
Index

- Abbot, Edwin, 36
 Africa, 54, 61–2, 127, 128
 AIDS, 66
 Akbar, 117
 Aldrin, Edwin, 184
 America, 30, 57, 59, 127–8
 Amerindians, 127–9
Antic Hay, 13,
 Antwerp, 154, 164
 April Bright, 46
 Armstrong, Neil, 7, 184
 Ashanti, 134–5
 Atlatl, 31–6, 62
 Atomic bomb, 171–2
 Auden, W. H., 1
 Auks, Great, 64
 Australia and Australian
 Aborigines, 28, 30, 34, 38,
 40–1, 43, 46, 54, 59, 65, 66–7
 Australopithecines, 3, 7–8, 12, 13,
 17, 19–21, 28, 42
 Aztec, 34, 38, 44–5
 Babur, 117
 Back (spine), 10
 Barker, Mary Anne, 43–4
 Baseball, 22
 Battuta, Ibn, 94
 Becker, Emil, 159, 161–2
 Belloc, Hillaire, 137
 Berry, Wendell, 40
 Big Bertha (*see* Paris Gun)
 Bingham, Paul M., 25
 Bipedalism, 4, 9, 17
 Birth rates, 64–5
 Black Death, 86
 Bladensburg, 134
 Bombard, 113–17, 140–1, 143–4,
 150–2
 Bordeaux, 123
 Boston, Bruce, v
 Bow and arrow, 36–9, 73–80, 104
 Boxers, 138
 Brachiation, 19, 21.
 Brain, 3, 5, 18

INDEX

- Braun, Wernher von, 157, 160,
 175, 177–85
 Breech-loaders, 136–8
 Brown Bess, 132
 Buffon, Comte de, 67
 Bureau, Jean, 123
 Byzantines, 89–92
- Calvin, William H., 23–4
 Canary Islands, 27
 Cartmill, Matt, 69
 Catapults, 81–2
 Chang Hsien, 95
 Chhin Chün, 84
 Chimpanzee, 2, 17–8, 20
 China, 96–103, 108–9, 125, 138,
 174
 Churchill, Winston, 149
 Civilization, 71
 Civil War (U.S.A.), 137
 Clausewitz, Karl von, 95
 Coenders, August, 150
 Cold War, 173–4
 Congreve, William, 132, 134–5
 Conrad, Joseph, 139
 Constantinople, 115–6
 Cook, James, 34, 73, 118–9
 Cooking, 42
 Copenhagen, 134
 Cordite, 138
 Cortés, Hernan, 72–3, 87
 Crécy, 131
 Crimean War, 135, 137
 Crossbow, 77–81
 Curvier, Georges, 55
- Darius the Great, 39
 Darwin, Charles, 13, 16, 34, 53
 David, 22, 72–3
 Dennell, Robin, 16, 30
 Disease, 65–6
 Disney, Walt, 180
 DNA, 1–2
 Dodos, 56, 64
 Dornberger, Walter R., 159–62, 165
- East India Co., 134
 Edward I, 86
 Edward III, 131
 Einstein, Albert, 170
Eleanor, 19
 Elephants, 35–6, 62–2,
 Ethiopia, 12
 Europe, 54, 120–9
 Extinctions, 52–69
- Fair American*, 119
The Fat Woman on the Moon,
 157, 162
- Femur, 10
 Fermi, Enrico, 170
 Fire, 4, 15, 30, 40–9, 63, 87–94
 Fire-lance, 99
 Firestick farming, 43–8
Flatland, 36
 Florence, 120
 Florida and Indigenes, 39
 Foot, 8–9, 11
 France, 121–4
 Franklin, Benjamin, 104
 Frison, George C., 35–6, 62–3

INDEX

- Gagarin, Yuri, 182
 Gaia, 198–9
 Galileo Galilei, 173
 Gatling, Richard, 137
 Gaulle, Charles de, 152
 Genesis, v, 49
 Ghost dance, 139
 Glenn, John, 182
 Goddard, Robert H., 155–6, 176–7
 Gorillas, 26
 Graves, Robert, 141–2
 Greek fire, 89–92
 Gunpowder, early history
 bombs, 97–8,
 display, 105
 guns, 99–100,
 invention, 96–7,
 rockets, 101–3
 Gunpowder empires, 114–20
- Hahn, Otto, 168
 Hainault, Count of, 87
 Hale, William, 135–6
 Hand, 8, 19, 41,
 Handaxes, 28–9
 Hanger, Colonel, 130, 132
 Hardy, Thomas, 44
 Hauhau, 139
 Hawaii, 118–20
 Hearthland, 71, 93–4
 Herodotus, 39, 75
 Hitler, Adolph, 141, 150, 163,
 168–9
 Hodgson, Marshall G. S., 114
 Hoffman, Jeffrey A., 191
- Hogg, Ian V., 131
 Holland, 127
 Holocene, 40f
 Hominids, 16–7, 21, 28–9, 41
 Homo sapiens, 4, 25, 30, 42, 49,
 50–59, 68, 70, 169, 196
 Horses, 53
 Hundred Years War, 121–3
 Huxley, Aldous, 13
- Ice age, 57
 Inca, 34, 38
 India, 104, 117, 133–4
 Industrial Revolutions, 42–3, 136,
 138
 Intelligence, 3, 18
 Ishi, 37–8
 Italy, 123–4
 Ivan III, 117
 Ivan the Terrible, 117
- James, Henry, 1
 Japan, 109–12
 Javelin, 30
 Jesuits, 109
 Jewish scientists, 169
 Jesus, 26
 Johnson, Lyndon B., 182
 Jones, Rhys, 45
- Kamehameha, 119–20
 Keats, John, 43
 Kennedy, John F., 182
 Kennedy, Joseph, 151
 Kepler, Johann, 173

INDEX

- Key, Francis Scott, 135
 Khaldun, Ibn, 16, 24
 Khysrau, Amir, 104
 Klasies, South Africa, 31
 Knuckle-walking, 17–8
 Krupp, 140
 Kung Sheng, 101
- La Pérouse, Comte de, 27
 Latz, Peter, 47
 Lehrer, Tom, 149
 Leonardo da Vinci, 124
 Lewis and Clark, 43
 Lewis, Thomas, 197–8
 Liquid fuel rocket, 156, 158
 London, 154, 164
 Longfellow, Henry Wadsworth, v,
 31, 37
 Lovejoy, Owen, 17, 20
 Lovelock, James E., 198–9
 Ludendorf, Erich, 142
 Lyell, Charles, 55
- Machiavelli, 123–4
 Machine gun, 137, 141–2
 MacLean, Norman, 24–5
 Madagascar, 54, 58, 59, 67
 Mahometta, 115–6
 Malik-I Maidam, 114
 Mammoth, 31, 34
 Manchus, 108
 Manhattan Project, 171–2
 Mars, 195, 198
 Martin, Paul S., 56, 60
 McNeill, William, 114
 Meat, 26–7, 29
- Mediterranean coasts, 48
 Megafauna, 52, 58–9
 Mehemed II, 115
 Mexico City (Tenochtitlán), 128
 Michelangelo, 124
 Migration, 15, 29, 52
 Millimetre cannon, 112–3
 Milton, John, 105–6
 Mitchell, Edgar, 192–3
 Mittelwerk, 163, 184
 Moas, 49, 63
 Mongols, 85–6, 94
 Mons Meg, 121
 Montaigne, Michel de, 110, 127
 Moon shot, 182–4
 Mughals, 117, 133–4
 Muslims (*see also* Ottoman
 Turks), 83, 89, 91, 94, 104
 Muzzle-loaders, 131–2
- Nagashino, 110
 Neanderthal, 68
 Neolithic, 71
 New Zealand, 49, 54, 58, 59, 67,
 63, 139
- Oberth, Hermann, 155–8, 181,
 184
 O’Connell, Mark, 48
 Oda Nobunga, 110
 Odysseus, 76–7
 Opium War, 135
 Oswald, Lee Harvey, 22
 Ottoman turks, 114–16
 Overseas empires, 125–9
 Owen, Wilfrid, 130

INDEX

- Paleolithic, 31, 49–69
Paradise Lost, 105–6
 Paris Gun (Big Bertha, William's Gun), 143–5, 162
 Peenemünde, 164, 175
 Peloponnesian War, 89
 Perry, Matthew, 112
 Petroleum, 88
 Philostratus, 88
 Physics, revolution, 165–8
Ping fa, 88
 Pioneer 10, 186–90
 Pleistocene, 16, 40, 56–7
 Pliocene, 16
 Portuguese, 109–10
 Polo, Marco, 85, 94
 Prometheus, 41, 43
 Psalms, 70
 Pynchon, Thomas, 149
 Pyne, Stephen J., 41

 Richard I, 80
 Rinderpest, 65
A River Runs Through It, 24–5
 Rockets, pre World War II, 100–3, 132–6,
 Roosevelt, Franklin D., 169–71
 Rudolph, Arthur, 184–5
 Russia, 117–8

 Sagan, Carl, 186
 Sailing ships, 125–6
 Saltpeter, 96–7, 121
 Saturn rocket, 183
 Schlieffen Plan, 140
 Schöningen, 29–30, 42

 Selim III, 77
 Selim the Grim, 107
 Shepard, Alan, 192–3
 Shoulders, 19
 Siberia, 118
 Sling, 72–3
 Smallpox, 65
 Snow, C. P., 196–7
 Soddy, Frederick, 167
 Soto, Hernando de, 37–8
 Space travel, effect on body
 gravity, 194,
 mental, 195,
 radiation, 194–5,
 Speer, Albert, 162, 168
Sputnik, 182
 Strassmann, Fritz, 168
 Stellar sea cow, 55–6
 Stoning, 26
 Sun Tzu, 88
 Szilard, Leo, 169

 Tanzania, 12
 Taoism, 96
 Teamwork, 25
 Teller, Edward, 169
 Terraforming, 45
 Theophanes, 90
 Thieme, Hartmut, 29
 Throwing, 4, 15, 18, 21, 22,
 24–5, 27–8, 39, 192–3
 Timofeevich, Ermak, 118
To My Brothers, 43
 Tools, 4, 20
 Toyotomi Hideyoshi, 110–11
Trace italienne, 124

INDEX

- Trebuchets, 82–7
 Tsiokovsky, Konstantine, 155, 191
 Union of Soviet Socialist Republics
 (USSR), 174, 175, 178–9, 182
 United States of America,
 169–71, 174
 Urban, 115
 Uzziah, 82
 V-1, 152–4
 V-2, 158–65
 V-3, 150–2
 Venus, 198
 Verbiest, Ferdinand, 109
 Verne, Jules, 155
 Versailles Treaty, 159
 Villehardouin, Geoffrey de, 70, 91
 Vision, 18
 Viveash, Myra, 13
 Walking, 1–12
 Wallace, Alfred Russel, 50, 55
 Wang I, 86
 Washington D.C., 134
 Wells, H. G., 155
 Whales, 53, 68
 Wigner, Eugene, 169
 Williamson, Thomas, 133
 Wood, Frederic, 8
 Wood, Searles, 60
 World War I, 139–45, 147
 World War II, 149–71
 Wrists, 18
 Xerxes, 75
 Zimbabwe, 35
 !kung, 62