AUSTRALASIAN SCIENCE

CONTENIDO

VOLUMEN 32 No. 7, SEPTEMBER, 2011

FEATURES

Bloody Battle.

Soldiers suffering catastrophic blood loss often die on the battlefield before they can be evacuated, but emerging science is targeting new ways to stabilize the heart and circulation to buy time and save lives. *Geoffrey P. Dobson.*

19 Something Kind of Awesome.

This month Australia and New Zealand join forces to submit their bid to host one of the biggest science projects ever – the Square Kilometre Array radio telescope.

Brain Boyle.

22 !♥ Lizard Venom.

Toxins found in lizard venom can reduce blood pressure, opening the possibility of developing them as drugs to treat heart disease. *Stephen Luntz*.

Vicars & Vagrants.

DNA studies of New Zealand's birds are causing rethink of the importance of colonization events in the evolution of its endemic species *Steve Trewick*.

28 Ageing Young.

New evidence suggests that age-related diseases can begin to develop much earlier than we expect, making prevention more important than cure. *Dannon Stigers, Samuel Fraser & Christopher Easton*.

The Perfect Pill?

A protein found in sunflower seeds could be the key to developing plants as pharmaceutical factories. *Joshua Mylne*.

Vitamin Danger for Cancer Patients.

Cancer patients need to think twice before adding vitamins to their treatment following a series of recent clinical studies. *Ray Lowenthal*.

The Olympic Dam Story.

The discovery of the Olympic Dam mine is a story of innovative geologists who defied conventional thinking, and the corporate leaders who maintained faith in them.

David Upton.

conSCIENCE

4 A New Approach to Research Evaluation.

The system used to assess the quality of Australian research needs refinement to recognize the value of applied research. *Vaughan Beck.*

REGULAR COLUMNS

3 Simon Says

Greenpeace's attack on trails of genetically modified crops indicate that this green warrior tribe is a vulnerable species.

5 Browse

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

Expert Opinion.

A review of Australian stem cell legislation has recommended that researchers should be allowed to use human embryos to create stem cells but only in licensed research projects.

39 Cool Careers.

Rachel Lowry has initiated campaigns that have helped gorilla conservation and reduced the use of palm oil in food.

40 Publish or Perish.

Your guide to new science books publishes this month.

41 Directions.

Australia should look closely at rewarding emissions reductions rather than just taxing emissions production.

42 Australian Sky.

Your map of the night sky this month.

43 Out of this World.

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

44 The Naked Skeptic.

The media are favoring economic and ideological interests over the science in debates on climate change and genetic modification.

45 Eureka!

Social media may be leading to more altruistic behavior among its users.

46 Eco Logic.

It's not a question of focusing on landscape or species, because they're inseparable. You can't conserve the landscape without accounting for what's happening at the species level.

47 Lowe Tech.

Is Victoria's alpine grazing trial any different to Japan's whaling "research"?

48 Quandary.

Tabloid journalism gives bioethical issues the social relevance that academic debates lack.