INDEX

"A" phase, 311n17 Acceleration, 162 Accumulations, 197 Acknowledgment, gesture of, 47 Adorno, 33 Aesthetic fatigue, 247–250 Aesthetics, 68 Aggressiveness, 173-176, 180, 211. See also Domination; Obliteration; Study for an End of the World, No. 2; Suicide machines Airplanes, 22, 23f, 24 Aldrich, Larry, 167-168, 168f with Op fashions, 170-171f Ambivalence, 164 Anderson, Cheryl, 193 Anthropomorphizing art, 73–74 Anxiety, 113 Apollo 11, 5, 6f, 7, 8 Approximate knowledge, 124 Aristotle, xx "Art and Objecthood." See under Fried Art and the Future (Davis), 272-274 "Art and Time" (Smithson). See "Quasi-Infinities and the Waning of Space" Art in America, 169, 170-171f Art in Movement (Bewogen Beweging), 96 Art object, 275 "ATTENTIONS: ROBOTS," 114

Automation, 57, 105-106, 109-111, 113-116 connotations, 109-110 definitions and meanings, 108-109 Automatism, 55-61, 75 Autonomy over senses, 186 Autopoiesis, 61, 67, 68, 75, 321n59 Autopoiesis and Cognition (Maturana and Varela), 320-321n59 Avant-garde, 139, 178, 229, 230, 271, 276 and neo-avant-garde, 328-329nn25-26 Bachelard, Gaston, 123-124, 334n73 Baldessari, John, 239-241, 241f, 350n42 Ballet magnétique (Takis), 95f Bateson, Gregory, 67-68, 80, 245 Battock, Gregory, 283, 284 Beauty, 59 Behaviorism, 342n84 Bell, Daniel, 332n42 Bell, Larry, 40, 41f Beniger, Joseph, 190 Benton, Fletcher, 97-98 Bergson, Henri, 122-123 Bernal, J. D., 273–275 Black-and-white works. See under Riley Bodily confusion, 212

Bodily space, 207 Bonnards, Pierre, 188 Boredom, 288 Borgzinner, Jon, 183 Bourdon, David, 343n89 Brand, Stewart, 62-63f Braudel, Fernand, 299, 301, 303, 305, 306 Brett, Guy, 126, 127 Bridget Riley (Snowden), 155, 158-159f Brinkley, David, 85, 87, 140, 143, 147, 149 Bronowski, J., 231, 232 Buchloh, Benjamin, 80 Bürger, Peter, 328-329n25 Burnham, Jack, 70, 72-75, 77, 239-240, 349-350n39 Bury, Pol, 116-118, 119f, 120-125 Camargo, Sergio, 131 Canaday, John, 104, 190 Causality and causal explanation, 67-68, 245, 246 Cavell, Stanley, 46, 47, 55-60, 319n42, 320n46 Certainties and uncertainties, 104, 164 Chamberlain, John, 16-19, 22 Chandler, John, 275 Change, 106 Cheyenne helicopters, 22, 23f, 24 Christianity, 47, 264, 265, 317n22 Chronophobia, xii, xiv, 8, 38, 81 Chronophobic impulse, xii, 8 Cinema. See Film Cioran, E. M., xi Circular causality, 245, 246 Clark, Lygia, 96, 96f, 131, 132-133f Clothing, 167, 169, 171. See also Dresses Cloud Canyons: Bubble Mobiles (Medalla), 128, 129f

Club of Rome, 354n24

Communication, 64, 65, 69, 70, 246. See also Cybernetics ethics of, 46, 47 over time, 235 Communications media and networks, 330-331n33 Conceptual art, 275 Conditioning, 191 Contemporaneity, problem of, 231, 254-255 Control, 190. See also under Sense ratios Counterculture, 31, 32 Criticism, 61 Cube, 80. See also Grass Cube (Haacke) Current, 155, 156f, 157 Cybernetic Serendipity, 240 Cybernetic temporality, 245 Cybernetics, 62, 64-70, 91, 231, 233, 236, 237, 244, 320-321n59. See also Human Use of Human Beings; "Quasi-Infinities and the Waning of Space" Cybernetics (Wiener), 190, 235 Cyclo-Graveur (Tinguely), 98, 99f, 100

Danger, 173-174 Darboven, Hanne, 288 Davis, Douglas, 272-276 Deleuze, Gilles, 54, 263, 277 Dematerialization (of art), 128, 240, 275 Destruction, 173-176, 180. See also Obliteration; Study for an End of the World, No. 2; Suicide machines Desublimation, 314n51 Dialogue of Hands (Clark), 96f Digital technology, xv Discontinuity, 124, 125 Distance and television, 187 Domestic arts, 171-172 Domination, 26-30. See also Aggressiveness Dresses, 167-169, 170f, 172

361

Drift, 233, 235-239 Driving, xvi Drugs, hallucinogenic, 193-194 Duchamp, Marcel, 96, 97 Duplicity, 179, 182. See also Haptical objects; Illusionism Duration dialectic of, 116-118, 120-125, 357n65 experience of, 44, 45, 280-281 (see also "Long forever") Edwards, Jonathan, 37, 47, 48 Efficiency, 109 Ehrenzweig, Anton, 179-182 Ellul, Jacques, 184 Empire, 330n33 Empire State Building, 279, 282f Empire (Warhol), 282f, 283, 284, 285-286f, 287-288 "End of the World." See Study for an End of the World, No. 2 Endlessness, 44, 45, 48, 49, 307, 356-357n64. See also "Long forever" Ends, 85, 87, 89, 92, 271-278 End-time, 264 Energy, 128 Enlightenment, dialectic of, 246 Entropy, 66, 244 and the collapse of art history, 246-250 "Entropy Made Visible" (Weiner), 248-249 Epistemology, 124 Eternal. See Endlessness "Events are dust," 303 Existence, 90 Experiments in Art and Technology (E.A.T.), 12-13, 15, 21-22 Extensions, 185, 186 "Eye and Mind" (Spalding), 181 Eye Body (Schneemann), 195, 202, 203f "Eye hurting," 173-176

Eye/Body problem defined, 155 Krauss and, 182 Merleau-Ponty and, 181-182 Riley and, 155, 157, 159, 174-176, 181, 196 Schneemann and, 195, 200, 201, 212 and sixties media culture, 159, 181-184, 186, 187, 196, 212 Fall into Time, The (Cioran), xi Fashion(s), 171. See also Dresses; Op fashion(s) meaning and essence of, 172-173 of the times, 172-176 Feedback, 64, 244 Feminine arts, 171-172 Feminism and feminists, 196, 197, 204 Film, 54-55, 60 automatic quality, 54-55 time and, 279-281, 283-284, 287, 288 from total thereness to recursiveness, 55-62 Fission (Riley), 165, 166-167f Focillon, Henri, 200-201, 228 Forecasting, 264-269, 271, 275 Form class, 228 Formalism, 74, 75, 201, 230 Foster, Hal, 329n26 Foucault, Michel, 342n80 Free will, 186, 193 Fried, Michael, 40 "Art and Objecthood," 37-40, 43-50, 54-56, 60, 74, 75, 77 "moral tone" of, 46, 47 Smithson's response to, 48-50 Cavell's dialogue with, 46 and duration, 44-45 ethics of communication, 46, 47 on film, 54-55, 60 and minimalism, 42-45 modernism of, 43, 56 nature, naturalism, and, 49

Fried, Michael (cont.) "presentness is grace," 34, 38, 45, 46 theater, theatricality, and, 38, 45, 49, 54-55, 77, 81 and time, 39, 43-45, 61-62 urgency and moral tone, 46 Future Shock (Toffler), xiii, 103, 104, 265-266 Futurism, 102, 264-267, 272-273 Futurity, 289, 293 Gardiner, John, 127-128 General System Theory, 62, 64, 65, 240, 323n78. See also Systems theory Ghost Rev (Schneemann), 205-207, 208f, 209 Giant Ice Bag (Oldenburg), 10-11, 11f Giorno, John, 280 Globalization, 104, 105, 265, 267, 330-331n33 Gosling, Nigel, 172 Grass Cube (Haacke), 76f, 77, 78, 80, 81 Greenberg, Clement, 40, 43, 52-54, 177-178, 316n7, 319n37 Gutenberg Galaxy, The (McLuhan), 184-186 Haacke, Hans, 76f, 77-78, 79f, 80 Habermas, Jürgen, 353n11 Habituation, 193 Hallucinations, 181, 182, 199. See also Illusionism Hallucinogenics and technics, 192-195 Haptical objects and phenomenal subjects, 176-182, 193 Hardt, Michael, 330-331n33 Hegel, Georg Wilhelm Friedrich, 275-

277 Heidegger, Martin, 90–91, 140–141, 149, 153 Heisenberg, Werner K., 124, 127 Helicopters, Cheyenne, 22, 23f, 24

Hesitate, 167-169 Hess, Thomas, 188-190 High and Low, 171 Highways, 50-52 Historical time, 299, 301, 303, 305 History, 228, 229, 242, 243, 255-256. See also Shape of Time, The (Kubler) technological rationality as suppression of, 33 "History and the Social Sciences" (Braudel), 299 Homage to New York (Tinguely), 134, 135-136f, 137-140 Hopkins, Terence K., 311n17, 331n33 Horvitz, Robert, 254-255 Huebler, Douglas, 73 Huizinga, Johan, 100 Hulten, K. G. Pontus, 98 Human Use of Human Beings, The (Wiener), 218, 231, 234-235f, 246-248 Humor, 100, 101 Hysteria in women, 196, 199 I got up (Kawara), 300-301f Ideology, 42 Illusionism, 165, 176, 178-181. See also Haptical objects I'm Not Going to Commit Suicide, Dont Worry (Kawara), 304-305f I'm Still Alive (Kawara), 302-303f Imagination, 334n73 Improvisation, 60 Infinite perspective, 45 Infinity, bad, 276-279, 281, 289, 301, 306 Infinity Nets, 197 Information Age, 34 Information exchange, 64 Information processing, 108 Information technology, xiii-xiv, xviii Instances, 59 Institutional critique, 78 Intermedia, 205 Intermedia Systems, Inc., 206

363	Invisible, the, 127-128, 181-182
	Ionesco, Eugène, 121, 125

Jameson, Fredric, xv, 263, 307, 311n18, 327n9

Kawara, On, 269, 271, 278, 289, 291, 293, 296f, 297-307, 356n56 I got up, 300-301f I'm Not Going to Commit Suicide, Dont Worry, 304-305f I'm Still Alive, 302-303f One Million Years—Future, 297, 299f One Million Years-Past, 297, 298f Title, 289, 290-291f Today Series, 289, 291, 292f, 293, 294-295f, 306 Keeler, Paul, 126, 127 Kennedy, John F., 110 Kepes, Gyorgy, 69, 70, 71f Kinetic art, 92-93, 159 and the art world, 93-98, 100-105 historical uncertainty evoked by, 104 international dimension, 104 prewar history, 103 "ruptures" into the narrative of, 116-118, 120-128, 130-131, 133 Toffler on, 103-105 "Kinetic image," 108 Kiss (Riley), 162, 163f Kiss (Warhol), 281f Klüver, Billy, 12 Koch, Stephen, 280, 281 Koerner, Joseph, 317n22 Kondratieff cycle, 311n17 Koselleck, Reinhardt, xii, 265, 277 Kozloff, Max, 24, 191, 194 Krauss, Rosalind, 58-60, 178-179, 181, 182, 227, 309n3 Kubler, George, 221, 223, 245-246, 249-250, 252-256, 347n15 actuality for Smithson, 223, 225, 227-231, 233 Horvitz's interview of, 254-255 as Mesoamericanist, 223, 225

model of time, 242–243 *The Shape of Time*, 223, 224f, 227– 231, 241–242, 246, 254, 255 Kuh, Katherine, 97 Kuhn, Thomas, xxi Kusama, Yayoi, 197, 198f, 199, 200

Language abridgment of, 30-32 of blindness, 208-209 Laocoön (Lessing), 52, 55 Le Mouvement, 96, 98 Leafleting, 331-332n35 Lessing, G. E., 52, 318n32 Life of Forms in Art (Focillon), 200-202 Limit conditions, 43 Lippard, Lucy, 275 Literalist sensibility, 44, 45 Lockheed Aircraft Corporation, 22, 23f, 24 "Long forever," 48-51 Longue durée, 299, 301, 303 Los Angeles County Museum of Art (LACMA) Art and Technology program, 9, 12, 14-17, 21, 22, 24, 28, 30 catalog, 19 Luhmann, Niklas, 66, 321-322n60, 324n82 Lye, Len, 94f Lyotard, Jean-François, 261-264, 307 Machines. See Automation; Technology Making of a Counter-Culture, The (Roszak), 31 "Manifesto for Statics" (Tinguely), 106, 107f Manovich, Lev, 69 Marcuse, Herbert, 26-33, 313n34, 314n47 on art, 26 background, 25-26

Eros and Civilization, 26, 28

Marcuse, Herbert (cont.) One-Dimensional Man, 27 "The Affirmative Character of Culture," 139 Mattering of time, 128 Maturana, Humberto R., 320-321n59 McLuhan, Marshall, xvi, 110, 194-195, 266 The Gutenberg Galaxy, 184, 185 Understanding Media, 186-189 Mechanization, 109 Medalla, David, 126-128, 129f, 130 Medium, 51-52, 60, 69 time and, 52-54 "Memories of Mike" (Bell), 40, 41f Memory, 33 Merleau-Ponty, Maurice, 181-182 Metalogical, 77-78, 80-81 Metalogue, defined, 80-81 Meta-matics, 105, 111, 112f, 113-115, 117, 133, 134, 139 Metanarrative, 306, 307 Metaphor(s), 231, 233, 242 Meyer, James, 46, 47 Middle (condition), 51-55 Minimalism, 80, 81, 277-279 the anthropomorphic within, 74 Burnham on, 74, 75 Fried and, 42-45 Greenberg on, 40 Meyer on, 46 technology and, 68 time and, 43-44 Minimalist cube, 77, 78 Minimalist objecthood, 75, 77 Minimalist sculpture, 44-45, 51 as musical loop, 316-317n13 Modernism, 37, 52, 54-56, 178, 223 as chronophobia, 39-40, 42-48 Modernist art, 45 Modernist painting, 57-59 Modernity, xii, 264 MoMA Visitor's Poll (Haacke), 78, 79f Moore, Gordon, 268-269, 270f, 271

Moore's law, 269, 270-271f Movement, 106. See also Film Museum of Modern Art (MoMA), 133-134, 137-139, 160, 167, 188 Nature and naturalism, 49 Negri, Antonio, 330-331n33 New Jersey Turnpike, 50, 52 "New media," xv, xvi, xix, 69, 192, 271 Nietzsche, Friedrich, 356-357n64 9 Evenings: Theater and Engineering, 12, 15, 16, 72 1960s, xxii, 259, 307. See also specific topics forecast in, 264-269, 271 No. Green, No. 1 (Kusama), 198-199f Noncontemporaneity, xi Norris Industries, 20f North American Rockwell Corporation, 20f Norvell, Patsy A., 243 Numbness, 194-195 Obliteration, 195-197, 199-202, 204-207, 209, 211-212, 214 Observation, 66 Oldenburg, Claes, 10, 11f One Million Years—Future (Kawara), 297, 299f One Million Years—Past (Kawara), 297, 298f 1110 Dots Leaving a Hole: Punctuation (Bury), 118, 119f One-dimensional man and society, 27-30 Ontogenesis, 64 Op (art), 157, 178, 179, 341n64, 342nn79-80, 343n89 feminization, 171 history, 159 illusionism, 176 Riley and, 157, 159, 161, 168-169, 171-174, 188, 196

sense ratios, the problem of control, and, 183-192 technics, hallucinogenics, and, 192-195 and the "Two Cultures," 159-161 Op art dresses, 168-169, 170f "Op Art's Tiny Time Pill" (Anderson), 193 Op fashion(s), 169, 171-174, 187 Aldrich with, 170-171f temporality, 173-174 Open endedness, 45 Optical painting, 157, 178-179. See also Op Organization, 64, 65 Oster, Gerald, 193-194 Painting for Kubler (Baldessari), 241, 241f Paradigm shifts, xxi-xxii Passivity, 190 Perceptual abstraction, 161 Periodic structure, 164 Perpetual presents, 278-281, 283-284, 287-289, 291, 293, 297-299 Perpetual revolution/self-creation, 46 Phobias then and now, xiv-xviii Photography, 54, 57, 319n37 Physics, modern, xx Political artists, 78 "Pop goes to Op," 173 Postmodernism, 261-263, 307 Postmodernism (Lyotard), 261-264 Prediction. See Forecasting Presence, 316n7, 319n42 Presentness, 45, 57, 59, 60, 70, 319n42 of kinetic art, 101 time beyond, 62 "Presentness is grace," 38, 45, 46 Prime objects, 228-229 Probabilities, 264-269, 271 Programming, 190-191, 193 Protestants, 317n22 Psychological warfare, 331-332n35

222f, 223, 230, 232f, 233, 250-254 RAND Corporation, 16-18, 22, 29 Rational prognosis, 264-265 Rationality vs. irrationality, 27, 33, 34 Rauschenberg, Robert, 12 Recursion/recursiveness, 57, 60-61, 64, 67, 68, 75, 323n76 Refutation, 49, 61 Remembrance, 33 René, Galerie Denise, 96, 327n12 Repetition, difference within, 164, 277 Repression and oppression, 26-27 Reproduced reproductions, 252 Reschler, Nicholas, 353n21 Responsive Eye, The, 160, 161, 178, 183, 188, 191, 192, 204 Retinal art. See Op Revelation, 181 Revolution, 8 Rickey, George, 328n24 Riegl, Alois, 177 Riley, Bridget, 181, 190 and art criticism, 177-178 black-and-white works, 162, 163f, 164-167f Bridget Riley (Snowden), 155, 158-159f career as artist, 161-162, 165, 167-172, 174 Current, 155, 156f, 157 exchange with Sylvester, 175-176 and Eye/Body problem, 155, 157, 159, 174–176, 181, 196 and fashions of the times, 174-176 Fission, 165, 166-167f illusionism, 165, 176, 178, 180-181 and interconnectedness of senses, 176 Kiss, 162, 163f Krauss and Ehrenzweig on, 179-182 meets Larry Aldrich, 167, 168f and Op, 157, 159, 161, 168-169, 171-174, 188, 196

"Quasi-Infinities and the Waning of

Space" (Smithson), 219, 220f, 221,

365

Riley, Bridget (cont.) painting in the show Hesitate, 167-169 phases in the experience of her paintings, 180 pleasure, pain, aggression, and the art of, 173-176, 180-182 position toward her work, 181 Schneemann compared with, 159, 195, 200, 212 "The Hermaphrodite," 196 version of transcendence, 195-197, 200, 212, 214 as woman artist, 157, 159, 171-172, 190, 196 Robots, 114. See also Automation Root, Waverly, 115 Rorimer, Anne, 289 Roszak, Theodore, 31-32 Rupture. See Signals; Slowness Sainte-Phalle, Niki de, 87, 89, 141, 143 San Diego, 313n31 Schivelbusch, Wolfgang, xvi Schneemann, Carolee, 345n124 Eye Body, 195, 202, 203f Ghost Rev, 205-207, 208f, 209 and language of blindness, 208-209 Snows, 205-206, 209, 210f, 211 USCO and, 205-206 version of transcendence, 195, 200-202, 204-212 Science, history of, 124 Scientific revolutions, xxi Sculpture, 40, 42-44, 54, 74-75. See also Minimalist sculpture Secret Life of Hernando Cortez, The (Chamberlain), 17 Seitz, William C., 160-161, 190-191 Self-amputation, 194-195. See also Obliteration

Self-creation, 46 Self-criticality, 45, 61 Self-destructive art, 151. *See also* Suicide machines

Self-reproduction, 75 Sense ratios defined, 184-185 and the problem of control, 183-192 Senses, 176-177, 181, 202, 204-205. See also specific senses Serra, Richard, 9, 10f Sexuality, 26, 204 Shape of Time, The (Kubler), 223, 224f, 227-231, 241-242, 246, 254, 255 Sign, Image, Symbol (Kepes), 70, 71f Signals, 125-128, 130-131, 133 time and, 242-243 Sine Curve Man (Csuri), 273f "Singular object," 53, 55 Skepticism vs. antiskepticism, 46-47, 49 toward artists, 87 Skullcracker series, 9, 10f Sleep (Warhol), 279, 280, 280f Slowness/dialectic of duration, 116-118, 120-125, 357n65 Smith, Tony, xvii, 43, 50-51 Smithson, Robert, 218, 219, 221-222, 224, 250-254, 256, 348n29 on Fried's "Art and Objecthood," 48-50 interview of, 243 Kubler's actuality for, 223, 225, 227-231, 233 "Quasi-Infinities and the Waning of Space," 219, 220f, 221, 222f, 223, 230, 232f, 233, 235 "Some Void Thoughts on Museums," 221 "Ultramoderne," 221, 225, 226-227f, 230 Snow, C. P., 13-14 Snowden, Lord, 155, 156f, 157 Snows (Schneemann), 205-206, 209, 210f, 211 Socrates, 53 Software: Information Technology. Its New Meaning for Art, 70, 72, 73

367

Space, waning of. See also "Quasi-Infinities and the Waning of Space" stars, art, and, 253-255 Space-time continuum, 201 Spalding, Frances, 181 Spatial (accounts of) time, 122 "Specific object," 42 Spinoza, Baruch, 357n64 Square, 80. See also Grass Cube Stabilities and instabilities, 164 Statics, 106, 124-125 Stevenson, James, 212-213f Structuration, 323n76 Study for an End of the World, No. 2 (Tinguely), 85, 86f, 87, 88f, 89, 92, 139, 142f, 143, 144, 145-146f, 147, 148f, 149, 150f, 151, 152f, 153 Suicide machines, 133-134, 137-141, 143-144, 147, 149, 151, 153 Swiss character and stereotypes, 115 Sylvester, David, 174-175 Symbols, visual, 70, 72 Systems, 61-70, 72-75, 77-78 meanings, 62 open, 65-66, 323n71 problem with, 243-246 promise of, 239-243 "real-time," 78 Systems aesthetics, 68, 239, 274 Systems analysis, 65, 69, 77 Systems discourse, 62, 64, 65, 75 Systems theory, 61, 62, 64-67, 72-74, 77, 320-321n59, 321-322n60. See also General System Theory Systems-oriented society, 243 Tactile sense, 177, 179. See also

Haptical objects and phenomenal subjects Takis, 95f, 126 Techne, xx Technics, 26, 27 and hallucinogenics, 192–195 Technocracy, 31–32 Technological determinism, 186 Technological rationality/thinking, 26-30, 32-33 Heidegger's critique of, 91 Technological Society, The (Ellul), 184-185 Technology, xiii-xxi, 64. See also Automation; Sense ratios; Signals; Suicide machines; Systems art and, xx-xxi, 7, 14, 34 (see also Experiments in Art and Technology; Kinetic art; Los Angeles County Museum of Art) "Two Cultures" divide, 13, 25, 28, 30, 69-70, 159-161, 189 eros, civilization and, 9 (see also Marcuse) as means to an end, 15-16 Technophobia, 30 Television, 144, 184, 186-189 Temple, Greek, 91 Theater. See also under Fried time and, 44-45 Theatricality, 38, 43, 48-49, 67, 75. See also under Fried Time, 8, 33. See also specific topics calling over, 233, 235-239 literalist preoccupation with, 45 (non)entitlement to, xi obsession with, xiv Tinguely, Jean, 85, 86f, 88f, 89, 90, 93, 106, 124-125 in America, 133-134, 137-141, 143-153 Bury compared with, 116-117 Canaday on, 104 Cyclo-Graveur, 98, 99f, 100 "For Statics," 122 Homage to New York, 134, 135-136f, 137-140 and kinetic art, 98, 102-105, 108, 116 "Manifesto for Statics," 106, 107f "Meta-matics," 105, 111, 112f, 113-115, 133, 139

Tinguely, Jean (cont.) Study for an End of the World, No. 2, 85, 86f, 87, 88f, 89, 92, 139, 142f, 143, 144, 145-146f, 147, 148f, 149, 150f, 151, 152f, 153 suicide machines, 133-134, 137-141, 143-144, 147, 149, 151, 153 technology and, 104, 105, 110, 116 (see also Meta-matics) vision of world, 144 worlds of, 91-92 Title (Kawara), 289, 290-291f Today Series (Kawara), 289, 291, 292f, 293, 294-295f, 306 Toffler, Alvin, xiii, 103-105, 265-266 "Total thereness," 58-60 Touch. See Tactile sense Transcendence, a woman artist's version of, 195-197, 199-202, 204-207, 209, 211-212, 214 Transience, 92, 103, 104, 116, 153 Trickery. See Illusionism Tuchman, Maurice, 21, 34 "Two Cultures" divide, 13, 25, 28, 30, 69-70, 159-161, 189 "Ultramoderne" (Smithson), 225,

226–227f, 230 Universe (Lye), 94f USCO (Us Company), 205–207

Valéry, Paul, 52–53 Varela, Francisco J., 320–321n59 Vasarely, Victor, 96, 97 Vietnam, 192, 211 Violence. *See* Destruction; Obliteration Virilio, Paul, 8 Virtual movement (in time), 159, 164 Virtual temporality of the environment, 160 "Visual rape," 206–207. *see also* "Eye hurting" Visual tempi, 157, 164, 196 von Bertalanffy, Ludwig, 64, 65, 322n67, 323n71 Wallerstein, Immanuel, 331n33 Warhol, Andy, 269, 271, 278-281, 283, 287, 288 attitudes toward time, 279 Empire, 282f, 283, 284, 285-286f, 287-288 Kiss, 281f Sleep, 279, 280, 280f Weber, Samuel, 187 Whitney, John, 274f "Whole System" (Brand), 62-63f Wiener, Norbert, 244, 252, 256 Cybernetics, 190, 235 drift, 233, 235-239 on entropy, 244, 246-248 The Human Use of Human Beings, 218, 231, 234-235f, 246-248 theory of control, 238 "Will Moore's Law Stand Forever?," 269, 270-271f Wittgenstein, Ludwig, 46 Women, 171 in art, 100 Women artists, 157, 190, 195. See also specific artists version of transcendence, and obliteration, 195-197, 199-202, 204-207, 209, 211-212, 214 World Viewed, The (Cavell), 55-60 World(s) concept of, 90 systems analysis, 65, 69, 77 (see also Wallerstein) within worlds, 89-93

Y2K phenomenon, 259-261