

RESUMÉ

Name: Ailie Jane Eyre Gallant **D.O.B:** 27th March, 1982

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Education

Monash University (2000 to present)

Bachelor of Science

- Completed 2003
- Majors in Atmospheric Science and Applied Mathematics

Honours Degree of Bachelor of Science

- Completed 2004
- First Class Honours

Doctor of Philosophy

- Thesis title: "Extreme temperature and rainfall in the Australian region"
- In progress, scheduled for completion in 2007

University of Oklahoma (2002/2003)

Completed one year of study in the School of Meteorology as part of an exchange program between the University of Oklahoma and Monash University

Professional

Professional Societies

2002-2003: Member of the University of Oklahoma Student Chapter of the American Meteorological Society (OUSCAMS)

2003-2005: Member of the American Meteorological Society

2004 - Present: Member of the Monash Weather and Climate Society (MWACS)

- Co-founder and Vice President of MWACS (2004)
- President of MWACS (2005)

2004 - Present: Member of the Australian Meteorological and Oceanographic Society (AMOS)

- General Committee member for the AMOS Melbourne Centre (2005)
- General Committee member for the AMOS Melbourne Centre (2006)

Publications

Gallant, A., Hennessy K.J. and Risbey, J. (*in review*). Trends in rainfall indices for six Australian regions: 1910-2005, *Australian Meteorological Magazine*.

Gallant, A. 2004. Development and Testing of a Climate Extremes Index for Australia. *Proceedings of the 16th Australia New Zealand Climate Forum*, Lorne, Victoria, Australia, November 2004.

Gallant, A. 2006. A comparative assessment of observed changes in Australian droughts. *Proceedings of the 17th Australia New Zealand Climate Forum*, Canberra, Australia, September 2006.

Volunteer work

2001-2002: *Environment Defenders Office (EDO), North Melbourne, Victoria, Australia.*

The EDO is a community based law firm providing legal representation and advice. They take an active role in environmental law reform and policy formulation and offer a significant education program designed to facilitate public participation in environmental decision making. Volunteer work involved research for community based environmental issues as well as liaising with clients on these issues.

2003: *Thunderstorm Electrification and Lightning Experiment (TELEX), National Severe Storms Laboratory, Norman Oklahoma.*

Student volunteers were required to work with scientists to release instrument carrying balloons during thunderstorms over the 2 week experiment.

2005: *Monash University Climate Change lecture series.*

Developed and organised a series of lectures at Monash University aimed to educate about the science of climate change.

2006: *Tropical Warm Pool International Cloud Experiment (TWP-ICE), Darwin, Australia.*

Student volunteers were posted at remote outposts to conduct continuous intensive observations during the course of the 4 week experiment.

Travel Experiences

Professional

2002 – 2003: Travel to the United States of America for one year of study at the University of Oklahoma

2004: Travel to the United States of America for collaboration on Ph.D. thesis

2004 – 2006: Domestic travel to various conferences within Australia

Recreational (International)

2000: Two months of travel through Mexico after completion of high school studies

2002: Three weeks of travel through Canada

2002-2003: Travel throughout the United States of America while on student exchange

2003: Four weeks of travel through Europe

2004: Travel within the United States of America, the United Kingdom and Germany

Recreational (Domestic)

I have travelled widely across Australia all my life, extensively participating in bushwalking and cross-country skiing through the Australian Alps and regional Victoria.

Interests

I have a long-running interest in our natural environment and a wide range of social issues. I have been actively involved in a number of programs throughout my secondary and tertiary education that have involved me working with members of organisations and the local community on a number of projects. These included Land-for-Wildlife during high school and projects through the Environment Defenders Office during University.

I have always had a very strong penchant for environmental issues, most specifically human induced climate change, of which now I have decided to base my career. I have always had a passion for the weather and nature and in my spare time, I enjoy such activities as bushwalking, cross-country skiing, travelling, storm-chasing and photography.