

AUSTRALASIAN SCIENCE

CONTENIDO

VOLUMEN 31 No. 3, APRIL, 2010

FEATURES

- 14 **Eruptions, Climate Change and Mass Extinctions.**
Large volcanic eruptions created climate change events responsible for mass extinctions.
Fred Jourdan.
- 18 **Rainwater Fever.**
Will the return of rainwater tanks assist the spread of the dengue mosquito in Australia?
Michael Kearney.
- 21 **Acupuncture: A Western Solution to an Ancient Eastern Mystery.**
A new theory explaining how acupuncture works invokes a new division of the nervous system, with potential future applications extending well beyond pain management.
Morry Silberstein.
- 24 **Microbial Terroirism.**
Genetic analysis of yeast has revealed that local species contribute enormously to the regional characteristics of wine.
Matthew Goddard.
- 28 **Cancer Therapy Hits Its Target.**
Gene-silencing therapies are now a step closer to being used for cancer treatment with the help of a novel delivery system.
Sherry Wu.
- 31 **Gender Genes.**
Genes may determine our biological sex, but some people don't identify with their gender. New research has identified genetic associations responsible for gender identity disorders.
Matthew Cooper.
- 34 **Does the Sun Explain Warming?.**
Some climate change skeptics have argued that natural variations in the Sun's energy output are responsible for climatic variations on Earth, but how strong is the evidence for this?.

Barrie Pittock.

36 **Bureaucratic Soup for Science Promotion.**

A long-awaited review of science communication is inching towards a “national strategy” without any commitment from the government to support fresh initiatives.

Peter Pockley.

conSCIENCE

38 **Bringing Evolution into Conservation.**

To protect biodiversity in a rapidly changing environment we need to encourage selection and evolution in our native plants and animals.

Ary Hoffmann.

REGULAR COLUMNS

3 **Simon Says**

The International Panel on Climate Change has bungled its response to questioning of the rigour of its 2007 report.

4 **Browse**

A round-up of the latest science news from our shores.

39 **Cool Careers**

Danielle Clode finds that the research skills she developed in animal behavior studies have been invaluable in her career as a science writer.

40 **reminiSCIENCE.**

Dr. John O’Sullivan’s boldly entered the commercial world before returning to basic research and designing a revolutionary receiver for the world’s largest radiotelescope.

42 **Out of this World.**

Dave Reneke brings news from the space and astronomy communities around the world.

43 **Australasian Sky.**

Your map of the night sky this month.

44 **The Naked Skeptic**

Mary Mackillop made a valuable contribution to society, but the attribution of two miracles from beyond the grave devalues science.

45 **Publish or Perish.**

Your guide to new science books published this month.

46

Eco Logic

Is conservation too conservative? And is it time to try something different?

47

Low Tech.

It makes more sense to manage demand for water than to increase supply through desalination.

48

Quandary.

It would cost \$30 million to bring a Neanderthal back to life, but what are the ethical issues?