

## Smell Resources

The following is a list of material that I have found interesting and helpful in my research about the human sense of smell. If you have anything to add to the list, or suggestions to make for further reading, please do not hesitate to contact me: [clare.batty@uky.edu](mailto:clare.batty@uky.edu). This is in no way meant to be an exhaustive list.

Some of the sources listed (especially those under the heading 'Philosophical') contain shorter discussions, some even very brief remarks, about smell. In these cases, I have included a note with a page number and a brief description.

### Philosophical

Aristotle. 1984. "De Anima". In *The Complete Works of Aristotle, vol. 1*, edited by Jonathan Barnes. Princeton, NJ: Princeton University Press, 641-692.  
[See *DA* II 9 ; *DA* II 7, 419a33-b1.]

\_\_\_\_\_. 1984. "De Sensu". In *The Complete Works of Aristotle, vol. 1*, edited by Jonathan Barnes. Princeton, NJ: Princeton University Press, 693-713  
[*De Sensu* 2, 438b25; *De Sensu* 3,;440b32; *De Sensu* 5 .]

Bhushan, Nalini. "In Search of a Genuine Smell Illusion". Unpublished manuscript, Smith College, Northampton, MA.

Brentano, Franz. 1995. *Psychology from an Empirical Standpoint*. New York: Routledge.

[In Book Two, I, "The Distinction Between Mental and Physical Phenomena", Brentano draws attention to the view that olfactory objects are not experienced as having extension or spatial location. This view, he tells us, is held by "[a] large number of not unimportant psychologists".]

Chalmers, David J. 1996. *The Conscious Mind: In Search of a Fundamental Theory*. Oxford: Oxford University Press.

[p. 8: Chalmers draws attention to some phenomenological features of olfactory experience.]

Chalmers, David J. 2006. "Perception and the Fall from Eden". In *Perceptual Experience*, Tamar Szabo Gendler & John Hawthorne (eds.), 49-125. Oxford: Oxford University Press.

[p. 112: Chalmers considers whether we assess olfactory experiences for veridicality.]

Clark, Austen. 1993. *Sensory Qualities*. Cambridge: Cambridge University Press.

[p. 140-146: Clark discusses the difficulties in defining the odor quality space.]

\_\_\_\_\_. 2000. *A Theory of Sentience*. Oxford: Oxford University Press.

[p. 79: In a footnote, Clark suggests that the many-properties problem, or binding problem, doesn't arise for olfactory experience.]

Hacker, P. M. S. 1982. "Events and Objects in Space and Time." *Mind* 91: 1-19.

[p. 8: Hacker suggests that we can predicate smells of events and then makes some remarks about the 'source relationship' between smells and material objects.]

Johansen, Thomas K. 1996. "Aristotle on the Sense of Smell". *Phronesis* XLI: 1-19.

Johnston, Mark. 2006. "Better Than Mere Knowledge? The Function of Sensory Awareness". In *Perceptual Experience*, Tamar Szabo Gendler & John Hawthorne (eds.), 260-290. Oxford: Oxford University Press.

[p. 266: Johnston suggests that olfaction presents a counterexample to the view that perceptual awareness can be explained in terms of the acquisition of imaginative capacities.]

Lycan, William. 1996. *Consciousness and Experience*. Cambridge, MA: The MIT Press.

[p. 144-149: In responding to Peacocke's arguments against representationalism, Lycan argues that olfactory experience has layered perceptual content.]

\_\_\_\_\_. 2000. "The Slighting of Smell". In *Of Minds and Molecules: New Philosophical Perspectives on Chemistry*, Nalini Bhushan & Stuart Rosenfeld (eds.), 273-289. Oxford: Oxford University Press.

Matthen, Mohan. 2005. *Seeing, Doing & Knowing: A Philosophical Theory of Sense Perception*. Oxford: Oxford University Press.

[p. 282-285, 288: Matthen suggests that olfactory experience does not represent objects.]

Peacocke, Christopher. 1983. *Sense and Content: Experience, Thought and their Relations*. Oxford: Oxford University Press.

[p. 3: In a very brief remark, Peacocke suggests that olfactory experience may have no representational content. Warning: the text contains an unfortunate typo, with 'the sensation of smell' reproduced as "the sensation of *small*"]

Perkins, Moreland. 1983. "Smell". In his *Sensing the World*. Indianapolis, Indiana: Hackett Publishing.

Plato. 2000. *Timaeus*. Indianapolis, IN: Hackett Publishing Company.

[See 66d-67b. Plato discusses the nature of odors *qua* particulars.]

Quinton, Anthony. 1979. "Objects and Events". *Mind* 88: 179-214.

[p. 203: In a very brief, but very intriguing remark, Quinton suggests that olfactory properties are properties of events.]

Reid, Thomas. 2000. "Of Smelling". In his *An Inquiry into the Human Mind and the Principles of Common Sense*. Edited by Derek R. Brookes. University Park, PA: Penn State Press.

Smith, A. D. 2002. *The Problem of Perception*. Cambridge, MA: Harvard University Press.

[p. 138-140, 143-145: Smith considers whether, and under what circumstances, olfactory experiences exhibit spatiality.]

Tye, Michael. 2002. "Representationalism and the Transparency of Experience". *Nous* 36: 137-151.

[p.142: See Tye (2000) below. Large portions of this paper are taken from Tye (2000), ch. 3 & 4.]

\_\_\_\_\_. 2000. *Consciousness, Color, and Content*. Cambridge, MA: The MIT Press.

[p. 49: Tye argues that the transparency of experience holds for olfactory experience and that representationalism is true of it.]

Urmson, J. O. 1968. "The Objects of the Five Senses." *Proceedings of the British Academy* 54: 117-131.

[p. 118-124: Urmson suggests that smells and sounds are individuals and not properties.]

## **Scientific**

Amoore, John E. 1971. *Chemical Senses*. New York: Springer-Verlag.

\_\_\_\_\_. 1970. *Molecular Basis of Odor*. Springfield, IL: Charles C. Thomas.

Beauchamp, Gary K. and Linda Bartoshuk, eds. 1997. *Tasting and Smelling*. San Diego, CA: Academic Press.

Brewer, Warwick, David Castle and Christos Pantelis. 2006. *Olfaction and the Brain*. Cambridge: Cambridge University Press.

Carterette, Edward C. and Morton P. Friedman, eds. 1978. *Tasting and Smelling*. New York: Academic Press.

Engen, Trygg. 1991. *Odor Sensation and Memory*. New York: Praeger.

Gibson, J. J. 1966. *The Senses Considered as Perceptual Systems*. Boston: Houghton Mifflin.

Keller, Andreas and Leslie B. Vosshall. 2004. "Human Olfactory Psychophysics". *Current Biology* 14: R875-878.

Lorig, T. S. 2001. *Compendium of Olfactory Research: 1995-2000*. Dubuque, IA: Kendall/Hunt Publishing.

McClintock, Martha K. 1999. "Pheromones and Regulation of Ovulation." *Nature* 401: 232-233.

- \_\_\_\_\_. 1983. "Pheromonal Regulation of the Ovarian Cycle: Enhancement, Suppression and Synchrony." In *Pheromones and Reproduction in Mammals*, J.G. Vandenbergh (ed.), 113-149. New York: Academic Press.
- McClintock, Martha K. et al. 2001. "Pheromones and Vasanas: The Function of Social Chemosignals." In *Evolutionary Psychology and Motivation Nebraska Symposium Volume 48*, J.A. French, A.C. Kamil and S.W. Leger (eds.), 75-112. Lincoln, NE: University of Nebraska Press.
- Porter, Jess et al. 2005. "Brain Mechanisms for Extracting Spatial Information from Smell". *Neuron* 47: 581-592.
- Rouby, Catherine et al. (eds). 2002. *Olfaction, Taste, and Cognition*. Cambridge: Cambridge University Press.
- Schab, Frank R. and Robert G. Crowder, eds. 1995. *Memory For Odors*. Mahwah, NJ: Lawrence Erlbaum Associates.
- von Békésy, Georg. 1964. "Olfactory Analogue to Directional Hearing". *Journal of Applied Physiology* 19: 367-373.
- Wilson, Donald A. and Richard J. Stevenson. 2006. *Learning to Smell: Olfactory Perception from Neurobiology to Behavior*. Baltimore: Johns Hopkins University Press.
- Wyatt, Tristram D. 2003. *Pheromones and Animal Behaviour: Communication by Smell and Taste*. Cambridge: Cambridge University Press.
- Other**
- Ackerman, Diane. 1990. *A Natural History of the Senses*. New York: Vintage Books.
- Aftel, Mandy. 2004. *Essence & Alchemy: A Natural History of Perfume*. Salt Lake City, UT: Gibbs Smith.
- Barbara, Anna and Anthony Perliss. 2006. *Invisible Architecture: Experiencing Places Through the Sense of Smell*. Milan: Skira.
- Burr, Chandler. 2002. *The Emperor of Scents: A Story of Perfume, Obsession, and the Last Mystery of the Senses*. New York: Random House.
- \_\_\_\_\_. 2008. *The Perfect Scent: A Year Inside the Perfume Industry in Paris and New York*. New York: Henry Holt.

- Classen, Constance, David Howes and Anthony Synnott. 1994. *Aroma: The Cultural History of Smell*. New York: Routledge.
- Drobnick, Jim (ed). 2006. *The Smell Culture Reader*. New York: Berg.
- Glaser, Gabrielle. 2002. *The Nose: A Profile of Sex, Beauty, and Survival*. New York: Atria Books.
- Herz, Rachel. 2007. *The Scent of Desire: Discovering Our Enigmatic Sense of Smell*. New York: William Morrow.
- Keller, Helen. 2005. *The Story of My Life*. New York: Bantam Books.
- \_\_\_\_\_. 2003. *The World I Live In*. New York: New York Review of Books.
- Le Gu erer, Annick. 1994. *Scent: The Mysterious and Essential Powers of Smell*. New York: Kodansha International.
- Robbins, Tom. 1984. *Jitterbug Perfume*. New York: Random House.
- Sacks, Oliver. 1970. "The Dog Beneath the Skin." In his *The Man Who Mistook His Wife for a Hat and Other Clinical Tales*, 156-160. New York: Harper Collins.
- Silverstein, Alivin, Virginia Silverstein and Robert Silverstein. 1992. *Smell, The Subtle Sense*. New York: Morrow Junior Books.
- [A 'junior book' that is helpful in introducing the science of smell to an unfamiliar reader.]
- Stoddart, David Michael. 1990. *The Scented Ape: The Biology and Culture of Human Odour*. Cambridge: Cambridge University Press.
- Suskind, Patrick. 1986. *Perfume: The Story of a Murderer*. New York: Vintage Books.
- Turin, Luca. 2006. *The Secret of Scent: Adventures in Perfume and the Science of Smell*. New York: Ecco.
- Turin, Luca and Tania Sanchez. 2008. *Perfumes: The Guide*. New York: Viking.
- Vroon, Piet. 1997. *Smell: The Secret Seducer*. New York: Farrar, Straus and Giroux.
- Watson, Lyall. 1999. *Jacobson's Organ and the Remarkable Nature of Smell*. New York: Penguin Books.

### **Internet Resources**

<http://www.cf.ac.uk/biosi/staff/jacob/teaching/sensory/olfact1.html>

<http://www.hhmi.org/bulletin/fall2004/nobel/>

<http://www.hhmi.org/research/nobel/axel.html>

<http://www.hhmi.org/research/investigators/buck.html>

<http://www.hhmi.org/senses/>

<http://www.leffingwell.com/olfaction.htm>

<http://www.monell.org/>

<http://www.nidcd.nih.gov/health/smelltaste/smell.asp>

<http://pondside.uchicago.edu/ceb/faculty/mcclinto.html>

<http://www.senseofsmell.org/>

[http://www.sirc.org/publik/smell\\_contents.html](http://www.sirc.org/publik/smell_contents.html)

<http://www.stacommunications.com/journals/pdfs/diagnosis/diagnosisaugust/olsfactory2.pdf>

<http://www.utmb.edu/otoref/grnds/Olfactory-2003-1126/Olfactory-2003-1126.htm>