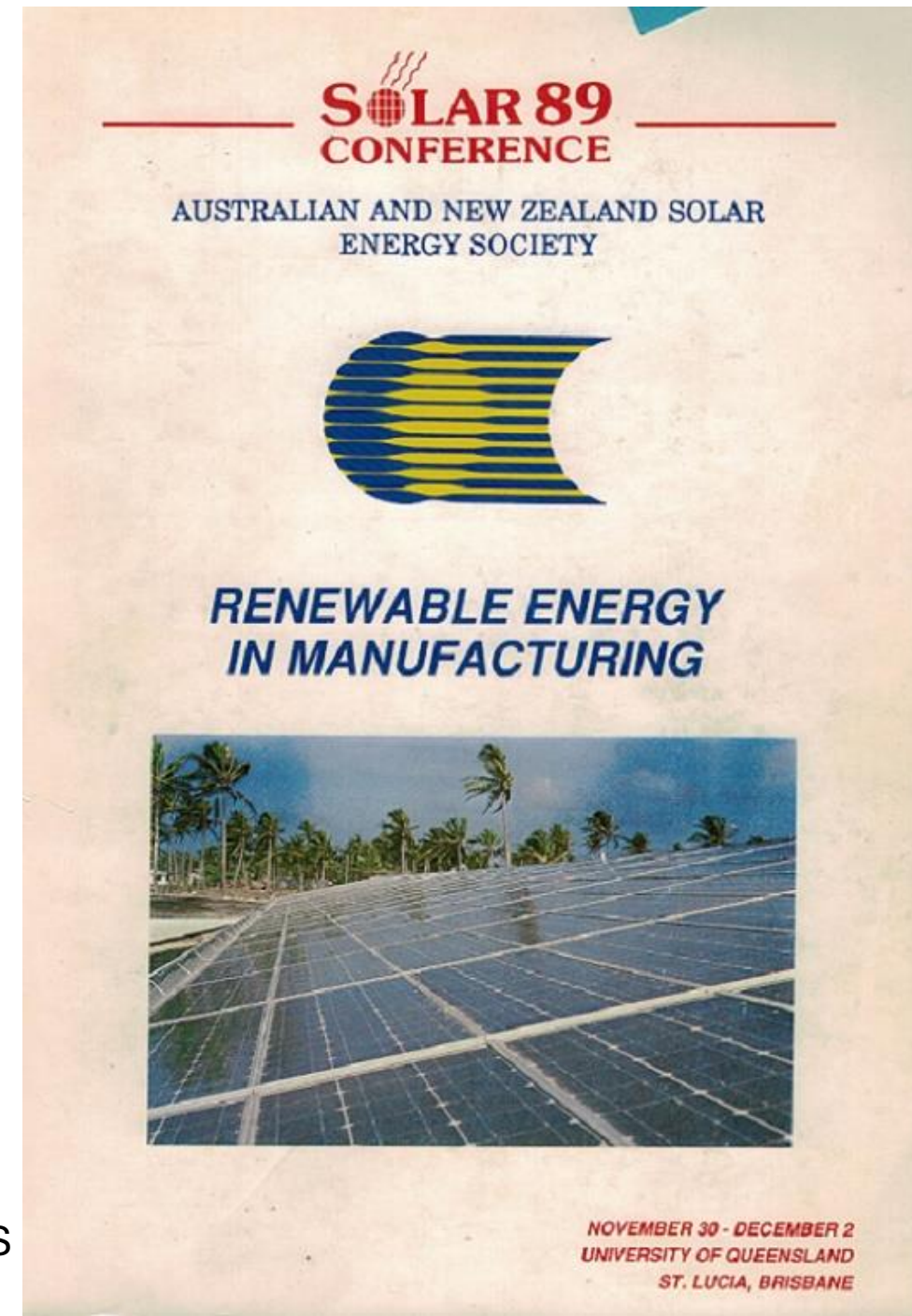
Solar 1989 – ANZSES first Conference in Brisbane

- Committee Chair –
Dr Peter Jolly

Committee Members

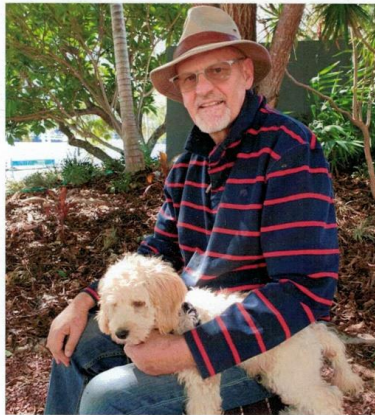
- Trevor Berrill,
- Francis Bond,
- John Foster,
- Peter Fries,
- Paul Fritz,
- Mel Grant,
- Richard Sale,
- Ian Trail

Courtesy: ANZSES



Key Papers

- Dr Peter Jolly
Peter Geoffrey Jolly



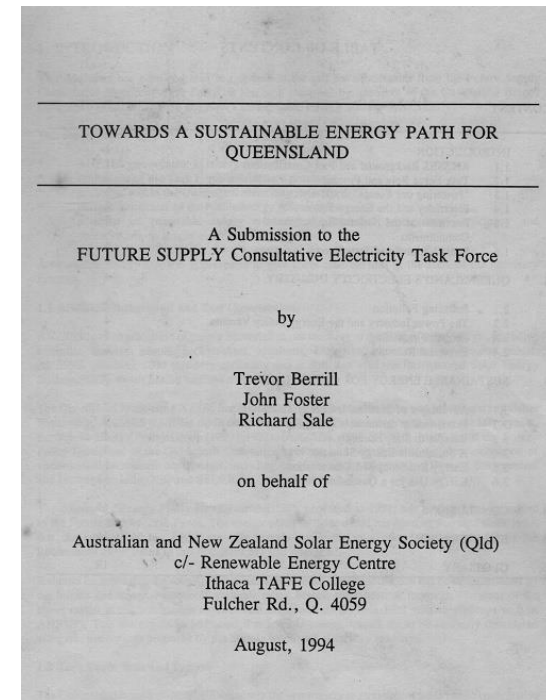
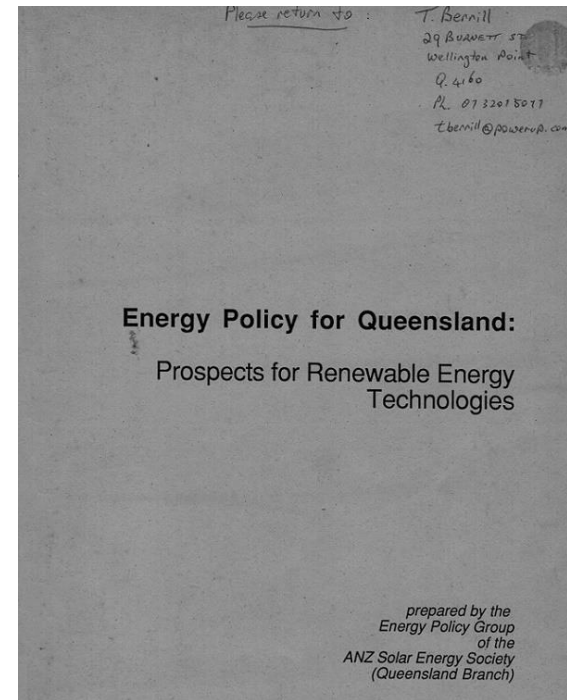
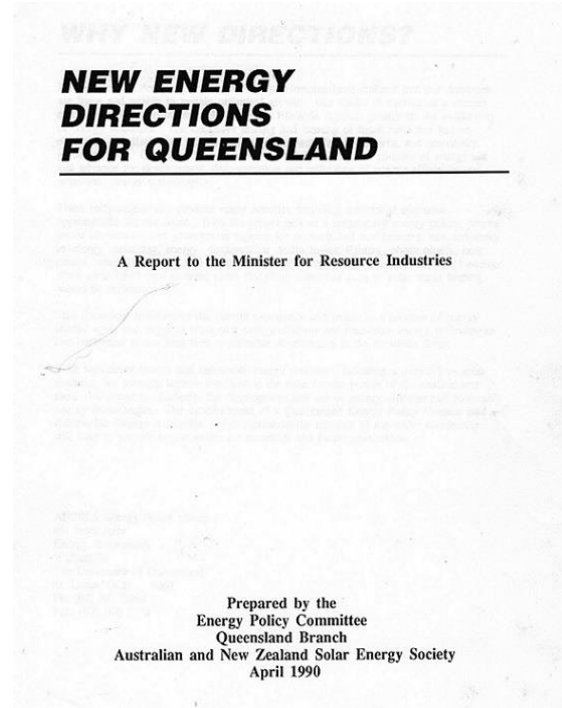
Courtesy: P Jolly family

November 10th, 1953 - August 3rd, 2023

- Emeritus Prof Ian Lowe
- The energy required to manufacture renewable energy technologies – P.J. Jolly and R. O’Sullivan Paper
- The potential contribution of renewable energy technology to slowing climate change

ANZSES Qld Policy Group – Reports to Govt.

- Trevor Berrill
- Peter Clark
- John Foster
- Peter Jolly
- Richard Koerner
- Paul Monsour
- Richard Sale
- Holger Willrath



Source: ANZSES Qld Branch

1990s

- New Labor Govt – Environ. Ministers Pat Comden and Rod Welford
- Recognition of need to Lobby Govt.
- Change in focus – Policy Reports / Lobbying

Source: T Berrill

Renewable Energy Centre,
TAFE - National Training RE & EE
ANZSES / Renew Meetings



A Great Team – Trevor Berrill, Paul Monsour, Dave Keenan, Ray and Wendy Miller, Sasha Giffard

Role of Energy Efficiency - 8kWh/day NOT 22kWh

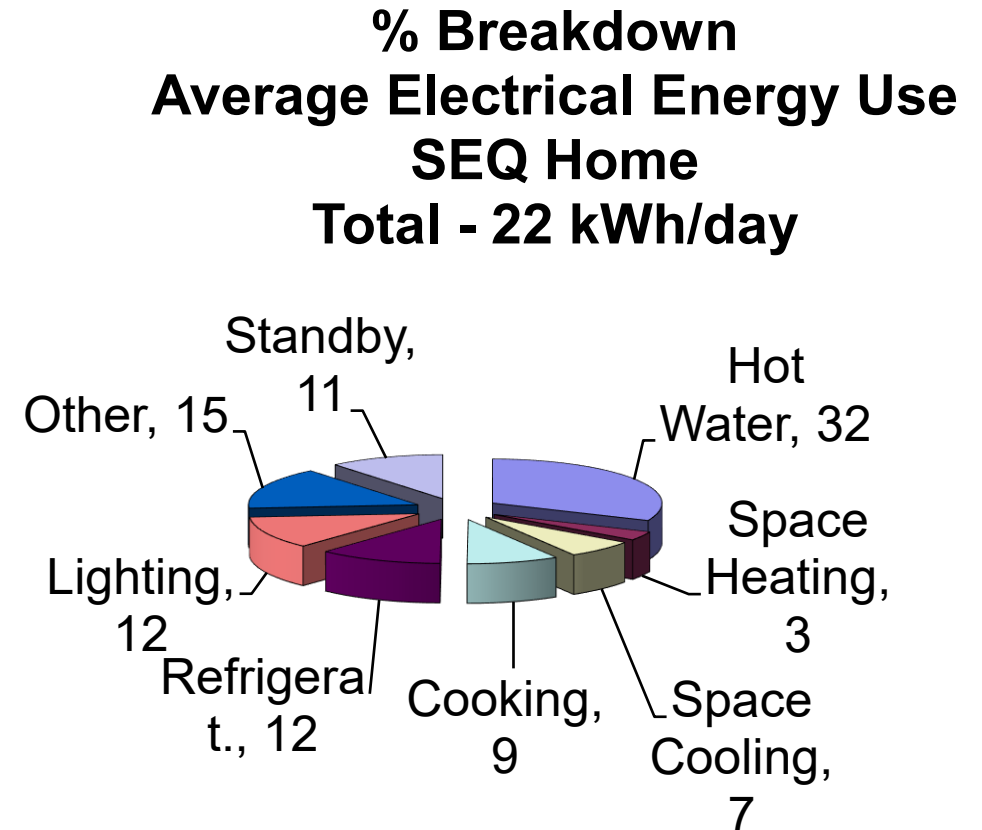
Building Design and Appliance Efficiency

Federally

- CSIRO – Cheetah / NatHERS

Qld

- Dr Szokolay / Richard Sale
- Dr Holger Willrath – BERS
- Dr Clyde Andersen – Consultancy / CSIRO Studies



Source: T Berrill

1990s Policy Changes & Implementation

- Solar Water Heating
- Energy Efficiency Buildings – Qld Govt. Energy Info Centres
- Remote Area Power (off-grid) – National Parks – Reg Dir. Des Jones
- Training Courses – 1990 TAFE/SEIA
- Grid Connected PV – 1994 Solar ONE – P Fries
- Resource Assessment – Energex / Daintree Feasibility Study / D Mills PhD



Source: T Berrill (above & P Fries)



We have come a long way!!!
To Be Continued



Source: T Berrill