

# SCIS311 - Science Communication

Readings and other material for SCIS311 Science Communication

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2009 Expedition - Cape Farewell - The cultural response to climate change (no date). Available at: <http://www.capefarewell.com/2009.html>.

A Guide for Scientists on Giving Comments to Journalists – Phenomena (no date). Available at: <http://phenomena.nationalgeographic.com/2013/05/22/a-guide-for-scientists-on-giving-comments-to-journalists/>.

A Short History of Science Communication - An Infographic — FromTheLabBench (no date). Available at: <http://www.fromthelabbench.com/from-the-lab-bench-science-blog/2016/6/21/a-short-history-of-science-communication-an-infographic>.

Adam Curtis, All watched over by machines of loving grace, episode 2: The use and abuse of vegetational concepts (no date). Available at: <http://www.etv.org.nz/programme.php?id=40359>.

Anatomy of a masterpiece: 13 reasons why the 'funniest video of the year' is pure comedy gold (no date). Available at: <http://www.telegraph.co.uk/men/the-filter/anatomy-masterpiece-13-reasons-funniest-video-year-pure-comedy/>.

Bad Science | Jacobin (no date). Available at: <https://www.jacobinmag.com/2014/06/bad-science/>.

Ball, P. (2011) 'A metaphor too far', Nature [Preprint]. Available at: <https://doi.org/10.1038/news.2011.115>.

Barthes, R. and Lavers, A. (1993) Mythologies. London: Vintage.

BBC Blogs - Adam Curtis - THE VEGETABLES OF TRUTH (no date). Available at: <http://www.bbc.co.uk/blogs/adamcurtis/entries/a2094c9d-9864-348e-a241-7aa93adf0c09>.

Bell, David □ Bell, David (2007) Science, Technology and Culture. McGraw-Hill Education. Available at: <http://ebookcentral.proquest.com/lib/VUW/detail.action?docID=287869>.

'Biotech remains unloved by the more informed' (no date). Available at: <http://www.nature.com/nature/journal/v416/n6878/pdf/416261a.pdf>.

Blum, D. et al. (2006a) A field guide for science writers. 2nd ed. Oxford [England]: Oxford

University Press. Available at: <http://site.ebrary.com/lib/vuw/Top?id=10271560>.

Blum, D. et al. (2006b) A field guide for science writers. 2nd ed. Oxford [England]: Oxford University Press. Available at: <http://site.ebrary.com/lib/vuw/Top?id=10271560>.

Breaking Ice Arts-Science Symposium | NZ IceFest (no date). Available at: <http://nzicefest.co.nz/breaking-ice-arts-science-symposium>.

'Climate Change Debate: Last Week Tonight with John Oliver (HBO) - YouTube' (no date). Available at: <https://www.youtube.com/watch?v=cjuGCJJUGsg>.

Communicating Science in Social Contexts (no date). Available at: <https://link.springer.com/book/10.1007%2F978-1-4020-8598-7>.

Creative Commons Aotearoa New Zealand (no date). Available at: <https://creativecommons.org.nz/>.

'Creative Commons Kiwi - YouTube' (no date). Available at: <https://www.youtube.com/watch?v=AeTIXtEOpIA>.

'Creative Commons Pukeko on Vimeo' (no date). Available at: <https://vimeo.com/147551334>.

David Dobbs on science writing: 'hunt down jargon and kill it' | Science | The Guardian (no date). Available at: <https://www.theguardian.com/science/2013/apr/19/science-writing-david-dobbs>.

Deborah Blum on science writing: I'm a neurotic over-researcher | Science | The Guardian (no date). Available at: <https://www.theguardian.com/science/2013/apr/24/deborah-blum-science-writing>.

Deconstructing Gawande – why narrative and structure are important - Not Exactly Rocket Science : Not Exactly Rocket Science (no date). Available at: <http://blogs.discovermagazine.com/notrocketscience/2010/08/23/deconstructing-gawande-why-narrative-and-structure-are-important/#.WMXoGRhh1Bw>.

Discover Magazine Blogs - : Discover Magazine Blogs (no date). Available at: <http://blogs.discovermagazine.com/>.

Does the new definition of science measure up? | Science | The Guardian (no date). Available at: <https://www.theguardian.com/science/blog/2009/mar/03/science-definition-council-francis-bacon>.

Dudo, A. (2015) 'Scientists, the Media, and the Public Communication of Science', *Sociology Compass*, 9(9), pp. 761–775. Available at: <https://doi.org/10.1111/soc4.12298>.

Ebooks Corporation (2013a) Communication and engagement with science and technology: issues and dilemmas : a reader in science communication. Edited by J. Gilbert and S. Stocklmayer. New York: Routledge. Available at: <https://ebookcentral.proquest.com/lib/vuw/detail.action?docID=1092837>.

Ebooks Corporation (2013b) Communication and engagement with science and technology: issues and dilemmas : a reader in science communication. Edited by J. Gilbert and S. Stocklmayer. New York: Routledge. Available at: <https://ebookcentral.proquest.com/lib/vuw/detail.action?docID=1092837>.

Ebooks Corporation (2013c) Communication and engagement with science and technology: issues and dilemmas : a reader in science communication. Edited by J. Gilbert and S. Stocklmayer. New York: Routledge. Available at: <https://ebookcentral.proquest.com/lib/vuw/detail.action?docID=1092837>.

Ebooks Corporation (2013d) Communication and engagement with science and technology: issues and dilemmas : a reader in science communication. Edited by J. Gilbert and S. Stocklmayer. New York: Routledge. Available at: <https://ebookcentral.proquest.com/lib/vuw/detail.action?docID=1092837>.

Emily D. Edwards (1998) 'Firewalking: A Contemporary Ritual and Transformation', TDR (1988-), 42(2), pp. 98–114. Available at: [http://www.jstor.org/stable/1146701?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/1146701?seq=1#page_scan_tab_contents).

Five Ways to Improve your Science Writing – Entomology Today (no date). Available at: <https://entomologytoday.org/2014/11/25/5-ways-to-improve-your-science-writing/>.

Fleming, J. and Star, J. (no date) 'The emergence of science communication in Aotearoa New Zealand'. Available at: [https://jcom.sissa.it/sites/default/files/documents/JCOM\\_1603\\_2017\\_A02.pdf](https://jcom.sissa.it/sites/default/files/documents/JCOM_1603_2017_A02.pdf).

Forewarned is forearmed - Science Media Savvy | Helping scientists work effectively with the news media (no date). Available at: <http://sciencemediasavvy.org/dealing-with-the-media/>.

Ghosts of the planet's past - The Listener (no date). Available at: <http://www.noted.co.nz/archive/listener-nz-2015/ghosts-of-the-planet-s-past/>.

Good to glow - The Listener (no date). Available at: <http://www.noted.co.nz/archive/listener-nz-2015/good-to-glow/>.

Grundmann, R. and Cavaillé, J.-P. (2000) 'Simplicity In Science And Its Publics', Science as Culture, 9(3), pp. 353–389. Available at: <https://doi.org/10.1080/713695251>.

Gutkind, L. and Buck, H.F. (eds) (2009) Keep it real: everything you need to know about researching and writing creative nonfiction. New York, N.Y.: W.W. Norton & Co.

'Handbook of Public Communication of Science and Technology, ed. Bucchi and Trench' (no date). Available at: [https://moodle.ufsc.br/pluginfile.php/1485212/mod\\_resource/content/1/Handbook-of-Public-Communication-of-Science-and-Technology.pdf](https://moodle.ufsc.br/pluginfile.php/1485212/mod_resource/content/1/Handbook-of-Public-Communication-of-Science-and-Technology.pdf).

Harding, S.G. (1998) Is science multicultural?: postcolonialisms, feminisms, and epistemologies. Bloomington, Ind: Indiana University Press.

Harris et. al., P. (no date) 'A Review of Māori Astronomy'. Available at: <http://www.narit.or.th/en/files/2013JAHHvol16/2013JAHH...16..325H.pdf>.

Hayes, R., Grossman, D., and Union of Concerned Scientists (2006) A scientist's guide to talking with the media: practical advice from the Union of Concerned Scientists. New Brunswick, N.J.: Rutgers University Press.

Higgins, K. (2016) 'Post-truth: a guide for the perplexed', *Nature*, 540(7631), pp. 9-9. Available at: <https://doi.org/10.1038/540009a>.

Hikuroa, D. (2017) 'Mātauranga Māori—the ūkaipō of knowledge in New Zealand', *Journal of the Royal Society of New Zealand*, 47(1), pp. 5-10. Available at: <https://doi.org/10.1080/03036758.2016.1252407>.

Hitching a ride - Griffith Review (no date). Available at: <https://griffithreview.com/articles/hitching-a-ride/>.

Home - Radiolab (no date). Available at: <http://www.radiolab.org/>.

How to avoid common mistakes in science writing | Science | The Guardian (no date). Available at: <https://www.theguardian.com/science/2014/apr/24/how-to-avoid-common-mistakes-in-science-writing>.

How to write a science news story | Wellcome Trust Science Writing Prize | Ian Sample | Science | The Guardian (no date). Available at: <https://www.theguardian.com/science/2014/mar/28/news-story-research-paper-wellcome-trust-science-writing-prize>.

In Defense Of Metaphors In Science Writing - Scientific American Blog Network (no date). Available at: <https://blogs.scientificamerican.com/life-unbounded/in-defense-of-metaphors-in-science-writing/>.

Inclusion-Exclusion In Mathematics And Beyond (no date). Available at: [http://digitaleditions.walsworthprintgroup.com/publication/?i=566588&article\\_id=3302575&view=articleBrowser&ver=html5#{\"issue\\_id\":566588,\"view\":\"articleBrowser\",\"article\\_id\":\"3302575\"}](http://digitaleditions.walsworthprintgroup.com/publication/?i=566588&article_id=3302575&view=articleBrowser&ver=html5#{\).

Infographics & Creative Commons | Trello (no date). Available at: <https://trello.com/b/TG8zZe0C/infographics-creative-commons>.

Infographics and Creative Commons (no date). Available at: <https://www.haikudeck.com/infographics--creative-commons-business-presentation-1c5RAMQOgB>.

Jair Salinas (2017) 'Acapella Science - Evo Devo (Despacito parody) subtitulada al español - YouTube'. Available at: <https://www.youtube.com/watch?v=I2LRSBVRPR0>.

Jean RobertsonCraig McDaniel (no date) 'Science and contemporary art', *Grove Art Online* [Preprint]. Available at: <http://www.oxfordartonline.com/subscriber/article/grove/art/T2088866>.

Kahan, D.M. et al. (2012) 'The polarizing impact of science literacy and numeracy on perceived climate change risks', *Nature Climate Change*, 2(10), pp. 732-735. Available at:

<https://doi.org/10.1038/nclimate1547>.

Kapua, T (no date) 'Defining Maori Science', Historical Review: Bay of Plenty Journal of History, 45(2).

Kurzgesagt - In a Nutshell (2015) 'What if there was a black hole in your pocket? - YouTube'. Available at: <https://www.youtube.com/watch?v=8nHBGFKLHZQ>.

Long-term hazards of Taupo's supervolcanoes - The Listener (no date). Available at: <http://www.noted.co.nz/currently/science/long-term-hazards-of-taupos-supervolcanoes/>.

Louisiana Bucket Brigade | Clean air, Sustainability, Justice (no date). Available at: <http://labucketbrigade.org/>.

Martin Robbins (2010) 'This is a news website article about a scientific paper', Guardian [Preprint]. Available at: <https://www.theguardian.com/science/the-lay-scientist/2010/sep/24/1>.

Measure Text Readability - Readability and Keyword Density Analysis and Tools - Unique readability tools to improve your writing! Readable.io (no date). Available at: <https://readable.io/>.

'Media Relations - Jane Johnston - 9781742376448 - Allen & Unwin - Australia' (no date) in. Available at: <https://www.allenandunwin.com/browse/books/academic-professional/media-communication-studies/Media-Relations-Jane-Johnston-9781742376448>.

MIT App Inventor | Explore MIT App Inventor (no date). Available at: <http://appinventor.mit.edu/explore/>.

MOON, K. and BLACKMAN, D. (2014) 'A Guide to Understanding Social Science Research for Natural Scientists', Conservation Biology, 28(5), pp. 1167-1177. Available at: <https://doi.org/10.1111/cobi.12326>.

'Nano Girl vs. Rhys Darby the nanobot zombie brain debate - YouTube' (no date). Available at: <https://www.youtube.com/watch?v=22aaqMjkXho>.

'National Statement of Science Investment' (no date). Available at: <https://www.mbie.govt.nz/assets/2eaba48268/national-statement-science-investment-2015-2025.pdf>.

'NZ Herald' (no date). Available at: [https://www.nzherald.co.nz/nz/news/article.cfm?c\\_id=1&objectid=12138857](https://www.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=12138857).

NZ Icefest - Christchurch 2016 | NZ IceFest (no date). Available at: <http://nzicefest.co.nz/>. Patients Who Were Research Subjects and the Doctors Who Listened - the Citizen Science of HIV/AIDS Research - Citizen Science Salon : Citizen Science Salon (no date). Available at: [http://blogs.discovermagazine.com/citizen-science-salon/2014/07/21/hivaids-citizen-science/#.XNs\\_4y-B1hE](http://blogs.discovermagazine.com/citizen-science-salon/2014/07/21/hivaids-citizen-science/#.XNs_4y-B1hE).

Peak Bullshit? | Post-truth | An essay by Richard King (no date). Available at: <https://sydneyreviewofbooks.com/peak-bullshit-post-truth/>.

Pielke, R.A.J. (2007) *The Honest Broker*. Cambridge: Cambridge University Press. Available at: <https://doi.org/10.1017/CBO9780511818110>.

PM's new, protein-wrangling science advisor (no date). Available at: <https://www.newsroom.co.nz/2018/06/12/117856/new-protein-wrangling-pms-science-adviser-greeted-with-delight#>.

Poison in the Night | Speakeasy Science (no date). Available at: <http://blogs.plos.org/speakeasyscience/2010/09/07/poison-in-the-night/>.

Priestley, R. (2010) 'A Survey of the History of Science in New Zealand 1769-1992', *History Compass*, 8(6), pp. 474-490. Available at: <https://doi.org/10.1111/j.1478-0542.2010.00684.x>.

Professor Juliet Gerrard, The Prime Minister's Chief Science Advisor (no date). Available at: <https://www.pmcsa.ac.nz/our-community/professor-juliet-gerrard/>.

Radio New Zealand : National : Programmes : Our Changing World (no date). Available at: <http://www.radionz.co.nz/national/programmes/ourchangingworld>.

'Report of National Science Challenges panel' (no date). Available at: <http://www.pmcsa.org.nz/wp-content/uploads/Report-of-National-Science-Challenges.pdf>.  
'Sailing, tsunami and climate change: Rhian Salmon at TEDxHomeBushRdWomen' (2AD). Available at: <https://www.youtube.com/watch?v=BsINPfOwKmw>.

Sciblogs | Home - Sciblogs (no date). Available at: <http://sciblogs.co.nz/>.

Science is not what you want it to be - Making Science Public (no date). Available at: <http://blogs.nottingham.ac.uk/makingsciencepublic/2014/05/25/science-is-not-what-you-want-it-to-be/>.

Science Media Centre » How Science Works – the Peer Review process (no date). Available at: <http://www.sciencemediacentre.co.nz/how-science-works-the-peer-review-process/>.

'Science writing checklist' (no date). Available at: <https://entomologytoday.files.wordpress.com/2014/11/writingchecklist2014.pdf>.

Scientific advice in a troubled world | Office of the Prime Minister's Science Advisory Committee, New Zealand (no date). Available at: <http://www.pmcsa.org.nz/blog/scientific-advice-in-a-troubled-world/>.

Scientific American Blog Network - Scientific American Blog Network (no date). Available at: <https://blogs.scientificamerican.com/>.

Scientists Are Hoarding Data And It's Ruining Medical Research - BuzzFeed News (no date). Available at: [https://www.buzzfeed.com/bengoldacre/deworming-trials?utm\\_term=.ks372b8yN#.dsGlg0rRQ](https://www.buzzfeed.com/bengoldacre/deworming-trials?utm_term=.ks372b8yN#.dsGlg0rRQ).

Secrets of good science writing | Science | The Guardian (no date). Available at: <https://www.theguardian.com/science/series/secrets-science-writing>.

'Shitty First Draft' (no date). Available at:  
<https://wrd.as.uky.edu/sites/default/files/1-Shitty%20First%20Drafts.pdf>.

Tali Sharot: The optimism bias | TED Talk | TED.com (no date). Available at:  
[https://www.ted.com/talks/tali\\_sharot\\_the\\_optimism\\_bias](https://www.ted.com/talks/tali_sharot_the_optimism_bias).

Thaw point - The Listener (no date a). Available at:  
<http://www.noted.co.nz/archive/listener-nz-2015/thaw-point/>.

Thaw point - The Listener (no date b). Available at:  
<http://www.noted.co.nz/archive/listener-nz-2015/thaw-point/>.

The cult of science | New Humanist (no date). Available at:  
<https://newhumanist.org.uk/articles/2836/the-cult-of-science>.

'The debunking handbook, John Cook and Stephan Lewandowsky' (no date). Available at:  
[https://www.skepticalscience.com/docs/Debunking\\_Handbook.pdf](https://www.skepticalscience.com/docs/Debunking_Handbook.pdf).

The effects of plastic microbeads in facial scrubs - The Listener (no date). Available at:  
<http://www.noted.co.nz/currently/science/the-effects-of-plastic-microbeads-in-facial-scrubs/>.

The magic of science - Making Science Public (no date). Available at:  
<http://blogs.nottingham.ac.uk/makingsciencepublic/2012/03/23/the-magic-of-science/>.

The use of metaphors in science and technology - the teaching tomtom (no date).  
Available at:  
<https://teachingtomtom.com/2012/11/29/the-use-of-metaphors-in-science-and-technology/>.

Trappings of success - The Listener (no date). Available at:  
<http://www.noted.co.nz/currently/science/trappings-of-success/>.

'Where Do Trees Get Their Mass From? - YouTube' (no date). Available at:  
[https://www.youtube.com/watch?v=2KZb2\\_vcNTg](https://www.youtube.com/watch?v=2KZb2_vcNTg).

Why being bilingual works wonders for your brain | Science | The Guardian (no date).  
Available at:  
<https://www.theguardian.com/science/2016/aug/07/being-bilingual-good-for-brain-mental-health>.

Why Facts Don't Change Our Minds - The New Yorker (no date). Available at:  
<http://www.newyorker.com/magazine/2017/02/27/why-facts-dont-change-our-minds>.

Woolgar, S. (1988) Science, the very idea. Chichester [West Sussex]: Ellis Horwood.

Writing for Impact: what you need to know, and 5 ways to know it | Paul Cairney: Politics & Public Policy (no date). Available at:  
<https://paulcairney.wordpress.com/2017/05/24/writing-for-impact-what-you-need-to-know-and-5-ways-to-know-it/>.

Writing Resources « Rebecca Skloot (no date). Available at:

<http://rebeccaskloot.com/writing/writing-resources/>.

Your Penis Is Getting in the Way of My Science (no date). Available at:

<http://io9.gizmodo.com/your-penis-is-getting-in-the-way-of-my-science-1564473352>.