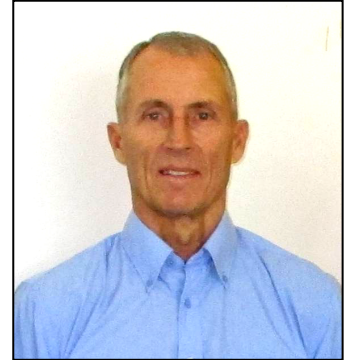


CV : Mark R Jury



Personal details

Address: 514 Los Almendros, Rincón, Puerto Rico, 00677, USA

e-mail : mark.jury@upr.edu website: academic.uprm.edu/accam/mark/

Professor of Meteorology, Physics Dept, University of Puerto Rico

Interests: surfing, golf, coastal management, tropical weather

Background: Born 1953, raised in Florida USA, Eagle Scout, Church & School leader, USA citizen, South Africa part-time resident, married to V. Elizabeth Gomez-Mesa.

Tertiary Degrees

- Florida State University; BSc Meteorology, 1976
- University of Cape Town; MSc Environmental Science, 1980
- University of Cape Town; PhD Physical Oceanography, 1984

Employment Record

- Meteorological assistant, Peru coastal upwelling project; Florida State Univ, USA: field logistics, weather network installation and calibration, 1976
- Meteorologist, thunderstorm research project; South African Weather Bureau, Pretoria: weather radar operator; radiosonde and weather station data analysis; support to research aircraft operations, 1976-1978, supervisor: Dr P. DuToit
- Research Meteorologist, coastal upwelling project; Sea Fisheries Research Inst, Cape Town, South Africa: coastal weather station network logistics; 600 hours of aerial surveys, data processing and interpretation; writing of research papers, 1978-1981
- Meteorological / Environmental Manager, environmental services, Koeberg Nuclear Power Station, Eskom, Cape Town, South Africa: management of marine and air pollution meteorology program at coastal office. 1981-1986
- Assistant Professor, university education and research; Dept. of Oceanography, Univ Cape Town: teaching 3-4th year courses in ocean-atmosphere science; litigation consultant, supervision of grad.student theses. 1986-1995
- Professor, university education and research, Environmental Sciences Dept, University of Zululand: teaching 3-4th year courses in climate and the coastal environment; supervision of MSc-PhD student theses. Department Head. Leader of municipal air pollution committee, 1996-2005
- Professor, university education and research, Physics Dept, University of Puerto Rico, Mayaguez: teaching 3-4th year courses in meteorology, research on Caribbean Weather, litigation consultant. 2006-present, Supervisor: Prof H. Jimenez.
- Part-time consultant, meteorology and hydrology services and network design, use of climate data in long-range forecasting and agricultural applications in Africa and the Caribbean, staff training workshops in national weather services (Barbados 2012, Dominican Rep 2013, Martinique & St Lucia 2014, Ethiopia 2015, Zambia 2016).

Research Leadership

- Convenor of CLIVAR-Africa panel for WCRP (1996-2000)
- Leader of SA Dept Education project on African Climate (1997-present)
- Member of World Economic Forum: Climate panel (2000-2004)

- Founder member: Indian Ocean Observing System (2000-2004)
- Leader of UNESCO coastal bio-diversity project (1999-2005)
- Leader of NSF Epscor project on Caribbean Hurricanes (2006-2007)
- Co-Leader of Rockefeller project on African Climate & Agriculture (2012-2015)
- Co-leader of Puerto Rican Climate Change Council (2012-present)
- Mentor of 14 MSc and 7 PhD theses (1992-present)

Awards and Memberships

Professional member: American Meteorological Society
 WMO (International) Award for research excellence in 2008

Recent Publications – since 2016 (numbered by career total)

- 254 Jury, M.R., 2018, South Indian Ocean Rossby waves, *Atmos Ocean*, doi:10.1080/07055900.2018.1544882.
- 253 Jury, M.R., 2018, Global wave-2 structure of ENSO-modulated convection, *Intl J. Climatology*, doi:10.1002/joc.5963
- 252 Jury, M.R., 2018, Northward excursion of the ITCZ toward the Caribbean in boreal summer, *Meteor Atmos Phys*, doi:10.1007/s00703-018-0642-1
- 251 Jury, M.R., 2018, Puerto Rico sea level trend in regional context, *J. Ocean Coastal Manag*, 163, 478-484.
- 250 Jury, M.R., 2018, Characteristics of Ethiopia air chemistry and its meteorological context, *Earth Interactions*, 22, 1-22, doi.org/10.1175/EI-D-17-0009.1
- 249 Winter, A., M.R. Jury, P.W. Sammarco, D. Zanchettin, 2018 On the Relationship between Coral $\delta^{13}C$ and Caribbean climate, *Intl J Climatol*, 1-10. doi.org/10.1002/joc.5772
- 248 Jury, M R, 2018, The pattern of climate change around the Windward Passage, *Theor Appl Climatol*, doi:10.1007/s00704-018-2658-3
- 247 Jury, M R, 2018, Climate trends across South Africa since 1980, *WaterSA*, 44, 297-307.
- 246 Jury, M.R. 2018, Characteristics and meteorology of Atlantic swells reaching the Caribbean, *J. Coastal Res.*, 34, 400-412, doi:10.2112/JCOASTRES-D-17-00029.1
- 245 Jury, M R, 2018, Climatic modulation of early summer dust emissions over West Africa, *J. Arid Environments*, 152, 55-68.
- 244 Jury, M.R. 2018, Eastern Venezuela coastal upwelling in regional context, *Reg. Studies Marine Science*, 18, 219-228.
- 243 Jury, M.R. 2018, Modulation of currents near Durban, *Reg. Studies Marine Science*, 18, 208-218.
- 242 Jury, M.R., 2017, Caribbean air chemistry and dispersion conditions, *Atmosphere*, 8, 151, doi:10.3390/atmos8080151.
- 241 Jury, M.R. 2017, Evaluation of satellite-model proxies for hydro-meteorological services in the upper Zambezi, *J. Hydrology: Regional Studies*, 13, 91-109. doi.org/10.1016/j.ejrh.2017.08.003
- 240 Jury, M.R. 2017, Statistics and meteorology of air pollution episodes over the South African Highveld based on satellite-model datasets, *J. Appl. Meteor. Climatol.*, 56, 1583-1594. doi.org/10.1175/JAMC-D-16-0354.1
- 239 Jury, M.R. 2017, Warm spells on the East African plateau and impacts in the White Nile basin, *Theor Appl Climatol*, 129, pages, doi:10.1007/s00704-017-2195-5
- 238 Jury, M.R. 2017, Uganda rainfall variability and prediction, *Theor Appl Climatol*, 128, pages, doi:10.1007/s00704-017-2135-4
- 237 Jury, M.R. 2017, Observed formation of easterly waves over northeast Africa, *Meteorol Atmos Phys*, 129, 1-15, doi:10.1007/s00703-017-0520-2
- 236 Jury, M R, 2017, Spatial gradients in climatic trends across the southeastern Antilles 1980-2014, *Intl J Climatol*, 37, 5181-5191, doi:10.1002/joc.5156