AMQUA 2022
American Quaternary Association Biennial Meeting
June 7-11, 2022 Madison, Wisconsin

DISTINGUISHED CAREER AWARDS
2019 Vera Markgraf
2020 Julio Betancourt
2021 Estella Leopold
2022 Julie Brigham-Grette
Vera Markgraf
2019 AMQUA
Distinguished
Career Awardee

Platt Bradbury & Vera

Vera and Allan Ashworth
Paleoclimate reconstruction along the Pole–Equator–Pole transect of the Americas (PEP 1)


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Edited by Vera Markgraf

2001 Academic Press
Drs. Julio L. Betancourt and
Tom Van Devender
Dept. of Geosciences
University of Arizona
Tucson, AZ 85721

Dear Julio and Tom:

Thanks for sending me a copy of your SCIENCE article which I did not find time to respond to earlier this summer. I apologize, but the activities here with the Journal and all have kept me hopping.

I have read the revision of your report to SCIENCE with great interest. It is a nice piece of work and cleverly designed. I especially liked your quantitative diagram displaying macrofossil evidence as a kind of histogram. I think my only regret is that you did not take more of a swing at Wright, et al., 1973, over their projected late glacial distributions of ponderosa pine. I was unaware of the known climate requirements of Rocky Mountain juniper; those are helpful indeed.

As Geoff has told you, we tucked in a comment about your work in the southwestern chapter for Porter's book.

Thanks for sending this to me and I am sorry to be so long in responding. Keep up the good work.

Sincerely,

Estella B. Leopold
Director
Retired from federal service in 2018
Moved to USGS Natl Center 2013

Co-founded USA-Natl Phenology Network
Co-founded S AZ Buffelgrass Coord Center

U. of Arizona adjunct prof. in 3 diff. colleges
USGS research scientist since 1987

M.S. & Ph.D. from U. Arizona
Married & had 3 children

Tried 1 semester of grad. UNM, fieldwork in Peru, Belize, and SW US; B.A. Anthro, U. Texas in 1974

Lived in Dallas, Tx from 4th grade through high school

Emigrated to US during Cuban Revolution
Childhood in Havana, Cuba;
Senior Scientist-Research Hydrologist
National Research Program
USGS Water Resources Division

1981-2012

Retired from USGS in 2018
Currently flunking retirement as a Scientist Emeritus
Jeff Dean
Laboratory of Tree-ring Research
University of Arizona

Tom Van Devender
Greater Good.org
“A PACLIM Workshop is a somewhat informal affair held in full view of Monterey Bay, where a glaciologist can walk the beach with a phytoplankton ecologist. If PACLIM is anything, it is an opportunity to talk across disciplines.”

“Character and Timing of Rapid Environmental and Climatic Changes”

American Quaternary Association
Seattle, WA


“Seasonal Climatic Responses in the Quaternary”

American Quaternary Association
Boulder, CO

Retooling the Quaternary to Manage the Anthropocene

American Quaternary Association
Santa Fe, New Mexico
A large-scale network of repeated and integrated plant and animal phenological observations, and the tools to analyze them at local to national scales.
Southern Arizona Buffelgrass Coordination Center

A non-profit partnership across the public & private sector entrusted with educating, planning, and coordinating mitigation of buffelgrass invasion and its impacts across multiple jurisdictions.
North American Packrat Middens

Histogram showing the distribution of midden counts over time spans of 0 to 10 ka, 10 to 20 ka, 20 to 30 ka, 30 to 40 ka, and 40 to 50 ka.
South American Rodent Middens

0 to 10 ka

10 to 20 ka

20 to 30 ka

30 to 40 ka

40 to 50 ka

Scaled Probability Density
Family & Work-Life Balance
The best reminder that you can’t hug your reprints