

Humans and Animals: Boundaries and Bonds, Sciences and Sites

HOS 596/HIS 596

History of the Life Sciences

Spring 2005; Thursdays, 1:30-4:20

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This course examines recent efforts to historicize the multiple and changing relationships between human beings and (other) animals. What roles have animals played in the human imagination from the early modern period through the end of the twentieth century? How have certain species (indeed, in some cases, certain individual animals) offered distinctive opportunities for the consideration of particular problems—moral, metaphysical, technical, scientific? What has determined the boundaries of categories like “beast,” “pet,” “prey,” and “specimen,” and how have those categories in turn helped maintain (and subvert) the distinction between humans and their animal familiars? Who has claimed to have knowledge of these various and vital creatures, and how have such claims been contested and authorized? What has been at stake? Answering these and similar questions will deepen our awareness of the place of non-human beings in history, and prime our thinking about the shifting character of human-animal relations. Specific issues to be considered include: domestication and hunting, taxonomy and comparative anatomy, zoos and other forms of animal display, ethology and animal behavior, laboratory animals and biomedicine, conservation biology and the rise of conservation politics.

Books to consider buying:

- Anderson, Virginia DeJohn. *Creatures of Empire*. Oxford: Oxford University Press, 2004.
- Coleman, Jon T. *Vicious: Wolves and Men in America*. New Haven: Yale University Press, 2004.
- Guerrini, Anita. *Experimenting with Humans and Animals*. Baltimore: JHU Press, 2003.
- Hanson, Elizabeth. *Animal Attractions*. Princeton: Princeton University Press, 2002.
- Haraway, Donna. *Primate Visions*. London: Routledge, 1989.
- Kete, Kathleen. *The Beast in the Boudoir*. Berkeley: University of California Press, 1994.
- Kohler, Robert. *Lords of the Fly*. Chicago: University of Chicago Press, 1994.
- Latour, Bruno. *We Have Never Been Modern*. Cambridge, MA: Harvard University Press, 1993.
- Livingstone, David. *Putting Science in its Place*. Chicago: University of Chicago Press, 2003.
- Lutts, Ralph, ed. *The Wild Animal Story*. Temple: Temple University Press, 1998.
- Rader, Karen. *Making Mice*. Princeton: Princeton University Press, 2004.
- Ritvo, Harriet. *The Animal Estate*. Cambridge, MA: Harvard University Press, 1987.
- Rothfels, Nigel. *Savages and Beasts*. Baltimore: JHU Press, 2002.
- Serpell, James. *In the Company of Animals*. Cambridge: Canto, 1986.
- Thomas, Keith. *Man and the Natural World*. Oxford: Oxford University Press, 1983.
- Turner, James. *Reckoning with the Beast*. Baltimore: JHU Press, 1980.

WEEK 1:
Introductory and Organizational Meeting
(no reading)

WEEK 2:
Approaches
(problems and methods)

This course is structured in two parts: “Part I – Places” runs from week 3 to week 7, during which we examine five significant sites for human-animal interaction (farm, home, field, zoo, and lab); “Part II – Cases” runs from week 8 to week 12, and permits us to turn to some particular animals and their place in the history of science, culture, and society (dogs and wolves, flies and bees, rats and mice, whales and dolphins, monkeys and Homo sapiens). For our first meeting, then, I thought we would look at two texts: one that will get us thinking about the significance of place in the practice of science; and another that offers a provocation to anyone who thinks they have sorted out the difference between nature and culture. A few additional short things should help spark discussion.

Read:

- Latour, Bruno. *We Have Never Been Modern*. Cambridge, MA: Harvard University Press, 1993.
An ambitious exercise in “symmetrical anthropology” to get us started.
- Livingstone, David. *Putting Science in its Place*. Chicago: University of Chicago Press, 2003.
A new survey of the importance of place in the history of science.
- Daston, Lorraine, and Gregg Mitman. “The How and Why of Thinking with Animals.” In *Thinking With Animals*, edited by Daston and Mitman. New York: Columbia University Press, 2004.
The introduction to a new edited collection.
- Philo, Chris, and Jennifer Wolch. “Through the Geographical Looking Glass: Space, Place, and Society-Animal Relations.” *Society and Animals* 6, no. 2 (1998): 103-117.
A small group of geographers have in recent years tried to establish a kind of new cultural biogeography (I have included a few references below); this introduction to a special issue of this journal offers a plausible review of the program.
- Kafka, Franz. “A Report to an Academy.” In *The Basic Kafka*, edited by Erich Heller. New York: Simon and Schuster, 1979.
I decided to put in two very short literary exercises that explore what Daston and Mitman want to call the “morphos of anthropomorphism.” This is a classic. The Čapek, below, is less well known.
- Čapek, Karel. “Andrew Scheuchzer.” Chapter 9 from his *War with the Newts*. North Haven, CT: Catbird Press, 1990 [1930].
I recommend this whole novel to everyone.

Review/examine:

- Wolch, Jennifer, and Jody Emel, eds. *Animal Geographies*. London: Verso, 1998.
More of the cultural geographers work on humans and animals.
- Philo, Chris, and Chris Wilbert, eds. *Animal Spaces, Beastly Places*. London: Routledge, 2000.
Ditto.
- Noske, Barbara. *Humans and Other Animals*. London: Pluto, 1989.
A different sort of take on "symmetrical anthropology."
- Ingold, T., ed. *What is an Animal?* London: Unwin Hyman, 1988.
This is the first of two books (see below for the other) that came out of a large anthropology conference in Southampton in 1986. There are some interesting things in these volumes, but we are not really going to go this direction. Take a look if you have time.
- Willis, Roy., ed. *Signifying Animals: Human Meaning in the Natural World*. London: Unwin Hyman, 1990.
See above.

**WEEK 3:
The Farm
(the start of Part I – Places)**

This week we consider the first of our significant sites. Under the loose heading of the "farm" we take up the history of domestication and human-animal relations in rural-agrarian settings.

Read:

- Diamond, Jared. *Guns, Germs, and Steel*. New York: Norton, 1997.
Some of you may be familiar with this book. For our purposes I recommend looking at the "Prologue," and "Part II," on the rise and spread of food production. The "Epilogue" is worth a moment, too, since it issues a challenge to historians.
- Thomas, Keith. *Man and the Natural World*. Oxford: Oxford University Press, 1983.
An ambitious and rich survey, full of choice tidbits.
- Anderson, Virginia DeJohn. *Creatures of Empire*. Oxford: Oxford University Press, 2004.
A new look at the nexus of environmental history and colonial processes in North America, with an emphasis on livestock.
- Ritvo, Harriet. *The Animal Estate*. Cambridge, MA: Harvard University Press, 1987.
Read chapter 1, "Barons of Beef," pp. 45-81.

Review/examine:

- Murrin, John M. "'Things Fearful to Name': Bestiality in Early America." In *The Animal/Human Boundary*, edited by Creager and Jordan. Rochester, NY: University of Rochester Press, 2002.
Life on the farm from a different angle.
- Fissell, Mary. "Imagining Vermin in Early Modern England." In *The Animal/Human Boundary*, edited by Creager and Jordan. Rochester, NY: University of Rochester Press, 2002.
The depiction of pest species.

Salisbury, Joyce E. *The Beast Within: Animals in the Middle Ages*. London: Routledge, 1994.

We are not going to have time to reach back this far, but I list this for those of you who are interested.

Fudge, Erica. *Perceiving Animals: Humans and Beasts in Early Modern Culture*. London: Macmillan, 2000.

Chapter 4 in particular would be worth a look.

Clutton-Brock, Juliet. *A Natural History of Domesticated Animals*. Cambridge: Cambridge University Press, 1999.

A recent textbook survey (the second edition).

Zeuner, Frederick E. *A History of Domesticated Animals*. New York: Harper and Row, 1963.

Much of this is somewhat out of date, but there is a sweep of coverage that I have not found elsewhere.

WEEK 4: The Home

This week we take the question of domestication indoors, and into the domestic spaces of an increasingly urbanized modernity. What is the history of pets? How have these creatures figured in larger social, political, and intellectual developments since 1600?

Read:

Tuan, Yi-Fu. *Dominance and Affection: The Making of Pets*. New Haven: Yale University Press, 1984.

Tuan is an acquired taste—an eclectic essayist. Focus on chapters 1, 2, 5, 6, and 9.

Kete, Kathleen. *The Beast in the Boudoir: Petkeeping in Nineteenth-Century Paris*. Berkeley: University of California Press, 1994.

A cultural history of the “kept animal” in France.

Ritvo, Harriet. *The Animal Estate*. Cambridge, MA: Harvard University Press, 1987.

Read chapter 2, “Prize Pets,” pp. 82-121.

Serpell, James. *In the Company of Animals: A Study of Human-Animal Relationships*. Cambridge: Canto, 1986.

Broad brush, and somewhat “activist.” Read parts 1 and 2, as well as chapter 9.

Jones, Susan D. *Valuing Animals*. Baltimore: Johns Hopkins University Press, 2003.

A recent history of the veterinary profession in the United States.

Review/examine:

Ritvo, Harriet. “The Emergence of Modern Pet-Keeping.” In *Animals and People Sharing the World*, edited by Andrew N. Rowan. Hanover, NH: University Press of New England, 1988.

This brief essay was published in several places, and it sketches Ritvo’s larger vision of the history of pet animals. Other things in this edited volume might be worth a look.

- Arluke, Arnold, and Boria Sax. "Understanding Nazi Animal Protection and the Holocaust." *Anthrozoös* 5, no. 1 (1992): 7-31.
There is a fair bit of stuff out there on Nazis and animals, and much of it tries to make connections to the "final solution." I do not feel qualified to judge most of this material, but what I have looked at did not inspire great confidence. If any of you want to work more on this area, the bibliography in this article offers a point of departure.
- Anderson, R.S., ed. *Pet Animals and Society*. London: Tindall, 1975.
A set of conference papers (mostly by vets); very UK-centered; of only modest value.
- Rogers, Katharine. *The Cat and the Human Imagination*. Ann Arbor: University of Michigan Press, 1998.
We are not going to do cats as one of our cases in the second half of the class, so this might be the moment to look at this if you are interested.
- Swabe, Joanna. *Animals, Disease, and Human Society*. London: Routledge, 1999.
Another recent history of veterinary medicine.

WEEK 5: The Field

Forrest, jungle, plains, savanna: these places secrete "wild" animals and those who hunt them. This week we move to peripheral places and look at some decidedly un-domestic (even exotic) species. At issue is the culture of the hunter. How has this activity served in the construction of class, race, gender, and the geopolitics of imperialism? In what ways has this destructive practice shaped the rise of conservation policies (and even conservation biology)?

Read:

- Mackenzie, John M. *The Empire of Nature*. Manchester: Manchester University Press, 1988.
A study of hunting, conservation, and British Imperialism.
- Ritvo, Harriet. *The Animal Estate*. Cambridge, MA: Harvard University Press, 1987.
Read "Part III," pp. 205-288.
- Cartmill, Matt. *A View to a Death in the Morning: Hunting and Nature through History*. Harvard: Harvard University Press, 1993.
A ranging (too ranging?) examination of the meanings and representations of the hunt.
- McCook, Stuart. "'It May be Truth, But it is Not Evidence': Paul du Chaillu and the Legitimation of Evidence in the Field Sciences." In *Science in the Field*, edited by Kuklik and Kohler. *Osiris* 11, 2nd Ser. (1996).
I thought that this might be juxtaposed fruitfully with Mitman's essay on elephants, below. Other things in this Osiris may be of interest to some of you.
- Mitman, Gregg. "Pachyderm Personalities: The Media of Science, Politics, and Conservation." In *Thinking With Animals*, edited by Daston and Mitman. New York: Columbia University Press, 2004.
Something that looks very much like an African trophy hunt is at least partly at issue here, and so is the "hunt" with a camera (see below).

Ryan, James R. "Hunting with the camera': Photography, Wildlife and Colonialism in Africa." In *Animal Spaces, Beastly Places*, edited by Philo and Wilbert. London: Routledge, 2000.

Review/examine:

- Robbins, Louise E. *Elephant Slaves and Pampered Parrots: Exotic Animals in Eighteenth-Century Paris*. Baltimore: Johns Hopkins University Press, 2002.
This is not so much about hunting, as it is about the collection of unusual species. It spans the themes of this week and next (when we turn to cultures and locations of animal display).
- Heninger-Voss, Mary, ed., *Animals in Human Histories: The Mirror of Nature and Culture*. Rochester: University of Rochester Press, 2002.
Part II of this volume contains three essays on the theme for this week: Isenberg on Bison, Steinhart on colonial Kenya, and Rothfels also on African trophy hunting (this last reaches back to the Kafka with which we began; but note that this Rothfels essay is a chapter from a book we will look at next week).
- Lagueux, Olivier. "Geoffroy's Giraffe: The Hagiography of a Charismatic Mammal." *Journal of the History of Biology* 36 (2003): 225-247.
A nineteenth-century episode in line with Robbins' story (above).

WEEK 6: The Zoo

The historical literature on animal display (menageries, zoological gardens, aquariums—not to mention film) is so vast at this point that it would be easy to design a course on this subject alone. I have tried to pare things down to a handful of studies that will hopefully be interesting to compare.

Read:

- Åkerberg, Sofia. *Knowledge and Pleasure at Regent's Park*. Sweden: Umeå, 2001.
A recent dissertation on the gardens of the Zoological Society of London
- Rothfels, Nigel. *Savages and Beasts: The Birth of the Modern Zoo*. Baltimore: Johns Hopkins University Press, 2002.
Germany, animal entrepreneurs, and nature as entertainment.
- Hanson, Elizabeth. *Animal Attractions: Nature on Display in American Zoos*. Princeton: Princeton University Press, 2002.
A look at the United States in the twentieth century.
- Dorinda Outram, "New spaces in natural history," Chapter 15 of *Cultures of Natural History*, edited by Jardine, Secord, and Spary. Cambridge: Cambridge University Press, 1996.
This and the Burkhardt, below, present the museum/menagerie/garden as a distinctive site for the investigation of nature, and different in important ways from the field.
- Burkhardt, Richard W. "Ethology, Natural History, the Life Sciences, and the Problem of Place." *Journal of the History of Biology* 32 (1999): 489-508.

Review/examine:

- Berger, John. "Why Look at Animals." In *About Looking*. New York: Pantheon, 1980.
A thoughtful essay on why zoos fail.
- Hoage, R.J., and William A. Deiss, eds. *New Worlds, New Animals*. Baltimore: Johns Hopkins University Press, 1996.
A very useful collection of essays on zoos and menageries, focused on the nineteenth century.
- Kisling, Vernon N., ed. *Zoo and Aquarium History*. Boca Raton, FL: CRC Press, 2001.
Very global, but also much more uneven.
- Baratay, Eric, and Elisabeth Hardouin-Fugier. *Zoo: A History of Zoological Gardens in the West*. London: Reaktion, 2002.
A recent translation from the French (with remarkable illustrations).
- Loisel, Gustave. *Histoire des Ménageries*. Paris: Octave, 1912.
Two volume classic work. Chapters 16-18 of volume two (which deal with the role of live animal collections in the history of several scientific disciplines) are most relevant for us.
- Benes, Peter. "To the Curious: Bird and Animal Exhibition in New England, 1716-1825." In *New England's Creatures*. Boston: Boston University Press, 1993.
It takes real archival work to recover this sort of early and non-institutional culture of animal display.
- Heninger-Voss, Mary, ed., *Animals in Human Histories: The Mirror of Nature and Culture*. Rochester: University of Rochester Press, 2002.
Part III of contains a pair of relevant essays.
- Rothfels, Nigel, ed. *Representing Animals*. Indianapolis: Indiana University Press, 2002.
Contains essays on a number of themes, including a piece by Desmond on taxidermy.
- Baker, Steve. *Picturing the Beast*. Urbana: University of Illinois Press, 2001 [1993].
More concerned with "representation" (in a culture studies/literary criticism sense) than "display" as such.
- Mitman, Gregg. *Reel Nature*. Cambridge, MA: Harvard University Press, 1999.
This and the two books that follow are for those of you particularly interested in film. (Also see the Siegal piece in the Daston and Mitman edited volume).
- Burt, Jonathan. *Animals in Film*. London: Reaktion, 2002.
- Razac, Olivier. *L'Écran et le Zoo: Spectacle et domestication, des expositions coloniales à Loft Story*. Paris: Denoël, 2002.

Spring Break

WEEK 7: The Lab

For historians of science this is a particularly charged space, and in “Part II” of this course, when we turn to some “cases,” we will keep circling back to animals in the laboratory. For this session, I have emphasized the pre-twentieth-century material, and focused on the vivisection debates.

Read:

- Guerrini, Anita. *Experimenting with Humans and Animals*. Baltimore: Johns Hopkins University Press, 2003.
A survey. Chapters 2-4 are most relevant.
- Turner, James. *Reckoning with the Beast*. Baltimore: Johns Hopkins University Press, 1980.
A history of cruelty and kindness in Victorian Britain (and the United States).
- White, Paul. “The Experimental Animal in Victorian Britain.” In *Thinking With Animals*, edited by Daston and Mitman. New York: Columbia University Press, 2004.
Interesting to read with Holmes’ article on the frog, below.
- Holmes, Frederic L. “The Old Martyr of Science.” *Journal of the History of Biology* 26, no. 2 (1993): 311-328.
From a special issue of the journal dedicated to the “Right Organism for the Job.” We will come back to a few of these pieces, but you might also want to look at the Burian wrap-up essay now.
- Lynch, Michael E. “Sacrifice and the Transformation of the Animal Body into a Scientific Object.” *Social Studies of Science* 18, no. 2 (1988): 265-289.
Should get conversation going...

Review/examine:

- Ritvo, Harriet. *The Animal Estate*. Cambridge, MA: Harvard University Press, 1987.
You might want to look at chapter 3, “A Measure of Compassion,” where Ritvo is in conversation with Turner.
- French, Richard D. *Antivivisection and Medical Science in Victorian Society*. Princeton: Princeton University Press, 1975.
Classic study by a former member of the Princeton program.
- Rupke, Nicolaas A., ed. *Vivisection in Historical Perspective*. London: Croon Helm, 1987.
An enormous amount of detailed stuff.
- Maehle, Andreas-Holger. “Cruelty and Kindness to the ‘Brute Creation’: Stability and change in the ethics of the man-animal relationship, 1600-1850.” In *Animals and Human Society*, edited by Manning and Serpell. London: Routledge, 1994.
I thought this was a particularly strong piece, and, with the emphasis on German material, a healthy corrective to an English bias in most of the English-language literature.
- Harrison, Brian. “Animals and the State in Nineteenth-Century England.” *The English Historical Review* 88, no. 349 (1973): 786-820.
More on the RSPCA; a very early article on this material, now mostly covered in the other things we are reading.

Mitchell, Sally. *Frances Power Cobbe*. Charlottesville: University of Virginia Press: 2004.

Brand new biography of the most visible of the antivivisection activists. I have not had a chance to look at it, but if this is an area of interest, she would be worth attention. I also have a handful of her essays and editorials ("The Ethics of Zoophily," "The Moral Aspects of Vivisection," etc. – ask me for copies.

Lederer, Susan E. "Political Animals: The Shaping of Biomedical Research Literature in Twentieth-Century America." *Isis* 83, no. 1 (1992): 61-79.

Painstaking reconstruction of the careful "censorship" of research reports involving animals.

WEEK 8: Dogs and Wolves (the start of Part II – Cases)

We start on our series of animal "cases" with a pair of creatures that arguably epitomize the categories of the wild and the domestic. The "nature faker" controversy has this pairing very much at its heart.

Read:

Lutts, Ralph, ed. *The Wild Animal Story*. Temple: Temple University Press, 1998.

From part I read items 6, 12, and 13; then read part II.

Coleman, Jon T. *Vicious: Wolves and Men in America*. New Haven: Yale University Press, 2004.

New; I have not yet had a chance to read this, but I thought we would give it a try.

Ritvo, Harriet. *The Animal Estate*. Cambridge, MA: Harvard University Press, 1987.

Chapter 3, "Cave Canem."

Todes, Daniel T. "Pavlov's Physiology Factory." *Isis* 88, no. 2 (1997): 205-246.

I think this is one of the most interesting efforts to put a specific animal in an experimental setting as an agent, rather than an object.

Review/examine:

Haraway, Donna. *The Companion Species Manifesto*. Chicago: Prickly Paradigm, 2003.

We will return to Haraway (on primates) in the last week of the seminar.

Howell, Philip. "Flush and the banditti: Dog-stealing in Victorian London." In *Animal Spaces, Beastly Places*, edited by Philo and Wilbert. London: Routledge, 2000.

Brownlow, Alec. "A wolf in the garden: Ideology and change in the Adirondack landscape." In *Animal Spaces, Beastly Places*, edited by Philo and Wilbert. London: Routledge, 2000.

Thurston, Mary Elizabeth. *The Lost History of the Canine Race*. Kansas City: Andrews and McMeel, 1996.

Journalistic. Of limited value.

Glickman, Stephen E. "The Spotted Hyena." In *Humans and Other Animals*, edited by Mack. Columbus: Ohio State University Press, 1999 (1995).

There are a variety of interesting things in this collection.

Lorenz, Konrad. *Man Meets Dog*. Translated by Marjorie Kerr Wilson. London: Routledge, 2002 (1949).

Lorenz's popular German work. I am not really sure how much time we are going to spend on ethology (it will depend on what you all want to do, and on when Burkhardt's new book appears), but this would be some light reading for this week. Lorenz's still more popular King Solomon's Ring (available on line) might also be worth a look..

WEEK 9: Flies and Bees (and Ants?)

Depending on what people would like to do, we could go several ways this week. Flies are a definite, and I think it would be interesting to pair them with bees, and to read some of the literature on the hive and (gender) politics—even taking some time to look at Mandeville. It is also attractive to draw in some of the von Frisch work with bee dance/language. Then again, it might make more sense to pair Kohler with the new Buhs book on ants and to drop the Mandeville. Let's see where we are when we get there.

Read:

Kohler, Robert. *Lords of the Fly*. Chicago: University of Chicago Press, 1994.

There is a very nice foretaste of this in the JHB issue on the "Right Organism for the Job" (see above).

Merrick, Jeffrey. "Royal Bees: The Gender Politics of the Beehive in Early Modern Europe." *Studies in Eighteenth-Century Culture* 18 (1988): 7-37

Pairs nicely with Allen, below.

Allen, Danielle. "Burning *The Fable of the Bees*: The Incendiary Authority of Nature." In *The Moral Authority of Nature*, edited by Daston and Vidal. Chicago: University of Chicago Press, 2004.

This volume has a great deal of interesting stuff in it.

Mandeville, Bernard. *The Fable of the Bees*. Oxford: Clarendon Press, 1966 (1740).

This text has a complicated publishing history, and there are many editions. Let's say we will all read the opening poem ("The Grumbling Hive") at least.

Review/examine:

Buhs, Joshua Blu. *The Fire Ant Wars*. Chicago: University of Chicago Press, 2001.

Again, we will have to decide how/if we want to fit this in.

Brookes, Martin. *Fly: The Unsung Hero of 20th-Century Science*. New York: Ecco, 2002.

Journalism. The tale of how one fly changed the course of history and...

Crist, Eileen. "Can Insects Speak? The Case of the Honeybee Dance Language." *Social Studies of Science* 34 (2004): 7-34.

Tania recommended the von Frisch Nobel speech for a taste of his work: (<http://nobelprize.org/medicine/laureates/1973/frisch-lecture.html>).

Rogers, Naomi. "Germs with Legs: Flies, Disease, and the New Public Health." *Bulletin of the History of Medicine* 63, no. 4 (1989): 599-617.

liked this—it is a very clear treatment of the transformation in the cultural significance of an animal, a transformation that seems to have happened very fast.

WEEK 10: Rats and Mice

A pairing of particular significance to twentieth-century biomedicine. And yet both animals lived in collective imagination long before they were “whitewashed” by the laboratory. What can be made of the trajectory from vermin to “model organism”?

Read:

- Rader, Karen. *Making Mice*. Princeton: Princeton University Press, 2004.
The “standardization” of a living creature.
- Hendrickson, Robert. *More Cunning than Man*. New York: Stein and Day, 1983.
A social and cultural history of the verminous rat.
- Herzog, Harold. “The Moral Status of Mice.” *American Psychologist* (June 1988): 473-474.
Nothing fancy, but a little informal taxonomy that relates the wild and domesticated animals in an interesting way—I thought it might help us hold our two main readings together.

Review/examine:

- Heninger-Voss, Mary, ed., *Animals in Human Histories: The Mirror of Nature and Culture*. Rochester: University of Rochester Press, 2002.
Part V contains a pair of essays on rodents in the lab. The first is by Rader, and can be skipped, since we are reading the book; the second (by Shapiro) makes the valid (if, perhaps, anticlimactic) point that a good deal of what passes for “science” is of little use/interest to anyone.
- Clause, Bonnie Tocher. “The Wistar Rat as the Right Choice.” *Journal of the History of Biology* 26, no. 2 (1993): 329-349.
Back to the “Right Organism for the Job”; interesting to compare to the Rader.
- Sullivan, Robert. *Rats*. New York: Bloomsbury, 2004.
Yes, it is journalism, but I thought this might raise a few questions about the “field,” since here is a kind of urban fieldwork.
- Herbert, Christopher. “Rat Worship and Taboo in Mayhew’s London.” *Representations* 23 (1988): 1-24.
I thought the Polynesia/“taboo” part of this was absolutely preposterous, but the “Queen’s ratcatcher” at the end almost redeemed the whole thing.

WEEK 11: Whales and Dolphins

These are the creatures that have drawn my attention over the last several years. While there is lots of interesting nineteenth-century material, I think we should focus on the twentieth century for this session (with a little background on the earlier period). The following readings should help us get at the remarkable attention paid to these animals in the post-war era.

Read:

- Ellis, Richard. "Whaling, Traditional." In *Encyclopedia of Marine Mammals*, edited by Perrin, Würsig, and Thewissen. San Diego: Academic Press, 2002.
A brief introduction to nineteenth-century whaling.
- Baker, C.S. "Whaling, Modern." In *Encyclopedia of Marine Mammals*, edited by Perrin, Würsig, and Thewissen. San Diego: Academic Press, 2002.
A brief introduction to twentieth-century whaling.
- Samuels, Amy, and Peter Tyack. "Flukeprints: A History of Studying Cetacean Societies." In *Cetacean Studies*, edited by Mann, Connor, Tyack, and Whitehead. Chicago: University of Chicago Press, 1999.
A valuable historical overview by active scientists in the field.
- Lilly, John C. *Man and Dolphin*. Garden City, NY: Doubleday, 1961.
*A hotly contested figure, Lilly did as much as anyone to stir whales and dolphins into the stew of the counter-culture; this is, in many ways, the book that started it all (the follow-up book of 1967, *The Mind of the Dolphin*, is much more strange).*
- Day, David. *The Whale War*. San Francisco: Sierra Club, 1987.
A look at the campaign to "save the whales." (In many ways this history remains to be written).

Review/examine:

- Mitman, Gregg. *Reel Nature*. Cambridge, MA: Harvard University Press, 1999.
Chapter 7 deals with Flipper and touches on Lilly.
- Payne, Roger S., and Scott McVay. "Songs of the Humpback Whales." *Science* 174, no. 3997(1971): 585-597.
A scientific paper that had resounding popular effects.
- Ellis, Richard. *Men and Whales*. New York: Knopf, 1991.
Encyclopedic, historical, written by an activist-participant in the events of the 1970s.
- Davis, Susan G. *Spectacular Nature*. Berkeley: University of California Press, 1997.
A critical history of Sea World; harkens back to our themes from week 6.
- Schevill, William E., ed. *The Whale Problem*. Cambridge, MA: Harvard University Press, 1974.
A compilation of the scientific problems at stake in population management at a key moment.
- McIntyre [Varawa], Joana., eds. *Mind in the Waters*. New York: Scribner, 1974.
Dolphin hugging festschrift, circa 1970.
- Frohoff, Toni, and Brenda Peterson., eds. *Between Species*. San Francisco: Sierra Club, 2003.
Dolphin hugging festschrift, circa 2000.
- Davis, Susan G. *Spectacular Nature*. Berkeley: University of California Press, 1997.
A critical history of Sea World; harkens back to our themes from week 6.

O'Barry, Richard. *Behind the Dolphin Smile*. Los Angeles: Renaissance Books, 1999 (1988).

This is not a great book (a somewhat ghost-written account of a Flipper-trainer), but we have not spent much time on animal trainers, and they are a very interesting community on whom not much has been written. If you are curious, you might dig out Vicki Hearne's 1994 book, Adam's Task.

Stoett, Peter J. *The International Politics of Whaling*. Vancouver: UBC Press, 1997.
An overview of wrangling in and around the IWC over the last several decades.

WEEK 12: Primates and Naked Apes

In closing I thought it would make sense to take up the animal kinship perhaps most unsettling (most stimulating?) to human sensibilities. But at the same time we will want to try to use the class as something of a wrap-up session, and I thought that returning to the question of anthropomorphism might be a useful way to do that.

Read:

Haraway, Donna. *Primate Visions*. London: Routledge, 1989.

Not easy, but a landmark text in this area.

Ryder, Richard. *Animal Revolution*. London: Basil Blackwell, 1989.

I have not read this, but it looks as if it covers a good deal of terrain, and pays particular attention to the remarkable developments that seem to have followed in the wake of the 1960s. Perhaps this can serve as something of a review, as well as look at "animal rights" in the recent period.

Stevens, H. Peter. "The Familiar Other and Feral Selves." In *The Animal/Human Boundary*, edited by Creager and Jordan. Rochester, NY: University of Rochester Press, 2002.

I thought this was a striking essay, one that put the human-animal boundary in question in a somewhat troubling way.

Review/examine:

Crist, Eileen. *Images of Animals*. Philadelphia: Temple University Press, 1999.

A recent study of anthropomorphism.

Schiebinger, Londa. *Nature's Body*. Boston: Beacon Press, 1993.

Chapter 3 looks in particular at the "Gendered Ape."

Ritvo, Harriet. *The Platypus and the Mermaid*. Cambridge, MA: Harvard University Press, 1997.

Chapter 4, "Out of Bounds," focuses on boundary problems (where humans are concerned).

Burkhardt, Richard W. "The Founders of Ethology and the Problem of Human Aggression." In *The Animal/Human Boundary*, edited by Creager and Jordan. Rochester, NY: University of Rochester Press, 2002.

The value of thinking about the "human animal."

- Lederer, Susan E. "Animal Parts/Human Bodies." In *The Animal/Human Boundary*, edited by Creager and Jordan. Rochester, NY: University of Rochester Press, 2002.
Do we have "interchangeable parts?" Does this matter?
- Sheehan, James J., and Morton Sosna., eds. *The Boundaries of Humanity*. Berkeley: University of California Press, 1991.
Looks at the boundaries from two sides: animal and machine.
- Mitchell, Robert W., Nicholas S. Thompson, and H. Lyn Miles, eds. *Anthropomorphism, Anecdotes, and Animals*. Albany: SUNY Press, 1997.
I thought the Spada essay was clearheaded.
- Mizelle, Brett. "'Man Cannot Behold It Without Contemplating Himself': Monkeys, Apes, and Human Identity in the Early American Republic." *Pennsylvania History* 66 (1999, supplement): 144-173.
An interesting essay with a useful bibliography and some nice visuals.
- Kellogg, W.N., and L.A. Kellogg. *The Ape and the Child*. New York: Whittlesey, 1933.
I am a little hazy on where this fits in (not much dealt with in Haraway, as best I can make out); seems interesting. (And later this guy works on dolphins...)
- Hayes, Cathy. *The Ape in Our House*. New York: Harper, 1951.
Interesting to look at with the Kellogg, above.
- Vercors. *You Shall Know Them*. New York: Little, Brown, 1953.
A translation of the somewhat creepy (and, in my view, crappy) novel Animaux Dénaturés. Certainly on-topic for this week, though—as would be, of course, Boule's La Planète des Singes of 1963.