

Rhetoric of Science Reading Possibilities

- Bazerman, Charles. *The Language of Edison's Light*.
- Bazerman, *Shaping Written Knowledge: The Genre and Activity of the Experimental Article in Science*.
- Bazerman and Rogers in *Handbook of Writing Research* (2007): "Writing and secular knowledge apart from modern European institutions," and "Writing and secular knowledge within modern European institutions." For a student, these are great overarching reviews of the literature that is currently out there.
- Baake, Ken *Metaphor and Knowledge: The Challenges of Writing Science* (SUNY)
- *Best American Science and Nature Writing, 2005 & 2006*
- Brueggemann, Brenda *Lend Me Your Ear*
- Ceccarelli, Leah *Shaping Science with Rhetoric* [used in an advanced undergraduate Rhetoric of Science course. It worked well (we read the Kuhn additionally). Student teams each performed a mini-ethnography of a science department on campus to see how disciplines and institutions rhetorically construct what "counts" as knowledge and then presented their ethnography as a documentary film.]
- *Chicago Guide to Communicating Science*
- Condit, *The Meanings of the Gene*
- Cooper, C. & Yukimura, D. "Science Writers' Reactions to a Medical 'Breakthrough' Story." *Social Science & Medicine* 54 (2002): 1887-1896.
- Doyle, *On Beyond Living*
- Dombrowski, *Humanistic Aspects of Technical Communication*, Baywood, 1994. It has chapters on Rhetoric of Science, Social Constructionism (-ivism), Feminism and Gender Studies in TC, and Ethics in TC. Each chapter has an extensive and detailed summary to its area as well as two reprints of major articles by others.
- Englehardt and Caplan, eds. *Scientific Controversies*
- Fahnestock, Jeanne *Rhetorical Figures in Science*
- Fahnestock, Jeanne. "Accommodating Science: The Rhetorical Life of Scientific Facts." *Written Communication* 3.3 (1986): 275-296.
- Fleck, Ludwik *Genesis and Development of Scientific Fact*. [A lesser known but excellent precursor to Kuhn]
- Gadamer, H.G. *Reason in the age of science*
- Gould, Stephen Jay, *Bully for Brontosaurus*
- Gross, *The Rhetoric of Science*
- Gross, *Starring the Text*
- Graves, Heather Brodie *Rhetoric in(to) Science*.
- Harding, Sandra *The Science Question in Feminism*.
- Haraway, *Simians, Cyborgs, and Women*.
- Halliday and Martin, the first section of *Writing Science*
- Harris (1997) has a *Landmark Essays* that's a decent survey (though now a decade old).
- Herndl and Brown. *Green Culture: Environmental Rhetoric in Contemporary America* (1996)
- Hess
- Hutchins, E. *Cognition in the wild*

- Kuhn, *The Structure of Scientific Revolutions*' for sure, and *Scientific Controversies*, a collection of essays.
- Kunda, G. *Engineering culture*
- *Landmark Essays on the Rhetoric of Science*
- *Landmark Essays on Rhetoric and the Environment*
- Lay, Gurak, Gravon and Myntti, eds. *Body Talk: Rhetoric, Technology, Reproduction*
- Lay, M. (1999). "Midwives' Birth Stories: Narratives that Expand the Boundaries of Professional Discourse." In J.M. Perkins and N. Blyler, eds. *Narrative and Professional Communication*. Stamford: Ablex Publishing. 137-150.
- Latour, Bruno. "Morality and Technology: The Ends of the Means." Couze Venn, trans. *Theory, Culture, and Society*. 19.5/6 (2002): 247-60.
- Latour, *Science in Action*. Both get at the social construction of science and how that is largely based on methods of communication of scientific findings.
- Latour, *Biographies of Scientific Objects*
- Latour and Woolgar, *Laboratory Life*
- Lynch and Woolgar, eds. *Representation in scientific practice*
- Montgomery, Scott *The Scientific Voice* looks at how scientific practices are shaped by language and does so across a range of cultures.
- Mulkay, M.. *Science and the sociology of knowledge*
- Munger, R. (2000). "Evolution of the Emergency Medical Services Profession: A Case Study of EMS Run Reports." *Technical Communication Quarterly* 9.3. 329-346. <http://www.attw.org/TCQarticles/9.3/9-3Munger.pdf>
- Nelson, Megill, McCloskey, 1987
- Noble, D. *Forces of production*
- Pickering, A. ed *Science as culture and practice*
- Popper, Karl
- Prelli, Lawrence J. *A Rhetoric of Science: Inventing Scientific Discourse* (Univ. of SC Press, 1989).
- Prelli, (1997). "The Rhetorical Construction of Scientific Ethos." R. Harris, ed. *Landmark Essays on Rhetoric of Science Case Studies*. Hermagoras Press.
- Sauer B. *Rhetoric of risk*
- Scott, *Risky Rhetoric: AIDS and the Cultural Practices of HIV Testing*
- Selzer, ed *Understanding Scientific Prose*
- Simon, H. *Sciences of the artificial*
- Simons, 1990;
- Suchman, L.. *Plans and situated actions*
- *Technical Communication Quarterly* (2005) devoted a special issue to current directions rhetoric of science
- Toulmin, S. *The philosophy of science*
- Wells, *Out of the Dead House*
- Zerbe, Michael *Composition and the Rhetoric of Science: Engaging the Dominant Discourse* (Southern Illinois Press)

Other Notes:

- I have taught a rhetoric of science course to graduate students several times. Here is the link to my syllabus, which also includes links to the reading schedule and the class bulletin board, with my lecture notes for each week. I always have a course pack with articles that consider specific cases in science.
<http://www.faculty.english.ttu.edu/baake/5384/online/text.doc>
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- The "literature versus science" debate between Matthew Arnold and TH Huxley is quite helpful in terms of placing the current science/culture divide (and so is CP Snow), and since the 19th century pieces are oriented to oration, there's a lot of room to read the rhetorical practices. There's also a great new "Literature and Science" series that gathered important pre-1800 texts in science, with volumes organized by theme (physical science, biology, etc), and on-line classics libraries have tons of really early texts (Aristotle, Galen, Democritus) in translation.
- Rhetoric of Incommensurability, Randy Harris, Ed. (2005). Perspectives from people in rhetoric and composition including Charles Bazerman, Carolyn Miller, Jeanne Fahnestock, Alan Gross, and others.