

SCINEMA FESTIVAL OF SCIENCE FILM NATIONAL SCIENCE WEEK AUGUST 2004

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SCINEMA 04



FESTIVAL OF SCIENCE FILM | ADELAIDE ALBANY ALICE SPRINGS BATHURST BENDIGO BURNIE BOULDER BRISBANE
BUNDABERG CANBERRA DARWIN DEVONPORT GERALDTON HOBART KALGOORLIE LAUNCESTON MACKAY MELBOURNE NARRABRI
PARKES PERTH ROCKHAMPTON SHEPPARTON SYDNEY TOOWOOMBA TOWNSVILLE WOLLONGONG REGIONAL LOCATIONS ACROSS
QUEENSLAND AND SOUTH AUSTRALIA

www.csiro.au/scinema

VENUES | DATES | SESSIONS

ACT	
CANBERRA	National Museum of Australia
Sat 7 Aug 1.00pm	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally Wild Y Backyard Science
Sun 8 Aug 1.00pm	The Little Aerialists of Ainslie Hornets from Hell The Secret Life of Butterflies
Mon 9 Aug 7.00pm	Turn to the Wind Life on the Edge Down Under The Deamon Fault
Tues 10 Aug 7.00pm	Spin Mama/M.A.M.A
Wed 11 Aug 7.00pm	Indigenous Australia: We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish
Thur 12 Aug 7.00pm	Deepest Desires Designer Vaginas
Fri 13 Aug 7.00pm	Special guest Peter McLeish presents Lightning's Angels The 100 Year Hunt for the Red Sprite
Fri 13 Aug 7.00pm	Academy Nightclub Canberra - SCINEMA Best of Screening Science Beats
Thur 19 Aug 1.00pm	Molecular Visualisations of DNA The Path of Totality The Terrible Lizards of Oz
Fri 20 Aug 1.00pm	A Nose for Danger Motherland: A Genetic Journey
CANBERRA	CSIRO Discovery Centre, Clunies Ross St
Mon 16 Aug 2.00pm	Judging Screenings Student Film Competition: Don't Be A Drip Save Every Drop Frankenstein Caden Walla Chameliorate To Bee or Not To Bee? Beaurmaris Zoo Tasmania and the Last Thylacine Show a Little Respect: Caring for a Reserve
Tues 17 Aug 2.00pm	Microbe Invasion Transplanting Memories
Thurs 18 Aug 2.00pm	Long Long Walkabout Hacktivists
Fri 19 Aug 2.00pm	Judging Screenings Student Film Competition: Don't Be A Drip Save Every Drop Frankenstein Caden Walla Chameliorate To Bee or Not To Bee? Beaurmaris Zoo Tasmania and the Last Thylacine Show a Little Respect: Caring for a Reserve
NEW SOUTH WALES	
ALBURY	Henry Nowik Theatre Charles Sturt University
Thurs 19 Aug 6.00pm	Why Is It So? Terrible Lizards of Oz Deepest Desires
BATHURST	Building S15, Room 205, Charles Sturt University
Thurs 19 Aug 6.00pm	Why Is It So? Terrible Lizards of Oz Deepest Desires
DUBBO	Interactive Learning Centre, Charles Sturt University
Thurs 19 Aug 6.00pm	Why Is It So? Terrible Lizards of Oz Deepest Desires
NARRABRI	Australia Telescope National Facility, Narrabri
	Check website for session details
PARKES	Covenry Room at Parkes Council Chambers, Bogan St Parkes
Tues 7 Sept 4.30pm	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally Wild Y Backyard Science
Tues 7 Sept 7.30pm	The Little Aerialists of Ainslie Hornets from Hell The Secret Life of Butterflies
Thurs 9 Sept 7.30pm	Indigenous Australia: We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish
Sat 11 Sept 12.30pm	Life on the Edge Down Under The Deamon Fault Microbe Invasion Transplanting Memories
Sun 12 Sept 12.30pm	Turn to the Wind Mama/M.A.M.A A Nose for Danger Motherland: A Genetic Journey
Mon 13 Sept 7.30pm	Molecular Visualisations of DNA The Path of Totality The Terrible Lizards of Oz
SYDNEY	Powerhouse Museum, Ultimo, NSW
	SCINEMA will screen at the Powerhouse Museum later this year - Check the website for session details
WAGGA WAGGA	Swan Theatre, Charles Sturt University
Thurs 19 Aug 6.00pm	Why Is It So? Terrible Lizards of Oz Deepest Desires
WOLLONGONG	Science Centre, FairyMeadow
Sat 14 Aug 10.15am	Thanks for all the Fish
12.00pm	Backyard Science Curiosity Show
1.00pm	Why Is It So?
3.00pm	Special guest Peter McLeish presents Lightning's Angels The 100 Year Hunt for the Red Sprite
Sun 15 Aug 10.15am	Backyard Science Totally Wild
12.00pm	Terrible Lizards of Oz
1.00pm	Secret Life of Butterflies Y
3.00pm	Microbe Invasion
QUEENSLAND	
BRISBANE	Brainwave Festival
	Check website for venues and session details
BUNDABERG	Central Queensland University Theatre, Union Building
	SCINEMA 'Best Of' program
MACKAY	Central Queensland University, Cook Lecture Theatre
Sat 21 Aug 2.00 pm	We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish
Sun 22 Aug 2.00pm	Molecular Visualisations of DNA The 100 Year Hunt for the Red Sprite
	The Terrible Lizards of Oz
	Rooms 13/14, Building, CQU Mackay Campus:
Sat 21 Aug 2.00pm	The Little Aerialists of Ainslie Hornets from Hell The Secret Life of Butterflies
Sun 22 Aug 2.00pm	Microbe Invasion Transplanting Memories
TOOWOOMBA	Alison Dickson Lecture Theatre, University of Southern QLD
Mon 16 6.30pm	Microbe Invasion Transplanting Memories
Thurs 19 6.30pm	Nose for Danger Motherland
TOWNSVILLE	Aitkenvale Library, Aitkenvale
Mon 16 Aug - Fri 20 Aug	Sessions daily at 10.30am & 3.30pm plus Sat 21 Aug at 10.30am
TOWNSVILLE	Knowledge Centre - City Library, The Mall
Mon 16 Aug - Fri 20 Aug	Sessions daily at 10.30am & 3.30pm plus Sat 21 Aug at 10.30am
NORTHERN TERRITORY	
DARWIN	NT Museum & Art Gallery, 19 Conacher St, Bullocky Point, NT
Tues 17 7.00pm	Microbe Invasion Transplanting Memories
Wed 18 7.00pm	The Little Aerialists Hornets from Hell The Secret Life of Butterflies
Thurs 19 7.00pm	Molecular Visualisations of DNA Path of Totality Terrible Lizards of Oz
ALICE SPRINGS	Desert Park Theatre, Larapinta Dr
Sat 14 Aug 6.00pm	Why Is It So? Molecular Visualisations of DNA The Secret Life of Butterflies

SOUTH AUSTRALIA	
ADELAIDE	Flinders University Theatre
	Check website for venues and session details
TASMANIA	
BURNIE	University of Tasmania, Cradle Coast campus
Mon 16 Aug 9.00am	Deamon Fault 10am -Terrible Lizards of Oz 11am -Microbe Invasion
12noon	Transplanting Memories 1pm -Deepest Desires 2pm -Designer Vaginas 3pm -
	Motherland
Tues 17 Aug 1.00pm	Beaurmaris Zoo/Little Aerialists/Thanks for all the Fish 2pm -Secret Life of Butterflies
	3pm -Long, Long Walkabout 4pm -Nganghkari Way/ Big Girls
Wed 18 Aug 9.00am	Hornets from Hell 10am -mama/m.a.m.a 12noon -Hacktivists 1pm - Life on the
	Edge 2pm -Why is it so Backyard Science 3pm -Long Long Walkabout 4pm
	Nganghkari Way/ Big Girls
Thurs 19 Aug 9.00am	Secret Life of Butterflies 10am -Life on the Edge 11am -Microbe Invasion 12noon
	-Deepest Desires 1pm -Designer Vaginas 2pm -Path of Totality 3pm -Nose for
	Danger 4pm -Hacktivists
Friday 20 Aug 9.00am	Nose for Danger 10am -Beaurmaris Zoo/Little Aerialists/Thanks for all the Fish
	11am -Terrible Lizards of Oz 12noon -Transplanting Memories 1pm -
	mama/m.a.m.a 3pm -Motherland
DEVONPORT	Imaginarium Science Centre, Devonport
Sat 14 & Sun 15 Aug 10.00am	DNA Space and Dinosaurs: Molecular visualisations of DNA Path of Totality
	Terrible Lizards of Oz
	Noon
	Movement and Marine Life: Turn to the Wind Spin Thanks for all the Fish Life on
	the Edge Down Under
	2.00pm
	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally
	Wild Y Backyard Science
Fri 20 Aug 7.30pm	Special guest Peter McLeish presents Lightning's Angels The 100 Year Hunt for the Red Sprite
Sat 21 & Sun 22 Aug 10.00am	Microbes and Memories: Microbe Invasion Transplanting Memories
	Noon
	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally
	Wild Y Backyard Science
	2.00pm
	Schools Program: Don't be a Drip Beaurmaris Zoo Tasmania and the Last Thylacine
	Little Aerialists of Ainslie Red Sprites
HOBART	Physics Lecture Theatre 1, University of Tasmania
Thu 19 Aug 3.10pm	Special guest Peter McLeish presents Lightning's Angels The 100 Year Hunt for the Red Sprite
HOBART	Centenary Lecture Theatre, University of Tasmania
Thu 19 Aug 7.30pm	Special guest Peter McLeish presents Lightning's Angels The 100 Year Hunt for the Red Sprite
Sat 21 Aug 6.30pm	DNA Space and Dinosaurs: Molecular visualisations of DNA Path of Totality Terrible
	Lizards of Oz
	9.00pm
	Sex and Science: Deepest Desires Designer Vaginas
Sun 22 Aug 7.30pm	Microbes and Memories: Microbe Invasion Transplanting Memories
HOBART	University Centre Lecture Theatre, University of Tasmania
Tues 24 Aug 10.30am	Schools Program: Don't be a Drip Beaurmaris Zoo Tasmania and the Last Thylacine
Noon, 1.15pm	Little Aerialists of Ainslie Red Sprites
LAUNCESTON	Raymond Ferrall Centre Lecture Theatre, University of Tasmania
Sat 14 Aug 6.30pm	DNA Space and Dinosaurs: Molecular visualisations of DNA Path of Totality Terrible
	Lizards of Oz
	9.00pm
	Sex and Science: Deepest Desires Designer Vaginas
Sun 15 Aug 6.30pm	Movement and Marine Life: Turn to the Wind Spin Thanks for all the Fish Life on
	the Edge Down Under
Mon 16 Aug 6.30pm	Microbes and Memories: Microbe Invasion Transplanting Memories
Tues 17 Aug 9.30am	Schools Program: Don't be a Drip Beaurmaris Zoo Tasmania and the Last Thylacine
11.00am, 1.00pm	Little Aerialists of Ainslie Red Sprites
VICTORIA	
BENDIGO	Science Technology Centre, Bendigo
Sat 14 - Fri 20 Aug 10.00am	'Kids Science on the box' Hornets from Hell Secret life of Butterflies
Fri 20 Aug 7.00pm	'Indigenous Australia' Nose for Danger Motherland
	Molecular visualisations of DNA Path of Totality Terrible Lizards of Oz
SHEPPARTON	Science Technology Centre, Shepparton
Wed 4 7.00pm	'Kid's Science ON the Box'
Wed 11 7.00pm	The Little Aerialists Hornets from Hell The Secret Life of Butterflies
Mon 16 7.00pm	Turn to the Wind Life on the Edge Down Under The Deamon Fault

Wed 18 7.00pm	Student short film judging screenings (18+): Frankenstein Caden Walla Chameliorate To Bee or Not To Bee? Beaurmaris Zoo Tasmania and the Last Thylacine Show a Little Respect: Caring for a Reserve
Thurs 17 7.00pm	'Indigenous Australia' (We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish)
MELBOURNE	ACMI, Federation Square, Flinders St entrance, Melbourne City
Wed 11 Aug 7.30pm	Why Is It So Spin Deepest Desires Special guest Peter McLeish presents his short film Lightning's Angels
MELBOURNE	Royal Society, 9 Victoria St. (cnr Exhibitions St) Melbourne
Sat 21 Aug: 1.00pm	Why Is It So Curiosity Show 2pm Earthwatch Totally Wild 3pm Hornets from Hell 4pm Secret Life of Butterflies 5pm We of Little Voice Big Girls Don't Cry 6pm Microbe Invasion 7pm Transplanting Memories 8pm The Path of Totality
Sun 22 Aug 1.00pm	Y Backyard Science 2pm Terrible lizards of Oz 3pm Nganghkari Way Thanks for all the Fish 4pm MAMA 6pm Motherland: a genetic journey 7.30pm A Nose for Danger
WESTERN AUSTRALIA	
ALBANY	Western Australian Museum, Residency Road, Albany
Fri 6 Aug 10.00am	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally Wild Y Backyard Science
	2.00pm
	The Little Aerialists Hornets from Hell The Secret Life of Butterflies
Sat 7 Aug 10.00am	Indigenous Australia: We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish
	2.00pm
	Life on the Edge Down Under The Deamon Fault
Sun 8 Aug 10.00am	Microbe Invasion Transplanting Memories
	2.00pm
	Turn to the Wind Mama/M.A.M.A
Mon 9 Aug 10.00am	Nose for Danger Motherland
	2.00pm
	Molecular Visualisations of DNA The Path of Totality The Terrible Lizards of Oz
FREMANTLE	Maritime Museum, Fremantle
	Check website for session details
GERALDTON	Western Australian Museum, Museum Place, Batavia Coast Marina, Geraldton
Mon 16 Aug 10.30am	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally Wild Y Backyard Science
	2.30pm
	The Little Aerialists Hornets from Hell The Secret Life of Butterflies
Tues 17 Aug 10.30am	Indigenous Australia: We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish
	2.30pm
	Life on the Edge Down Under The Deamon Fault
Wed 18 Aug 10.30am	Microbe Invasion Transplanting Memories
	2.30pm
	Turn to the Wind Mama/M.A.M.A
Thurs 19 Aug 10.30am	Nose for Danger Motherland
	2.30pm
	Molecular Visualisations of DNA The Path of Totality The Terrible Lizards of Oz
KALGOORLIE-BOULDER	Western Australian Museum, 17 Hannan Street, Kalgoorlie
Mon 9/16 Aug 10.00am	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally Wild Y Backyard Science
	2.00pm
	The Little Aerialists Hornets from Hell The Secret Life of Butterflies
Tues 10/17 Aug 10.00am	Indigenous Australia: We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish
	2.00pm
	Life on the Edge Down Under The Deamon Fault
Wed 11/18 Aug 10.00am	Microbe Invasion Transplanting Memories
	2.00pm
	Turn to the Wind Mama/M.A.M.A
Thurs 12/19 Aug 10.00am	Nose for Danger Motherland
	2.00pm
	Molecular Visualisations of DNA The Path of Totality The Terrible Lizards of Oz
PERTH	Western Australian Museum, Perth Cultural Centre, James Street, Perth
Mon 16 Aug 10.30am	'Kids Science on the Box': Why Is It So? The Curiosity Show Earthwatch Totally Wild Y Backyard Science
	2.30pm
	The Little Aerialists Hornets from Hell The Secret Life of Butterflies
Tues 17 Aug 10.30am	Indigenous Australia: We of Little Voice Big Girls Don't Cry Nganghkari Way Thanks for all the Fish
	2.30pm
	Life on the Edge Down Under The Deamon Fault
Wed 18 Aug 10.30am	Microbe Invasion Transplanting Memories
	2.30pm
	Turn to the Wind Mama/M.A.M.A
Thurs 19 Aug 10.30am	Nose for Danger Motherland
	2.30pm
	Molecular Visualisations of DNA The Path of Totality The Terrible Lizards of Oz

HOUSEKEEPING | ACKNOWLEDGEMENTS

Admission policy

Admission is free of charge. Some sessions will contain adult images or concepts. Where relevant, please check with the venue or visit our website for session details at www.csiro.au/scinema. Individual venues reserve the right to restrict entry to any person(s) they choose, according to their own policies.

Film ratings

Parents are advised that some programs may contain adult images or concepts. Where relevant, we have listed the film rating in the film notes. The Commonwealth Office of Film and Literature Classification has granted our festival an exemption to allow unclassified films to be screened to the general public. Some sessions will have restricted entry to persons over 18 years, please check with the venue or visit our website for session details at www.csiro.au/scinema.

Bookings

Each venue will follow its own bookings policy. In Canberra, no reservation of seats is possible at the NMA SAS Visions Theatre. Seating is first-come first-served.

Voting

Voting slips will be handed out at each SCINEMA session and viewers will be asked to rate the films that they have seen. These votes will be compiled to award a Best Film for the SCINEMA season. Voting sessions for the Student Short Film Competition will be held in Canberra, Hobart and Perth, and audience members in these cities will vote for the Best Film in 3 categories: Primary, Secondary, and Tertiary. Winners will be announced on our website in September 2004.

Comments

We would like to hear from you about any aspect of our festival. Please call CSIRO on 02 6246 5850 or email us at scinema@csiro.au.

Disclaimer

All information on this program is valid at time of publication. Please check the SCINEMA website at <http://www.csiro.au/scinema> for possible time changes.

Our festival would not be possible without the kind support of the following people - Cris Kennedy, Rebecca Scott, Donna Staunton, Geoff Burchfield & Paul Dobson @ CSIRO Corporate, Clare Peddie, Leanne Dempsey, Lynne Griffiths & Heinz Buettikoffler @ CSIRO Land and Water; Daina Harvey, Damian Harris, Jodie Cunningham at National Museum of Australia; Col & Anton at Swell Design Group; Ben at Tasmanian Kaledoscope Company; Ruth Carr & Graham Walker at Australian Science Festival; Michael Sergi for the advice; Amy Wooding @ OFLC; Chris Fraser and the team @

Academy nightclub in Canberra; our on-the-ground organisers - Sarah Bugg in WA; Candace Lazarus & Karen Eva-Stirk in NT; Ross Forbes, Jo Harris & Rona Sakko in SA; Jeannie-Marie LeRoil & Rachel Hogge in Tassie; Helen Gardiner, Danny Lythgo & Sally Buttle in Vic; Desiree Kirby, Vivian Cliff, Lesley Warner, Melissa Buckley, Heidi Streiner & the Brainwaves Festival people in QLD; John Smith & Stacey Fish in NSW; all our filmmakers and distributors; Peter McLeish for giving two weeks of his time to teach us about Red Sprites; Foreign Affairs Canada for Peter's travel grant, and the Canadian High Commission for their assistance; and especially Lara Lloyd & Pauline Brown @ DEST and to the Departments of Education, Science & Training and Industry, Tourism & Resources for their very generous grant. And of course, everyone who I have forgotten in the rush to get this to the printers.

Chris Kennedy - Festival Director

SCINEMA 2004 is dedicated to the memory of Andrew Thomas.

FILM INFORMATION

Big Girls Don't Cry (Australia, 26mins)

Director, Writer, Co-Producer: Darrin Ballangarry
Producer: Priscilla Collins
Distributor: Ronin Films

A heart-rending insight into the disease of end-stage renal failure in remote and rural indigenous communities. We meet three women who live with the disease and speak with the medical community about its prevalence and effect.

Deepest Desires (UK, 48mins)

Director, Writer: Natasha Bondy
Producer: Jessica Cecil
Hosted by Robert Winston
Distributor: BBC Worldwide Ltd

Two actors were sent on to a London University campus with hidden cameras to ask members of the opposite sex one simple question: "Will you sleep with me?" The results are different for each sex, and the differences have an evolutionary basis.

Daemon Fault (Australia, 52mins)

Director, Producer: Elizabeth Tadic
Co-Producer: Selene Alcock
Narrator: Jack Thompson
Distributor: Ronin Films

Miners, environmentalists, police, landowners and Aboriginal people come head to head in a deadly serious yet crazy battle over a gold mine.



Designer Vaginas (UK, 50mins)

Director, Producer: Nicola Black
Distributor: Blackwatch Productions

Called 'the new nose job', this film looks at the growing industry of plastic surgery. Welcome to the world of vaginal surgery, a little known practice that many people still consider taboo.

Hacktivists (Australia, 52mins)

Director: Ian Walker
Producer: Chris Hilton, Lauren Boucat, Peter Day
Distributor: Ronin Films

Computer experts are using the internet and cyberspace as very effective new means of protest against global capitalism and the power of large transnational companies.



Hornets from Hell (Canada, 50mins)

Producer: Jeff Morales
Distributor: National Geographic Natural History Unit

The life cycle of Vespa mandarinia, the Japanese giant hornet, begins innocently enough. By mid-summer, though, there are so many larvae to feed that the quest for food takes on a new urgency - and the predatory nature of the giant hornet emerges in full force.

Life on the Edge Down Under (Australia, 48mins)

Director, Producer: Clay Bryce
Distributor: Ronin Films

Dampier Archipelago, WA, a busy port servicing gas refineries provides scientists from the Western Australian Museum with the unique opportunity to observe and document the effects of industry on the surrounding natural habitats and marine wildlife.

Little Aerialists of Ainslie (Australia, 12mins)

Director, Producer, Writer, Editor, Cinematographer: Matthew Higgins

Sugar gliders live in bushland almost in the centre of Australia's national capital, but people hardly know they're there. This film traces a night in the life of these fascinating flying marsupials, telling their story within the wider context of Canberra.

Long, Long Walkabout (Australia, 55mins)

Producer: ABC Documentary Unit
Distributor: ABC TV

The epic saga of the Australian Aborigines, from 50,000 years ago until now - an archival gem produced by the ABC Documentary Unit in the early 1960s and featuring Professor N.W.G. MacIntosh, then Professor of Anatomy at University of Sydney.

Mama/M.A.M.A. (USA, 100mins)

Director, Writer: Nonny de la Pena
Producers: Nonny de la Pena, Amy Sommer
Distributor: Pissant Productions

Munchausen Syndrome by Proxy is a bizarre form of supposed child abuse in which a mother pretends her child is ill - or actually makes her child sick - in order to get the sympathy and praise of the medical community.



Microbe Invasion (NZ, 50mins)

Director: David Green
Producer, Writer: Andrew Waterworth
Distributor: Explore International / NHNZ

Just like Earth itself, our body is a living planet, a network of ecosystems where bacteria are the dominant life form. The womb is the only environment where we are free of bacteria.

Molecular Visualisations of DNA (Australia, 4mins)

Director: Max Whitby
Producer: Drew Berry

Molecular visualisations of DNA nuclear wrapping and DNA replication, created for the 50th anniversary (2003) of the discovery of the double helix. The dynamics and molecular shapes were based on X-ray crystallographic models and other published scientific data sets.

Motherland: A Genetic Journey (UK, 90mins)

Director, Producer: Archie Baron
Writer: Tabitha Jackson
Distributor: Takeaway Media

Cut off from their ancestry by the three-hundred-year-long slave trade which uprooted 12 million people from Africa, three people are given the opportunity, through DNA searches, to reconnect with their roots. For each person, the reconnection is emotional, but weighted also with unanticipated cultural differences.

Ngangkari Way (Australia, 26mins)

Director, Producer, Writer: Erica Glynn
Distributor: Ronin Films

The role of NGANGKARI - Traditional Healer - still plays a vital role in the health and well-being of Anangu people in Central Australia. We follow Andy Tjilari, Rupert Peters and Jimmy Baker as they show us how traditional healing is used in contemporary Anangu life.

Nose for Danger (Belgium, 40mins)

Director: Guido Martens
Producer: Chris Taes/VRT-TV
Distributor: Vlaamse Radio En Televisieomroep

A new weapon is being developed in the battle against the millions of unexploded landmines that kill innocent children and adults around the world - the African pouched rat. Cheap, intelligent and, crucially, lightweight, rats are being trained in Tanzania to sniff out landmines and explosives.

Path of Totality (Australia, 57mins)

Director, Producer, Writer, Editor: Ashley Starkey
Distributor: Ashley Starkey

The 2002 total solar eclipse passes across the Australian outback. Filmmaker Ashley Starkey interviews the variety of characters from astronomers to astrologers, from government officials warning against the use of eclipse glasses to those who couldn't get enough of them, from world travelling eclipse chasers to the completely uninitiated.

Secret Life of Butterflies (Canada, 50mins)

Director: Penny McCann, David McCallum
Producer: Hoda Elatawi, Ed Kucerak
Distributor: Kublaocom Pictures Inc

Exploring new realms of biology and ecology, which have been, until now, largely undiscovered, this film also examines our cultural fascination with butterflies and the hold they have on our imagination.

Spin (USA, 15mins)

Director, Writer: David Marmor
Producer: Evan Finn
Cast: Jesse Burch, Mary Schmidtberger, Robert Pierce, Manuel Bermudez
Distributor: David Marmor

A scientist becomes obsessed with the physics of the accident that nearly killed him. The struggle of a person who is unable to face his own fears and retreats from his life into a world of abstractions in which he feels safe.



Thanks for all the Fish (Australia, 26mins)

Director, Producer, Writer: John Lambert
Distributor: Ronin Films

The Aboriginal people of Stradbroke Island would call their local dolphins by striking the surface of the water in a coded rhythm. The dolphins recognised the signal and drove the shoals of fish against the shore and into the waiting nets. A portion of the catch was always given back to the dolphins to show thanks and respect.

Terrible Lizards of Oz (Australia, 45mins)

Director, Writer: Ruth Berry
Producer: Ruth Berry, Mark Chapman
Distributor: CBC International/ Big Island Pictures

Introducing the terrible lizards of Oz - creatures from Australia's prehistoric past that are re-writing history. Strange dinosaurs, marine reptiles that lived in icy seas and archaic mammals. CGI animation brings these dinosaurs to life.

Transplanting Memories (NZ, 50mins)

Writer, Producer: Glenn Krawczyk
Distributor: Explore International / NHNZ

A powerful human story investigating amazing cases of people who have inherited personal characteristics and memories from their organ donor immediately after transplant surgery. It challenges us to reconsider our assumptions about where our memories are stored.

Turn to the Wind (Canada, 6mins)

Director, Writer, Camera: Lea Nakonechny
Distributor: Mantle Media

Wind turbines as tall as a 30-story building tower over the fields around Gull Lake, Saskatchewan. These enormous structures seem perfectly adapted to the immensity that surrounds them.

We of Little Voice (Australia, 26mins)

Director: Peter Hodgson
Producer: Heather Croall
Distributor: Ronin Films

For the first time in half a century, Aboriginal elders recount their first-hand experience of nuclear testing on their lands and their subsequent health issues.

SCIENCE BEATS Dance Party

Featuring Archie 1 Friday August 13 (logo) Academy Nightclub, Canberra

An Australian Science Festival event, featuring science-inspired visual art created for the night by VJ Jim Medcraft. Special SCINEMA screenings from 8pm. Free entry before 10pm. \$10 after

SCINEMA 2004 SPECIAL GUEST

Canadian multi-media artist **Peter McLeish** visits our shores as SCINEMA's special guest (courtesy of the Canadian Government, & Australia's Departments of Education, Science & Training and Industry, Tourism & Resources). With an interest in expressing science through art, Peter was working on an installation The Glory Project (a Glory is a circular rainbow formed on top of clouds) for the Planetarium de Montreal when he heard about Red Sprites. His research and subsequent art led him to work in collaboration with the ill-fated crew of the Columbia in 2003.

Peter has presented on Sprites at the 3rd UK Space Art Forum, and the American Museum of Natural History, as well as in Frankfurt, Budapest, Oxford and the Czech Republic, and we are excited he will be sharing his fascinating art and research with our audiences in Melbourne, Canberra, Adelaide, Wollongong and Tasmania.

YOU CAN SEE PETER AT THE FOLLOWING SESSIONS:

Wed 11 Aug	7.30pm	ACMI, Federation Square, Melbourne
Fri 13 Aug	1.00pm	National Museum of Australia, Canberra
Sat 14 Aug	1.00pm	Science Centre, Wollongong
Tues 17 Aug	TBC	Flinders University, Adelaide
Thu 19 Aug	7.30pm	Uni of Tasmania Hobart
Fri 20 Aug	7.30pm	Imaginarium Science Centre Devonport

Lightning's Angels (Canada, 6mins)

Director, Producer, Writer: Peter McLeish

Red sprites are upper optical phenomena associated with thunderstorms that have been only documented using low level television. The first images of a sprite were taken in 1989 and from 1990 to 1994 the space shuttle obtained twenty more images. The Scottish physicist C.T.R Wilson predicted the existence of brief flashes of light high above large thunderstorms in 1925. This theory predicted that electric fields can cause ionization at great heights and could therefore give rise to discharges between clouds and the upper atmosphere. SCINEMA special guest, Canadian multi-media artist Peter McLeish introduces these phenomena to our audiences.

100 YEAR HUNT FOR THE RED SPRITE (USA, 50mins)

Director, Producer, Writer: Walter A Lyons

Puzzled observers have reported sightings of brief, red flashes high in the sky since at least 1886, but without producing evidence. Not until July 1989, when the late aural physics expert Prof. John Winckler and his students were testing a low-light camera was the phenomena captured. But what to call these creatures? Rocket lightning? Cloud-to-spacelighting? Upward lightning? The deliberately fanciful name "sprite" was chosen.

NATIONAL STUDENT FILM COMPETITION

From across the country comes a selection of films that highlight the diversity of meaning in the term 'science film'. Student films from Primary, Secondary and Tertiary institutions around Australia will be judged at our screenings with winners announced in September on the SCINEMA website www.csiro.au/scinema where you can also see entries in our multi-media category.

Beaumaris Zoo Tasmania and the Last Thylacine (Tertiary, 9.5mins)

Director, Producer, Editor, Cinematographer: Will Nuttall
Cast: Narrated by Rowan Dix

The Beaumaris Zoo on the Queens Domain, Hobart is the site where the last Tasmanian tiger (Thylacinus cynocephalus) died in captivity, a fact which is a reflection on the times and on the nature of zoo keeping early last century.

Caden Walla (Secondary, 8mins)

Director, Editor, Sound, Cinematography: Caden Pearson, Tilda Ramsay, Mel Harling
Producer & Writer: Caden Pearson
Cast: Keiran Pearson, Javanna Pearson

Told in the traditional Aboriginal language of Hopevale, 'Gugu Yimithirr', this story is for the children in the Hopevale community.

Chameliorate (Secondary, 4mins)

Director, Producer, Writer, Editor, Sound, Cinematography: James Baker, Sam Matthews, Denley Bihari, Mike Henry (with Simon Mitchell and David Tang)
Cast: James Baker, Sam Matthews, Denley Bihari, Mike Henry

The metaphorical story of four characters who are consumed by the colour and ambience of music, one by one escaping their empty lives.

Don't be a Drip, Save Every Drop (Primary, 3mins)

Director: Isabel Mansfield
Producer, Writer, Editor, Sound: Year 5 class, St Hilda's School
Cinematographer: Liang-Zi Carr
Cast: Liang-Zi Carr, Nadia Jones, Rebecca Shillingford, Rachel Hoban, Elizabeth Bronsan, Isabel Mansfield, Sarah Valmadre

A group of young girls learn the value of conserving our most valuable resource - water.

Frankenstein (Primary, 23mins)

Director, Producer, Sound: Craig Duncan
Writer, Editor: Year 6 class, Firbank Grammar

Dr Frankenstein, a noted and respected doctor, is making his hourly rounds at the local hospital.

Show a Little Respect: Caring for a Reserve (Tertiary, 15mins)

Director, Producer, Writer, Editor: Birut Zemits

A look at a coastal reserve near Darwin and how people relate to this special place.

To Bee or Not To Bee? (Secondary, 4mins)

Director, Producer, Editor, Sound: David Easteal
Cast: Murray Clapham and Michael Drake

Can a boy turn into a bee?

SCINEMA 2004 SPECIAL EVENT KIDS SCIENCE ON THE BOX

Looking back at what got us thinking about the world around us, the influences we each felt growing up are different and individual. Our parents, our families, our teachers. But there are some figures we all have in common, and they came into our lounge rooms of an afternoon, after school, and stayed with us for years, educating and entertaining. SCINEMA salutes these influences on today's and tomorrow's scientists with a retrospective of classic Aussie science television.

Backyard Science

Producer: Richard Campbell
Running time: 15 mins
Distributor: Beyond International

New to ABC Television, Backyard Science is a fun and educational series for children aged 6-12 years. Ripping science out of the laboratory and taking it to the real world, this is science for kids BY kids. Demonstrating easy, practical and cool activities that anyone can do, Backyard Science explains the mysteries of life, the universe and everything - all from the backyard, kitchen, beach, bathroom or garden!

Curiosity Show

Cast: Rob Morrison and Dean Hutton
Running time: 22 mins
Distributor: Banksia Productions, Adelaide

A cult classic in Australia. In the 1970s and 80s, Rob and Dean explained the wonders of science to a whole generation of Aussie kids. They made science, and skivvies, sexy - in fact, they opened the very first SCINEMA in 2000 with a show we called SEXY SKIVVY SCIENCE.

Earthwatch

Running time: 22 mins
Distributor: ABC TV, English language

In the early 1980's, as Australia became increasingly aware of environmental issues, ABC TV produced Earthwatch, targeted at a school-aged audience using young investigators to highlight contemporary science and enviro-policy.

Totally Wild

Producers: Stephen Buckley, Carla de Jong, Rebecca Fawcett, Danielle Lass
Cast: Angela Brown, Cliff Besley, Juli Buchanan, Hayley Chapman, Jasmin Geisel, Craig McMahon, Tim Moore, Jessica Skarratt, Kylie Smith, Stacey Thomson, Jack Yabsley
Running time: 22 mins
Distributor: Network Ten Australia

An award-winning, broadly based environment program aimed at the 8-14 age group, Totally Wild showcases a variety of stories on topics such as the latest action sports, young achievers, Australian native fauna and flora, issues of environmental significance, science, pet care and the latest technology. If it is part of a child's total environment, it's on Totally Wild.

Why is it so?

Running time: 8 mins per episode
Distributor: ABC TV

This ground-breaking TV series with the enigmatic Professor Julius Sumner Miller - ran on the ABC from 1963 to 1986. Professor Miller's infectious enthusiasm for physics delighted, educated and entertained generations of Australians, most of whom have at some point asked each other 'Why is it so?' in the characteristic Julius Sumner Miller voice.

Y

Director: Leo Flynn
Producer: Bob Gillow
Cast: David Lampard, Tara Colegrave, Kirsti Mollica, Taryn Onafaro
Running time: 22 mins
Distributor: Southern Star Endemol

'Y' ran for four years on the Nine Network, spanning 325 episodes, presenting basic science in a fun and educational way. Experiments in the studio are interspersed with magazine-style segments featuring science being applied in children's everyday lives.