

'Putting Science on the Front Page'

Speakers' Biographies

Nick Agar

Nick Agar teaches philosophy at Victoria University of Wellington.

Chris Arcus

Chris Arcus is a senior advisor in science and environmental education at the Ministry of Education. In this role, Chris has responsibility for enhancing the achievement of school students in science and environmental education and is also managing the redevelopment of the New Zealand Science Curriculum. Before taking up his role at the Ministry, Chris was a senior lecturer in science education at the Wellington College of Education and before that taught for nine years at both primary and secondary level here and overseas. Amongst other consultancies, he chairs the Sir Peter Blake Environmental Education Committee, is a member of the UNESCO Decade for Education for Sustainable Development working group and a trustee of the Clean Up New Zealand Trust. His research interests have included connections between outdoor experiences and science learning and the nature of science and the work of scientists. In this latter area he spent a week in Antarctica exploring the fascination scientists there have for their work. A key focus of his work now is to enthuse all who will listen with the fascination inherent in the natural world and the role scientific literacy must play for all citizens of the 21st century.

Gresham Bradley

Gresham Bradley's career spans 25 years of experience in educational websites, programming and production management. Since his return "down-under" in 1997, Gresham has consulted on a number of projects including educational programming for Telecom New Zealand's First Media 'iTV' channel and the Optus Vision (Australia), 'Horizon Learning Channel', programmed by Educational Media Australia. In 2000-2001 he was Producer of Captain's Log, a documentary series on the maritime heritage of New Zealand. In 2000/1 Gresham joined forces with Robert Boyd Bell and Brian Oliver to form e-net Ltd a company dedicated to producing learning materials using television, the Internet and broadband services. Gresham was Line Producer for the Knowledge Breakfast series on TVOne and managed the design creation and launch of the www.knowledge.nzoom.com website. In 2004 Gresham managed the development, design and content of the pioneering videostreaming website www.transitofvenus.auckland.ac.nz, oversaw the video production aspects of the competition and participated in the Transit of Venus expeditions to the UK. In 2005 he developed and has managed the NZ Year of Physics website www.eequalsmcsquared.auckland.ac.nz. He is currently organising one of the last major events for Year of Physics on the website: the Rocket to the Stars Challenge in collaboration with NASA Connect, a USA, Canada, New Zealand videoconference scheduled to be held on November 2nd.

Steve Broni

In 1984, Steve Broni 'ran away to sea' with '*In the Footsteps of Scott Antarctic Expedition*'. He got a little more than he bargained for — 11 ½ months in Antarctica, wintering over with just two others. It's lucky then that living alone amidst Nature's grandeur appeals to him — in 1989 he moved in New Zealand where he fell in love with his now home, the Otago Peninsula. Since Antarctica, he's managed a few more interesting jaunts — he's spent 6 months on Falkland Islands, three on those the only soul on Beaver Island, he's worked in Alaska, travelled to New Zealand's sub-Antarctic islands on numerous occasions and he's studied seabirds on the remote Gough Island and Tristan da Cunha. Broni has a BSc in Marine Biology and a MSC in Ornithology. He enjoys reading, making and flying kites, biking, mountain running, collecting 'yowies' and watching *Thomas the Tank Engine*. He is currently wrestling with the first draft of a children's novel entitled 'Joshua and the Runaway Penguins'.

Sarah Brooker

With a background in biochemistry, genetics and science communication, Sarah Brooker is a freelance science communicator working on communication strategies, exhibition development and design, presentation training and event management. She is the National Treasurer of the Australian Science Communicators, is on the committee of the Victorian State Branch and the steering committee for the World Conference of Science Journalists 2007. Sarah assisted with the establishment of the Gene Technology Information Service, a national enquiry centre which is a partnership between Biotechnology Australia, a Federal government agency, and the University of Melbourne. Familiar with the science, issues and public attitudes to do with biotechnology, she has given presentations to widespread audiences, including at the PCST conference in Cape Town, South Africa in 2002. Her freelance projects have taken her through Canberra to work on Science Meets Parliament and 50th anniversary celebrations for the Australian Academy of Science; and up to Queensland to develop and design a travelling biotechnology exhibition. Sarah lives in Melbourne and is coordinating communication for the Einstein International Year of Physics and Fresh Science 2005.

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Peter Buchanan

Peter Buchanan is team leader of 24 systematics staff at Landcare Research working on taxonomy of arthropods and other invertebrates, fungi, and bacteria. He has a special passion for the fungi, and for making public aware of biodiversity, especially the smaller, most diverse, and often overlooked members of our fauna, flora, and fungi.

Peter Burke

Peter Burke is External Relations Manager with the Ministry of Fisheries. He has been a Communications Manager since 1988 in both local and central government and has worked at the Foundation for Research, Science and Technology and ERMA New Zealand. A former television agricultural journalist and editor of the Radio New Zealand's rural team, he is also a life member of the New Zealand Guild of Agricultural Journalists. He has a long association with agricultural science, not only as a journalist, but also as a lifestyle farmer. He runs an annual field day for lifestyle farmers in the lower half of the North Island. His initiative to establish SCANZ came after he attended an international conference on Science Communication in South Africa two years ago and saw what other countries were doing. He believes a strong SCANZ is vital for science communicators in New Zealand and is committed to making it happen.

Niall Byrne

Niall Byrne is a science writer and science publicist. Recent clients include Nature, the Prime Minister's Science Prize, the Bionic Ear Institute, the Bio21 Institute, Biosphere NZ and NZBio. His proudest professional achievements of recent years are: as media director of the 19th International Genetics Congress held in Melbourne in 2003. With more than 120 accredited journalists, it redefined how science conferences can relate to the community. The continuing success of Fresh Science and Fresh Innovators – identifying and promoting early career science talent. Niall is a long-standing committee member of the Australian Science Communicators and is the Coordinator of the Victorian State Branch. He is also the acting Director for the World Conference of Science Journalists 2007. Niall's projects are listed on line at www.scienceinpublic.com Following a UK biology degree, Niall learnt his trade with CSIRO and the high security Australian Animal Health Laboratory, dealing with the media consequences of many strange viruses, including the one that got away, rabbit calicivirus.

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Paul Callaghan

Paul Callaghan took his first degree in Physics at Victoria University of Wellington. He then did a DPhil degree at Oxford University, working in low temperature physics. On his return to New Zealand in 1974 he took up a lecturing position at Massey University where he began researching the applications of magnetic resonance to the study of soft matter. He was made Professor of Physics in 1984, and in 2001 was appointed Alan MacDiarmid Professor of Physical Sciences at Victoria University of Wellington. He also heads the multi-university MacDiarmid

Institute for Advanced Materials and Nanotechnology. Paul is Past President of the Academy Council of the Royal Society of New Zealand. He has published around 200 articles in scientific journals as well as a book on magnetic resonance. In 2001 he became the 36th New Zealander to be made a Fellow of the Royal Society of London. Paul is a regular science communicator, most recently having a monthly slot on the Saturday morning with Kim Hill.

Karen Cronin

Karen Cronin is a Senior Lecturer (part time) in Environmental Studies, in the School of Earth Sciences at Victoria University of Wellington. She is also completing a PhD, through the Victoria Management School, on risk communication. Her research is focused on the genetic engineering debate and the link between communication issues and risk decision-making and governance. Karen has a BA in Human Geography from Auckland University and an MSc in Resource Management from Lincoln University. Her professional career has been in environmental policy and corporate communications. She was Corporate Communications Manager for the Environmental Risk Management Authority from its establishment in 1997 to 2001. She has also held senior management positions in the Wellington City Council, the Ministry for the Environment and the World Wide Fund for Nature. She was a member of New Zealand Environmental Council from 1985-1987. She has been a member of the international Commission on Environmental Education and Communication, IUCN (the World Conservation Union) since 1996; and an OECD international working party on risk communication 1998-2001. Karen was also a founding member of the New Zealand Society for Risk Management in 2000 and a member of the Society's management committee.

Barbara Crocker

As Manager Communications, Health Research Council of New Zealand, Barbara Crocker manages and supports the HRC brand, handles media relations, issues management and response, edits HRC publications and manages the HRC's web presence. Recent achievements include rebranding the HRC; redeveloping its website; establishing a senior science award, the Liley Medal; and undertaking the HRC's first stakeholder survey. Prior to joining the HRC, Barbara was senior consultant for a major PR agency. Some highlights of her time in there were: Raising the public profile of an international satellite telephone company. This work included media relations for the company's sponsorship of Iridium Icetrek, explorers Peter Hillary, Eric Philips and Jon Muir's South Pole expedition and a media campaign to raise public awareness and address the shortage of Maori and Pacific bone marrow donors. As a direct result the number of Maori and Pacific donors on the New Zealand Bone Marrow Registry increased by more than 50 per cent. For fun, Barbara breeds and shows miniature poodles.

Wilson da Silva

Wilson da Silva has worked in newspapers, magazines, television and online. A former on-air reporter for ABC TV's *Quantum* science show, he has served as editor of the magazines *Newton* and *21C*, was science editor of ABC Online, has been a foreign correspondent for the newswire Reuters, and is a former journalist on *The Age* and *The Sydney Morning Herald*. The winner of 15 journalism and film awards - including the Human Rights Award, the Michael Daley Award and the AFI Award for Best Documentary - he is currently president of the World Federation of Science Journalists and is a former president of The Australian Museum Society and the Australian Science Communicators.

Duncan de Geest

Duncan is a registered patent attorney in A J Park's Wellington office. He specialises in all aspects of patent practice, particularly in the areas of biotechnology and chemical innovations. Duncan also works with organisations from a range of other industries including, pharmaceutical, agrichemical, process technology and materials science. Duncan graduated from the University of Canterbury in 1998 with a PhD in Chemistry. He carried out post-doctoral research at the University of Otago in organic and inorganic design, synthesis and characterisation. Duncan is a fellow of the New Zealand Institute of Patent Attorneys, a member of the Intellectual Property Society of Australia and New Zealand and is studying towards his degree in law.

Tessa Devereux

Tess Devereux is one of the four presenters on the forthcoming TV programme, Project Q. Currently having a gap year after graduating from Wellington High School in 2004, Tess took just the right mix of subjects for her presenting role: English, Drama, Physics, Chemistry, Photography and Hospitality. On Project Q, she particularly loved talking fossils with James Crampton and thought learning about bugs and insects with Shaun Forgie at HortResearch was cool. When she's not working, she loves to listen to music, read books, watch movies, walk her

dog Moss and play with her cockatiel Dott. Tess is currently working with young children in an after-school programme. Her dreams of the future include writing a book, to see the Aurora Borealis and learn a jazz song on the piano.

Katherine Edmond

Katherine Edmond is a media specialist, based in Hawke's Bay and working for a diverse range of clients around New Zealand, including national companies and government organisations. She has been working as a contracted media adviser for the Foundation for Research, Science and Technology and as a media writer for New Zealand Trade and Enterprise since July 2002. Katherine has extensive media experience, both as a daily journalist for radio and television outlets, a freelance writer and editor, and as a media adviser to organisations wanting to maximise their editorial exposure and opportunities. In recent years Katherine has built up sound knowledge of current issues and challenges in the science, technology and business sectors and established a strong network of contacts in a range of small, medium and large companies, government agencies, universities and research and technology service providers.

Kay Foley

Kay Foley is a senior communications specialist with newspaper and radio experience in New Zealand and Australia. Her Hawkes Bay-based company, o.k.media, provides public relations and media advice to a range of clients, including schools, tourism operators and large national companies. She works in partnership with Katherine Edmond as a contracted media adviser for the Foundation for Research, Science and Technology. Before starting her own business, she worked as Communications Manager for the Hawkes Bay Regional Council. Kay combines her skills as an experienced daily journalist, business editor and broadcaster with her knowledge of media operations and contacts to negotiate editorial coverage on a range of issues, including business innovation, science and technology.

Glenis Giles

For the past fifteen years Glenis Giles has worked in the independent film and television industry, as a production manager, line producer and producer. Her portfolio of work includes film and television drama, documentaries, children's television, commercials, music videos and theatrical short films. She has worked extensively in the production of television for youth and produced the highly successful and award winning animation film *The Grocer's Apprentice*. As an independent film and television producer, Glenis has considerable experience in the production of New Zealand television. She has worked in all aspects of production, giving her extensive skills and a broad understanding in all areas from Production through to Post Production including managing the art department on the feature film *Fracture*. Glenis has production managed three major television drama series. *The Tribe* – Series II, for Cloud 9, *lovebites* a 26 part series with Kahukura Productions for TV3, and *The Creation Series*, Sector 14/Iki Animation, for Maori Television. Glenis is an active member of the New Zealand film industry. She Chairs the Wellington Fringe Film Festival, having been a board member since its inception seventeen years ago and is a founding member of WIFT Wellington Inc. (Women in Film and Television)

Kim Griggs

The fate of New Zealand's kakapo, what will happen to the Ross Ice Shelf as the climate changes, how Margaret Thatcher lost the Tory leadership, and the bombing of the Rainbow Warrior are just a few of the stories Kim Griggs has reported on during her two decades as a journalist. She left New Zealand in 1986 for a brief O.E., returning 12 years later — with one husband and two kids in tow — after a reporting romp through the financial capitals of the world. Her reporting focus shifted to science when, after her return to New Zealand, she was lucky enough to be selected for a media trip to Antarctica. Nowadays Antarctic stories are a speciality and in 2003 Random House New Zealand published her book *On Blue Ice: A Not Very Brave Journey to Antarctica*. Kim focuses almost entirely on writing about New Zealand science and technology for national and international magazines and newspapers. Kim has a BA in French and Political Science, which was actually useful when the French bombed the Rainbow Warrior, studied journalism at Wellington Polytechnic and has a MA in International Communications.

Judy Grindell

Judy Grindell works for Landcare Research in Lincoln where she is the PR/Communications Manager for the CRI. Once upon a time, she was a practising biologist. These days she spends her days telling non-science audiences about Landcare Research's activities. Her science background and a passion for plain English come in handy!

Angela Handforth

Angela Handforth started as Manager and Concept Leader: Science at Te Manawa, Palmerston North, in February. Te Manawa combines the three elements of Life, Art and Mind in the form of a museum, a science centre and an art gallery. Angela's primary focus at Te Manawa is the science centre strand, and her my work in this area is both exciting and varied. We communicate science and technology in a number of different ways, such as in the production of interactives, text and visuals for exhibitions and through a variety of public programmes. Communicating the amazing world of science and technology is something that I am passionate about. She has worked with organisations, such as the Ontario Science Centre, Woburn Safari Park and The International Virtual Medical School, to present scientific concepts to the public. A particular interest is using visuals and interactives to present scientific concepts and enhance greater understanding. Angela has a B.Sc. (Hons.) Degree in Pure and Applied Ecology, from the University of Sheffield (UK), and a Masters of Science in Biomedical Communications, from the University of Toronto (Canada).

Karen Hartshorn

Karen Hartshorn has always liked the communication, organisation and fundraising parts of jobs, but doesn't enjoy research so much. When at Cambridge, she was always frustrated that none of the interesting stuff being done there was ever communicated successfully outside of the departments. Karen moved to Dunedin with her partner in February 2005 and took up the position as director of the International Science Festival job about a month after moving here. Karen has a BA (Archaeology & Geology) from Harvard University; spent three years as a teacher in England before studying at Cambridge for an MPhil (Archaeology). Her PhD (Pending, Geology) is also from Cambridge.

Ian Kennedy

Ian Kennedy came into the Roadshow organisation in 1991, after 12 years of secondary science teaching in Christchurch and Lower Hutt. In his early Roadshow days he was continually on the road with the Telecom Technology-Science Roadshow as Manager. Over the intervening years Ian has been instrumental in facilitating the development of many other Roadshow initiatives. His role as Director is more heavily focussed toward organisational administration, programme development and funding. But from time to time he can still be found out on the "road". Ian has been Vice-President of the Australasian Science and Technology Exhibition Network as well as Treasurer of Association of Science and Technology Centres (NZ). He has received a Royal Society of New Zealand medal in recognition of his services to science and technology promotion and education and is currently on the Ministry of Research, Science and Technology's Dialogue Strategy Group. He is also CEO of [Joule](#).

Phil Johnstone

Phil Johnstone's interest in science took off in 1997, when he joined the NZ subsidiary of Merck Sharp & Dohme (MSD) – an organisation with 5500 PhD scientists worldwide which discovers, develops and markets prescription medicines. His role is to think about operating environment policy and MSD's relationships across the health and science sectors. He runs MSD's science promotion programme which includes talks by US-based Kiwi biochemist Dr Jilly Evans (an MSD scientist) and exhibition sponsorships (including 'Body Odyssey', an exhibition about the science of the human body' and 'Genetic Revolution', an American Museum of Natural History exhibition that will be Te Papa's major exhibition for 2005). After studying political science and history at Victoria University, Phil was a Dominion and press gallery journalist for six years, before working in London doing PR for BBC News and BBC Worldwide TV from 1990-1997.

Sarah Kenworthy

Sarah Kenworthy is a senior scientist at ESR providing analytical expertise for several programs, including workplace drug testing and the police program. She is the project Leader for a DMPK (drug metabolism and pharmacokinetics) project, the first of its kind in New Zealand. Sarah co-ordinates ESR's Kenepuru Science Centre's schools programme. Sarah previously worked for GlaxoSmithKline, UK, a global pharmaceutical company. Completed a PhD in the bioavailability of polymer peptide conjugates at Keele University, UK and a degree in Bio-medical Technology at Sheffield Hallam University. Sarah took a year out from her PhD to work with the Regional Head of the Pupil Research Initiative (PRI). This UK-wide initiative was aimed at getting school-aged children interested in further education in science and make science an attractive career choice. PhD students were paired with participating schools, spending time in the schools demonstrating their scientific research and involving the pupils. At the end of the year a conference was organised where pupils presented their scientific findings. Sarah was also involved in organising a scientific meeting for the PhD students and the schools at the National Science Museum in London. Outside work Sarah also "works with

kids" at Wellington Riding for the Disabled, is a trampoline coach at the Paremata YMCA Gym Club, and a voluntary helper at Cub Scouts.

Glenda Lewis

Glenda Lewis is communications manager of the Royal Society of New Zealand, where her brief is simply to promote awareness of, and excellence in, science. Her department also administers the government's Science and Technology Promotion Fund (managed by Faith Atkins), which awards over \$400,000 each year to a variety of new science promotion ventures. Glenda has always been in communications roles, and having recently earned a BSc in Physics from Victoria University, she wanted to apply her experience in the science sector. In the past she worked for Mobil Oil for five years as senior public affairs adviser, managing their extensive range of sponsorships, including the Te Maori Exhibition, the Mobil Song Quest and Mobil Export Awards. Before returning to university, Glenda was account director at Network Communications, where she worked on government public information campaigns for the introduction of the Smokefree legislation and the change to the MMP voting system. She has also had experience as a researcher/writer for a motoring magazine in the UK.

Bill Manhire

Bill Manhire is joint project leader with Paul Callaghan of *Are Angels OK?*, a collaborative project between physicists and creative writers supported by the Smash Palace programme. He is well known as a prize-winning poet. He was the inaugural Te Mata Estate Poet Laureate, and in 2004 was the Meridian Energy Katherine Mansfield Fellow in Menton. His books include volumes of short stories and a short memoir about growing up in South Island pubs, *Under the Influence*, as well as many collections of verse. Victoria University Press have just published *Lifted*, his most recent poetry collection, and also publish his *Collected Poems*. In 1998 he visited Antarctica, where among other things he spent 45 semi-heroic minutes at the South Pole. Among the books he has edited is *The Wide White Page: Writers Imagine Antarctica*, a ground-breaking anthology of poetry, fiction, and drama about the ice, from Samuel Taylor Coleridge and Edgar Allan Poe to Kim Stanley Robinson and H.P. Lovecraft. Manhire is also a notable teacher: he directs the now internationally-renowned creative writing programme at Victoria University.

Veronika Meduna

Veronika Meduna is the producer and presenter of *Eureka*, National Radio's weekly half-hour science programme. She has fronted *Eureka* since 2002, after establishing and presenting *Environment Matters*, a programme about environmental issues and conservation. Veronika trained and worked as a scientist, working in the field of soil microbiology, but she's been writing about scientific topics since her first year as a biology student. Her work has earned her several awards and grants, including an Asia 2000 grant to join a team of archaeologists in Cambodia earlier this year. In 2002, Veronika spent three months at Green College at Oxford University as a Chevening David Low Fellow, studying the media's role in communicating scientific risk and uncertainty.

Richard Meylan

Richard Meylan oversees the development of the Ministry of Research Science and Technology's (MoRST) Science in Society programme. This includes a range of promotion, awareness and engagement initiatives. His background in science communication includes six years working on science promotion activities for the Royal Society of New Zealand. He also managed the '*Wow, its science*' promotion campaign run out of PR company Logos Porter Novelli's Wellington office during 1998 and 1999. The recent emphasis of his work has been on the implementing the community engagement goal of the New Zealand Biotechnology Strategy.

Kate Neas

Kate Neas is a clinical geneticist with Central and Southern Regional Genetic Services (C&SRGS). She trained in medicine at Otago University, and completed her post graduate training in Paediatrics in Wellington and London and Clinical Genetics in Sydney. She is a qualified paediatrician and clinical geneticist. She has been working in Sydney until recently and has been with the C&SRGS for the past six months. She has been involved in research into the genetic basis of specific genetic conditions and the emerging use of specialised fertility techniques in genetic medicine.

Tim Pankhurst

Tim Pankhurst, editor of The Dominion Post, has a 30-year career in journalism both here and in Australia. He is Fairfax NZ's senior editor and has edited three other dailies - The Press, The Evening Post and the Waikato Times. Tim was founding Victorian editor of The Australian's Higher Education Supplement and this year set up a similar section in The Dominion Post. He

was briefly assistant general manager of Wellington Newspapers as part of the small team that merged The Dominion and The Evening Post to form the new title. He has a Diploma of Business Studies from Massey. Tim is chairman of the NZ section of the Commonwealth Press Union, which oversees media freedom issues. Tim also enjoys scuba diving, fishing, wine, reading and music.

Andy Reisinger

Andy Reisinger was born in Germany and moved to New Zealand in 1993. After completing his MSc he undertook a PhD in atmospheric physics at the University of Canterbury. After a post-Doc with NIWA, where he measured greenhouse gas emissions from agriculture, he started as scientific adviser on climate change to the government's climate change programme in the Ministry for the Environment and Department of Prime Minister and Cabinet. He is now a senior adviser with the Ministry for the Environment. One of Andy's main current roles is to act as the national focal point for the Intergovernmental Panel on Climate Change, the key scientific body that advises the United Nations on the science of climate change. Other responsibilities include general science liaison, science communication, work on the impacts of climate change on New Zealand, and strategic advice on long-term options to address climate change challenges. When not sitting in an office, Andy also works as freelance photographer where he specialises in landscape and nature photography, which has been published widely in calendars, books and magazines. Though not directly related to his role as science communicator, he says it's all part of trying to communicate what's special about the natural world around us.

Alan Samson

Alan Samson is a lecturer at Massey University where he teaches in the Graduate Diploma in Journalism. He has also set up and teaches the fledgling Environment and Science Reporting paper. For nearly 20 years Alan was a senior reporter at The Dominion newspaper, now the Dominion Post. He was also for a time the paper's deputy chief reporter and served long stints reporting in health, environment and general. Stories he covered for the newspaper included the Fiji coup, the Aramoana tragedy, the long-running Peter Ellis child molestation case, and the Lord of the Rings' phenomenon. He was also the only print journalist to cover the groundbreaking Royal Commission on Genetic Modification. In an earlier life he worked for the Christchurch Press, the New Zealand Press Association, as well as editing two management magazines in London. He is a several-times Qantas winner and finalist, including for crime and justice feature writing and science news reporting, three-times a Crown Research Institute's science writer winner, and a past winner of the NZ Skeptics critical reporting award. He is currently a sitting member of the New Zealand Press Council.

Shelley Scott

Shelley Scott has been exploring the exciting world of nanotechnology for the past few years, with a particular interest in self-assembly of nano-objects, and the remarkable examples of spontaneous pattern formation which are often observed. Shelley was the overall runner-up in this years MacDiarmid Young Scientist of the Year Awards, and winner of the Materials and Manufacturing category. She has recently completed a PhD at the University of Canterbury, and is now the Business Development Manager for Christchurch based nanotech company Nano Cluster Devices Ltd.

Peter Spratt

With almost 20 years of experience teaching science and mathematics, and three years as a Science Advisor to schools, Peter Spratt joined the Royal Society in 1994 as Executive Officer: Education. Over the years the education team within the Society staff has grown to 8.2 and the breadth of activity expanded accordingly. The RSNZ now offers programmes for teachers (NZ Science Mathematics and Technology Teacher Fellowships, National Waterways Project NWP), students (Realise the Dream, BP Challenge, CREST Awards and NWP), resources for learning (Alpha and Gamma series, presentations to schools, and occasional resources) and also advocates strongly for science and technology education and supports the professional subject associations. Peter is also President-Elect of the International Council of Associations of Science Education and will take up presidency in 2007.

Katherine Trought

Katherine Trought leads the Crop & Food Research communications team, which is responsible for corporate communications and media relations. She joined the organisation in October 2003 and has more than 15 years' experience as a professional communicator, most recently as a communications consultant in the technology development, new business and energy sectors. Prior to this she was corporate communications manager for Orion, and its predecessor Southpower, during the deregulation of the energy industry in the 1990s. She worked in the print media in the latter half of the 1980s. Katherine has a Masters in Business Studies from

Massey University, a Journalism Diploma from the University of Canterbury and a BSc (Hons) in Zoology. She is a Fellow and accredited member of the Public Relations Institute of New Zealand.

Nancy Ward

Nancy Ward is the Chief Executive for the Karori Wildlife Sanctuary - a world-first mainland island sanctuary which is gaining significant reputation nationally and internationally as a centre of conservation research and education. Nancy has been in this position since January 2003 although she was a board member of the Karori Wildlife Sanctuary until her appointment as the Chief Executive. Before the Karori Wildlife Sanctuary, Nancy spent 7 years in a tertiary education institution in a number of executive management roles responsible for international business, strategic partnerships and collaborative ventures, e-learning, marketing and business development and corporate services. Prior to this, Nancy had held a number of general manager positions in various organisations for over 9 years, led and managed a diverse range of functions.

Chris Webber

Chris Webber is from Wellington-Kapiti tribes Ngati Toa, Ngati Raukawa and Te Ati Awa. He has been a 'Maori Health Inspector' based in Rotorua with the Bay of Plenty DHB for the past 5 years, bridging the science gap on environmental health issues within Maori communities.

He is also an ex-journalist, educator and policy analyst so whilst taking time off to complete his thesis this year he hopes to establish a consultancy targeting some of the gaps noticed whilst in the field. Chris has been an executive member of the Public Health Association, a working group member for Ministry of Health inequalities and health protection advisory groups and Ministry of Social Development's participatory process group.

Janine Young

Janine Young's direction in life was set from a very early age. At 12 years she was hosting her school's weekly community radio program, and at age 13 an article in National Geographic excited her enough to believe that she should become an immunologist. Fifteen years, an honours degree in biochemistry and a PhD later, it came as a shock to find that research wasn't for her and that she was much better at talking about science than actually doing it. So Janine politely declined a postdoctoral fellowship and instead set about using a Graduate Diploma in Scientific Communication to forge a career in communication. Since then, she has worked both in Australia and overseas for several organisations, including Questacon - the National Science and Technology Centre and the National Science Museum of Thailand. Janine now works for the Australian Government agency Biotechnology Australia, which encourages informed debate on issues related to biotechnology. She initially worked in news and media but has spent the last year fully redeveloping the education resource Biotechnology Online. In addition, Janine regularly speaks at forums, universities and at conferences about public awareness of biotechnology, and with teachers and students about careers in science and technology.

Thanks also to the *Science Census* contributors: Justin Brownlie, Bridget Beaurepaire, Ian Kennedy, Marilyn Head, Veronica Meduna, and Jim Tully.