

# Index

*Note:* Page numbers followed by “*n*” indicate footnotes.

- Abouleish, Ibrahim, 133
- Absolutism, epistemological and moral, 87
- Ad Astra (school), 19
- Aesthetics
  - Marxist, 44
  - organizational, 45
  - product, 77
  - scepticism, 118
  - understanding, as source of knowledge, 51
- Age of Enlightenment, 7
- Age of Imagination, 1
- Age of Knowledge, 1, 15, 17
- Agent provocateur, role of artist as, 182
- Aguilera, Christina, 79
- Alto, Alvar, 82–83, 93, 210
- Americans for the Arts, 195
- An Post, National Book Awards, 169
- Analytical imagination, 85
- Andersen, Hans Christian, 34
- Animals, humanities-oriented studies of, 95
- Ant Farm architectural collective, 122–123
- Anthropocene, 81, 91, 103–104, 114, 135
- Anthroposophical principles, 134
- Antonioni, Michelangelo, 60–61
- Arendt, Hannah, 10
- Aristotle, xi, 17, 28, 35, 94, 101, 118
- Arkwright, Richard, 29–30
- Aronson, Rory Landon, 132
- Art of Management and Organization (AoMO), 45
- Art
  - art-making, 211
  - art-perceiving, 211
  - as way to promote reflection through projection, 156
  - conceptual, 44
  - non-commodified, 44
  - performance, 44
  - thinking, 164
- Arts
  - activist and political, 44
  - arts-based interventions, 46, 145, 153
  - arts-based learning, 44, 54–55, 210–211
  - arts-based learning methods, use in business, 155–156
  - arts for and with business, 47–49, 53, 189–202
  - arts-in-business, field of, 45
  - disruptive business of, 47, 51–53
  - entrepreneurship, 75–78, 81, 86
  - infusion effect, 176
  - marketization of, 86
  - monetizing, 195
  - non-commodified, 44
  - programmes, in-house, 191, 200
- Arthus-Bertrand, Yann, 125
- Artificial Intelligence (AI), 2, 9–10, 23, 116<sup>n</sup>5, 192–194, 197–198, 201–203
- Artist as entrepreneur, 78–79
- Artistic interventions, 44, 46, 168
- Artistic skills, transfer to non-artistic contexts, 48
- Artists in Residence programme (Sweden), 180

- Arts & Business, 49  
 Arts + Social Impact Explorer,  
   197–198  
 Arts in Residence in Science  
   initiative, 172  
 Arts management, 75, 189–190, 202  
   as business strategy, 189  
   in creative industries, 200  
 Augmented intelligence, 194  
 Augmented reality, 187, 201  
 Austen, Jane, 61, 64  
 Awareness, used for breeding  
   wisdom, 156–157
- Bach, Johann Sebastian, 167  
 Bacon, Francis, 3, 112  
 Badaracco, Joseph L., 66  
 Baichwa, Jennifer, 126  
 Baku, 74  
 Ball, Lilian, 122  
 Ban, Shigeru, 74, 82, 84–85  
 Banksy, 79, 130–131, 202  
 Bard, James, 10  
 Barker, Mandy, 124–125  
 Barnes, Julian, 61  
 Bauhaus, 73–74, 79–82, 85–86, 119, 191  
 Beethoven, Ludwig van, 167, 212  
 Bell Labs, 177–178  
 Benz, Bertha, 33  
 Benz, Karl, 33  
 Berger, John, 60–61  
 Berlin, Isaiah, 14  
 Berridge, Eric, 193  
 Beuys, Joseph, 3, 74, 81–82, 85–86,  
   120–123, 134  
 Biodiversity crisis, contemporary, 94  
 Bioengineering, 194  
 Biosemiotics, 96  
 Birriotti, Maurice, 66  
 Blanqui, Adolphe, 30  
 Blockchain, 193–194, 201–202  
 Böll, Heinrich, 82  
 Bonnard, Pierre, 175  
 Books@Work, 65–66  
 Borges, Jorge Luis, 15–16, 117  
 Boulton, Elizabeth, 114, 134–135
- Bradbrook, Gail, 130  
 Branson, Richard, 201  
 Braque, Georges, 4  
 Breuer, Marcel, 80  
 Bronowski, Jacob, xii  
 Buechley, Leah, 133  
 Building design, biometric  
   approach to, 123  
 Burtynsky, Edward, 125  
 Business to Arts, 169–170
- Cage, John, 13  
 Cai Guo-Qiang, 123  
 CalArts, 190  
 Calvino, Italo, 21  
 Carnegie Institute of Technology, 194  
 Carpigiani, Bruto, 8  
 Carson, Rachel, 113  
 Cattaneo, Carlo, 37  
 Centre Pompidou-Metz, 83  
 Cézanne, Paul, 12  
 Chin, Mel, 122  
 Chishti, Zia, 23  
 Christo, 126  
 Clément, Gilles, 123  
 Climarte, 112, 128  
 Climate communication research, 115  
 Cloud-computing, 10  
 Club of Rome, 113  
 Cognitive capabilities, as occurring in  
   non-humans, 96  
 Cognitive conflict, 17, 21, 26  
 Cognitive flexibility, 146  
 Cohen, Leonard, 61  
 Cohen, Randy, 195  
 Collective creation, 86  
 Comenius, John Amos, 18  
 Communities, 26, 35, 36, 44, 74, 87,  
   155, 189, 199, 201, 202, 203  
   as aggregate of organisms, 102  
   development of, 134  
   local, 170, 189, 197  
   Renaissance, 22  
   sustainable, 188  
   urban, impact of arts and culture  
     on, 198

- Community reading projects,
  - analysis of, 62
- Communitization, xi
- Complex adaptive system theory, 208
- Complexity theory, 208–210
- Confucius, 3
- Consumer creativity, 171–172
- Consumerization, xi
- Consumerism, 79, 152
- Cornelius, Peter von, 15
- Corporate social responsibility, 189
- Cousteau, Jacques, 178
- Craftsmanship, 4
- Crawford, Stefan, 130
- Creative
  - destruction, 13, 78, 82
  - eco-activism, 130–131
  - ethics, 144
  - ethos, 151–152
  - ignorance, 3, 16, 20
  - industrialization, 75–76, 80–81, 86
  - industries, 48, 75–76, 189, 195–197, 200
  - knowledge, 50
  - thinking, wiser forms of, 9, 128, 144, 150, 156, 165, 172, 191–192, 209
- Creatives, 24
- Creativity, 6–7, 9, 67–68, 120, 144, 148–153, 165, 171–172, 177, 181
  - and innovation, 2, 45, 51–52, 61, 64, 67–68, 149, 176, 181
  - as value-neutral construct, 144
  - based on real-world challenges, 152
  - cognitive aspects of individual, 150
  - concern about marketized, 151
  - darker side of, 144–146
  - definition of, 144
  - in academic and popular literature, 150
  - other-focused, 174
- Creators, systemic, 82, 112
- Crowd funding, 82
- Crowd sourcing, 172
- Crutzen, Paul, 103, 114
- Cubist movement, the, 13
- Cullen, Catherine Ann, 170
- Cultural
  - capital, 78
  - leadership, 76–77
  - philanthropy, 75
- d’Ascanio, Corradino, 22
- d’Este, Isabella, 6
- da Vinci, Leonardo, xiii, 7, 11
- Dante Alighieri, 35
- Darwin, Charles, 7, 12
- Data security, 202
- de Chirico, Giorgio, 4
- de Pencier, Nicholas, 126
- Deep ecology, 81, 100, 105
- Deep framing problem, 114
- Deliberative thinking, 144
- Dell, Michael, 25
- Depero, Fortunato, 4
- Descartes, René, 112, 118
- Design thinking, 82, 146, 164, 168
- Design work, 150
- Deterritorialization, 62
- Dewey, John, xii, 19, 149
- Dickens, Charles, 61–63, 67
- Digital and connected technologies, 86
- Dilthey, Wilhelm, 95–96
- Dion, Mark, 122
- Disequilibrium models, 87
- Disney, Walt, 13, 190
- Disruptor, role of artist as, 182
- Dobson, Michael, 62
- Dogme 95 movement, 68
- Doherty, Peter, 128
- Dorfles, Gillo, 22–23
- Doriot, Georges, 5
- Drucker, Peter, 5, 209
- Dual mind, theory of, 115
- Duchamp, Marcel, 4
- Dylan, Bob, 173
- E-commerce, 6, 10, 25
- Earth Forum, 122
- Eco-art movement, 122
- Eco-entrepreneurial movement, 131

- Eco-entrepreneurialism, 130–131, 135  
 Eco-entrepreneurs, 131–132  
 Eco-innovation, 133  
 Eco-STEAM Entrepreneurialism, 135  
 Ecocriticism, 97  
 Ecological awareness, era of, 116, 119, 123, 128  
 Ecological footprint concept, 104  
 Economic  
   growth, paradigm of endless, 98  
   performance, anthropocentric notions of, 91  
   stakeholders, in context of global human ecology, 104  
   value, 18, 22, 81, 87, 97, 101, 119  
 Economics  
   and quality of life, 93  
   non-anthropocentric conception of, 94  
   ontology and ethics of, 106  
 Economy, more-than-human, 106  
 Ecosystem, 14, 65, 102, 114–115, 122, 131, 133, 209  
 Education, role of arts in, 165  
 Education systems, 61, 152  
 Educational policies, 61, 194  
 Einaudi, Luigi, 19  
 Einstein, Albert, 13, 18, 36  
 Eliot, George, 60, 63, 66  
 Ellison, Larry, 25  
 Emotional intelligence, 49, 194  
 Emotions, 10, 19, 33, 49, 113, 118, 165, 214  
 Empathy, 11, 19, 61, 64–67, 85, 149, 156, 192, 194–195  
 Enlightenment, The, 6, 112, 118  
 Entrepreneurial art, 13, 131  
 Entrepreneurial mindset, 33, 62  
 Entrepreneurial vision, 74, 88  
 Entrepreneurship, 2, 7–9, 11, 17, 22, 27, 36, 38, 47, 61–62, 73–88, 131, 135, 145, 209–210  
 Environmental change, 121, 152  
 Environmentalism, 105  
 Epistemology, aesthetic, 210–211  
 Epstein, Robert, 38  
 Erasmus of Rotterdam, 5, 18  
 Etzkowitz, Henry, xiii  
 Exponential Experience Economy (E3), 189  
 Extinction Rebellion, 130–131  
 Facebook, 145, 147–148, 158–159, 190  
 Factum Arte, 74  
 Fairey, Shepard, 79  
 FarmBot Project, The, 132  
 Feininger, Lyonel, 80  
*Festina lente*, 3, 5  
 Firestein, Stuart J., 3  
 Fitzgerald, F. Scott, 63  
 Flexibility, 51–52, 165, 172  
 Form Follows Function, 100  
 Four Bottom Lines, 197  
 Free International University (Beuys), 82, 120  
 Free will, 96–97  
 Fridays for Future movement, 113  
 Friedrich, Caspar David, 7  
 Fuller, Richard Buckminster, 123  
 Futurists (as innovator type), 24  
 Gaia, 113  
 Gale, Matthew, 175  
 Galenson, David, 12–13  
 Galiani, Ferdinando, 6  
 Galilei, Galileo, 21  
 Gallagher, Alva, 169–170  
 Gamboa, Jorge, 126  
 Gaming skills, 190  
 Gaskell, Elizabeth, 62  
 Gates, Bill, 25  
 Gender Inequality Index, 93  
 General Theory of Resources, development of, 102  
 German mysticism, 121  
 Ghandi, Indira, 32  
 Ghosh, Amitav, 112, 118  
 Gibson, Peter, 127  
 Glastonbury music festival, 202  
 Global Entrepreneurship Monitor, 87

- Global Happiness Council, 19, 38  
 Global plastic crisis, 126  
 Globalization, 33, 135, 198  
 Goethe, Wolfgang von, 32–33  
 Google, 145, 148, 164, 190  
 Graduates, employability of, 61  
 Graffiti, 78–79  
 Great Pacific Garbage Patch, 132  
 Greene, Graham, 65–66  
 Gris, Juan, 4  
 Gropius, Walter, 79–80  
 Gross, Bill, 31  
 Grove, Andrew, 25, 26, 200  
 Guariglia, Brice, 126–127  
 Gucci, 192
- Haacke, Hans, 122  
 Hackathon, 167, 173, 191  
 Hakkens, Dave, 132  
 Hallam, Roger, 130  
 Hamel, Gary, 166, 209–210  
 Hamilton, Clive, 112  
 Handy, Charles, 17  
 Happenings, 44  
 Haring, Keith, 79, 176  
 Harris, Tristan, 148  
 Harrison, John, 29–30  
 Heidegger, Martin, 119  
 Hertz, Heinrich, 27–28  
 Heuristic processes, as source of  
     knowledge, 51  
 High-Low Tech Group, 133  
 Hippocratic Oath, 199  
 Hitchcock, Alfred, 12  
 Hollywood, 189, 195, 201  
 Horizon 2020, 8  
 Horne, Lewis, 133  
 Hughes, Robert, 33  
 Human
  - dignity, 97
  - exceptionalism, 97
  - nature, epigenetic rules of, 11, 181
  - needs fulfilment, saturation point  
     for, 101
  - supremacism, 97
 Human Development Index (HDI), 93
- Human-centred, 144–145, 148–149,  
     153, 156
  - disciplines, 153
  - products and processes, 151
  - thinking, 144
  - values, 143–158
 Humanism, 7, 11, 96, 145  
 Humanistic values, 145, 198  
 Humanities, anthropocentric  
     heritage of, 94  
 Hyperobject, 114, 116–118, 120
- Ibbotson, Piers, 50, 54–55  
 Iese Business School, 63  
 IKEA, 16, 80, 172  
 Improvisational theatre, 174  
 Incrementalism, 2, 9, 16, 25, 166  
 Industrial Age, 203  
 Industrial Revolution, 7, 10–11, 24,  
     30, 195  
 Industrialism, early, 44  
 Innovation alliances, 177  
 Innovative capabilities, 62  
 Intel, 164  
 Interdisciplinary education, 64, 67  
 Internet of Things, 10, 116*n*5, 190,  
     201–202  
 iPad, 11, 163, 188  
 iPhone, 16, 28  
 Irving, John, 176  
 Itten, Johannes, 80  
 Ive, Jony, 191
- James, Henry, 61  
 Jameson, Annie, 28  
 Jay-Z, 176  
 Jobs, Steve, 5, 11, 25, 31, 188  
 Judt, Toni, 116
- Kabat-Zinn, Jon, 156–157  
 Kahneman, Daniel, 38, 49, 115, 175  
 Kandinsky, Wassily, 80  
 Kanin, Garson, 53  
 Kant, Immanuel, 97  
 Kepler, Johannes, xii  
 Keynes, John Maynard, 3, 6, 25, 92

- Klee, Paul, 80  
 Kluver, Johan Wilhelm, 178  
 Kohler Arts Residency  
     Programme, 179  
 Kraft Heinz, 166  
 Kristiansen, Ole Kirk, 4  
 Kuhn, Thomas, xii, 86, 118  
 Kurzweil, Ray, 194  
 Kuznets, Simon, 37
- Lady Gaga, 176  
 Lanchester, John, 62  
 Lao Tzu, 211  
 Lateral thinking, 164  
 Latour, Bruno, 135, 138  
 Le Goff, Jacques, 30  
 Leadership, integrative form of, 174  
 Learning, domain-specific, 155  
 Learning-oriented relationships, 168  
 Léger, Fernand, 4, 7  
 Lego, 4, 172  
 Leibovitz, Annie, 176  
 Leopardi, Giacomo, 32, 113  
 Lerner, Maxwell Alan, 29  
 Levi, Primo, xiii  
 Liberal arts curriculum, 143, 145,  
     153–158  
 LilyPad Arduino construction kit, 133  
 Location-based entertainment, 201  
 London Interdisciplinary School, 68  
 Lunar Men, 4  
 Lunar Society of Birmingham, 4  
 Lustado, Vina, 133  
 Lyft, 25, 147
- Machine learning, 10  
 Magritte, René, 20, 60  
 Management, art of, 174  
 Mankiw, Greg, 159  
 Manjoo, Farhad, 147  
 Mann, Thomas, 32  
 Manutius, Aldus, 5  
 Marconi, Guglielmo, 27–28  
 Marconi Company, 28  
 Market logic, 75, 77  
 Marriot, James, 123
- Marshall, George, 116  
 Matisse, Henri, 167  
 Maugham, Somerset, 53  
 Maxwell, James Clarke, 27–28  
 Meaning-making, 96, 115  
 Medical VR industry, 192  
 Medici family, 195, 203  
 Mercedes-Benz, 33  
 Metrics, 69, 165, 197  
 Metropolitan Museum of Art,  
     The, 175–176  
 Meyer, Hannes, 80  
 Mindfulness, 156–158, 166  
 MIT Media Lab, 133  
 Mixed communities, vision of,  
     104–105  
 Mobile Internet, 10  
 Modernism, 80, 119, 135  
 Moholy-Nagy, László, 80  
 Monbiot, George, 112  
 Monet, Claude, 176  
 Morse, Samuel, 2  
 Morton, Timothy, 114, 116, 118, 126  
 Mozart, Wolfgang Amadeus, 167  
 Mozart Effect, the, 36  
 Musil, Robert, 28  
 Musk, Elon, 19, 135
- Næss, Arne, 81, 100–101, 104  
 Nanotechnology, 10  
 Negroponte, Nicholas, 16  
 Neo-Schumpeterian, 82  
 New International School of  
     Japan, 19  
 New knowledge, development  
     of, 149  
 Newton, Helmut, 176  
 Newton, Isaac, 16, 37  
 Nizzoli, Marcello, 22  
 Nokia, 32  
 Nokia Bell Labs, 177  
 Nolan, Kate, 170  
 Nordhaus, William, 98, 114  
 North, Marianne, 7  
 Novelty  
     artists as experts in producing, 50

- as criterion for defining creativity, 150
  - as element of creative product, 144, 150
  - as requirement of creativity, 144
  - dark side of the business of, 51
  - emphasized by work processes, 50
  - global trend towards, 47
- Ocean Cleanup venture, 132
- OECD, 93–94
- Olivetti Lettera 22
- Organizational creativity, 164–165, 171–173
- Organizational efficiency, 48
- Originality, as dimension of divergent thinking, 172
- Orta, Jorge, 123
- Orta, Lucy, 123
- Orwell, George, 26
- Palladino, Robert, 5
- Pantheon, The, 6
- Papini, Giovanni, 18–19
- PARC Artist in Residency Programme (PAIR), 180
- Partnoy, Frank, 175
- Pasteur, Louis, 27
- Patronage, 75, 203
- Pawlyn, Michael, 123
- Perec, Georges, 67–68
- Perkol-Finkel, Shimrit, 133
- Perotto, Pier Giorgio, 82, 112
- Photography, 60, 76, 124
  - documentary, 170
  - role in raising global environmental awareness, 125
- Piaggio, 22
- Picasso, Pablo, 4, 13, 20, 53
- Picasso's cheap turpentine, 47, 53–55
- Pinker, Steven, xiv, 159
- Pixar, 164, 191–192, 203
- Planetary Garden concept, 123
- Platform group, 123
- Plus Tate, 78
- Pollock, Jackson, 178
- Pompidou Centre, 83
- Pop-up organizations, 52
- Pope Francis, 114
- Popular culture, 157, 189–190, 202
- Positivist philosophy, 112
- Possibilist, 26–29
- Posthumanism, 95
- Posthumanities, 95
- Precious Plastic movement, 132
- Priestley, Joseph, 4, 27
- Pritzker Architecture Prize, 82
- Pyramid of Human Capabilities, 209–210
- Rand, Ayn, 99
- Rauschenberg, Robert, 178
- Realists (as innovator type), 24
- Recorde, Robert, 11
- Regan, Tom, 100
- Rembrandt, 74
- Renaissance, The, 2, 8, 11–12, 17
- Renaissance Man, 164
- Renan, Ernest, 32
- Rio Declaration, The, 113
- Rio Declaration 1992, 81
- Roadsworth, 127
- Robertson, Emma, 124
- Robotics, 10, 193
- Rolland, Romain, 25
- Romantic artists, 7
- Romantic gardens, English, 7
- Romanticism, 44
- Romantics (as innovator type), 24
- Röntgen, Wilhelm, 27
- Rural/Digital (design group), 133
- Sachs, Jeffrey, 38, 118
- Sacks, Shelley, 122
- Santa Fe Institute, 31
- Santayana, George, 35
- Scarab Experiment, 202
- Sceptics (as innovator type), 24
- Schiller, Friedrich, 23
- Schumpeter, Joseph, 85
- Science fiction, 26, 188
- SEKEM, 133–134

- Self-organization, 208–209  
 Sella, Ido, 133  
 Semiotic freedom, 96–97  
 Semiotics, 95  
 Sen, Amartya, 39  
 Seneca, Lucius Annaeus, 4, 30  
 Servization, xi  
 Shalon, David, 212  
 Short-termism, 197  
 Siemens, 190  
 Silicon Valley, 24*n*3, 147, 158–159, 188–203  
 Silo mentality, 63  
 Slat, Boyan, 131–132  
 Slow Food movement, 175  
 Slow looking, 173–176  
 Slow media, 120  
 Slow news, 175  
 Smart buildings, 189  
 Smart cities, 189, 201  
 Smith, Adam, xiv, 176  
 Snow, C.P., xiii, 164  
 Social  
   architecture, 81  
   behaviour, influenced by  
     community arts events, 87  
   benefits, produced by arts  
     entrepreneurship 78  
   capital, 84, 87, 189  
   challenges, using art and science to  
     confront, 120  
   entrepreneur, 132, 133  
   exclusion, art gallery dealing  
     with, 78  
   innovation, 8, 46, 48, 53, 81, 86  
   intervention, use of art as tool of  
     and for, 44  
   media, xiii, 75, 79, 147, 148, 172, 195  
   network, 87  
   sculpture, 81, 120, 122, 134  
   value creation, 74, 86, 87  
 Soft skills, 187  
 Sontag, Susan, 60  
 Speed, David, 79  
 STARTS Programme, 8  
 STEAM, 8–10, 20, 135, 187, 194–195, 203  
 Steiner, Rudolf, 134  
 Stockil, Tim, 49–50  
 Stoermer, Eugene F., 114  
 Stolzl, Gunta, 80  
 Story walks, 170  
 Sturgess, Donna, 48  
 Stüttgen, Johannes, 122  
 Super wicked problem, 115–116  
 Sustainability, 48, 78, 82, 88, 102, 104, 126, 128, 198  
 Sustainable Business Network of  
   Massachusetts, 198  
 Sustainable Business of the Year, 198  
 Sustainable development, concept of,  
   113–114  
 Sustainable Development Goals  
   2030, 114  
 Symons, Debbie, 129  
 Systems theory, 97  
 Tacitus, Publius Cornelius, 26  
 Taleb, Nassim, 16  
 Terzani, Tiziano, 18  
 Theatrical improvisation, 173–174  
 Thiel, Peter, 149  
 Thiel Foundation, 149  
 Thornton, Sara, 14, 61–62  
 Thunberg, Greta, 113  
 3D printing, 201–202  
 Tinguely, Jean, 178  
 Tintoretto, 74  
 Tisdall, Caroline, 122  
 Toynbee, Arnold, 30  
 Trans-managerialism, 14–15  
 Transnational business activity, 86  
 Trollope, Anthony, 63  
 Turner, J. M. W., 7, 176  
 Uber, 25, 34, 147  
 Uglow, Jenny, 4  
 Ukeles, Mierle Laderman, 122  
 Umwelt theory, 91, 95, 99  
 Uncertainty, 67  
 Unilever, 164

- Uniti project, 133  
 Utilitarian mindset, rejection of, 68  
 Value  
     anthropocentric notions of, 94  
     creation of, 97, 165  
     different conceptions of in ethical theory, 100  
     pluralism, 87–88  
 Van Dyck, Wayne, 22  
 Van Gogh, Vincent, 167, 173  
 Vender, Helen, 159  
 Virtual reality, 188, 201  
 Virtuoso teams, orchestras as, 210  
 Vision 2057, 134  
*Vitruvian Man*, 7  
  
 Warhol, Andy, 176  
 Watson, Judy, 128  
 Watt, James, 4, 11, 29  
 Wedgwood, Josiah, 4  
 Weldon, Fay, 64  
 Weldon, Marcus, 177  
  
 Wells, Horace, 27  
 Wheeler, Wendy, 96–97  
 Whyte, David, 50, 166  
 Wireless Telegraph and Signal Company, 28  
 Wise creativity, 143, 144, 145, 151, 152, 153, 155, 156, 158  
 World Happiness Report, 38–39  
 Wozniak, Steve, 25  
 Writer in Residence programme, 170  
  
 Xenakis, Iannis, 130  
 Xerox, 179–180  
  
 Yeats, W.B., xv  
 YouTube, 148  
  
 Zara, 16  
 Zeno of Elea, 34  
 Zoosemioticians, 95  
 Zoosemiotics, 95  
 Zuckerberg, Mark, 145, 148, 158–159