

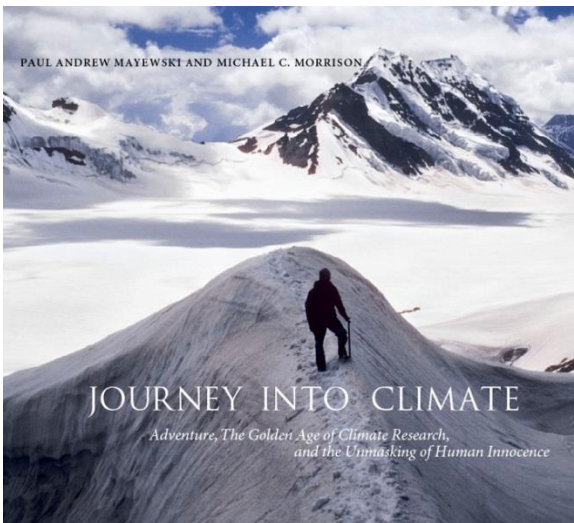


Emera Astronomy Center  
and M. F. Jordan Planetarium

## Journey Into Climate

Thursday, December 1st at 7:00 pm

Today, climate change in the polar regions is having remarkable consequences. Recent Arctic warming, induced by greenhouse gases has led to poleward migration of the jetstream – with extreme weather event consequences. In the Antarctic, stratospheric ozone depletion and greenhouse gas warming have caused drought in Australia, cooling of Southern Ocean currents, and reductions of Antarctic ice shelves. The potential for abrupt climate change, the significance of shifts in atmospheric circulation patterns, and impacts of human activity on the chemistry of the atmosphere – all gleaned from ice cores – have turned out to be essential to predicting the course of a defining reality of the 21<sup>st</sup> century – human induced climate change. Join Dr. Paul Mayeski as he shares how the collection of ice cores from Antarctica, the Arctic, Asia, South America, North America, Australasia, and Europe have helped us understand how the global climate is changing. This program is in partnership with the Maine Science Festival.



Dr. Paul A. Mayewski is Director of the Climate Change Institute and Distinguished Professor in the School of Earth and Climate Sciences, School of Marine Sciences, Business School, and School of Policy and International Affairs at the University of Maine. He has led over 55 expeditions to the remotest reaches of the planet. Paul has over 400 scientific publications, received numerous honors such as Inaugural Medal for Excellence in Antarctic Research, the Explorers Club Lowell Thomas Medal and the International Glaciological Society Seligman Crystal, developed and led major international climate change research programs in Antarctica, Greenland and Asia, released two popular books, appears regularly in media such as CBS 60 Minutes and NOVA. He was highlighted in 2014 Emmy winning film “Years of Living Dangerously”.

Tickets are available online at <http://astro.umaine.edu>, by calling 581-1341, or at the box office.

