

Social norms and farm animal protection

Nicolas Delon

New College of Florida

Division of Humanities

ndelon@ncf.edu

Abstract

Social change is slow and difficult. Social change for animals is formidably slow and difficult. Advocates and scholars alike have long tried to change attitudes and convince the public that eating animals is wrong. The topic of norms and social change for animals has been neglected, which explains in part the relative failure of the animal protection movement to secure robust support reflected in social and legal norms. Moreover, animal ethics has suffered from a disproportionate focus on attitudes and individual behavior at the expense of reflection on behavior, social change, and empirical psychology. If what we want to change is behavior on a large scale, norms are important tools. This article reviews an account of social norm that provides insights into the possibility and limitations of social change for animals, approaching animal protection as a problem of reverse social engineering. It highlights avenues for future work from this neglected perspective.

Introduction

Social change is slow and difficult. Social change for animals is formidably slow and difficult, arguably slower than the increasing global trends in meat consumption and intensification of farming practices.¹ Animal advocates and scholars alike have long tried to change attitudes and convince the public that eating animals is wrong. This article sets aside this question,² taking up

¹ This is true in no small part due to upward trends in BRIC countries (Brazil, Russia, India, China) (Anderson and Tyler 2018). Importantly, though, welfare reforms could garner significant support in some BRIC countries (Ibid.). There is some anecdotal evidence that vegetarianism and veganism have increased in some developed countries like the U.K., but the evidence is not conclusive (the numbers remain very low and steady in the U.S., for instance).

² A 2015 Gallup poll (<http://news.gallup.com/poll/183275/say-animals-rights-people.aspx>) found that 32 percent of Americans said they believe “animals deserve the exact same rights as people to be free from harm and exploitation” (up from 25% in 2008), 62 percent say they deserve some protection but can still be used for the benefit of humans, yet only 26 percent are “very concerned” about the current treatment of US farm animals. One possible explanation is ignorance of standard practices. For example, 60 percent of Americans thought that “the majority of pigs raised for pork in the United States have access to the outdoors at least some portion of each day.” (Cummins et al. 2015). In the meantime, while numbers have been up, only between 2% and 6% of Americans *self-identify* as vegetarian or vegan, with many of them actually reporting they not infrequently eat meat (<https://animalcharityevaluators.org/blog/is-the-percentage-of-vegetarians-and-vegans-in-the-u-s-increasing/>).

25 instead the question of how to foster change given the reasonably uncontroversial assumption
26 that we have strong reasons, moral and otherwise, not to cause unnecessary animal suffering and
27 other nefarious (environmental, public health³, and social) consequences of factory farming.
28 Sentient animals, who are capable of pleasant and unpleasant experiences, deserve at least some
29 moral consideration that is incompatible with the treatment to which most currently farmed
30 animals are subject. Readers should note that they can adjust the assumption to whatever
31 baseline of decency they believe is required. Plausibly, *some* social change is required anyway. If
32 readers believe no change is required, then they may be among the targets of this article. This
33 exploratory article seeks to clarify the problem of animal welfare under a new light.

34
35 Why focus on norms? First, it is a neglected topic in the literature on animal rights and animal
36 welfare. This explains in part the relative failure of the animal protection movement to secure
37 robust support reflected in social and legal norms. A related reason is that animal ethics has
38 hitherto suffered from a disproportionate focus on individual attitudes and behavior at the
39 expense of social change and empirical psychology. Recently, however, philosophers have come
40 to terms with this failure and begun to approach animal welfare as a collective action problem
41 (Budolfson 2015; 2016; Nefsky 2018) as well as one of psychology (Caviola et al. preprint;
42 Kasperbauer 2018). This recent literature motivates the present hypothesis, that unless we
43 address animal welfare as a problem of social change, changing individual attitudes toward
44 animals has little chance of effectively helping animals. The harms caused by factory farming,
45 and animal agriculture more generally, are, like many environmental issues, a large coordination
46 problem. Hundreds of thousands may have changed their views and diet after reading Peter
47 Singer's *Animal Liberation*, taking an Animal Ethics class, reading a *go veg!* leaflet or watching
48 a gruesome video. What impact their individual changes had on animal suffering is a distinct
49 question (*hint*: little). Attitudinal change in a context of deeply entrenched anthropocentrism has
50 rather low tractability. Moreover, individual consumers in large-scale collective action problems
51 are largely inefficacious (everyone's minuscule probability of affecting the outcome). Here is
52 another way to capture the problem: even if it's wrong to cause unnecessary suffering to animals

³ This includes contribution to cardiovascular diseases, diabetes, and respiratory illnesses in humans, and antibiotic resistance among farm animals.

and animal agriculture is causing them disproportionate amounts of unnecessary suffering, it does not necessarily follow that it's wrong (for you) to eat animals.

The question is thus not how we can change attitudes but how norms affect behavior and how they can be altered. If behavior is to be changed on a large scale, norms are important tools. But we need to look at other cases of shifts in social norms – e.g., smoking, same-sex marriage, among others – to illustrate their power, the mechanisms that best explain them, and ask if we can expect similar mechanisms at play in the animal case. Such detailed exploration is beyond the scope of the article. Its goal is to describe the problem and suggest future directions for work on the tools of social change for animals. The problem is one of *reverse social engineering*. We look at how norms have produced change in the past and how the norms themselves were produced. This article is a stepping stone into such engineering.

Section 1 describes the current treatment of most domestic animals in the U.S. as a problem of normalization. Section 2 specifies what is meant by social norms, and how recent accounts of social norms shed light on the mechanisms of social change. Section 3 highlights the relevance of these theoretical insights to animal welfare and hints at potential obstacles.

1. The normalization of customary practices

Only a tiny fraction of the animals with whom we interact are *not* raised for food. Writing in 2004, David Wolfson and Marian Sullivan note that, as of 2001, approximately 9.5 billion animals were slaughtered annually in food production in the United States, compared to 218 million killed by hunters and trappers and in animal shelters, biomedical research, product testing, dissection, and fur farms, combined. “From a statistician’s point of view, since farmed animals represent 98 percent of all animals (even including companion animals and animals in zoos and circuses) with whom humans interact in the United States, all animals are farmed animals; the number that are not is statistically insignificant.” (Wolfson and Sullivan 2004, p. 206).

81 This means that 98 percent of the animals Americans interact with have nearly no legal
82 protection.⁴ The federal Animal Welfare Act, which sets basic standards for the care of animals,
83 simply exempts farmed animals. No other federal law applies to *raising* animals. The Humane
84 Slaughter Act is the main piece of federal legislation protecting farmed animals and requires that
85 livestock slaughter “be carried out only by humane methods” to prevent “needless suffering.”
86 But regulations promulgated pursuant to the statute exempt poultry. That is, over 95 percent of
87 all farmed animals (approximately 8.5 billion slaughtered per year) have no federal legal
88 protection from inhumane slaughter. And for those covered, no fines are applicable for violation
89 of the statute and significant penalties are never imposed. (Wolfson and Sullivan 2004, pp. 207-
90 208)

91 Are state legislations more adequate? State anticruelty statutes are criminal statutes covering all
92 animals. For this reason, they are worded “in very broad and largely undefined terms, and do not
93 specifically require affirmative acts, such as adequate exercise, space, light, ventilation, and
94 clean living conditions.” (p. 209) The farming industry is not like other industries, typically
95 governed by regulatory schemes promulgated and enforced by agencies. Anticruelty statutes do
96 not provide for specific welfare regulations, regulatory enforcement of welfare standards,
97 inspections, or responsibility to any state or federal administrative agency. Their enforcement,
98 like other criminal statutes, is left primarily to the police and prosecutors, for whom farming
99 practices usually don’t have priority. Yet, even though it faces nearly zero any risk of
100 prosecution, the industry has challenged these statutes. Since the 1990s, the majority of states
101 with such statutes have persuaded state legislatures to amend them to exempt all (or in rare cases
102 some) “accepted,” “common,” “customary,” or “normal” farming practices. There is no statutory
103 definition of customary practices, but they include such things as intensive confinement
104 (gestation and farrowing crates, veal crates, battery cages), non-anesthetized debeaking,
105 dehorning, and castration, and repeated impregnation. As a result, whatever the industry does
106 determines what is accepted, hence exempted. Customary farming practices are beyond the reach
107 of U.S. courts even while they would be considered cruel, for instance, by current European
108 standards.

⁴ Discussion in this section is restricted to the U.S. context. Where, like in the European Union, animal welfare regulations are more stringent, the problem of farm animal protection is still one of social norms.

To grasp the impact of these legal exemptions, it is worth delving into the concept of normality. Folk conceptions can illuminate an important connection between social norms and normality. Social norms both generate and rely on beliefs that a behavior is normal. Adam Bear and Joshua Knobe conducted a series of experiments examining the folk understanding of normality. They found that people tend to combine a sense of what is typical with a sense of what is ideal (Bear and Knobe 2017a). Normal is a statistical-evaluative complex. One of their examples is, “What is the normal / average / ideal number of hours of TV for a person to watch in a day?” Participants answered differently for each version: “normal” (about 3 hours), “average” (about 4), and “ideal” (about 2.5). This suggests that judgments of normality deviate from the average toward an evaluative standard. Other examples follow this pattern: the normal grandmother, the normal salad, the normal number of students to be bullied in a middle school. These findings illustrate an intriguing feature of our minds— that in our ordinary thinking, we often cannot separate the average from the ideal, the descriptive from the prescriptive. Moral norms (or the ideal) impact the acquisition of normality; conversely, normality (perceived social norms) impacts the acquisition of moral norms.

“The consequences can be serious,” Bear and Knobe (2017b) note. For example, as “President Trump continues to do things that once would have been regarded as outlandish, these actions are not simply coming to be regarded as more typical; they are coming to be seen as more normal. As a result, they will come to be seen as less bad and hence less worthy of outrage.” These findings help to shed a new light on the “normalization” of customary farming practices. The flipside is that this should be true of “any other controversial institution or practice that becomes more widespread”, including same-sex marriage or gender reassignment surgery. Also, despite this ingrained tendency, we are “capable of distinguishing carefully between what is typical and what is good.” Nonetheless, this tendency can override individuals’ reasoning capacities, and judgments of normality are central to various aspects of cognition. The “normalization trap” can therefore be a genuine source of concern as well as positive change (altering perceptions of acceptability—the salience of the ideal—can shift the average by decreasing the likelihood of conformity).

There is evidence of the power of normalization in the case of meat-eating behavior. Jared Piazza et al. (2015) drew on psychologist Melanie Joy’s “Three Ns” theory of “carnism” — i.e. that beliefs that eating meat is *necessary, natural, and normal* are the main justifications that people give for eating animals (Joy 2009). Piazza and colleagues recruited omnivores in the U.S. and asked them “Why is it OK to eat meat?” After categorizing their responses, they found that people actually offered Joy’s three Ns but also frequently a fourth N — eating meat is *nice* (i.e., pleasurable, tasty, etc.).⁵ In studies 3-5, authors also showed that individuals who endorsed the 4Ns tend not to be motivated by ethical concerns when making food choices, are less proud of their animal-product decisions, consume meat and animal products more frequently, and are highly committed to it. The 4Ns can have a strong self-serving, rationalizing power for omnivores. While normality appears to be just a subset of the main justifications for eating meat, social norms are tied to all four justifications, in the sense that they involve both empirical and normative expectations (about what others do and what they consider acceptable). Indeed, necessary, natural, normal, and nice all carry a blend of descriptive and prescriptive elements.

With customary practices and a new account of normality in the background, let us now briefly introduce an account of social norms. Inherent in the account are the causes and consequences of social norms, hence of norm change.

2. What are social norms?

Norms come in various types and shapes. There are norms of etiquette, conventions, rules of games, political norms, and religious, social, and moral norms. There are descriptive and prescriptive norms. While the former capture actual patterns of behavior, the latter are meant to guide behavior. Of course, successful prescriptive norms are also descriptive: they generate general compliance, which in turns reinforces them.

There are also various theories of norms. For present purposes, norms are understood as patterns of behavior and attitudes. They do not merely reflect behavioral regularities but also involve characteristic attitudes that partly explain their presence (i.e. emergence, stabilization, and

⁵ The 4N classification captures the vast majority (83-91%) of offered justifications. “Necessary” was the most widespread, but “Natural” and “Nice” were the most highly *endorsed*.

reinforcement). Such attitudes may contribute to justifying norms, but they may as well reflect perceived justifications of the norms. The relation between explanation and justification is further complicated by the existence of different types of norms. Reasons accepted in the legal domain may be questioned morally; legal reasons may also fail to reflect socially endorsed reasons. So, we can conceive of norms as complexes of behavior and attitudes, and as having effects on behavior, rather than constituted by behavioral patterns, following philosopher Philip Pettit (2002) and a number of legal scholars and social scientists (e.g., Bicchieri 2017; McAdams 2000a; 2000b; 2015; Sunstein 1996). For instance, Pettit’s attitude-based theory “starts with an explanation of why the behavior attracts approval and then invokes the existence of that pattern to explain the appearance of a regularity in that behavior.” (Pettit 2002, p. 280) Since reputation is a good, it can reward (punish) perceived good (bad) behavior. Both agents and their judges can enact such reputational flows unintentionally. This helps to explain the spontaneous emergence and stabilization of norms in societies. On Pettit’s account, a regularity counts as a norm when (i) it is *generally displayed*, (ii) those subject to the norm *generally approve (disapprove)* of others’ conforming (deviating), and (iii) the pattern of approval and disapproval is *part of the explanation of the general conformity* with the regularity (Pettit 2002, p. 279).

Decades of social science have demonstrated that personal attitudes are at best very weakly predictive of behavior. Research shows that “the main variable affecting behavior is not what one personally likes or thinks he should do, but rather one’s beliefs about what ‘society’ (i.e., most other people, people who matter to us, and the life) approves of” (Bicchieri 2017, p. 10). In Bicchieri’s account of social norms, the key mental states are the beliefs and conditional preferences of social actors. Normative social expectations express beliefs about other people’s beliefs about the social acceptability of certain behaviors (p. 12). The importance of social expectations underlines that of *reference networks*, “the range of people whom we care about when making particular decisions”, “against which expectations are set” (p. 14). This could include friends and family, a village, a religious group, people in one’s home country, and so forth. Social norms will change within the reference network.

Bicchieri further distinguishes *descriptive* and *social* norms. *Descriptive norms* are patterns of behavior such that individuals prefer to conform to them on condition that they believe that most

people in their reference network conform to them (empirical expectation). (p. 19) *Social norms* are rules of behavior such that individuals prefer to conform to them on condition that they believe that (a) most people in their reference network conform to them (empirical expectation), and (b) that most people in their reference network believe they ought to conform to them (normative expectation). (p. 35) Expectations affect behavior because the preference for complying is conditional on one's social expectations. Social norms rely on empirical expectations (about what others do), as well as normative expectations (about what others believe one ought to do). Deviating from conventions or customs is inherently costly (driving in the wrong lane, breaking norms of grammar): they are such that it is better to follow them. Social norms are not self-enforcing in this way: sanctions and rewards like appreciation, trust, respect, social identity, and the benefits of coordination can elicit compliance.

In the next section, let us examine how this account of social norms can explain the persistence of our dietary practices, and what room it leaves for social change for animals.

3. Social norms and animals

People's dietary habits are reinforced by both descriptive and prescriptive norms (following the "4Ns"). Not all dietary habits are mere *customs*. Bicchieri describes customs as follows: a pattern of behavior consisting of a self-reproducing collection of similar actions, "such that individuals (unconditionally) prefer to conform to it because it meets their needs." (2017, p. 15) Customs can act as "drags on social change" since, no matter what others do or believe, (perceived) need provides sufficient motivation. Even though eating meat on a regular basis is not a need for most people, it is often perceived as one (i.e. "necessary" in the 4Ns). But, as noted, dietary habits also involve norms further entrenching meat-eating behavior (Joy 2009). We can capture the persistence of eating meat as a social norm, sustained by empirical and normative expectations also expressed by legal and market norms. It is more than a mere custom because the perception of need is not sufficient to sustain the practice. It's only in the context of other beliefs and values that this perceived need acquires normative force. Together, these normative features of omnivore practices constitute a drag on social change for animals.

Furthermore, change is hindered by the phenomenon of *pluralistic ignorance*, whereby people infer that others hold attitudes consistent with their observed behavior. Belief in descriptive norms leads to the (self-serving) belief that the observed behavior is normative and the object of mutual approval, regardless of actual attitudes (Bicchieri 2017, pp. 42-47; Prentice and Miller 1996). For instance, in BRIC countries, people may thus underestimate the level of support among their co-citizens for animal welfare. Anderson and Tyler (2018, p. 8) note that

many people may hold the same attitude while simultaneously believing everyone else holds a different attitude, because no one talks about their privately held beliefs ...

People tend to avoid talking about the welfare of farmed animals, so many individuals may privately hold more pro-animal beliefs than is apparent from their behavior. This information is useful to advocates ... There may be room to increase public support for animal advocacy in [BRIC] countries simply by making people aware that many others also think animal welfare is important.

Pluralistic ignorance may also partly explain the so-called “meat paradox”, i.e. that most people eat meat yet many of them experience moral discomfort when they do (Bastian and Loughnan 2016).

Dietary practices present an astute challenge because they are tied to a variety of domains—taste, tradition, religion, and culture—that involve emotions, rituals, commitments, and values that eschew reasoning and can be central to identities. As Bicchieri notes, “If the issue being discussed is emotionally loaded, as is often the case when discussing core values and especially in cases of moral dumbfounding ... arguing about the issue may prompt the listeners to stonewall the argument.” (2017, p. 159) This suggests that deliberation about eating animals should be sensitive to cultural specificities (also see Bilz and Nadler 2014).

Social norms do not operate in a vacuum. They are part of complex webs of factual and normative beliefs. Empirical investigation could reveal that some moral commitments are more central to people’s identities than various ideological, religious, and cultural commitments. And information about the harms caused by farming as well as deliberation about beliefs and values could lead to revision. For instance, harm appears to be a key anchor across most cultures.

Relying on extensive anthropological literature, Shaun Nichols (2004) argues that harm-norms have been pervasive, albeit with different forms and content, across nearly all human cultures. To the extent that some harm-norms are central to societies, new norms framed in terms of harm have a better chance of spreading and being internalized. Nichols (chapters 6-7) offers a fascinating account of the evolution of such norms, including regarding cruelty to animals over the last few centuries.

Harm is one basis of moral and social norms, but there may be others. According to Jonathan Haidt and colleagues, human morality is determined by six moral foundations: care vs. harm, fairness vs. cheating, loyalty vs. betrayal, sanctity vs. degradation, authority vs. subversion, and liberty vs. oppression, identified from decades of surveys and experiments (Haidt and Graham 2007). Although these are universal foundations, some human groups express some more than others. In American society, Haidt has argued that political liberals prioritize fairness and caring, while conservatives also place importance on loyalty, purity and other values tied to dominance hierarchies (Graham et al. 2009). Graham et al. (2011) found evidence of this asymmetry in twelve different regions of the world. Drawing on this research, TJ Kasperbauer (2018, pp. 153-158) infers that harm to animals is not a priority concern for certain social categories. He further suggests how to tactically motivate support for reforms across political lines: “instead of framing duties to animals in terms of harm (‘Animals must not be made to suffer’) or fairness (‘All sentient beings deserve equal treatment’), duties could be framed in terms of loyalty (‘Americans show compassion toward animals’). And within specific domains of animal use, improved welfare standards could perhaps be framed in terms of purity (e.g., ‘Cruel treatment of livestock makes our food unsafe to eat’).” (p. 190)

So how does change happen? Bicchieri reviews several tools of social change: law, media campaigns (including popular culture and trendsetters), economic incentives, and deliberation, which often perform the double function of changing perceptions of certain practices and their expectations about whether other people will still follow and/or endorse them. These tools have four prerequisites. First, there must be *shared reasons* for the change. A variety of factors can make such reasons emerge or crystallize—technology, factual information, shifts in values or in social expectations. While the power of ethics to effect change is limited, one may hope that

arguments in animal ethics can contribute to those shared reasons, as has, famously, Peter Singer's *Animal Liberation*. Second, we must be *confident that others would act similarly*, otherwise deviation might have negative consequences (exclusion from social benefits, bad reputation, ostracism...). Third, *coordination* is often necessary. With descriptive norms, this is easily achieved by communication within the reference network, but sometimes it is "risky to be a 'first mover'" (Bicchieri 2017, p. 109), unless one is a trendsetter. With meat, we are vulnerable to a typical collective action problem. It's individually more convenient for most people not to make the shift on their own, regardless of the expected benefits of collective change. The fourth prerequisite follows from the need for coordination: *collective change of expectations*. For instance, with water consumption, public reports that consumption is steadily diminishing can help coordinate actions and expectations by raising confidence that one's personal water-preserving efforts will not be in vain. (p. 110)⁶

In sum, changing norms in large-scale collective action problems is itself a coordination problem. Information campaigns, public declarations, and common pledges can help to motivate and synchronize those tempted to deviate and establish new norms (Bicchieri and Mercier 2014). For now, animal welfare may not meet either of these prerequisites.

Future work should look in more detail at when these tools, when the prerequisites were met, effectively produced change, and if the same conditions can be met in the animal case. Case studies include the abolitionist and civil rights movement, the marriage equality movement, and the regulation of smoking, as well as different tactics currently used by the animal rights movement (courts, direct action, grassroots organizing, information campaigns, and legislative lobbying).⁷ Besides, critical attention should be paid to the use of regulatory cost-benefit analysis internalizing "moral commitments," including willingness-to-pay for animal welfare (see Posner and Sunstein 2017; but see Kuenzler and Kysar 2014), nudges and other market-based strategies, the role of shame (Jacquet 2015; but see Nussbaum 2004) and other potential enforcers of social norms like trendsetters like vegan celebrities and judicial activism, as with state ballot initiatives

⁶ For a new norm to emerge, normative expectations have to change first, and empirical expectations follow. To abandon a norm, it is the other way around. (Bicchieri 2017, p. 111)

⁷ For skeptical takes on the power of courts to effect change, see e.g. Bilz and Nadler (2014) and Rosenberg (2008).

(Bollard 2017). Finally, it will be important to separate cases based primarily on self-interest from those based on other-regarding considerations.⁸ For, even though smoking falls into the former category, its moralization owed a lot to the perception that it could harm others (Bilz and Nadler 2014). A similar path might be promising for animal welfare. Of course, social change is only a part of broader societal change including political, economic and technological change. There is all reason to expect that, say, increased bipartisan support and the rise of synthetic animal products could set a new stage for a shift in social norms, and vice versa. Another example is same-sex marriage. Three conditions of the success of the marriage equality movement may, for now, be missing for animals: (i) the presence of many LGBT people in many families across the political spectrum; (2) the existence of norm entrepreneurs in prominent socio-economic positions, who may or often may not have disclosed their homosexuality; (3) the fact that marriage equality didn't require that people change their way of life. Farm animals obviously fail the first two conditions. Animal advocates, however, can fill the spot. And technological change (e.g., cellular agriculture) may at some point make it convenient for many people to abstain from animal products without significantly altering their way of life (Shapiro 2018).⁹ These changes can, in turn, alter both normative and empirical expectations to foster norm change.

This article has described the ways in which animal protection can be fruitfully approached from the perspective of norms. Eating meat is normal. This means that the problem cannot simply be addressed as a problem of attitudinal change. If we can reverse engineer both the current state of affairs regarding animals and relevantly similar examples of social change, then we can uncover potent social tools.

Conflicts of interest

The author declares no conflicts.

⁸ Contrary to animal advocacy, past social movements have involved members of human society, or members of the workforce who have (strictly) economic or productive value (Leiter 2013). Negative attitudes or moral indifference toward members of other species, combined with self-interest, constitute a major hurdle to change which future work needs to grapple with (Caviola et al. preprint).

⁹ One may expect some resistance, based in particular on the “4Ns”, if people see cultured meat as unnatural. Thanks to an anonymous reviewer for making this point.

Acknowledgments

Ideas developed here are indebted to conversations with the faculty of the University of Chicago Law School during the 2017-2018 academic year, especially Brian Leiter and Martha Nussbaum, and with Mark Budolfson, Bob Fischer, Jeff Johnson, and TJ Kasperbauer at the 2018 meeting of the Pacific Division of the American Philosophical Association.

References

- Anderson J and Tyler L (2018) Attitudes towards farm animals in the BRIC countries. [online] Faunalytics. Available at: <https://infogram.com/1p62y3me6en712a5yp0xm1gq1zf3nj9m3mq> [Accessed 16 Oct. 2018].
- Bastian B and Loughnan S (2016) Resolving the Meat-Paradox: A motivational account of morally troublesome behavior and its maintenance. *Personality and Social Psychology Review* 21(3): 278-299.
- Bear A and Knobe J (2017a) Normality: Part descriptive, part prescriptive. *Cognition* 167: 25-37.
- Bear A and Knobe J (2017b) The normalization trap. [online] *The New York Times*. 28 Jan. 2017. Available at: <https://www.nytimes.com/2017/01/28/opinion/sunday/the-normalization-trap.html> [Accessed 16 Oct. 2018].
- Bicchieri C (2017) *Norms in the Wild: How to Diagnose, Measure, and Change Social Norms*. Oxford University Press: Oxford and New York.
- Bicchieri, C and Mercier H (2014) Norms and beliefs: How change occurs. *Iyyun: The Jerusalem Philosophical Quarterly* 63: 60-82.
- Bilz K and Nadler J (2014) Law, moral attitudes, and behavioral change. In: Zamir E and Teichman D (eds) *The Oxford Handbook of Behavioral Economics and the Law*. Oxford University Press: Oxford and New York, pp. 241-267.
- Bollard L (2017) How can we achieve breakthrough change for farm animals? [online] Open Philanthropy Farm Animal Welfare Newsletter. 22 Feb. 2017. Available at: <https://us14.campaign-archive.com/?u=66df320da8400b581cbc1b539&id=e3b556f59d&e=e6ce1e0bf3> [Accessed 16 Oct. 2018].

- Budolfson M (2015) Is it wrong to eat meat from factory farms? If so, why? In: Bramble B and Fischer B (eds) *The Moral Complexities of Eating Meat*. Oxford University Press: Oxford and New York, pp. 80-98.
- Budolfson M (2016) Consumer ethics, harm footprints, and the empirical dimensions of food choices. In: Chignell A, Cuneo T and Halteman M C (eds) *Philosophy Comes to Dinner*. Routledge: New York, pp. 163-181.
- Caviola L, Everett J A C and Faber N S (preprint). The moral standing of animals: Towards a psychology of speciesism. *Journal of Personality and Social Psychology* advance online publication March 2018, doi: 10.1037/pspp0000182.
- Cummins A, Widmar N O, Croney C and Fulton J (2015) Perceptions of United States residents: Animal agriculture and meat products. Center for Animal Welfare Science, Purdue University, RP.2015-04, West Lafayette, IN. June 2015. Available at: <https://www.vet.purdue.edu/CAWS/files/documents/062215-WhitePaperNATIONAL.pdf> [Accessed 16 Oct. 2018].
- Graham J, Haidt J and Nosek B A (2009) Liberals and conservatives rely on different sets of moral foundations. *Journal of Personality and Social Psychology* 96(5): 1029-1046.
- Graham J, Nosek B A, Haidt J, Iyer R, Koleva S and Ditto P H (2011) Mapping the moral domain. *Journal of Personality and Social Psychology* 101(2): 366-385.
- Haidt J and Graham J (2007) When morality opposes justice: Conservatives have moral intuitions that liberals may not recognize. *Social Justice Research* 20(1): 98-116
- Jacquet J (2015) *Is Shame Necessary? New Uses for an Old Tool*. Pantheon Books: New York.
- Joy M (2009) *Why We Love Dogs, Eat Pigs, and Wear Cows*. Conari Press: San Francisco.
- Kasperbauer T J (2018) *Subhuman: The Moral Psychology of Human Attitudes to Animals*. Oxford University Press: Oxford and New York.
- Kuenzler A and Kysar D A (2014) Environmental Law In: Zamir E and Teichman D (eds) *The Oxford Handbook of Behavioral Economics and the Law*. Oxford University Press: Oxford and New York, pp. 748-782.
- Leiter B (2013) The boundaries of the moral (and legal) community, *Alabama Law Review* 64: 511-531.
- McAdams R H (2000a) An attitudinal theory of expressive law. *Oregon Law Review* 79: 339-390.

- 407 McAdams, R H (2000b) A focal point theory of expressive law. *Virginia Law Review* 86: 1649-
408 1729.
- 409 McAdams, R H (2015) *The Expressive Powers of Law: Theories and Limits*. Harvard University
410 Press: Cambridge, MA.
- 411 Nefsky J (2018) Consumer choice and collective impact. In: Barnhill A, Budolfson M A and
412 Doggett T (eds) *The Oxford Handbook of Food Ethics*. Oxford University Press: Oxford and
413 New York, pp. 267-286.
- 414 Nichols S (2004) *Sentimental Rules: On the Natural Foundations of Moral Judgment*. Oxford
415 University Press: Oxford and New York.
- 416 Nussbaum M C (2004) *Hiding from Humanity: Disgust, Shame, and the Law*. Princeton University
417 Press: Princeton.
- 418 Pettit P (2002). *Rules, Reasons, and Norms*. Oxford University Press: Oxford and New York.
- 419 Piazza J, Ruby M B, Loughnan S, Luong M, Kulik J, Watkins H M and Seigerman M (2015)
420 Rationalizing meat consumption. *The 4Ns. Appetite* 91: 114-128.
- 421 Posner E A and Sunstein C R (2017) Moral commitments in cost-benefit analysis. *Virginia Law*
422 *Review* 103: 1809-1860.
- 423 Prentice D A and Miller D T (1996) Pluralistic ignorance and the perpetuation of social norms by
424 unwitting actors. In: Zanna MP (ed) *Advances in experimental social psychology. Volume*
425 *28*. Academic Press: San Diego, pp. 161–209.
- 426 Rosenberg G (2008) *The Hollow Hope: Can Courts Bring About Social Change?* [1991] Second
427 edition. The University of Chicago Press: Chicago.
- 428 Shapiro P (2018) *Clean Meat: How Growing Meat Without Animals Will Revolutionize Dinner*
429 *and the World*. Gallery Books: New York.
- 430 Sunstein C R (1996) Social norms and social roles. *Columbia Law Review* 96: 903-968.
- 431 Wolfson D J and Sullivan M (2004) Foxes in the henhouse: Animals, agribusiness, and the law: A
432 modern American fable. In: Sunstein C R and Nussbaum M C (eds) *Animal Rights: Current*
433 *Debates and New Directions*. Oxford University Press: Oxford and New York, pp. 205-206.