

Cambridge University Press

978-0-521-28778-4 - Sociobiology and the Human Dimension

Georg Breuer

Index

[More information](#)

Name index

- Abegglen, J. J., 164, 172
 Adorno, T. W., 246
 Agarwal, A., 194
 Alexander, R. D., 38–9, 64
 Allee, W. C., 215, 236, 263
 Allen, E., 223, 229
 Altmann, S. A., 2
 Altmann, Jeanne, 2
 Angst, W., 139, 156
 Ardrey, R., 73
 Avery, O. T., 78
 Ayala, F. J., xvii, 12, 112–13,
 Bachmann, C., 108, 163–4, 187–8
 Bachofen, J. J., 217–18, 245
 Baker, M. C., 18
 Barash, D. P., 157–9, 161, 165, 180,
 216, 225–7, 253–5, 258
 Bateman, A. J., 148
 Bateson, P. P. G., xvii, 9, 210
 Baulieu, E., 199
 Baur, E., 232
 Beaumarchais, P. A., 180
 Beckwith, J., 250–1
 Beethoven, L. van, 137
 Berghe, P. L. van den, 140, 180
 Bertram, B. C. R., 35
 Bier, K., 65
 Bischof, N., 134–5, 145, 156, 177–8,
 181, 208, 210, 212
 Bonner, J. T., xvii, 52, 86
 Boulding, K. E., 81
 Bray, O., 18
 Brock, V. E., 5
 Brown, L. H., 28
 Burian, R. M., 222–3
 Burnet, F. M., 69
 Camara, Dom Helder, 244
 Campbell, B., 85
 Campbell, D. T., 136
 Caplan, A. L., 223
 Caruso, Enrico, 150
 Chagnon, N. A., 208
 Chance, M. R. A., 107
 Charnov, E. L., 63
 Cheney, Dorothy, 97
 Chepko-Sade, Bonita Diane, 43, 171,
 208
 Cherfas, J., 26, 97
 Clutton-Brock, T., 26
 Crick, F. H. C., 79
 Crook, J. H., 115, 176, 179, 197
 Crozier, R. H., 59
 Curie, Marie, 203
 Dahlberg, Frances, 218
 Daly, M., 179–80, 193–4
 Darwin, Charles, ix, xiii, 59, 71, 87,
 91, 161, 225–6, 239, 246
 Dawkins, Marion E., 90
 Dawkins, R., 59, 65, 177–8, 225–6,
 228, 251–2, 262–3
 Denham, W. W., 165
 DeVore, I., 122, 125, 180, 188–90,
 194, 205–6, 252
 Dobzhansky, T., 14, 82, 240
 Dumpert, K., 65, 121
 Dyer, Ken, 199–200
 Eibl-Eibesfeldt, I., 11
 Eisenberg, L., 198
 Ely, D., 215
 Emlen, S. T., xvii, 50, 155, 166–8, 175
 Engels, F., xi, 119–20, 210, 220,
 245–7
 Erdmann, B., 140
 Erhardt, Anke A., 192
 Esquivel, A. P., 244
 Estioko-Griffin, Agnes, 194

Cambridge University Press

978-0-521-28778-4 - Sociobiology and the Human Dimension

Georg Breuer

Index

[More information](#)

- Eylmann, E., 188
 Eysenck, H., 248
- Feldman, M., xvii, 49, 209–10
 Fischer, E., 232, 240
 Fischer, Helga, 17
 Fisher, R. A., 30, 71, 148, 151
 Fitzpatrick, J. W., 37, 41
 Flad-Schnorrenberg, Beatrice, 192
 Fossey, Dian, 18
 Fox, R., 211
 Freud, Sigmund, 81
 Frisch, K. von, 4
- Gallup, G. G., Jr., 105
 Gardner, R. A., 100
 Gardner, Beatrice T., 100
 Geertz, C., 212, 252
 Gilbert, W. M., 5
 Gleitman, H., 257
 Goethe, J. W., 156
 Goodall, Jane, xvii, 19, 27, 36, 45, 90,
 109, 115, 131, 138–9, 163, 170–1,
 175, 181, 191, 209, 215, 258–61
 Gösswald, K., 65
 Goy, R. W., 192
 Greenberg, L., 46
 Griffin, D. R., 194
 Guhl, A. M., 216
 Gutman, H. G., 205, 232
- Haldane, J. B. S., xii, 30, 33–4, 48,
 71, 240, 246–7
 Hall, K. R. L., 125
 Hamilton W. J., III, 5
 Haour, France, 199
 Hare, Hope, 39, 59, 63–5, 223
 Harcourt, A. H., 163, 170, 175
 Harich, W., 246–7
 Hart, M., 47
 Harvey, P. H., xvii, 35, 43, 59, 61, 209,
 231
 Hausfather, G., 152
 Hayes, C., 99
 Hegel, Georg W. F., 81, 140, 255
 Helm, June, 180, 206
 Héritier, Françoise, 217–18
 Hiatt, L. R., 188–9, 205
 Hitler, Adolf, xi, 78, 81, 233–4
 Hobbes, Thomas, 257
 Holldobler, B., xvii, 25, 27, 39, 46–7,
 65, 86
 Hook, E., 250
 Horkheimer, M., 246
 Horn, H. S., 165
- Imanishi, K., 90
 Isaiah, 137
 Itani, J., 115
- Jarvis, Jennifer, 38
 Jenner, F. A., 212
 Jenni, D., 155
 Jesus Christ, 137
 Johannsen, W., 11
 Jolly, C. J., 107
- Kalmus, H., 46
 Karow, W. G., 192
 Kawai, M., 90
 Kennedy, G. E., 113
 Kepler, Johannes, 240
 King, J., 250–1
 King, M. C., 112
 King, Martin Luther, 244
 Kishon, E., 180
 Kolata, Gina B., 114
 Krebs, J. R., 41, 61
 Kruuk, H., 27
 Kummer, H., xvii, 2, 5, 20, 84, 91–3,
 95, 105–9, 120, 129–31, 136, 138,
 163–7, 172–3, 176, 184, 187–8,
 191–2, 214–15, 265
- Lack, D., 168
 Lagerlöf, Selma, 203
 Lancaster, C. S., 81, 118, 124–5, 212
 Laughlin, W. S., 122
 Leaky, Louis, 19
 Le Boeuf, B. J., 152
 Lee, R. B., 122–5, 180, 188–90, 194,
 205–6
 Lenz, F., 232–3
 Lévi-Strauss, C., 119, 188–9, 211
 Levy, Jerre, 201
 Lewontin, R. C., 23, 223, 243
 Livi-Bacci, M., 177–8
 Lorenz, K., xi, 1–5, 10, 17, 26, 29–30,
 33, 43, 72–3, 89, 157, 229, 234–5,
 237, 240
 Lukacs, G., 246–7
 Lumsden, C., xvii
 Lyssenko, T. D., 241, 247
- Maccoby, Eleanor, 191
 Mackie, G. O., 54
 McLaren, Anne, 149
 Mann, Thomas, 213
 Markl, H., xvii, 5, 27, 31, 56, 60, 107
 Marler, P., xvii, 18, 97, 265
 Martin, P. S., 126–7
 Marx, Karl, xi, xiii, 119, 140, 243–7

Cambridge University Press

978-0-521-28778-4 - Sociobiology and the Human Dimension

Georg Breuer

Index

[More information](#)

- Maynard Smith, J., 9, 25, 30–3, 36, 49, 72, 74–5, 160, 229, 242, 252
- Mayr, E., 153, 156
- Mead Margaret, 193
- Meitner, Lise, 203
- Mendel, Gregor, 71, 239
- Menzel, Emil W., Jr., xvii, 97–9, 104–5
- Michener, C. D., xvii, 45–7, 62–4
- Midgley, Mary, ix–xii, xvii, 102, 134, 142, 186, 227, 230, 243
- Miller, L. G., 243
- Mlynar, Z., 245
- Moehlman, Patricia D., 37
- Mohr, H., 4
- Money, J., 192
- Monod, J., 195, 197, 230
- Morgan, L. H., 210, 217
- Morgenstern, O., 30
- Morris, D., 73
- Mozart, Wolfgang A., 180
- Murdock, G. P., 178–9, 194
- Murton, R. K., 4
- Nagel, U., 131
- Neumann, J. von, 30
- Norton-Griffiths, M. N., 87
- O'Connell, J. F., 119, 127
- Orians, G. H., xvii, 166
- Oring, L. W., 155, 166–8, 175
- Oster, G. F., 224, 229
- Packer, C., 49–50, 152
- Parker, G. A., xvii, 146, 149
- Pilling, A. R., 190
- Premack, D., 100–1
- Price, G. R., 25, 31
- Prokop, L., xvii, 199–200
- Reinisch, June M., 192
- Rensch, B., 106
- Renner, Karl, 150
- Reyer, H. U., xvii, 40–1
- Ribbands C. R., 46
- Richards, O. W., 148
- Richter, C. P., 88
- Ridpath, M. G., 36
- Riffenburgh, R. H., 5
- Risteau, Carolyn A., 100
- Robbins, D., 100
- Rose, F. G. G., 188–90, 219
- Rose, S., 178, 202, 242, 244–5, 255
- Rousseau, Jean-Jacques, 243
- Rowell, Thelma E., 217
- Rozin, P., 88–9
- Rumbaugh, D. M., 100, 102–4
- Sade, D., xvii, 40, 43, 50, 108
- Sahlins, M. D., 76–7, 139, 205–7, 257–8
- Sappho, 203
- Sartre, Jean-Paul, 213
- Sauer, E. G. F., 209
- Sauer, Eleonore, 209
- Savage-Rumbaugh, E. Sue, xvii, 100–4
- Schaller, G. B., 4, 27, 35, 118, 125, 170
- Schjelderup-Ebbe, T., 214, 216
- Schrödinger, E., 78–9
- Sebeok T., 101
- Seemanova, Eva, 210
- Seibt, Uta, 3, 59, 65, 225
- Selander, R. K., 162, 216
- Seyfarth, R. M., xvii, 97, 102
- Shakespeare, William, 152
- Sheper, J., 193, 212, 275
- Sherman, P., xvii, 38–9, 42, 64
- Simpson, G. G., 82, 85, 92, 95, 112
- Skinner, F., 81
- Smith, S. M., 157
- Solomon, R. C., 211, 213, 229, 252, 255
- Solzhenitsyn, A., 262
- Stack, Carol B., 232
- Stalin, J. W., 81, 241
- Steffens, L., 140
- Steinmann, E., 45
- Stent, G., xvii, 225, 228, 258
- Stewart, K. J., 163, 170, 175
- Stolba, A., 92–94, 172
- Struhsaker, T. T., 97
- Suarez, Susan, 105
- Sullerot, Evelyn, xvii, 177, 181, 191, 195–203, 217–8, 230, 240, 242
- Suttles, W., 123
- Suzuki, A., 115
- Tacitus, 205
- Talbot, Mary, 64
- Tannenbaum, B., 18
- Teleki, G., 115–6, 194
- Terrace, H. S., 100–2
- Thatcher, Margaret, 242, 256
- Tiger, L., 193
- Tinbergen, N., xi, 4, 33
- Trivers, R. L., 38–9, 49, 59, 63–5, 73–4, 76, 136, 148–9, 158, 160, 186, 223, 252, 257
- Tognazzi, U., 154
- Umiker-Sebeok, J., 101
- Uyenoyama, M., 49

Cambridge University Press

978-0-521-28778-4 - Sociobiology and the Human Dimension

Georg Breuer

Index

[More information](#)

- Verner, J., 166
- Washburn, S. L., 80–1, 96, 110, 113, 117–18, 124–5, 142–3, 212, 237–8
- Watanabe, H., 194
- Watson, J. D., 79
- Welker, C., xvii, 44
- Welsh, D. A., 157
- White, J. P., 119, 127
- Wickler, W., 3, 59, 65, 216, 225
- Wiley, R. H., 152
- Wilkins, M. H. F., 79
- Williams, B. A. O., 229, 256
- Williams, G. C., 38, 228
- Wilson, A. C., 112
- Wilson, E. O., x, xvi, 2–6, 12, 25, 27–9, 36, 49, 52, 54–5, 57, 63, 66–70, 72–7, 79, 83–4, 90, 106, 121, 136, 140, 142, 149, 165, 170, 176–8, 181, 184, 192–4, 199, 205, 215–17, 228, 230–2, 234, 244–5, 251–2, 261–2
- Wilson, Margo, 179–80, 193–4
- Witelson, Sandra F., 196, 200–1
- Witkin, H. A., 250
- Wolf, L. L., 159
- Woodburn, J., 188
- Woolfenden, G. E., 37, 41
- Wrangham, R., xvii, 115
- Wright, S., 48–9
- Wu, Hanna M. H., 44
- Wynne-Edwards, V. C., 49
- Yengoyan, A. A., 194
- Young, Brigham, 151
- Zazzo, R., 191, 197, 202
- Zweig, A., 128

Subject index

- adaptation, 22–3, 48, 84–5, 124, 133, 167, 183, 186, 210, 230
- ‘adultery’ (in animals), 18, 40, 42, 129–30, 153, 157, 161, 184–5
- agriculture, 80, 119–20, 123–7
- amoeba, 51–3, 228
- anonymous crowd, 5
- ant, 27, 45–6, 55–6, 60, 63–6, 69–70, 85–6, 119, 230; *see also honey-pot ant, leaf-cutting ant*
- antelope, 127
- anthropology, xiii, xv, 73–7, 80, 119, 188–90, 194, 205–7, 217, 239, 255, 258
- anubis baboon, 49–50, 130–1, 171–2, 209
- ape, 19, 42–3, 49, 55, 81–3, 86, 100–2, 104–9, 112–18, 133–4, 138–42, 168–71, 175–7, 191, 207, 209, 219, 228–9, 244
- aphid, 145
- Argus pheasant, 163
- artificial insemination, 149
- asexual reproduction, 52–3, 144–6, 151
- Australopithecus*, 114, 117, 133
- baboon, 2, 5–6, 25, 84, 89, 91, 108, 110, 115–6, 120, 125, 138, 230, 258–60; *see also anubis b., hamadryas b.*
- ‘baby sitter’ (helper), 37, 40–1, 50, 60, 62, 120
- bachelor groups, 43, 169, 171–2
- badger, 10–11, 168
- Barbary macaque, 110
- bat, 18
- bear, 118
- beaver, 85, 109, 119, 127
- bee, 25, 27, 45–6, 51, 55, 62–3, 69–70, 90, 117; *see also honey bee*
- bee-eater, 50
- Belding’s ground squirrel, 42
- bigamy, 18, 84, 154, 157
- bison, 216
- bryozoans, 53, 66
- budding, 53–4, 68
- bug, 57
- buffalo, 2
- bumble-bee, 63
- bushbuck, 115
- camel, 127
- cannibalism, 27, 131, 260
- capuchin monkey, 44
- cat, 88, 128–9
- cattle farming, 119–20, 127
- chaffinch, 10
- chess, 200
- chimpanzee, xiii, 12, 14, 19, 27, 36, 42, 45, 49, 83, 90, 97–117, 122, 131–4, 138–42, 151, 153, 163–4, 167, 169–71, 173–5, 179, 181, 191, 207, 209, 214–15, 218–19, 221, 230, 258–61
- chromosomes, 13, 57, 112, 197, 240, 250–1
- cockroach, 56, 60
- coelenterates, 53–4, 144
- compassion, *see sympathy*
- corals, 51, 53, 66, 68, 70, 228
- cost/benefit calculation (analysis, ratio), genetical, 31–2, 35–6, 39, 59, 63, 137, 206, 254–5, 263–4
- cuckoo, 6–7, 10, 13, 16, 42, 88, 145
- culture, 23, 77, 80, 84–92, 141, 227, 230
- Dahlem workshops, xvi, 31, 38–9, 44, 59, 65, 86, 102, 201, 212, 224, 229, 255–7

Cambridge University Press

978-0-521-28778-4 - Sociobiology and the Human Dimension

Georg Breuer

Index

[More information](#)

- Darwin finch, 87–8, 141
 Darwinism, ix, xii–xiv, 39, 71–5,
 81, 137, 226–7, 246–7
 DNA, 12–15, 78–9
 dog, xiii, 10, 42, 88, 96, 128–9, 141;
 see also shepherd's dog
 dominance (pecking order), 67,
 213–17, 220, 236, 249
 dove, *see* pigeon
Dryopithecus, 111
- eagle, 28, 35, 97, 161, 168, 217
 earthworm, 147
 ecological niche, 20, 47–8, 85, 183
 elephant, 2, 25, 36, 42–3, 67, 92, 110,
 150, 169
 elephant seal, 152, 162
 ethics, 73–6, 137–9, 258, 261–2
 ethology, xi, xv, 38, 71, 84, 147, 227,
 240
 evolution, xi–xii, xvi, 6, 25, 33, 47, 55,
 72, 75, 80, 91, 133, 140–1, 147, 223,
 237, 261
 Evolutionarily Stable Strategy (ESS),
 31–3
 existential anxiety, 135
- falcon, 3–4
 fascism, xi, xiii, 230–4, 239–40
 feminism (womens' movement), 156,
 187, 195–7, 201, 218, 221, 230
 fish, 5, 7, 26, 118, 159, 253
 fishing, 118, 122, 125, 194
 'free love', *see* promiscuity
 fox, xiii, 16, 109
- game theory, 30–1
 gatherers (gathering, forage), 117, 119,
 122–5, 173, 190, 194, 205, 220–1
 gelada, 84, 115, 172–4, 214, 218–19
 gene, x, xvi, 7, 11–16, 23, 33–5, 58–9,
 68, 78, 82, 112–3, 132–3, 136, 144–7,
 151, 160–1, 209, 223, 228–9, 237,
 240–4, 248, 251–5, 262–4
 gerontocracy, 188
 gibbon, 105, 110–12, 150, 153, 168,
 170, 173–4, 177, 219
 giraffe, 126
 goat, 129, 162
 goose, 10, 162, 208, 229; *see also*
 greylag goose
 gorilla, 19, 29–30, 99, 105–6, 108,
 110–13, 115, 118, 125, 164, 170, 173,
 175, 177, 184, 209, 218–19
 greylag goose, 16–18, 133–4, 153,
- 156–7, 168, 177, 179, 182, 184, 234,
 244, 258
 group selection, 48–9, 136, 223
 gull, 166
- hamadryas baboon, 20, 43, 49, 92–5,
 115, 129–31, 152, 154, 162–9, 166,
 172–7, 184–5, 187–91, 214, 218
- hamster, 109
 hare, 168
 harem, 40, 43, 92, 129–31, 153–5, 157,
 164–8, 170, 172, 176–9, 187, 208, 226
- helper, *see* baby sitter
 hen, *see* poultry
 herd, 1–6, 18, 24, 166
 heron, 97
 herring, 3, 21
Homo sapiens, *see* man
 honey bee, 56, 59, 63, 65, 150, 228
 honey-pot ant, 25
 horse, 127
 hummingbird, 159
 hunting (hunter), 115–16, 119, 122–7,
 136, 173, 194, 205, 214, 220–1
- hybrids, 82, 157
 hyena, 4, 27, 97, 215
hymenoptera, 55–65, 68–9, 223
- identification, *see* sympathy
 imprinting, 10, 47
 incest, 84, 206, 208–13, 239
 insects, 7, 28, 45, 55, 86; *see also*
 social insects
 instinct, 6–9, 30, 134, 136
 IQ-test, 201–2, 248
 islam, 177, 184–5
tus primae noctis, 180, 182
- jacana, 155–6, 182
 jackal, 4, 37, 153, 168
 jackdaw, 89
 jay, 37, 41
 jelly fish, 53–4
- kangaroo, 168
 kibbutz, 193, 212
 kin selection, 34–44, 49, 57, 59,
 62–5, 68, 136, 204–8, 223
- kingfisher, pied, 41, 120
 kleptogyny, 160–1
- language, 95–104, 141, 261
 lateralization (of brain) 200–1
 leaf-cutting ant, 85–6, 227
 lek, 162
 leopard, 2, 4, 97, 116

- lion, 3–4, 27, 35–6, 42–3, 120–1, 126, 152, 164–6, 173, 216
- macaque, 90–1, 105, 108–9, 118, 141, 230
- male sex hormone, *see* testosterone
- mammals, 21, 26, 29, 36, 57, 67–70, 126–7, 133, 136, 149–50, 156, 165, 168–9, 173, 178, 190, 209, 215
- mammoth, 127
- man (*Homo sapiens*), xi, xiii–xvi, 8–10, 28–9, 66–70, 73–7, 80–8, 94–6, 103–4, 106, 108, 110–14, 116–28, 130, 133–43, 147–50, 159, 169, 174, 176–208, 210–13, 217–21, 228–30, 234–40, 243–4, 248–51, 253–5, 257–9, 261–4
- manipulation (of daughters by social insect queens), 62, 64, 223, 227–8
- mantis, 226
- mantis shrimp, 25
- marten, 216
- Marxism, 81, 119, 241, 244–7, 258
- mastodon, 127
- matriarchy, 217–21
- mirror experiments, 105
- mole rat, 37–8
- monkeys, 2, 42–3, 49, 55, 81–3, 89, 105–10, 115, 118, 120, 138–9, 141–2, 168–72, 175, 177, 191–2, 207, 209, 216–19
- monogamy, 17–8, 36, 40, 84, 153, 157–8, 161, 165–8, 173, 176–9, 182–7, 219,
- moose, 216
- Mormons, 151, 177
- mountain bluebird, 157–8
- mouse, 105, 129, 210, 215
- mule, 157
- murder, 26–9, 66
- musk-oxen, 2
- mutation, 15–16, 24, 34, 48–9, 63, 145
- natural selection, xii, xvi, 6, 20–5, 30–5, 59, 62, 67, 132, 136, 223, 227, 237, 257
- oestrus, 174–5
- operational sex ratio, 175
- orang-utan, 99, 106, 110–12, 150, 156, 170, 173, 219
- ostrich, 208
- oyster, 144, 149
- oystercatcher, 87, 141
- parental investment, 64, 148–9, 152, 154, 158, 183, 254–5
- parrot, 10
- partnership, 150, 153, 194, 221
- partridge, red-legged, 155
- patas monkey, 167, 215
- paternity, 40, 43, 171, 204, 217–20, 253
- peacock, 162–3, 177
- pecking order, *see* dominance
- pheasant, 162
- phenotype, 12, 242
- phenylketonuria, 241
- phytognomy, 222
- pigeon (dove) 4, 29–30, 101
- pigtail macaque, 44
- polyandry, 155–6, 179
- polygamy (polygyny), 153–4, 159, 161–2, 166, 168, 175–9, 181, 183–4, 187, 218–20
- polygyny (bigamy) threshold, 166, 168
- polyp, 53
- poultry (domestic fowl, hen), 129, 154, 162, 214, 216
- predator, 2–6, 88, 90, 94, 97, 108, 116, 126–7, 150, 166, 172–3
- pre-humans (proto-h., semi-h., half-men), xvi, 83, 91, 116–8, 136, 141, 169, 173, 179, 221
- primates, 95, 106–9, 152, 163, 167, 169–74, 191
- promiscuity ('free love'), 153, 162–3, 171, 179, 217–20
- prostitution, 159, 180, 185, 189
- python, 97
- quail, 210
- rabbit, 168
- racism, xi, 82, 231–5, 239–40
- Ramapithecus*, 114
- rape, 156, 180, 182, 213
- rat, 26, 42–3, 88, 156, 210
- rattlesnake, 25
- raven, 30
- reciprocal altruism, 49–50, 136, 223
- redwing blackbird, 18, 40, 184–5
- reptiles, 7, 26, 149
- rhesus monkey, 40, 43, 50, 108, 171, 192, 208–9, 216
- rhinoceros, 23, 110
- ritualized combat, 26, 29, 32–3
- rodents, 109, 117
- role, 191, 193, 204, 211, 220
- sage grouse, *see* wildfowl

Cambridge University Press

978-0-521-28778-4 - Sociobiology and the Human Dimension

Georg Breuer

Index

[More information](#)

self-realization, 66, 69–70, 133, 186
sex determination, 57–60
sexual dimorphism, 177, 182
sheep, 1–2, 6, 9, 18, 166, 173
shellfish, 118, 122
shepherd's dog, 9, 129, 173
siamang, 110–12, 219
sickle cell anemia, 24
siphonophore, 53–4, 66, 68, 70
slavery, 120–3, 180, 189, 205, 229, 232
slave-making ants, 47, 64, 121, 229
slime moulds, 51–3, 69
sloth, 127
snail, 23
snake, 99
Social Darwinism, 81, 236, 257
social insects, 3, 55–70, 85, 133,
 223–4, 227–8, 245
social sciences, xi–xii, xv–xvi, 73–7,
 79, 81, 187, 195, 211, 245, 253–4,
 264
song birds, 7, 42, 120, 150, 153, 174,
 184, 209
sparrow, 157
spatial representation, 196, 201
sports, 198–200
squirrel, 109
stag, 25–6, 159–60
starling, 4–5, 10
'steppe apes' (putative), 114–6,
 173–4
stickleback, 159, 229, 253
stone age, xvii, 70, 116–19, 127
stork, 97
super-ego, 128, 136
survival of the fittest, 20, 225–6

Sykes' monkey, 217
sympathy (compassion, identification),
 xiv, 133–9, 180–1, 189, 259–64
Tasmanian rail, 36–7, 155
termites, 55–6, 58, 60, 69
testosterone, 192, 199, 215–16
tiger, 3, 164
titmouse, 88
tools, 83, 88, 90, 110, 116–17, 142
tunicates, 69
turtle, 7, 88
twins, 14, 247–50

ungulates, 168

vervet, 97, 217
virus, 228
vulture, 4

warthog, 97, 115
wasp, 45, 55, 60–3
wild boar, 216
wildcat, 128
wildfowl, 152, 162, 216
wolf, 26, 42, 88, 126, 128, 132, 138,
 166, 168, 173, 217, 257–8
women's movement, *see* feminism
woodpecker, 88
wren, 84, 154, 166, 183, 189

XXY-men, 250–1

Yanamamò Indians, 208

zebra, 126