

Index

Page numbers beginning with 333 refer to endnotes.

- Acheson, Dean, 304
- activity, xxv, 41, 83, 84
 - feeling linked to, 46–47, 49, 53, 55
 - interrupted by death, 159–64
 - opportunity for, 1, 56, 80, 86–87, 90, 95, 98, 342
 - shared, 258–60, 265, 266
 - significant, 2, 8, 129–30
 - species specific, xxiii, 3, 12, 66–67, 116–17, 165, 241, 258, 284, 313
 - species uncharacteristic, 33, 108, 139–40, 272–73
 - temporal nature of, 160–61, 164
 - wrongful thwarting of, 2, 5, 8, 116, 118, 165; *see also* injustice
- adaptability, 189
 - of animals, 122, 143, 208, 214–15, 246
 - of humans, 189
- adaptation, 37, 48
- adaptive preferences, 48, 52, 53, 55, 83–84
- Administrative Procedure Act, US (1946), 290
- Aeschylus, 174
- affiliation, social, 117, 237
 - between animals and humans, 81, 219, 256–57
 - as Central Capability, 81, 87, 89, 102, 217, 256, 260
 - within species, 102, 117, 237, 256, 258
 - see also* friendship
- Africa:
 - animal refuges in, 228, 241–42
 - elephants trafficked to zoos from, 231
 - human-elephant conflict in, 189–90
- agency, animal, 52–53, 56, 57, 67, 117, 145, 166, 247, 262
- agency, human, 12, 52, 53, 98, 166, 338
 - collaborators and, 115, 204
 - political, 204–5
- Agriculture Department, Kwa-Zulu Natal, 185
- Agriculture Department, Missouri, 296
- Agriculture Department, US (USDA), 285, 293
 - puppy mills and, 295
- Agriculture Secretary, US, 284
- air, xvi, 232
 - fresh, animals' access to, 165, 204, 283
 - nation-based jurisdictions and, 99, 280
- air pollution, xi, xii, 8, 105, 232, 311
 - birds killed by, xii, xiii, xx, 3, 5–6, 229
 - regulation of, 6, 282
- Akhtar, Aysha, 180
- Ala-Archa national park (Kyrgyzstan), 230, 242, 251
- Alabama, ag-gag laws in, 298
- Alaska Beluga Whale Committee, 304
- Alex (baboon), 255, 268
- Alex (parrot), 143, 275–77
- Alex & Me* (Pepperberg), 275
- Alien Tort Statute, US (1798), 307
- Alter, Robert, 25
- altruism, in animals, 73–74, 109, 337
- Amboseli National Park (Kenya), xvii, 268, 270
- American Kennel Club (AKC), 201–2, 297
- American Society for the Prevention of Cruelty to Animals (ASPCA), 296
- Americans with Disabilities Act, US (1990), 282
- Anarchy* (Nozick), 338
- anger, 10, 15, 89, 133
 - see also* outrage; Transition-Anger
- animal experimentation, xxvi, 64, 165, 173, 177
 - animal rights exempted for, 283
 - Beauchamp and DeGrazia's recommendations for, 181–83
 - in cosmetics industry, 180
 - efficacy debate in, 180–81

- Argos (Odysseus' dog), 193–94, 218
- Aristotle, xiv, 15, 60, 68, 127–28, 137, 151, 258, 263
- on animal motion, 13–14, 118
 - on animals as teleological systems, 59, 65, 66, 126–27
 - on compassion, 12–13
 - eudaimonia* as viewed by, 53
 - on pleasure, 46, 49, 55
 - scala naturae* and, 21–22
 - on sentience of plants, 149
 - on stationary animals, 138, 148, 167
 - on wonder, 10, 11–12
- Arnhem ape colony, 237, 274–75
- Ashoka (Hindu emperor), xi
- Asian songbirds, extinction in wild of, xiii
- Association of Zoos and Aquariums, 242–43
- Australia, xviii, 231, 273
- cat extermination program of, 216–17
 - ICJ suit against JARPA II brought by, 306
- Austria, animal rights in, 300
- baboons, 105
- in human habitats, 252
 - Smuts's friendship with, 101, 256, 266–68, 271
- Balcombe, Jonathan, 141, 168
- Batson, C. Daniel, 14–15
- Bear (dog), 211
- bearbaiting, 64
- bears, 244
- endangered species of, xiii
 - habitat loss of, xii
 - in human habitats, 252
 - in zoos, 244
 - see also* polar bears
- Beauchamp, Tom L., 181–82
- Beck, Glenn, 205
- Becoming Wild* (Safina), 75
- Bedtime for Bonzo* (film), 350
- bees, avoidance learning by, 147
- behaviorism, 120, 134
- beluga whale hunting, 304
- Bendik-Keymer, Jeremy, 11, 334
- Bentham, Jeremy, xxiv, xxv, 50, 55–56, 57, 98, 117, 161, 180, 310, 339
- aggregate of pain and pleasure as social goal of, 47–48, 58
 - on animal rights, 43, 44–45, 64
 - anti-Victorian radicalism of, 45–46, 49
 - famous footnote of, 41–43
 - on killing of animals, 43–44, 51, 154, 165–66, 167, 346
 - love for animals of, 44–45, 313
 - pain and pleasure as the only salient ethical facts for, 40, 41, 44, 46, 48–49, 51, 56, 58, 108, 139
 - women's education activism of, 50
 - see also* Utilitarianism
- Berlin Zoo, 273
- Bill of Rights, US, 106
- biodiversity, xiii, xiv, 111
- birds, 287
- in captivity, 246
 - excluded from Animal Welfare Act, 285
 - killed by air pollution, xii, xiii, xx, 3, 5–6, 229
 - killed by crashing into skyscrapers, xii, 229, 234, 316
 - memory of, 31
 - neocortex lacked by, 142
 - neuroanatomy of, 122, 136, 143
 - as sentient, 119, 142–44
 - singing of, 31, 143–44
 - social learning and bonding by, xiv, 112, 144
 - subjective experiences of, 132
 - temporal awareness in, 167
 - visual system of, 144
- Bird Safe Buildings Act, Illinois (2021), 316
- Blackfish* (documentary), 239, 245, 272, 308
- Blake, William, 225, 250
- bodily integrity, 83, 102
- CA and, 212–13
 - as Central Capability, 81, 88, 102, 234–36
- bonobos, 28, 101
- altruistic behavior by, 74
 - sign language learned by, 33
- Bose, Jagadish Chandra, 149–50
- Botswana, large reserves in, 239, 250
- Bounce (dog), 194
- bowerbirds, 144
- bowhead whales, as endangered species, 304
- Bowring, John, 44
- Bradshaw, Karen, 114
- Braithwaite, Victoria, 131–32, 141, 145, 148, 151
- Britain, Victorian puritanicalism in, 45–46
- Brookfield Zoo (Chicago), 7, 236
- Bryan, William Jennings, 27, 335
- Buddhism, xi, 20–21, 93, 151, 154
- anger and, 15
 - animal abuse banned by, 21, 101
- Bureau of Land Management (BLM), US, 285–86
- Burgess-Jackson, Keith, 207
- Bush, George W., 26
- Butler Act (Tennessee), 26, 335
- California:
- animal rights in, 283
 - confinement crates regulated in, 299, 300

- animal experimentation (*cont.*)
 human and animal lives saved by, 177, 181
 Nuffield Council's guidelines for, 179–81
 pain mitigation in, 178, 181
 regulation of, 179–81
 torment and death of animals in, 177, 178, 278, 305
Animal Legal Defense Fund, Inc. v. Espy, 290
Animal Liberation (Singer), 41, 50–51, 109
 animal reserves, 209, 239
 human management of, 235–36, 247–48
 predation on, 248–51
 tourist clientele of, 237–38, 250–51
 zoos vs., 237, 239, 241–42
 animal rights, xxv, 2, 9, 279–81, 283–84
 theoretical approaches to, *see* Capabilities Approach, for animals; Korsgaard, Christine; *scala naturae*; “So Like Us” approach; Utilitarianism
 and wonder, compassion, and outrage, 2, 9–16
see also justice for animals; law and policy, for animals
 animals, non-sentient, 111
 death as not harmful to, 167
 animals, sentient, xv, xvi, 38, 81, 96, 108, 171
 adaptation by, 48
 agency of, 53, 56, 57, 67, 117, 145, 166, 247, 262
 altruism in, 73–74, 109, 337
 in captivity, *see* zoos
 CA's goals for, 8, 38, 95–96, 97, 118
 as citizens, 77, 115, 195, 204
 cold-blooded, 284
 communication by, xii, 1, 76, 97, 102, 103, 108, 143–44, 164, 261, 264–65, 302
 deception practiced by, 125–26, 137, 264, 345
 dignity of, *see* dignity of animals
 emotions experienced by, xiv, 73, 98, 133–37
 freedom of movement needed by, 4, 56, 98, 108, 165, 178–79, 183, 214–15, 239
 human domination of, xi, xii, 47, 103, 114, 311
 human friendships with, *see* friendship, between humans and animals
 individual, as striving for species-specific flourishing life, xv, xvi, xxi, xxiv, 1, 8, 21, 31, 56, 59, 67, 69, 87, 97, 102, 105, 107, 108, 120, 129, 139, 247
 intelligence of, *see* intelligence, of animals
 justice for, *see* justice for animals
 Kant's views on, 17, 58, 60–64, 66, 77, 78, 114, 117
 killed for food, 154, 177, 303; *see also* factory farm industry; humane animal farming; hunting, traditional culture and; whaling
 lack of legal standing of, xv–xvi, 103, 116, 238, 281, 289–94, 309
 neuroanatomy of, 38, 121–22, 132–33, 136, 140
 neutering and spaying of, 215–17
 play and stimulation needed by, xxv, 1, 98, 218–19, 260
 population control of, 191–92, 254
 as ranked by likeness to humans, *see* *scala naturae*; “So Like Us” approach
 reproduction by, 31, 69, 96, 98, 108, 126, 140, 215–16, 230, 241
 sense perception of, 31, 70, 104, 108, 139, 267
 social learning and bonding by, xiv, xxv, 1, 74, 98, 108, 109, 111–12, 140, 244, 249, 313
 wrongful injury to, xi, 105; *see also* animal experimentation; factory farm industry; habitat, destruction and loss of; hunting; poaching; pollution; whaling
see also specific animals
 animal shelters, 207, 209, 212, 216, 297
 animal species, 110, 180
 diversity and complexity in, xvi, xxi–xxii, 9, 14, 17–18, 20, 31, 33, 41, 81, 96–99, 311
 endangered, 110, 111, 251, 285
 preservation of, 111
 animal species, extinction of, xiii, 303
 ecosystem diversity lost in, xiii, 111
 human causes of, 111
 suffering of individual animals in, xiii, 110–12, 285
 Animal Welfare Act (AWA), US (1966), 284, 290
 enforcement of, 294–95, 298
 factory farms exempted from, 299
 puppy mills in violation of, 295
 Animal Welfare (Sentience) Bill, British, 315
 Anthropocene, 174, 192
 anthropocentrism, 24, 30, 32–33, 34, 36–38, 59, 120, 274, 276, 285, 313
 anthropomorphism, 24, 102, 124–25
 Antigone (Sophocles), 175
 apes, xv, 26, 28, 30, 36
 Arnhem colony of, 237, 274–75
 empathy of, 33
 human friendships with, 274–75
 sign language learned by, 22, 30, 33, 108, 139–40, 272
 social bonding and learning by, 183
 as “So Like Us,” xv, 27–30, 179
 temporal awareness in, 166–67
 in zoos, 242, 244
 Argentina, chimpanzee given legal standing in, 354

- Canada, migratory bird treaties signed by, 287
 "Can Fish Really Feel Pain?" (Rose et al.), 132
 capabilities, 86
 as core entitlements, 80, 106–7
 measuring of, 91
 as opportunities to choose significant activities, 8, 86
 Capabilities Approach (CA), for animals, xxii–xxv, 1, 12, 34, 78, 81, 95, 155, 161, 165, 278
 Central Capabilities and, 112, 233–37
 compassion and, 18, 309
 death of animals and, *see* death, of animals
 endangered species and, 110–12
 interspecies relationships and, 107–8, 114, 266–78; *see also* companion animals
 law and policy and, xxiii, xxiv–xxvi, 78, 81, 95–101, 314
 opportunities for individual sentient animals to flourish as goal of, xxiii, xxiv–xxv, 81, 97, 106–7, 110, 113, 118, 236, 239, 247, 256, 313
 predation and, *see* predation
 sentience as basis for justice in, xxiii, xxv, xxvi, 6, 51, 97, 112–13, 118–20, 138, 153
 species specificity in, 96–99, 101–3, 105, 196
 as theoretical framework for animal justice, 80–81, 95–96, 311–12
 tragic conflicts and, *see* tragic conflicts
 as virtual constitution, 99–101, 115, 118
 wild animals and, *see* wild animals
 wonder and, 17–18, 108, 309
 zoos and, 237–47, 313
 Capabilities Approach (CA), for humans, 17, 82–95, 163
 Central Capabilities in, 80, 88–89, 107
 flourishing emphasized in, 81, 87, 97
 as guide for national constitution-making, 87, 92, 99–101, 106, 115
 Human Development and Capability Association and, 82, 91
 Human Development Reports and, 87
 individual freedom of choice in, 80–81, 86, 90, 196
 individuals as ends in, 83, 86, 95
 Sen as original architect of, 82
 as template for measuring well-being of individual people, 87–92
 Capabilities List, 81, 93, 107, 183, 196, 209, 233
 capital punishment, 15
 cats, 66, 199, 203, 208, 214, 219, 222, 231, 251
 abuse and neglect of, 194, 195, 208, 210
 declawing of, 212
 education and training of, 217
 euthanasia of, 211
 feral, 197; 216
 human relationships with, 107, 193, 195, 200, 203, 277
 mobility needs of, 214–15
 predatory nature of, 248
 spaying and neutering of, 216
 temporal awareness in, 167
 cattle, beef, 167, 253, 286, 299
 see also veal
 cattle, dairy, 155, 167, 169, 220–22
 Cecilia (chimpanzee), legal standing of, 354
 Central Animal Capabilities, 118
 Central Capabilities, 8, 80, 81, 87, 88–89, 102, 108, 112, 217, 219, 234–36, 256, 260
 cephalopods, xiv
 sentience and, 120, 145–46, 167, 181–82
 Cetacean Community v. Bush, 292
 Chateaubriand, François-René de, 225, 226
 Cher, animal-rights activism of, 354
 Cher and the Loneliest Elephant (documentary), 354
 Chicago:
 pet shop requirements in, 296–97
 piping plovers in, 251–52
 tiger hip replacement in, 7, 236
 chickadees, communication systems of, 144
 chickens, 5, 103, 167, 222, 287
 European laws protecting, 300
 exempted from MBTA, 287
 exempted from the Twenty-Eight Hour Law, 299
 free-range, 221
 raised in confinement cages, 299–300
 suffering of, 32, 155, 221, 303
 child abuse and neglect, 9, 74, 187, 195, 203, 209–10, 293
 children, 9, 15, 29, 97–98, 115, 124, 204, 210
 with cognitive disabilities, 97, 139, 156, 198
 curiosity and wonder in, 12, 239, 310
 education of, 90, 176, 208, 217, 239, 256
 legal standing of, xvi, 29, 203, 289–90, 292
 parents' responsibilities to, 207, 228
 play as necessary to, 215, 241
 pre-language perception of, 124
 chimpanzees, 20, 101, 206, 274, 350, 354
 altruistic behavior by, 74
 human tricks learned by, 272
 sign language learned by, 33, 139–40
 social bonding and learning by, 75, 244–45, 274–75, 276
 van Hooft's friendship with, 274–75
 Wise's activism for, 28–29, 30, 34
 Chippewa people, 185, 189

- Chopra, Sudhir, 187–88
- Christianity, 24–26, 187, 313
 evolution and, 26–27
 influence of Stoicism and Judaism on, 22–23
 scala naturae and, 23
 Scholasticism and, 22
- Chrysippus, 23–24
- Cicero, xxiv, 24, 250, 258
- circus animals ruled persons in India, 30, 238, 290
- circuses, 238–39
- CITES (international treaty), as weak and unenforced, xiii–xiv
- citizenship, citizens, 17, 53, 77, 93–94, 95, 97–98, 202–3, 204, 289, 316
 governments' responsibilities to, 53, 80–81, 90, 95
- citizenship for animals, 73, 115, 204, 221, 222, 224
 as active vs. passive, 73, 77, 109, 117, 195, 204–5
 animals' responsibilities in, 206–7
 companion animals and, 195, 204–5, 206, 208, 222
 human collaborators in, 205
 wild animals and, 224, 280
- Clean Air Act, US (1970), xx, 6, 282
- climate change, human causes of, 232, 235
- climate disasters, 104
- cockfighting, 64
- Colombia, animals' legal standing in, 290, 315–16
- Coming of Age with Elephants* (Poole), xvii, 268–69, 270
- Commerce Department, US, 286–87
- companion animals, xiv, xv, xvi, 3, 7, 105, 164, 193–222, 248, 293, 313, 352
 abolition idea for, 199–202, 222
 citizenship for, 195, 204–5, 222
 education and training of, 208, 217
 feral, 197, 216
 fiduciaries for, 294
 health insurance for, 210
 human friendships with, 262–66
 human relationships needed by, 22, 107–8, 140, 196, 203, 277
 humans' responsibility to, 206–8
 legal obligations of, 114–15, 206
 legal standing lacked by, 204
 mobility rights for, 214–15
 neglect and abuse of, 3, 99, 105, 194, 195, 203–4, 210–11, 311
 neutering and spaying of, 254
 prehistorical domestication of, 197–98, 200, 222
 regarded as ends rather than property, 194–95, 202–7
 stimulation and play needed by, 218–19
 see also cats; dogs; horses
- compassion, 2, 8, 9, 12–15, 16, 56, 64, 113, 137, 257, 309, 310, 311, 317
 in animals, xiv, 133–34
 in CA, 18
 ethically directed, 9
- Cone, Ed, xx–xxi, 262
 dogs' friendships with, 262–66
- confinement crates, 299–300
- Congress, US, 295
 Animal Welfare Act passed by, 284
 and legal standing of animals, 290, 293, 309
- "Conjectures on the Beginnings of Human History" (Kant), 63
- Constitution, Illinois, 297
- Constitution, Indian, 20, 92, 290
- Constitution, South African, 92, 185
- Constitution, US, 297
 Article III of, 290, 292, 293
 First Amendment to, 336
- constitution, virtual:
 as template for animal rights, 99–101, 115, 118, 279
 as template for constitution-making, 92, 99
- constitutions, national, 61, 88, 94
 CA as guide for, 81, 99–101
 Central Capabilities list and, 90, 106
- control over one's environment, as Central Capability, 89
- Convention on the Elimination of All Forms of Discrimination Against Women (CEDAW), 280
- Cornell Lab of Ornithology, xix
- corporations, legal personhood extended to, 28–29
- corvids, 144, 277
 deception practiced by, 137, 345
 tool use by, 143
 see also crows; magpies
- cougars, in human habitats, 252
- Council of Europe, 213
- COVID-19 pandemic, xxiii, 7, 37, 208, 217
- coyotes, 214
 in human habitats, 190, 252, 253
- crabs, 146
- creation science, 26
- creation story, Judeo-Christian, 24–26
 evolution theory and, 26–27
- Critique of Practical Reason* (Kant), 60
- Crow people, 188

- crows, 246
 deception practiced by, 125, 137
 problem solving by, xiv
 tool use by, xiv
 see also corvids
 crustaceans, sentience and, 120, 146, 167
 cultural tourism, 188–89
 curiosity, 11, 108, 259
 of animals, 56, 218–19
 of children, 12
 lack of, 272, 273–74
 about other animals, 41, 78, 108, 259, 267, 271, 272
 wonder and, 10, 14, 16, 41, 108

 “Damage of Death, The” (Nussbaum), 160, 162
 Damasio, Antonio, 134–35
 D’Amato, Anthony, 187–88
 Dante Alighieri, 310
 Daphne (baboon), 255, 268
 Darrow, Clarence, 27, 335–36
 Darwin, Charles, 26
 Darwin, Erasmus, 149
 Davidson, C. Girard, 304
 Dawkins, Marian Stamp, 130
 DC Circuit Court of Appeals, Migratory Bird Treaty Act and, 288
 death, of animals, 70, 133
 Bentham on, 42–44, 154, 165–66
 euthanasia and, 156, 164
 harm of, xxv, 153, 164–69, 170
 interruption argument and, 165–69
 killed by hunting and whaling, *see* hunting; whaling
 killed for food, 155, 165, 184; *see also* factory farm industry; humane animal farming
 killed in experiments, *see* animal experimentation
 painless, 43, 154, 169, 171, 184
 premature, 220
 in the wild, 223, 247–52
 death, of humans, 156–64
 afterlife question and, 93, 157–58
 Epicurus on, 156–59
 fear of, 137, 157
 harm of, xxv–xxvi, 153, 154–64
 interruption argument and, 159–64, 165, 166
 Lucretius on, 156–59
 deception, 61, 125, 126
 practiced by some animals, 125–26, 137, 264, 345
 deer, in human habitats, 252
 DeGrazia, David, 181–82
 de Lazari-Radek, Katarzyna, 338

De Motu Animalium (Aristotle), 14
 Denmark, whale meat sold in, 185–86
 Denver University, xxiii
Descartes’ Error (Damasio), 134
 de-Shalit, Avner, 87
 Detroit Zoo, 243
 Devlin, Lord, 187
 de Waal, Frans, 33, 74, 75, 101, 134, 136, 142, 183, 240, 274–75
 Dickens, Charles, 85
 dignity, 36, 53, 56, 92, 95, 170, 342
 in CA, 83, 91, 95
 in Chippewa culture, 185
 in Kantian philosophy, 35, 58, 60, 81, 83, 91, 92
 Mill on, 166
 dignity of animals, 56, 57, 67, 96, 112, 192, 262, 337
 in CA, 81, 95–96, 100, 108–9, 112, 113
 Korsgaard on, xxv, 70, 79, 81, 92, 108–9
 Mill on, 53
Disadvantage (Wolff and de-Shalit), 87
 District Court for the Southern District of Ohio, hippos recognized as legal persons by, 315–16
Do Fish Feel Pain? (Braithwaite), 132
 Dog Mother Rescue Society, 297
 dogs:
 adoption of, 201, 203
 aesthetic inbreeding in, 201–2
 altruism in, 109
 in ancient Greece, 194
 deception practiced by, 125
 education and training of, 74, 208, 217
 euthanasia of, 211
 hearing of, 31
 human community of, 139–40, 197, 200
 human friendships with, 262–66, 271, 277
 human obligations to, 207–9
 interaction and affection needed by, 107, 139, 208
 mobility needs of, 207, 214–15, 284
 neglect and abuse of, 195, 203–4, 210
 regarded as property, 202–3
 social learning by, xiv
 stimulation and play needed by, 218–29
 tail-docking of, 212–13
 temporal awareness in, 167
 working, 201, 217–18, 245
 see also puppy mills
Dogs Who Came to Stay, The (Pitcher), xx, 255
 Dolphin Reef (Israel), 246
 dolphins, 28
 in captivity, 245–46
 echolocation by, 37, 96

- emotional capacity of, 337
- human behaviors learned by, 33, 245, 273
- human interactions with, 272–73
- injured or killed by some tuna fishing practices, 35
- intelligence of, 246
- large space needed by, 246
- neuroanatomy of, 38
- problem solving by, xiv
- social learning and bonding by, 75, 111, 245, 257–58, 273
- White and, 34–38
- Dominion* (Scully), 25–26, 186
- Donaldson, Sue, 195, 204, 205, 214, 215, 217, 220, 221, 348
- Dörflein, Thomas, 273
- Dougherty, Michelle, 302
- Douglas, William O., *Sierra Club v. Morton*
 - dissent of, 292
- droughts, 232, 235, 247
- ducks, 287
 - force-feeding of, 299
- Earth, human domination of land, sea, and air
 - on, xi, 8, 104, 224, 228–29, 254, 311
- East India Company, British, 52, 339
- echolocation, 37, 96, 257
- economics, development, 82
 - CA and, 81
 - GDP and, 82–83, 85, 91
 - measuring capabilities in, 91
 - Utilitarian, 83–84, 339
- ecotourism, 190, 239, 283
- education, 53, 83, 87, 92
 - in CA, 88, 177, 256
 - as capability enhancer, 87
 - of children, 90, 176, 208, 217, 239, 256
 - of companion animals, 206, 208, 217
 - as historically denied to women, 48, 84
 - population control and, 191
- Effi Briest* (Fontane), 76
- Eighth Circuit Court of Appeals, Migratory Bird Treaty Act ruling of, 288
- Elephant Ethogram (Poole), 102
- elephants, 28, 101, 102, 105, 228
 - affiliation among, 257, 269
 - in captivity, 242–43, 271
 - communal child-rearing by, 96, 260, 269, 273
 - empathy of, 33, 270
 - grieving by, 77
 - habitat loss of, xxi, 189, 282–83
 - hearing of, 31
 - killed by trains, 340
 - poaching of, xii, 105, 111, 190
 - Poole's relationship with, 268–69
 - space needed by, 190
 - temporal awareness in, 166–67
 - threatened and endangered species of, xiii
- Elk Grove Unified School District v. Newdow*, 289
- elks, overpopulation of, 253–54
- Elliot (Damasio's patient), 135–36
- Elwood, Robert, 146
- emotions:
 - in animals, xiv, 73, 98, 133–37, 140
 - as Central Capability, 88–89
 - as connected to our personal well-being, 10
 - eudaimonistic, 10, 14
 - evolutionary role of, 129, 134, 135–36
 - feelings vs., 134, 136
 - frontal lobe as center of, 136
 - moral, 9
 - see also compassion; outrage; wonder
- empathy:
 - of animals, 30, 33, 134, 270, 337
 - in human-animal relationships, 259, 262, 264–65, 271, 272
 - of humans for animals, 70–71, 76, 259, 271, 272
- Empedocles, vegetarianism of, 21
- Empress of Blandings (sow), xviii–xix, 3, 5, 10, 128, 130, 131, 313
- Endangered Species Act (ESA), US (1973), xiii, 285, 298
- Epicurus, Epicureans, 22, 156–59, 160, 161, 168
 - on afterlife, 157–58
 - on fear of death, 156–57
- Escobar, Pablo, 315
- Establishment Clause, 336
- "Ethical Consistency" (Williams), 346
- ethics, ethical concern, 16, 93
 - for animals, xi–xii, xiv–xv, xxv, 19, 21, 149, 152–53, 154–56, 181, 188, 202, 208, 253; see also Capabilities Approach, for animals; Korsgaard, Christine; *scala naturae*; "So Like Us" approach; Utilitarianism
 - of animals, 6
 - Christian, 22, 45
 - Kantian, see Kant, Immanuel; Kantian philosophy
 - tragic conflict and, xxvi
 - wonder, compassion, and outrage in, 2, 9, 11–12, 116
- eudaimonia, 10, 14, 53
- European Convention for the Protection of Animals Kept for Farming Purposes (1976), 300

- Every Twelve Seconds: Industrial Slaughter and the Politics of Sight* (Pachirat), 299
- evolution theory, 20, 26–27, 126, 335
- factory farm industry, xxi, 26, 47, 172, 249, 278, 298–301, 314
- ag-gag laws and, 103, 290–91, 298–99, 301
- animal rights exempted for, 283, 285, 298, 299, 300, 309
- gestation crates used in, xix, 155, 299
- horrific conditions in, xii, 155–56, 165, 311, 313
- pain and torture in, 103, 154, 155
- regulation of, 295
- Fahey, Eugene, 34
- famine, 247, 254
- fear, 10, 314
- Fechner, Gustav, 149
- feelings, emotions vs., 134, 136
- Fellow Creatures* (Korsgaard), 17, 59
- “Fellow Creatures” (Korsgaard-Tanner Lectures), 59, 69, 71
- “Fertility and Coercion” (Sen), 191
- fiduciaries, duties of, 293–94
- fires, human causes of, 232
- First Amendment, 336
- fish, cartilaginous, 120, 344
- pain not felt by, 141–42
- fish, teleost, xiv, 169–70, 344
- intelligence of, 141
- neuroanatomy of, 132
- pain felt by, 131, 132–33, 168
- as sentient, 119, 141–42, 151
- temporal awareness lacking in, 168
- Fish and Wildlife Service, US, 286–87
- fishing, recreational, 64, 170–71, 227
- floods, 232, 235, 247
- Fontane, Theodor, 75–76
- Formula of Humanity, of Kant, 61
- Formula of Universal Law, of Kant, 61
- Forster, E. M., 226
- Four Stages of Cruelty, The* (Hogarth), 64
- Francione, Gary, 199, 201
- freedom of association, 103
- freedom of movement, 4, 48, 56, 98, 108, 165, 178–79, 183, 214–15, 229, 239, 284
- freedom of religion, 91, 95
- freedom of speech, 87, 91, 103
- freedom of the press, 87, 103
- friendship, among humans, 53, 258, 260–61
- language and communication in, 260–61
- play in, 260
- trust and co-presence over time in, 260
- friendship, between humans and animals, 255–57, 262–77
- communication in, 261, 264–65
- co-presence over time in, 266, 270
- empathy in, 259, 264–65
- play in, 260
- respect for diverse forms of life as crucial in, 258–59, 260, 271, 277
- Friends of Animals, xxii, xxiii, 216, 243–44, 334, 349
- Frontiers of Justice* (Nussbaum), xxiii–xiv
- Fungie (dolphin), 106, 107
- fur industry, 47
- Furley, David, 159–60
- Gage, Phineas, 134–35, 136
- Gandhi, Mohandas K., 226
- Gandhi, Sanjay, 199
- geese, force-feeding of, 299
- Genesis, Book of, 25, 27, 335
- Genesis story, 24–25
- Georgia, puppy mills in, 296
- gerbils, 222
- German shepherds, 201, 211
- gestation crates, xix, 3, 63, 105, 299
- giraffes, 244
- global warming, 111, 282
- Godfrey-Smith, Peter, 101, 145, 266
- Goethe, Johann Wolfgang von, 225
- gorillas, altruistic behavior in, 74
- Gould, Ronald, 116–17, 343
- governments, 228
- CA as guide for constitution-making of, 87, 92, 99–101, 106, 115
- securing capabilities for all as responsibility of, 92, 95, 279–80
- gratitude, 64, 89
- gray whales, as endangered species, 304
- gray wolf, as threatened species, xiii
- Great Barrier Reef, xviii
- Greece, ancient:
- afterlife as viewed in, 157–58
- dogs respected in, 194
- friendship as viewed in, 261
- philosophers of, xi, 11–12, 21–22, 46; *see also* Stoics, Stoicism; *specific philosophers*
- Greek tragedy, 174, 188, 346
- Greenland, whale meat sold in, 185
- grief, grieving, 10, 89
- by elephants, 77
- gross domestic product, 82–83, 85
- Group Elephant, 347–48, 349

- habitat, 48, 111, 114, 223, 236–37, 285
 - destruction and loss of, xi, xii, xxi, 8, 32, 103, 105, 111, 229, 288, 311
 - human control over, 104, 229, 231
 - human stewardship of, 230, 232–33, 235, 282–83, 285
 - shared by humans and animals, 189–92, 236, 252–53
 - zoos and, 237–39
- Hal (humpback whale), xvii–xviii, 3, 5, 7, 9, 229, 313
- hamsters, 222
- Hard Times* (Dickens), 85
- Hardy, Thomas, 226
- Hare, R. M., 154, 168
- Harris, Michael, xxii, xxiii, 334
- Harvard Law School, 28
- health, bodily, 53, 66, 83, 84, 112, 177, 228, 236
 - as Central Capability, 81, 88, 102
 - for companion animals, 201–2, 209–10
 - education and, 87
 - for wild animals, 234–35
- health, mental, 183, 234, 284
- Hegel, G. W. F., 175–77, 188
- Heraclitus, 10
- hermit crabs, 146
- Hinduism, 20–21, 154
- Hinerfeld, Daniel, 302
- hippos, recognized as legal persons by US
 - District Court for the Southern District of Ohio, 315–16
- History of Nantucket, The* (Macy), 301–2
- Hobo K-9 Rescue, 297
- Hogarth, William, 64
- Holland, Breena, 188
- Hollingsworth v. Perry*, 289
- homophobia, 46
- hope, 314–15
- Hopkins, Brian, 297
- horses, 218, 245
 - human relationships with, 107, 220
 - temporal awareness in, 167
 - thoroughbred, 220
- horses, wild, 190, 197, 229, 253
 - threats to, xxii, 285–86
- Howards End* (Forster), 226
- Human Development and Capability Association (HDCA), xxiii, 82, 91, 191, 334
- Human Development Reports, UN
 - Development Programme, 82, 87
- humane animal farming, 155–56, 165
 - adulthood principle in, 165, 167
 - cost of, 184
 - humans' conflict of interest in, 170
- Humane Methods of Slaughter Act, US (1958), 299
- Humane Society of the United States, puppy mills monitored and opposed by, 295, 296
- human rights, 100, 106, 112
 - Mill on, 53–54
- human rights movement, international, 91
 - weak laws and enforcement of, 279–80, 307
- humans:
 - altruistic behavior in, 74
 - animal friendships with, 255–61
 - animal nature of, 13, 45–46, 81
 - animals dominated by, xi, xii, 47
 - capacity for deliberate malevolent intent of, 6, 31, 75
 - capacity for ethical reflection and choice of, 65–66
 - death of, 156–64
 - dignity of, 96
 - domination of Earth by, 8, 19, 224, 228–29, 254, 311
 - emotions in, *see* emotions
 - as ends rather than means, 86, 91–92
 - friendship among, *see* friendship, among humans
 - friendship between animals and, *see* friendship, between humans and animals
 - hearing of, 31
 - instinct in, 75
 - IQ of, 31
 - language of, 31, 123–25
 - as morally responsible for other sentient animals, xii–xiii, xv, 97
 - neuroanatomy of, 121–22
 - population control and, 190–91, 235, 254, 283
 - securing and protecting animal capabilities as
 - collective obligation of, 207–8, 314
 - social learning by, 75
 - as striving individuals, 83, 84, 120
 - as teleological, 342
 - as temporal beings, 160–61, 163–64
 - as thwarting the striving of other sentient animals, xv, xvi, 9, 90, 100
- humans with cognitive disabilities, 97–98, 115, 198
 - legal standing of, xvi, 29, 104, 290, 292
 - rights of, 203, 204, 280
- hunting:
 - recreational, xxi, 64, 171, 172, 187, 227, 232, 234, 247, 254, 278, 311
 - traditional culture and, 177, 185–89, 304
- hyenas, 244

- Iceland, whaling by, 305
 Idaho, ag-gag laws struck down in, 298
In Defense of Dolphins (White), 34–38
 India, 176
 circus animals ruled “persons” in, 20, 238, 290, 354
Inherit the Wind (Lawrence and Lee), 336
 injustice, xxii, xxv, 1–3, 4, 16, 114
 sentience and, 6, 51, 97, 113, 118–19, 138–40, 152–53; *see also* sentience
 theoretical approaches to, *see* Capabilities Approach; Korsgaard, Christine; *scala naturae*; “So Like Us” approach; Utilitarianism
 wrongfull thwarting as, 1–2, 4–5, 6–8, 118, 153
 see also justice; justice for animals
 insects, 11, 120, 252
 pain not felt by, 147
 sentience and, 167
 Institute of Cetacean Research (ICR), 306–7
 intelligence, 23, 25, 73, 134
 of animals, xii, xiv, xv, xx, xxvi, 34, 36–38, 65–66, 72–73, 121, 128, 136, 141–43, 146, 167, 186, 240, 244–46, 270, 273, 276, 301, 314
 intelligent design, 26
 Interior Department, US, 286–87, 293
 Interior Secretary, US, 287, 288
 International Convention for the Regulation of Whaling (ICRW), 185, 304
 International Court of Justice (ICJ), JARPA II ruling of, 306
 International Whaling Commission (IWC), 5, 100, 304, 305, 306, 307, 308
 inter-species relationships, 107–8
 see also companion animals; friendship, between humans and animals
 Inuit people, 189, 308
 whaling by, 186–87, 308
 invertebrates, xiv, xv, 8
 Iowa:
 ag-gag laws in, 298
 animal-cruelty law exemptions in, 300
Ivory Game, The (documentary), 239
 ivory trade, xvii

 J.A.K.’s Puppies, 297
 James, Henry, 124, 163
 Janáček, Leoš, 162
 Japan:
 migratory bird treaties signed by, 287
 whaling by, 5, 305, 306
 Jean-Pierre (house finch), xix–xx, 3, 5–6, 7, 10, 229, 282, 288

 jellyfish, sentience and, 148
 Johnson administration, 284
 Johnston, Velma Bronn, 285
 Judaism, 22–23
Jude the Obscure (Hardy), 226
 Jurnove, Marc, 291–92
 justice, xxi, 1, 2, 95
 CA as theoretical framework for, *see* Capabilities Approach, for humans
 “global,” 314
 see also injustice; law and policy, for humans
 justice for animals, 81, 152–53, 314
 flourishing vs. impeded lives in, xxi–xxii, 153
 global, xvi
 gradualism vs. revolutionism and, 171–72
 human collective responsibility to, 16
 Rawls on, 9
 sentience as basis for, 51, 97, 113, 118–19, 138–40, 152–53; *see also* sentience
 theoretical approaches to, *see* Capabilities Approach, for animals; Korsgaard, Christine; *scala naturae*; “So Like Us” approach; Utilitarianism
 tragic conflict in, 173–92
 see also animal rights; law and policy, for animals

 Kaavan (elephant), legal standing of, 354
 Kansas:
 ag-gag laws struck down in, 298
 puppy mills in, 296
 Kant, Immanuel, 29, 75, 315, 339
 Categorical Imperative of, 60–63
 on humans as ends in themselves, 57–58, 61–63, 203, 258
 on humans’ rights, 113–14
 on killing of animals, 64
 non-human animals as viewed by, 17, 58, 60–64, 66, 77, 78, 114, 117
 on suicide, 339–40
 Kantian philosophy:
 dignity in, 35, 36, 58, 60, 81, 91, 92
 Korsgaard and, xxv, 17, 57–79, 81, 108, 312–13
 White and, 35, 36
 Keller, Helen, 139
 Kenya:
 Amobseli National Park in, 268
 large reserves in, 239
 Kerala, India, 176, 354
 killing of animals, 164–69, 283
 Animal Welfare Act and, 284
 Bentham on, 43–44, 154, 346

- in cultural practices, 185–89
- for food, xii, 155, 165, 168–70, 303; *see also* factory farm industry; humane animal farming
- humane, 155, 165, 168–70, 171–72, 188, 249, 338
- Kant on, 64
- Korsgaard on, 154
- in predation, 7, 155, 248–52
- regulations against, 283–88, 304, 315–16
- for research, 177, 178, 278, 305–6
- in self-defense, 167, 216–17
- Singer on, 51, 154, 338
- Knut (polar bear), 244, 273–74
- Korsgaard, Christine:
 - on animals as ends in themselves, 69–71, 92, 94, 114, 258, 312
 - on animals' lack of perspectival thought, 76
 - on animals' sense of species membership, 76–77
 - Aristotlian views of, 59, 65, 68, 69
 - on human capacity for deliberate malevolent intent, 75
 - on human capacity for ethical reflection and choice, 65–66, 68, 72, 78, 79
 - on humans' duties to animals, 65–66, 113, 293
 - on instinct in animals, 72–73, 109
 - Kantian approach of, xxv, 17, 57–79, 81, 108, 312–13
 - on killing animals for human purposes, 154
 - metaphysical doctrine of, 94, 109
 - Tanner Lectures of, 59, 69, 71
 - on Utilitarian model of aggregation, 47–48, 52
 - on value as human creation, 66–67, 71–72
- Kozinski, Alex, 307
- Kymlicka, Will, 195, 204, 205, 214, 215, 217, 220, 221, 348
- Kyrgyzstan, Ala-Archa national park in, 230, 242, 251
- Labrador retrievers, genetic diseases in, 201
- ladder of nature, *see scala naturae*
- language, 11, 144
 - human, 20, 24, 39, 97, 123–24, 260
 - see also* sign language
- law and policy, for animals, xv, xxiii, 19, 78, 81, 97, 100, 278, 309–10
 - activism through, 19, 24; *see also* Wise, Steven
 - animals' lack of standing in, xv–xvi, 43, 281, 284–94, 309
 - animals' obligations in, 114
 - Bentham on, 42–44
 - CA and, xxiii, xxiv–xxvi, 78, 81, 95–117, 314
 - factory farm industry and, 155, 283, 290–91, 298–301
 - Federal, xxvi, 283–86, 288, 309
 - freedom of speech and, 103
 - governing companion animals, xiv, 99, 114, 202–3, 204, 207, 212, 214–15, 283, 295–98
 - governing experimentation, 179–80, 181–82, 283, 284
 - governing marine mammals, 6, 100, 115–16, 229, 245, 286–87, 301–9
 - governing wildlife, 114, 244, 287–88, 315–16
 - human collaborators and, 77, 98–99, 101–2, 115, 205–6, 289
 - international, xxvi, 115, 229, 244, 287, 301–9, 313
 - Korsgaard and, 65–66, 69, 72, 94, 113
 - R. Nussbaum and, xxii
 - sentience as basis for entitlement in, 118
 - state, 283, 288, 291, 309
 - weak enforcement of, 281, 283, 284, 288–89, 291, 294–95, 303, 307, 313
- law and policy, for humans, xviii, 61, 164, 203, 228, 256, 282
 - built on evolving philosophies and theories, xvi, xxv, 29, 312
- CA and, xxiii, 87–92, 97, 100, 313
- domestic, 100
- fiduciary, 293–94, 352
- freedom of speech and, 103, 256
- governing pollution, 6, 115–16, 282
- international, 279–80
- Kant on, 60–62
- legal standing in, xvi, 29, 104, 203, 289–90, 292
- Mill on, 53–54
- rights protected through, 113, 214, 279
- tragic conflict and, 176–77
- women historically treated as property in, xvi, 202, 309–10
- Lawrence, D. H., 301
- Lazarus, Richard, 134, 136
- Lear, Jonathan, 188
- Lectures on Ethics* (Kant), 64
- LGBTQ people, rights of, 280
- life:
 - as Central Capability, 80, 88, 102
 - sentient forms of, *see* animals, sentient; humans
 - species-specific flourishing, as goal of all sentient animals, xiv, xvi, xxi, xxiv, 1, 8, 21, 31, 56, 59, 67, 69, 87, 97, 102, 105, 107, 108, 120, 129, 139, 247; *see also* animal rights; justice; justice for animals; rights