

Index

- absolute surplus value production, 147
abstraction, 88, 97n14, 133n12, 192,
 244n15
abstract labour, 24, 121, 133n12, 244n15
abundance, 8, 140–1, 160, 162, 166n26,
 210, 216–42, 243n10, 249–50
Accumulation of Capital, The (1913), 6, 14
actant, 73, 115, 117, 125, 128, 132n10
actor–network theory (ANT), 73, 116,
 134n18
Adorno, Theodor, 44, 70n12, 99n22,
 109–10, 113, 132n5
agency, 73, 91, 110–11, 116–17, 125,
 160, 196
Agrarian Crisis and Its Solutions, 64–5
agribusiness, 31
Agricultural Chemistry (1862), 15, 24–5,
 61–2
agricultural chemistry, 4, 59
agricultural commune, 194
agriculture, 15, 24–6, 29–30, 39n3, 53,
 56, 62–3, 66, 134n19, 141,
 178–9, 186, 200, 202, 205,
 207–9
Algeria, 186
alienation, 21, 24, 40n13, 59, 80, 99n22,
 122, 150, 160, 219, 222, 240
Althusser, Louis, 6, 47, 209
Amin, Samir, 220
Ancient Society, 190, 206–7
Anderson, Kevin, 16, 172, 183, 191, 196,
 198
antagonism, 13, 31, 57–8, 71n21, 172,
 216–17
Anthropocene
 concept, 104–7
 defined, 2–3
 monist approach, 3
Anthropocentrism, 104, 114–16, 120,
 125, 128–9
Anthropos, 105
Anti-Dühring, 46, 49, 51, 58
antithesis
 between mental and physical labour,
 230, 233
 of town and country, 53, 58, 67
apocalypticism, 2, 59, 111, 132n7
appropriation, 41n22, 52, 59, 65, 107,
 156, 159, 219
archaic commune, 194
artificial intelligence (AI), 7, 137
association, 151, 200–1, 204, 207, 219,
 228
autonomy, 31, 38–9n2, 104, 149–50,
 156–7, 160–1, 166n26, 239–42,
 244n16

- ‘Baconian-Prometheanism’ belief, 58
- Badiou, Alain, 43–4
- Bakewell, Robert, 180
- barbarian and semi-barbarian countries, 178
- Barca, Stefania, 106, 116, 220
- Bastani, Aaron, 141
- Benanav, Aaron, 137, 163n2, 233, 239–41
- Benjamin, Walter, 216
- Berlin, Isaiah, 176
- Beyond Capital*, 14, 17–18
- big data-enabled, IT-backed authoritarianism, 139
- binary. *See* dualism
- biodiversity, 1
- biomedical implants, 31
- Bonneuil, Christoph, 117
- Bourgeois ideology, 78
- Braverman, Harry, 148, 157, 166n26, 241
- Buck-Morss, Susan, 68
- Bukharin, Nikolai, 76
- Burkett, Paul, 4, 13, 15, 23, 38n1, 39n4, 44, 48, 68n1, 69n2, 70n11, 74–5, 85–6, 89, 126–8, 231
- Cabet, Étienne, 232–3
- Caesar, 197, 201, 207, 215n37
- capital and ecological crisis, 125–9
- capitalist production, 25, 150, 222
- capitalist realism, 3, 6, 137, 160, 246
- Capitalocene, 107, 114–15, 130, 131n3
- capital’s countertendency, 142
- carbon capture and storage (CCS), 34, 130
- carbon trading, 127–8
- Cartesian dualism, 89, 114
- Cartesian
 - non-Cartesian, 119–25
 - post-Cartesian, 74, 90, 104, 118–19, 135n28, 248
- Castree, Noel, 5, 7, 73, 107–11, 114–15, 134n18
- Chakrabarty, Dipesh, 105, 185, 191
- Cheap Nature, 118, 122, 126, 131
- Chernyshevsky, Nikolay, 173, 187, 189, 214n35, 215n36
- Civil War, 183
- class, 7, 13, 18, 26, 77, 79–84, 96n3, 158, 170, 174, 199
- climate change
 - climate breakdown, 1–2, 33, 129, 137
 - climate crisis, 33, 37, 41n23, 167n30
- Club of Rome’s report, 112
- coal, 27–8, 40n17, 50, 65–6, 108, 115, 127, 179, 211n7, 223
- Coal Question, The*, 179
- co-evolution, 59
- Cohen, G. A., 150, 154, 164n9, 229–31
- Colletti, Lucio, 48
- colonialism, 182–3, 185, 190–1, 211n10
- commodity analysis, 221
- Commoner, Barry, 34
- commons, 142, 202, 223–4, 226, 233
- communal luxury, 232
- commune of the secondary formation, 194
- communism, 3, 6, 8, 162, 173, 199, 203, 208–10, 218, 226–36
- Communist Manifesto, The*, 2, 37, 174, 178
- Communist Party of the Soviet Union (CPSU), 82
- concrete labour, 24, 121, 244n15
- constructivism, 79, 84, 90–1, 93, 104, 107, 109, 120, 126
- consumption, 1, 26, 50, 53, 123, 132n9, 160, 179, 209, 232–5, 242, 244n11
- contradiction, 2, 6, 15, 17, 25–6, 29, 31, 34, 36–7, 41n19, 48, 94–5, 98n19, 104, 117, 120, 125–6, 140
- cooperation, 20, 31, 87, 138, 142, 147–55, 157, 164n14, 165n15, 166n26, 227, 239
- Coulanges, Fustel de, 197
- crisis
 - ecological, 1, 2, 5, 8, 13–38, 48, 60, 70n12
 - economic, 46, 104, 161, 174

270 | Index

- Critique of the Gotha Programme*, 8, 218, 228, 230–1, 233–4, 241, 249
cruel treatment of livestock, 179
Crutzen, Paul, 106
Cuyvers, Ludo, 199
- Daly, Herman, 231
Daniels, Roland, 50
'Darwinist before Darwin', 63–4
Darwin, 62–4, 66–7, 70–1n16, 97–8n15
Deborin, Abram, 82–4
deforestation, 28, 62–3, 67, 123, 179, 200
degrowth, 6, 8, 171–210, 216–50
de Lavergne, Léonce, 180
democracy, 1, 3–4, 161, 167n29, 209, 248
de Saint-Simon, Henri, 137
determinism, 15, 38–9n2, 47, 69–70n10, 115, 177, 192
Deutscher, Isaak, 17, 21
dialectical materialism, 47
Dialectic of Enlightenment, 113
Dialectics of Nature, 46, 49, 55–7, 62–3, 69n6
dialectics
 of nature, 45–7, 49, 51, 54–5, 57–8, 61, 67, 70n12, 71n20, 75–6, 83–5, 87–8
division of labour, 25–6, 31, 45, 48–9, 51, 58, 68, 87, 97–8n15, 121–2, 147–8, 151–2, 155, 164n13, 186, 230, 233, 239, 240
domination and revenge, 58–61
Drucker, Peter, 142–3
dualism
 dichotomy, 54, 67
Dühring, Eugen, 45–6, 69n3
- Easterbrook, Greg, 130
ecofacism, 106
ecomodernism, 99n24, 130, 167n30
Ecomodernist Manifesto, The, 130
Economic and Philosophical Manuscripts of 1844, 68, 69n4, 243n4
economic determinism, 177
economic growth, 8, 27, 34, 106, 131n2, 139, 207–9, 216, 218, 231, 233–5, 237, 239, 242, 249
Economic Manuscripts of 1861–3, 145–7, 184
Economist, 179, 181, 184
ecosocialism, 3–4, 6, 14–17, 182, 208–9, 216–17, 242, 249
Ehrlich, Anne H., 112
Ehrlich, Paul R., 112
elasticity, 33, 59, 125–9
electoralism and technology, 159–62
emancipation, 2, 5, 14, 17, 128, 137, 139, 144, 159, 167n29, 171, 177–8, 183–4, 207, 233, 240
end of human history, 1
Engels, Frederick, 5–8, 44–55, 61–70, 83–5, 114–20
entropy, 50, 70n11, 113
environmental destruction, 158
environmentalism, 3, 13, 18, 43, 104, 111–12, 133n12, 155, 211n8, 216, 245
epistemic rift, 74
'epochal crisis' concept, 128
equality, 9n3, 166n26, 201, 203–4, 206, 208–9, 229, 233, 241
Ethnological Notebooks, 190–1
Eurocentrism, 124, 173, 177–8, 182–5, 198–9, 204, 209, 247–8
excessive deforestation, 179
exhaustion, 4, 20, 24–6, 28, 30–3, 36, 53, 127–8, 179, 184, 225
exploitation, 18, 29, 31, 33, 36, 46, 97n14, 105, 108, 118, 156, 158, 160, 174–5, 193, 216, 243n6
externalization, 35–7, 41n22
Extinction Rebellion, 2
extractivism, 33
false identification, 157
fertilizer, 30–2, 71n22, 179
fetishism, 105
feudalism, 139, 189, 212n18

- Feuerbach, Ludwig, 70n12, 79–80, 122
 Fisher, Mark, 3
 forces of reproduction, 106
 Ford, Martin, 139
 form determination, 53–4, 56, 145–7,
 221
Fossil Capital (2016), 27
 fossil fuel, 1, 4, 27–8, 33–4, 50, 108, 123,
 127, 179, 244n11
 Foster, John Bellamy, 3, 15, 23, 33, 44,
 86, 110–11, 114, 120, 210,
 243n8
 Fraas, Carl, 62–7, 179, 200–5, 211n5
 fracking, 127
 ‘Fragment on Machines’, 138, 155
 Fraser, Nancy, 15
 freedom, 55, 60–1, 65, 67, 136, 150, 156,
 218–19, 234–6, 238–40, 243n5
 free time, 140, 144–5, 222, 235
 Fressoz, Jean-Baptiste, 117
 Fukuyama, Francis, 1
 full automation, 140

 gender, 15, 89, 105, 107, 118, 241–2
 general intellect, 138, 144–5, 163n8
 genetically modified organisms
 (GMOs), 31, 127
 geo-constructivism, 104
 geo-engineering, 106, 113, 127–8, 130,
 134n20, 167n27, 167n31
 geology, 4, 16, 50, 57, 59, 65–6, 107, 179,
 199
 Germanic. *See* Teutonic
German Ideology, The, 40n12, 57, 67,
 79–80, 154
 globalization, 1, 13, 43, 184–5, 194
 Global North/Global South, 31–3, 35,
 37, 41n23, 105, 113, 118, 128,
 131n2, 160, 167n30
 global warming. *See* climate change
 Görg, Christoph, 109, 132n5
 Gorz, André, 156–7
 Gramsci, Antonio, 76
 Great Acceleration, 1
 gross domestic product (GDP), 235

 Guano War (1865–6), 32–3
 György, Lukács, 5, 47, 74

 Haber-Bosch process, 30, 33
 Hamm, Wilhelm, 180
 Haraway, Dana, 107
 Harvey, David, 28, 43, 103–4, 110–14,
 130, 132n7, 134n8, 218, 242n3
 Hassall, Arthur Hill, 225
 Haxthausen, August von, 186–7, 207,
 212n12, 215n36
 Hegel, 47–9, 54, 61, 75, 83, 91, 93, 96n2,
 98n19, 99n22, 120, 133n16,
 177, 248
 Heinrich, Michael, 45–6, 52, 69n3, 155,
 172, 176
 Herzen, Alexander Ivanovich, 186–9
 Hickel, Jason, 232, 234
 historical materialism, 2, 14, 45, 47–8,
 90, 95, 138, 151, 153–8, 162,
 171–3, 177, 182, 186, 192–3,
 198–9, 208, 213n24
History and Class Consciousness, 47, 74
 ahistoricity, 77
 Bourgeois ideology, 78
 contemplative attitude, 77, 79
 immediacy, 77
 Marx’s dialectical method, 75
 natural science and social analysis, 76
 ontological dualism, 76
 Orthodox Marxism, 75
 simplicity, 77
 social constructs, 79
 total quantification, 77
 Hobsbawm, Eric, 197
 Holloway, John, 93, 98n17, 221
 Honneth, Axel, 15
 Horkheimer, Max, 73
 Hornborg, Alf, 13, 41n22, 92, 104–5,
 107, 118, 125, 149, 249, 250n3
Housing Question, The, 53
 human development, 128, 182, 210, 236
 humanism, 84, 117, 124, 128, 163n5
 Humboldt, Alexander von, 32
 hybrid, 5, 92, 116–17, 124–5, 129

272 | *Index*

- idealism, 67, 83, 98n18, 211n18
- ideology, 13, 34, 48, 78–80, 88, 97n14, 112–13, 123, 159–62, 247–8
- imperialism, 33–4, 58, 113, 183–5, 211n10
- India, 37, 182–3, 186, 190–1, 194, 196, 211n10, 212n18, 212n21
- indigenous communism, 203
- industrial revolution, 7, 139–42
- information technology (IT), 7, 139–42, 163nn5–6, 166n26
- innovation, 130, 131n2, 135n27, 160, 167n30, 177, 240
- ‘intellectual relationship’
 - concept of ‘nature’, 44
 - of labour
 - socialist rivals, 45
- Intergovernmental Panel on Climate Change (IPCC), 111
- International Institute of Social History (IISG), 45
- Internet of things (IoT), 7
- Iroquois, 186, 206
- Jahn, Thomas, 110
- Jameson, Fredric, 15
- Jevons, William Stanley, 28, 41n18, 179, 211n6–7
- Johnston, James F. W., 50, 66
- Jones, Richard, 152, 211n10
- Jones, Stedman, 196–7, 199
- Jukes, Joseph Beete, 50, 65–7
- Keynes, John Maynard, 140, 143
- Khrushchev, Nikita, 47
- Klein, Naomi, 3–4, 9n3, 23, 34, 127
- Kołakowski, Leszek, 14
- Kovalevsky, Maxim, 173, 188, 190–2, 212n18, 213n24
- Kovel, Joel, 15
- Kropotkin, Peter, 207, 209, 232–3
- labour, defined, 19
- labour power, 24, 27, 34–6, 118, 122, 125–6, 134n19, 135n24, 140, 163n4, 163n7, 184, 218–9, 238
- Lassalle, Ferdinand, 45
- late-capitalist utopians, 137
- Latifundium*, 202
- Latouche, Serge, 217
- Latour, Bruno, 3, 73–4, 107, 116–17, 129–30, 132n10, 139, 249
- Lauderdale Paradox, 225–6, 231–2
- Lectures on the Early History of Institutions* (1875), 190
- left accelerationists, 137
- ‘left apocalypticism’, 59
- Lessenich, Stephan, 34
- Liebig, Justus von, 15, 24, 202
- Liedman, Sven-Eric, 15
- Limitis to Growth*, 17, 38n1, 112
- Lindner, Kolja, 191, 196, 213n24
- locking technologies, 157
- London Notebooks*, 66
- Löwy, Michael, 3, 15, 83, 96n6, 155, 165n22, 178, 210, 217, 245
- Lukács theory. See *History and Class Consciousness*; metabolism; ontological monism; scientific dualism
- Luxemburg, Rosa, 5–6, 14, 34–8, 125
- machine, 28, 31, 50, 106, 137–40, 143, 147–9, 153, 155–6, 160, 174, 178, 184, 186, 215n41, 238, 240
- Maine, Henry, 190–1
- Maitland, James, 225
- Malm, Andreas, 3, 27, 92, 104–5, 107–8, 122–4, 131n3, 135n29, 167n32, 249, 250n3
- Malthusianism, 104, 112
- Malthus, Robert, 98, 111, 113, 209
- Marcuse, Herbert, 70n12, 97n14, 136
- Marx-Engels-Gesamtausgabe* (MEGA), 4, 6, 16–17, 45
 - and late Marx, 174–7
- Mason, Paul, 141, 162n1
- materialism, 2, 14, 20, 44–9, 54, 67, 69n10, 75, 77, 79, 83, 85, 90, 95
- Maurer, Georg L., 64, 194

- McKibben, Bill, 2, 9*n*1, 34, 73, 108, 131–2*n*4
 mediation, 20–2, 25, 27–8, 40*n*13, 53–4, 56–7, 94, 132*n*6, 192, 200, 219–21, 231
 Mészáros, István 5, 14, 17–23, 29, 34, 37, 40*n*10, 40*n*13, 96*n*1, 115, 156–7, 230, 235
 metabolic rift, 4, 74, 119, 178, 204, 236–42, 245
 abstract labour, 24
 agricultural production, 32
 analysis, 23
 concept, 14–15
 dimensions, 28
 economic and ecological crisis, 29
 factors of production, 24
 human and non-human beings, 23
 production of NH₃, 30
 productive forces, 28
 ‘robbery agriculture’, 25
 soil fertility, 30
 spatial rift, 25–6
 and systematic character, 23
 temporal rift, 27
 metabolism, 5–7, 13–42, 44–5, 52–61, 64–5, 67, 69, 70*n*12, 71*n*19, 73–99, 103, 115, 117–24, 132*n*5–6, 132*n*9, 133*n*17, 134*n*19, 145, 150, 158, 200, 206
 methodological dualism, 80, 124
 methodology, 3, 6–7, 81, 91–2, 97*n*13, 98*n*17, 98*n*19, 104, 133*n*12, 133*n*16, 146, 247–8
 Mikhailovsky, Nikolay K., 188
 Mill, John Stuart, 209
mir, 186, 195
 Mitchell, Timothy, 40*n*17
 mode of production, 2, 15, 18, 35–7, 59–61, 71*n*22, 93, 106, 118, 121, 136, 138, 146–8, 150–9, 152–3, 155–6, 164*n*13, 166*n*24, 171, 191–2, 202, 221, 233, 238, 244*n*15
 money, 18–19, 65, 93, 121–2, 126, 190, 192, 207, 218, 221, 234, 236–7
 monism, 107–13, 116–19
 Moore, Jason W., 5, 7, 41*n*19, 58–9, 74, 103, 114, 116, 131*n*3, 249
 Moore, Samuel, 50
 More, Thomas, 232–3
 Morgan, Henry L., 197, 206
 Morgan, Lewis H., 190
 Morris, William, 209
 Möser, Justus, 204
 Narodoniks, 186
 natural disaster insurance, 127–8
 natural limits, 14, 18, 29, 56, 59–60, 104, 111–15, 126–8, 131, 132*n*8, 134*n*20, 209, 229
 natural science, 4–6, 8, 15–16, 28, 38, 39*n*8, 44–54, 61, 63, 67–8, 76–8, 172–3
 natural vitality, 203–4
 Neckel, Sighard, 105
 negation of the negation
 commonification of wealth, 229
 co-operative production, 227–8
 expropriation of the expropriators, 227
 expropriators, 227
 private and individual property, 227
 united co-operative societies, 228
 negative emission technology, 34
 Negri, Antonio, 142, 145, 163*n*6
 neoliberal globalization, 13
 network effects and crisis of private property, 142–3
 non-identity of nature 22, 94–5, 99*n*22, 99*n*24, 103–31, 132*n*5
 non-Malthusianism, 103–4
 non-Western societies, 37–8, 67–8, 173, 177, 182, 184–6, 188–91, 195, 198–200, 204, 206, 208–9, 213*n*26
 Nordhaus, Ted, 130
 nuclear fusion, 130
 object’s preponderance, 109
obshchina. See *mir*
 O’Connor, James, 15, 41*n*19, 104, 125–7, 134*n*23

274 | Index

- Ohno, Sadao, 151
ontological dualism, 74, 76, 79–80
ontological monism, 77, 79
 History and Class Consciousness, 87–8
 human metabolism, 88
 knowledge of nature, 87
 labour process, 87
 nature and social factors, 88
Ontology of Social Being, 84, 86
open technologies, 157
Orthodox Marxism, 7, 13–14, 17, 74–5
overproduction, 1, 125, 174
Owen, Robert, 137
- pan-slavism, 189
Paris Commune, 197–8, 209, 215n39,
 227–8
Petty, William, 19
Phear, John, 190–1
Phillips, Leigh, 130
Piketty, Thomas, 3, 9n3
planetary boundaries, 123–4, 128, 229,
 242
Plantationocene, 107
Polanyi, Karl, 221
post-capitalism, 3–4, 6, 8, 66, 135n26,
 139–43, 156–8, 160, 162,
 162n1, 163n2, 166n26, 176,
 182, 198, 208–10, 217, 235,
 240, 247, 249
 full automation and world without
 work, 140
 network effects and crisis of private
 property, 142–3
 zero marginal cost and society of
 abundance, 140–1
posthumanist theory, 124
post-Marxism, 38–9n2, 161
Potter, Edmund, 152–3
- primitive accumulation, 26, 37, 187, 189,
 216–20, 226–7, 232, 242n3,
 243n5
- primitive accumulation theory, 37, 138,
 153, 177, 185. *See also* negation
 of the negation
 commodification, 223
 external natural conditions, 223
 humans and nature, 219
 immense tracts of land, 224
 natural elements, 223
 original unity, 219–20
 wage-labourers, 218
- Prison Notebooks*, 76
- private producers, 121
- private property, 142
- problem of sustainability, 158
- production of nature, 7, 40n11, 73, 80,
 103–4, 107–15
- productive forces/forces of production
 of capital, 8, 71n18, 78, 136–62,
 164n13, 166nn24–5,
 167n32, 171, 177, 185, 200,
 204, 208, 233, 249
- productivism, 2, 8, 15, 43, 110, 124, 155,
 162, 166n26, 173, 177–8, 182,
 199, 205, 208–9, 216, 248
- productivity, 17, 22, 28–9, 44, 48, 64–6,
 125–7, 129, 140, 143, 147,
 150–1, 164n11, 166n26, 232–4,
 236, 238, 249
- profit, 21, 24–5, 27, 31, 52–3, 56, 66, 78,
 118, 121–2, 125–8, 135n24,
 140, 176, 179, 181, 193, 205,
 209, 211n9, 222–4, 229, 237–9,
 244n18
- progress, 2, 8, 15, 17, 22, 25, 66, 68, 77,
 92, 110, 113, 126, 131, 136,
 139, 154, 158, 167n29, 171–2,
 177, 183–4, 191, 209, 229, 245
- Prometheanism, 5, 8, 14, 43, 58, 113,
 137–8, 155, 162, 173, 186, 208,
 245

- property
 - communal, 189–90, 193–5, 200–1, 203
 - individual, 226–8, 232, 243n7
 - private, 21, 142–4, 156, 159, 201–2, 205, 227–9, 243n7
- Proudhon, Pierre-Joseph, 137, 200–1
- public wealth, 225
- race, 27, 59, 89, 105, 186, 216, 241–2
- radical abundance, 232
- rationalisation, 95
- raw materials, 28–9, 38n1, 67, 118, 125–7
- realism, 3, 6, 73–96, 103, 137, 160, 246
- realm of freedom, 55, 60–1, 65, 67, 218, 234–6, 238–40
- real subsumption, 146–7, 156
- Reclus, Eliséé, 209
- reification (reified), 55, 59, 62, 69–70n10, 77–9, 81, 83, 88, 93–4, 96n3, 96n5, 98–9n21, 113, 125, 149, 160, 165n23, 236–7, 244n11
- relations of production, 2, 112, 146, 148, 150, 152, 154–7, 165n20, 171
- relativism, 89
- rents, 61, 142, 176
- revenge, 55–6, 58–65, 73, 103, 114–15, 127, 131
- revolution, 7, 18, 27, 46–7, 83, 139–42, 147, 154, 156, 173–5, 182–3, 187
- Riazanov, David, 16
- Ricardo, David, 209
- Rifkin, Jeremy, 135n25, 140–2
- robbery, 5, 15, 22, 24–6, 29–30, 34, 36, 41n23, 53, 56, 62, 118, 171, 177, 179, 181–2, 190–200, 202, 205, 208–9, 214n29, 216, 250n1
- romanticism, 70n12, 173, 197–8, 203, 207, 211n8
- Rome, 17, 38n1, 112, 186, 202
- Ross, Kristin, 232
- Rudas, Ladislaus, 82–4, 89, 97nn8–9, 97n13
- Russia, 9n2, 38, 45, 47, 69n4, 82, 96n6, 173, 186–99, 203–4, 206–8, 212
- Russian State Archive of Socio-Political History (RGASPI), 45
- Russo-Ukrainian War, 3
- Said, Edward, 182
- Saint-Simon, Henri de, 137
- Saltpetre War (1877–84), 33
- Sartre, Jean-Paul, 47–8
- scarcity, 20, 27, 38n1, 111–13, 136, 141–2, 145, 162, 163n2, 217, 225–6, 229–34, 239
- Schellenberger, Michael, 130
- Schmidt, Alfred, 48, 61, 70n12, 132n5
- Schorlemmer, Carl, 50
- Schumpeter, Joseph, 245
- science, 5–6, 15–16, 18, 28, 34, 38, 39n7, 44–52, 54, 59, 61, 63, 67–8, 76–80, 85, 88–91, 93–5, 96n3, 97n14, 98n19, 112, 123, 126–7, 136–8
- scientific dualism, 80
- scientific socialism doctrine, 175
- second contradiction of capitalism, 15, 104, 125
- second nature, 40n11, 79, 85
- second-order mediation, 21, 27–8, 40nn13–14, 53–4, 57
- serf, 207, 219, 243n5
- Shanin, Teodor, 198
- Shiva, Vandana, 30
- Sieber, Nikolay, 188, 190
- Sismondi, Jean Charles Léonard, 184
- slave, 33, 35–7, 106, 116, 118, 157, 163n4, 183–4, 194–5, 202, 219, 243nn5–6
- Smith, Adam, 134n19, 218, 225
- Smith, Neil, 7, 59, 103–4, 107, 109, 111, 114–15
- social constructivism, 79, 84, 90–1, 93, 107–9, 120, 126
- socialism, 2–4, 6, 9n3, 13–16, 18, 22, 39n4, 46–8, 55–6, 61, 69–70n10, 71n21, 136–67

276 | *Index*

- socialist tendency, 62, 64–5, 186, 200–1, 203
- social labour, 91, 149, 153, 155–6, 158, 160, 178, 189, 219–20, 233, 239
- social metabolism theory, 14, 18–19
- ‘societal relationship with nature’ concept, 109–10
- Soper, Kate, 20, 89–90, 119, 124, 235
- spatial rift, 25–6
- species extinction, 179
- Srnicek, Nick, 5, 137, 140, 142, 144, 167n29, 167n32
- Stanley, John L., 60
- steam engine, 27, 183
- Student Manual of Geology*, 65
- subsumption
 - formal, 31, 146–8, 158, 164n13
 - real, 8, 31, 58, 71n18, 138, 145–50, 153–4, 156, 158–60, 164n10, 166n26, 177, 239, 241
- surplus labour, 165n21, 174, 239, 244n13
- surplus product, 239, 244n13
- surplus-value, 24, 140
- sustainability, 9n3, 67, 128, 158, 160, 186, 201–3, 206, 208–9, 229, 235, 237
- Tailism and the Dialectic*, 74, 81–2, 84
- Technocene, 107
- technofascism, 106
- techno-feudalism, 139
- technological determinism, 15
- technological shift, 30
- technology, 7, 14, 18, 34, 41n23, 105–6, 126, 135n26, 137–42, 146–7, 155, 157, 159–62, 163nn5–6, 166n24, 166n26, 167nn27–8, 205, 230, 236–7
- Teutonic, 186, 197, 200–2, 207, 214n32
- Thunberg, Greta, 2
- time–space compression, 28
- Toscano, Alberto, 137
- underconsumption theory, 125
- unequal exchange, 14, 33, 35–6, 41n22–3, 118, 133n13
- Union of Soviet Socialist Republics (USSR), 1, 13, 15
- use-value, 19, 21, 29, 93–4, 121, 141, 147, 223, 225, 237–9
- Utopian socialists, 137, 160
- valorization process, 23, 93, 146
- Vogel, Steven, 74, 76–7, 79–82, 84, 86, 89–90, 92–3, 96nn3–4, 108–9
- Vollgraf, Carl-Erich, 172, 176, 236
- Wada, Haruki, 173, 189, 191, 196, 198, 212n22, 214–15n35
- Wallerstein, Immanuel, 248
- war communism, 3
- waste, 16–18, 26, 53, 65, 203, 205, 215n37, 224, 226, 232, 235–7, 239
- wealth
 - common, 8, 218, 231–2, 234, 236, 249–50
 - public, 225–6
- wealth, Marx’s concept, 220–6
- Wehling, Peter, 110
- Western Marxism, 6–7, 39n6, 43–5, 47–9, 51, 68n1, 69n9, 74–6, 81–2, 84, 96n2, 133n16, 248
- Wood, Allen, 76
- Wood, Ellen Meiksins, 4, 161
- ‘world-ecology’ theory, 104, 114–15, 118
- Yeats, John, 65, 67
- Zasulich, Vera, 8, 173, 191–3, 198–9, 203–4, 206, 208, 213n27, 214n28
- zero marginal cost, 140–1
- Žižek, Slavoj, 3, 43, 117