

CWEMF
Career Achievement Award

February 26, 2008

Career Achievement Award

- Initiated in 2004
- To individuals for significant contributions over their career in developing, using or promoting computer modeling to analyze California's water-related problems
- Recognizes significant and sustained contributions in:
 - Increasing the usefulness of models in water management analyses
 - Promoting sound quantitative analyses in water management decisions
 - Raising public awareness and improving public acceptance of the role of modeling.

Past CAA Winners

- 2004 - Lyle Hoag, CUWA/CWEMF Co-Founder
- 2005 - Maury Roos, DWR
- 2006 - George Barnes, DWR
- 2007 – Darryl Davis, U.S. COE

2008
Career Achievement Award
Winner

Lloyd Peterson

Lloyd Peterson

- A.A.S. in Forestry from Paul Smiths College
- B.S. in Forest Engineering from Syracuse Univ.
- M.S. in Water Res. Engineering from Utah St.
- 1971-73: Accomplished navigator as Navy Quartermaster
- In 1975, began career w/ USGS & COE
- In 1992, began career with USBR

Lloyd Peterson

- 1992: CV Ops--New Melones/Folsom Res.
- 1994: Delta Ops--DPP/San Luis/Demands
- 1998: Dep. Reg. Planning Officer-Modeling
- 2000: Chief of Reservoir Systems Branch
 - River Modeling
 - Reservoir Temperature Modeling
 - CalSim Modeling

Lloyd Peterson

Accomplishments:

- Fostering collaboration between DWR and USBR in the development, applications, and improvement of CalSim-II
- Promoted open modeling practices, which improved public acceptance of CalSim-II
- Oversaw development of an improved CalSim simulation of Lower SJR WQ
- Initiated CalSim II SJR peer review

Lloyd Peterson

Accomplishments:

- Oversaw development of sub-daily time-step reservoir, river WQ and temp models
- Key role in improvement of the GW module, C2VSIM, and its incorporation in CalSim-III
- Author of the original version of the CVP Allocations Spreadsheet Model, which is still used by USBR

Lloyd Peterson

- “Visionary who realized the modeling community would benefit from a team approach”
- “Provided great synergy in developing a jointly coordinated model and his involvement marked a clear turning point in the coordination between USBR and DWR”
- “High passion and unwavering perseverance”
- “Showed a genuine interest and real concern for the lives of those who worked with him”

Lloyd Peterson

- Retired in October 2007
- Lives in Canandaigua, NY w/ Marguerite
- 178 year old house

2008 CWEMF
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Lloyd Peterson

Lloyd E. Peterson

Career Achievement Award

In recognition of his significant contributions during his 32 years in the water resources field and in his perseverance in fostering collaboration between the California Department of Water Resources and the U.S. Bureau of Reclamation in the development, application, and improvement of CalSim-II, in refining the San Joaquin River water quality simulation in CalSim-II, and in promoting open modeling practices and, thereby, improving public acceptance of CalSim-II.

February 26, 2008

Tara Smith
CWEMF Convener

KT Shum
CWEMF Past-Convener

Lloyd Peterson



Lloyd Peterson



Lloyd Peterson



U.S. John R. Craig (DD-885) 1971-73 Vietnam





- He also played a key role in the development of the San Joaquin water quality implementation in CalSim II; some of the on-going work that Levi Brekke is doing on climate change; under his leadership Reclamation developed its first subdaily time-step reservoir and river water quality and temperature models, he played a significant role in the development of improved simulation capabilities for groundwater in CalSim III. He initiated a peer review of CalSim in the San Joaquin.

Lloyd Peterson

- The Award is also made in appreciation of your role in the development of a water temperature modeling system and in the improvement of the groundwater module, C2VSIM, and its incorporation in CalSim-III.
- clearly understood the need for continued coordination with BOR on ground water and his support for development of C2VSIM and emulation were instrumental in the development of CalSim today. Development of Water Temp Model
- Development of CalSim Lower SJR WQ
- CalSim Improvements
- in fostering collaboration between the California Department of Water Resources and the U.S. Bureau of Reclamation in the development, applications, and improvement of CalSim-II
- Lloyd was instrumental in the development, application, and improvement of CalSim.
- and he is the author of the original version of spreadsheet model which is still used by Reclamation in making CVP allocations each year.

- Lloyd's assumption of management responsibilities in Reclamation's Division of Planning indeed marked a clear turning point in the coordination of modeling efforts between Reclamation and DWR. He championed a cooperative environment in the development of CALSIM and was firmly dedicated to the support of this and other ongoing model development initiatives.