

# Index

- acquired immuno-deficiency syndrome (AIDS) 40, 41  
Anders, William 28  
ASCII 203
- Bergsten, Fred 81  
Berlusconi, Silvio 172-3  
bioethics 32  
biological diversity 34-5, 44  
Bosnia 189-91  
Bretton Woods 80, 82-3  
- 'new Bretton Woods' 80-6  
British Broadcasting Corporation (BBC) 170  
*Bulletin of the Atomic Scientists* 177
- Cable News Network (CNN) 170, 187  
chlorofluorocarbons (CFCs) 1, 35, 40 *see also* ozone layer  
citizenship 8, 91-6, 120, 209  
civil society 97-9  
Clausewitz 105  
climate change 34, 40  
Club of Rome 140  
Colchester, Nicholas 227  
common heritage 32-3  
communication and society 15-16, 209-229  
Consultative Group on International Agricultural Research (CGIAR) 64  
Crimean Tartars 99  
cyberspace *xv*, 16, 194-200, 211
- Dag Hammarskjold Foundation 137  
Darwin, Charles 101
- debt crisis 64-5, 74  
defence expenditure, *see* military expenditure  
deterrence 107-8, 122  
development 136-9, 149-50  
Dyson, Freeman J. 177
- economic problems *xiii*, 4-6 *see also* debt crisis, international financial flows
- conditions for achieving economic growth with high social and environmental standards 72-86
  - growing gap between rich and poor 57-60
  - inability of developing countries to compete in global markets 65-8
  - technological change 60-3
  - unemployment 60-2
- education for world citizenship *xiv*, 11-12, 141 145-54, 186-7, 216
- curricula for scientists 150-4
- electronic communications *xv*, 15-17, 29-30, 129, 175, 176 193-208, 209-29, *see also* electronic mail *and* Internet
- bulletin boards 194, 196-7
  - language issues 202-4
- electronic mail (e-mail) 15, 127, 177, 193, 194, 201, 202, 205, 225, 226
- energy use 4, 41-2
- environmental problems *xii*, 3-4, 38-53, 64, 123 *see also* biological diversity; climate change; ozone layer

- depletion of natural resources 42-3
- environmental refugees 47
- measuring human impact on environment 45-8
- solutions 48-50
- ethnic conflict *viii-ix*, 103, 110, 210, 217-9
  - conflict between ethnic communities and nation state 219-222
  - peaceful coexistence of ethnic communities and nation state 223-6
  - resolution of 16, 121, 131-3
- evolution 100-101
- fossil fuels 41
- Freire, Paulo 148
- French Revolution 102, 105, 215
- Gibson, William 196
  - global cooperation 4, 50
  - global interdependence 2-6, 38
    - economic *xi, xiii*, 4-6, 54-90
    - environmental *xi*, 3-4, 38-53
  - global police force 7, 118
  - global village 215
  - global warming, *see* climate change
  - globalization 54-90, 213
- Gore, Al 200
- Goulet, Denis 136
- greenhouse effect/gases, *see* climate change
- Group of Seven 69, 70-71
- Havel, Vaclav 97
- Helleiner, Gerald 84
- Homer-Dixon, Thomas, 218
- human rights 10, 94, 107, 119, 135-6
- Huntingdon, Samuel 218
- Innis, Harold Adams 210-11
  - international cooperation, *see* global cooperation
  - international financial flows 68-70
  - increasing financial flows to developing countries 77-80
- International Monetary Fund (IMF) 83, 84
- Internet *xv*, 15, 16, 158, 163, 175, 178, 184, 194, 195-208, 211-12, 224-6
  - abuses 204-6, 212, 224-6
  - cost/charges 17, 200, 204-5, 208, 224
  - hardware/communications software 17, 207
  - World Wide Web 175, 201-2, 208
- Johnson, Samuel *ix*
- Kaplan, Robert 55, 132, 134-5
- Kennedy, Paul 55, 113, 116, 141, 213
- Keynes, John Maynard 61, 70
- Kohlberg, L 119
- life sciences 31-2
- loyalty systems *x*, 26, 37, 119, 189, 216
  - expanding human loyalties *xiii-xiv*, 134-42
  - loyalty to humankind *x, xiv*, 10, 11-12, 17, 139-42
- machine translation 16-17, 178-9, 204
- Mandela, Nelson 184
- Manhattan Project 25
- Maritain, Jacques 137, 138
- mass media *xiv*, 2, 13-15, 29, 167-80, 215

- correcting misleading information 192
- objectivity of *xv*, 13-14, 170-3, 181-92
- role in promoting world citizenship 179-80
- role in war in former Yugoslavia 189-91
- role in war in Vietnam 189
- role in world affairs 167-80, 185
- McLuhan, Marshall *xv*, 16, 210, 215, 217, 226
- McNamara, Robert 3, 18
- military expenditure 112-3
- military forces 112-3
- Morgenthau, H. 100
- multinationals 62, 65-8
- Murdoch, Rupert 170
  
- Napoleon 105
- nation state *xi-xii*, *xiii*, 91-125, 167, 178, 210, 215, 217-19, 227
- autonomy of 7, 117-8, 119, 121
- conflict with aspirations of ethnic groups 219-222
- coexistence with ethnic groups 223-6
- evolution of 99-110
- need for nation state to adapt 6-10, 123-4
- nationalism 102-3, 108, 110, 111-12, 115, 185, 214-15
- net primary production 44-5
- new world order 110-16
- news, *see* media
- non-governmental organizations 97-8
- (Nuclear) Non-Proliferation Treaty *ix*
- nuclear war *viii*, 27-8
- nuclear-weapon-free world *vii*
- nuclear weapons *vii*, 2-3, 18, 180, 218
- Nye, Joseph 116
  
- objective information, *see* media, objectivity of
- official development assistance (ODA) 63, 77-78
- ozone layer 35, 40
  
- Paine, Tom 94
- patriotism 105-6, 108, 119-122
- population increase *xi*, 4, 41-2, 47, 58-9
- printing press 211, 214, 222
- Pugwash Conferences *vii*, *viii*, *xii*, 28, 132, 146, 176-7, 207-8
- Student Pugwash USA 155, 207
  
- quasi-nations 9-10, 126-33, 197, 199
  
- radio 170, 191 *See also* media
- Rahman, Anisur 149
- Reischauer, Edwin 141
- Reuters 170-1
- Rheingold, Howard 212
- Rotblat, Joseph 216-17
- Russell-Einstein Manifesto *vii-viii*, 27
- Russia 114-6
- Rwanda 3, 7, 48, 112
  
- SatelliteLife project 185
- Satir, Virginia 141
- science and technology *xii*, 1-2, 21-37, 150, 211-12
- characteristics of 20th century science and technology 22-5
- international cooperation 25, 35

- military applications 23-4
- openness in science 130-1
- role in creating global interdependence x-xi, 129-30, 212
- universality of science 130
- scientific community *xiii*, 9, 16, 126-33, 150-4
- NEEDS community 126-8
- social responsibility of scientists 11-12, 150-4
- self-determination 8, 103, 120-1
- social evolution 25-6, 100, 213-19, 220-2
- Somalia 7, 112
- sovereignty *xiii*, 6-7, 104-8, 109, 110, 117-8, 123
- Soviet Union 7
- space age 28-30
- sustainable development 10, 33-4, 48-9
  
- television 170-1, 173-4 *see also* media
  - zapper 173-4
- Thant, U 141
- Tinbergen, J 118
- Tobin, James 80
- Treaty of Westphalia 100, 104
- Turner, Ted 170
  
- United Nations 139
  - Charter 107
  - Conference on Environment and Development (UNCED) 4, 33-4, 48
  - news gathering service 14, 191
  - UNESCO 185, 191
- United States of America 116
- USENET 196-7, 198
  
- Vreme* 14, 189-90
  
- warfare 118
  - evolution of 104-6, 108-9
- war-free world *viii*, *ix-x*
- water
  - source of conflict 43
- weapons of mass destruction 2-3, 180
- Western Fortress 114-5, 116
- Wilson, Andrew 99
- World Bank 83, 85
- world citizenship *xi-xii*, 27, 37, 141, 169, 178, 179-80, 209, 215-6, 223, 224, 226
  - education for *xiv*, 11-12, 141 145-54, 186-7, 216
  - rationale 1-2
- World Federalist Organization 155
- world government *xi-xii*, 216
- World Meteorological Organization 174-5
- World Trade Organization 85
- World War I 103, 106, 108, 109, 120
- World Wide Web, *see* Internet
  
- xenophobia *xi*, 185
  
- youth movements *xiv*, 12, 155-66
  - strengths 162-5
  - weaknesses 157-62
- Youth '95 159-60, 164
- Yugoslavia 7, 14, 189-91