

## INDEX

- Abbott, Lyman 427  
*The theology of an evolutionist* 427
- academies, scientific, *see* societies, scientific
- Accademia dei Lincei 73, 141
- action at a distance 162, 164, 214, 258
- activity, divine 158–206, 383, 399, 413, 427, 430–1, 452, 453, 457  
*see also* God, activity of in a mechanical universe; intervention, divine; providence
- adaptation, conceptions of in Lyell and Darwin 351, 355, 377–8  
*see also* natural theology
- Agassiz, Louis 63, 384–5, 404, 410, 412, 419
- agnosticism 48, 207, 254, 262, 353, 415  
 threat to Christianity from 244–57
- Agrippa, Cornelius 93
- alchemy 85–92, 162, 168, 197, 202
- Alembert, Jean Lerond d' 207  
*Discours préliminaire* 207
- al-Farisi 58
- Alhazen 58
- American Association for the Advancement of Science 469
- anatomy, and natural theology 291–2, 293–4, 300–1  
*Anoplotherium* 331–2
- Anthropological Society of London 380
- anthropology 380–1
- Antichrist 79, 185
- anticlericalism 48, 77, 124, 211, 222–3, 226–30, 272, 297, 403–5, 411
- apologetics, use of revisionist historiography in 57–68
- Aquinas, Thomas 78, 80–2, 108, 192, 265–6, 286
- Arabic contribution to science 58–9
- archaeology 381
- archetype, in philosophy of Richard Owen 294, 301
- argument for design (*see also* causes, final; natural theology) 18, 32, 48, 75, 104, 153, 169, 181, 194, 198–9, 201, 214, 238, 244–5, 247–9, 261–306, 325, 383, 385, 388, 391–2, 413, 427–8, 430–1, 432  
 Diderot's critique of 235–6  
 Hume's critique of 246–50  
 Kant's critique of 277–8
- Aristotle 70, 71, 72, 74, 80, 81, 82, 83, 84, 97, 98, 136, 137, 161
- Aristotelian philosophy 49, 70, 72, 83, 85, 97, 112, 122, 123, 136, 143, 146, 164, 169, 170, 178, 192  
 on planetary motion 161

## Index

- synthesis with Christian theology 78, 80–2  
 ark, Noah's 10, 39–41, 315  
 Assagioli, Roberto 444  
 astrology 79, 85  
 atheism 60, 107, 153, 182, 183, 190, 191, 214, 215, 217, 223, 225, 227, 232, 236, 241, 249, 264–5, 270, 304, 305, 325, 330, 353, 374, 405, 413–14, 422, 429  
 atomism 99, 157, 164–9, 181, 184, 190, 192, 215, 220, 241, 254, 435  
 Augustine, St. 10, 51, 84, 105  
 authority, issues of 74, 104, 128, 129, 133, 136, 231, 244, 265, 275, 303, 314, 418, 421, 424, 425  
     *see also* Scripture, authority of  
 Aveling, Edward 408  
 Averroes 80  
  
 Bacon, Francis 7, 29, 65, 72, 75–6, 93, 95, 103, 110, 126, 147, 149, 151, 155, 156, 169, 389, 461  
 Bacon, Roger 78–80, 108  
 Baer, Nicolai Reymers 121–2  
 Bates, Henry Walter 391–2  
 Beale, John 149  
 beast-machine, Descartes's doctrine of 172–6, 191  
 belief, religious: as constitutive of explanatory systems 39–41, 291–2  
     as discussed by Charles Darwin 383–4  
     as motive for science 31–3, 42, 56, 151–2, 385–6  
     as presupposition of science 26–9, 42, 56, 438  
     role of (in discussions of scientific methodology) 34–5, 42, 189–90, 438  
     (in limiting science) 76, 463  
     (in reinforcing aesthetic criteria for theory selection) 37, 38, 42, 202, 446  
     as sanction for science 30–1, 42, 56, 148–9, 438  
     therapeutic functions of 440–4  
 Bellarmine, Robert 131–2, 137–8  
 Bentley, Richard 42, 197, 214–15, 217, 220, 253, 303  
 Bergerac, Cyrano de 190  
 Berthelot, Marcellin 254  
 Bible, the 29, 39, 51, 55, 93, 95, 102–3, 129–30, 184–5, 190, 240, 241, 258, 262–3, 287, 307, 314, 319, 321–2, 325, 335, 339, 368–70, 371, 374, 376, 380, 402, 419, 424–7  
     authority of 34, 51, 72–3, 76, 79, 95, 103–7, 118, 122, 129–30, 134, 143, 260, 262–3, 320–1, 357–66, 369, 372, 383, 424, 425–6  
     (*see also* Scripture, authority of)  
     biblical authorship 19, 104–5, 358, 366, 370–1, 424–5  
     biblical criticism 307–8, 313, 315–16, 357–66, 410–11, 424–5  
     convergence with scientific criticism 367–73  
     literal interpretation of 39–41, 43, 93, 121, 129–31, 202–5, 313–14, 320–1, 357–8, 376  
     principle of biblical accommodation 61–2, 72–3, 76, 105–7, 121, 130, 137, 145  
     reinterpretation of 54, 111, 113, 131, 203–5, 424–5

Cambridge University Press

978-1-107-66446-3 - Science and Religion: Some Historical Perspectives

John Hedley Brooke

Index

[More information](#)

## Index

- Bible, the (*cont.*)  
 rules of interpretation according  
 to Newton 202–3  
 biology, and materialism 232–8  
 Bohr, Niels 446, 448–56, 458  
 Bölsche, Wilhelm 408, 417  
 Bonnet, Charles 309  
 Boyle, Robert 17, 18, 25, 75–8,  
 92–3, 101–3, 148–9, 154, 160,  
 165, 169, 171, 184, 189, 191,  
 193–5, 214, 253, 276  
 in defense of God's sovereignty  
 176–83  
 Boyle lectures 214–17, 264, 270–1  
 Bradlaugh, Charles 264–5  
 Brahe, Tycho 35, 120, 122, 133  
 planetary system according to  
 27, 122–3, 132, 139  
 Brewster, David 34, 325  
*Bridgewater treatises* 287, 326  
 British Association for the  
 Advancement of Science 31,  
 45, 55, 67, 276, 288, 373, 384,  
 389, 412, 422  
 Brown, Herbert C. 25  
 Browne, Thomas 72  
*Religio medici* 72  
 Bruno, Giordano 37–8, 52–3, 96,  
 98–100, 114, 161, 228  
 Büchner, Ludwig 408–11  
 Buckland, William 39, 273–6, 287,  
 288, 293, 295, 300, 303, 311,  
 332, 340–1, 343–4, 370  
 Buddhism 8, 426, 458  
 Buffon, George-Louis Leclerc,  
 Comte de 300, 308, 317–22,  
 326–7, 335  
*Epoques de la nature* 319–20  
*Histoire naturelle* 317  
 Bultmann, Rudolph 5  
 Buridan, Jean 82  
 Burnet, Thomas 10–14, 200  
*Sacred theory of the earth* 10–14
- Butler, Joseph 232  
*The analogy of religion* 232  
 Butterfield, Herbert 1
- Calvin, John 52, 76, 127–8,  
 129–30, 148, 243, 265  
 capitalism 110, 354, 397  
 Capra, Fritjof 457–8  
*The Tao of physics* 458  
*The turning point* 457  
 Carnegie, Andrew 397  
*The gospel of wealth* 397  
 Carpenter, William 386, 428–9  
 catastrophism: in geology 326,  
 330–6, 350  
 Lyell's critique of 336–40  
 causality 26, 71–2, 97, 162, 167–8,  
 171, 184, 190, 200, 220, 237,  
 249, 254, 277–8, 337, 367,  
 410, 414–15, 446, 451  
 distinction between primary and  
 secondary causes 47–8, 350,  
 420  
 Hume's analysis of 252–4  
 cause, first 29, 81, 246–7, 277  
 causes, final 72, 75, 97, 100, 102,  
 177–8, 295, 301, 304–5, 414  
*see also* argument for design;  
 providence; teleology  
 censorship 62, 111, 132, 134–45,  
 151, 272, 408  
 chain of being 238–9, 309, 327  
 Chalmers, Thomas 287, 370  
*Bridgewater treatise* 287  
 Chambers, Robert 302–3, 379  
*Vestiges of the natural history of  
 creation* 302–3, 305–6, 379  
 chance 322–3, 325, 385, 386,  
 414–15, 422, 430–1, 452  
 Charles I, king of England 155  
 Charleton, Walter 154, 164,  
 168  
 chauvinism, cultural 57–9

## Index

- chemistry: of Boyle 165  
of Paracelsus 89–93  
of Priestley 240
- Christ, Jesus 113, 127, 130, 185,  
207, 226, 230, 262, 264, 336,  
360–6, 368, 406, 444  
atonement of 128, 243, 426  
divinity of 52, 225, 371  
miracles of 94, 182, 360–6  
moral teaching of 283  
real presence of 191–2, 254  
as redeemer 89, 118, 383  
resurrection of 358–9, 365  
as second Adam 426  
second coming of 32, 79,  
149–50, 362, 366
- Clarke, Samuel 213–14, 218, 220,  
253, 303  
correspondence with Leibniz  
218–21
- classification of species 324, 326–8,  
331, 345–6, 376–7, 385  
*see also* Darwin, Charles;  
Linnaeus, Carl
- Coleridge, Samuel 304
- Collins, Anthony 198
- comets 133, 139, 200–1, 205, 250,  
319, 321
- comparative religion 425
- complementarity: in modern  
physics 449, 452–6  
between science and religion 4,  
47, 434–7, 439, 452
- Comte, Auguste 414
- conflict thesis 2, 15, 25–6, 42–56,  
62, 67–8, 210–11, 374–5  
critique of 42–56, 222–3,  
374  
*see also* relationship between  
science and religion, conflict
- consciousness 423, 425, 436, 444,  
454, 456–8, 470
- Conybeare, William Daniel 344
- Copernican theory, reception of  
119–47
- Copernicanism, challenge to  
traditional cosmography  
112–19, 230
- Copernicus, Nicolaus 16, 63, 83,  
110–12, 117–18, 120, 122–3,  
125, 128–9, 442  
*De revolutionibus* 117, 120, 128  
heliostatic theory of 16, 32–3,  
38, 50, 52–3, 69, 72–3, 76,  
98–100, 105–7, 112–19  
*Corpus hermeticum* 53, 85  
*see also* Trismegistus, Hermes
- correlation of parts, principle of  
331–2, 334
- correspondences, magical 91,  
92–3, 161–2
- Council of Trent 131–2, 192
- Counter-Reformation 11, 126–34
- creation: concepts of 32–3, 76, 93,  
97, 99, 102–3, 172, 184, 191,  
194, 198, 219, 220–1, 228,  
237–8, 268, 286, 299, 314–15,  
319–20, 321–2, 330, 333–4,  
342, 368–9, 379–81, 383–5,  
388, 399, 413–14, 415, 420,  
424, 427–30  
as criticized (by Chambers) 302  
(by Darwin) 357, 375–9  
(by Haeckel) 393–4  
doctrine of 4–5, 23, 26–9, 34, 65,  
357  
progressive 284, 300, 340, 342–5  
separate 39, 286, 348–9, 402,  
407, 409, 419, 432  
relevance of creationist models  
to the life sciences 290–7  
special creation of humankind  
415, 457
- creationism 314–15, 385, 389, 432,  
469–71
- Cullen, William 212, 246

Cambridge University Press

978-1-107-66446-3 - Science and Religion: Some Historical Perspectives

John Hedley Brooke

Index

[More information](#)

## Index

- Cuvier, Georges 300, 307, 330–5,  
336–7, 342, 385, 404  
*Discours préliminaire* 307
- Dante Alighieri 114, 464
- Darwin, Charles 4, 18–19, 39, 41,  
61, 63, 249, 268–9, 298–9,  
301, 303, 304, 308, 328–9,  
340, 343, 345–57, 367–84,  
397–8, 403–24, 426–7, 430–2,  
442, 457  
*Autobiography* 368, 382  
*Descent of man* 380, 381  
*On the origin of species* 56, 303,  
345, 349, 355, 357, 369, 374,  
376–7, 379, 381, 384, 392,  
404, 410
- Darwin, Emma 382
- Darwin, Erasmus 11, 212, 289–90,  
352  
*Temple of nature* 290  
*Zoonomia* 289
- Darwinian debates 4, 18–19, 45–6,  
54–6, 374–437
- Darwinism: success of 384–94  
and politics 403–13  
social 394–403
- days, of Genesis 51, 130–1, 203,  
321–2, 368–71
- De Blainville, Henri 343
- De Chardin, Teilhard 408  
*The phenomenon of man* 408
- De la Beche, Henry 311, 341
- De Zuñiga, Diego 121, 137
- Dee, John 85
- deism 17, 159, 170, 181, 189,  
194–8, 207–8, 221, 223,  
226–7, 235, 247, 255, 257–8,  
262, 330, 336, 353, 428  
threat to Christianity from  
227–32, 269
- Del Rio, Martin 94
- Derham, William 271, 281
- Physico-theology* 271
- Descartes, René 26, 29, 58, 72, 75,  
78, 101–2, 135, 158, 160, 162,  
164–7, 177, 178, 179, 181,  
186, 189–90, 191, 192–3, 195,  
218, 322  
dualism between matter and  
spirit 172–6  
*Principles of philosophy* 100
- design, *see* argument for design
- determinism 158, 238, 411, 430,  
433, 447, 454, 472
- development hypothesis 289–90,  
302  
*see also* evolution
- Dickens, Charles 30
- Didelphis* 343–4
- Diderot, Denis 207, 209, 235–6,  
265, 269, 298  
*Encyclopédie* 207  
*Pensées sur l'interprétation de la  
nature* 236
- differentiation, between science  
and religion, *see* relationship  
between science and religion,  
differentiation
- disease, concepts of 86, 92, 96–7,  
162, 210, 256, 259, 362
- dissent, religious 33, 152, 206, 223,  
240, 243–4, 272, 352
- Donne, John 75, 118  
*An anatomy of the world* 75
- Draper, John William 2, 45–7, 48,  
51  
*History of the conflict between  
religion and science* 45–6
- Dreyfus, Alfred 421
- Drummond, Henry 22–3, 424  
*The ascent of man* 22
- dualism, between matter and spirit:  
in Descartes 172–6  
criticized by Haeckel and  
German materialists 394, 410

## Index

- by Lamarck 329  
 by Priestley 240–3  
 Dubois, Eugène 393  
 Durkheim, Emile 44  
 Dyce, William 308, 312
- earth: age of 34, 65, 210, 292, 308,  
     319–26, 327, 335, 337–9,  
     369–70, 388–9  
 corruption of 49, 70, 113, 115  
 history, *see* history of the earth;  
     origins of 319–23  
 revolution of 113, 121, 123,  
     126  
 rotation of 82–3, 121–2, 126,  
     134  
*see also* Copernicus, Nicolaus,  
     heliostatic theory of  
     soul of 161  
     uniqueness of 38, 115
- ecology 456–9  
 Eddington, Arthur Stanley 446  
 Edwards, Jonathan 266  
 Einstein, Albert 446–51  
 election, Calvin's doctrine of 128,  
     243  
 empiricism 35, 66, 95, 189, 208–9,  
     237, 254, 444  
 energy, conservation of 409  
 Engels, Friedrich 399  
 Enlightenment, the 17, 159, 189,  
     191, 206–60, 271, 314, 317,  
     330, 336, 358, 441, 454, 461,  
     462  
     distinctive character in England  
     272–3  
 environment, effects of changes in  
     327, 355, 386  
 Epicurus 169  
 Erastus, Thomas 95  
*Essays and reviews* 369–73  
 eternity, of the world 76, 81, 108,  
     201, 292
- ether 196–7, 199, 253–4, 258  
 ethics 209, 226–7, 283  
     ethical issues raised by science  
     20–1, 459–74  
     ethical values 21, 31–2, 152, 213,  
     238–40, 243–4, 256, 271, 426,  
     459–74  
     *see also* morality; puritanism,  
     puritan values and science;  
     values
- Etna, mount, significance for Lyell  
     338–9  
 Eucharist, doctrine of 192, 254  
 eugenics 416  
 evangelicals 23, 257, 289, 370, 419,  
     426, 470  
 evolution: concepts of 19, 22, 48,  
     295–7, 298, 302, 309, 323,  
     326, 344–5, 372, 384, 385,  
     399, 424–32, 461–2  
     (*see also* development hypothesis;  
     theism, theistic evolution;  
     transformation of species)  
 Cuvier's critique of 330–6  
 Charles Darwin's theory of 4,  
     18–20, 22, 308–9, 329, 334,  
     345–57, 372, 374–84, 439,  
     461–2  
     (*see also* natural selection)  
 Lamarck's theory of 326–30,  
     396  
     (criticized by Lyell) 342–3, 350  
     within religion 422–32  
     and religious belief 374–437,  
     469–70  
 evolutionary naturalism: as a  
     religion 413–22  
 experience, religious 422–3, 425–6,  
     430–7  
 extinction 299–300, 307–8, 320,  
     326–7, 329, 337, 350, 390  
     Cuvier's demonstration of  
     331–6

## Index

- fall, doctrine of 30, 65, 89, 118,  
149, 175, 265, 307, 368–9,  
383, 426, 460
- Faraday, Michael 37
- Feuerbach, Ludwig 365, 410–11
- Ficino, Marsilio 86
- Fitzroy, Robert 352
- flood, the Genesis 10–12, 39, 54,  
203–5, 276, 315, 335
- Fludd, Robert 162
- Fontenelle, Bernard le Bovier de  
158, 213, 461
- force 24, 34, 100, 167, 171, 184,  
199, 234–7, 264, 279, 284,  
292, 337
- of gravitation 24, 184, 188,  
197–8, 201, 214, 220, 234,  
453
- fossils 264, 275–6, 293, 297,  
299–300, 302, 309, 326,  
330–6, 338–40, 370, 378, 381
- imperfection of fossil record  
343, 387, 393
- Lyell's critique of directional  
interpretation 339–44
- transitional forms 387
- see also* creation, progressive;  
extinction
- Franklin, Benjamin 2, 7, 259
- freedom, of the will, *see* will, free
- Freud, Sigmund 20, 439, 474
- on religion 440–5
- fundamentalism 383, 466, 470
- Galapagos islands 298, 348–9
- Galen 52, 89
- Galenic theory of disease 92, 96
- Galilei, Galileo 11, 66, 69, 72–3,  
76, 103–7, 115, 120, 124, 126,  
131–4, 135–41, 143, 145, 156,  
163–4, 170, 426
- Dialogues concerning the two chief  
world systems* 139–41
- Letter to the Grand Duchess  
Christina* 61–2, 105–7, 137
- and the Roman Catholic Church  
11, 16, 50, 61–2, 103–4, 111,  
121, 126, 131–45, 147, 156,  
191–2
- telescopic observations 38, 69,  
133–4, 135
- Galton, Francis 67, 416–17
- Gassendi, Pierre 164
- Geoffroy St. Hilaire, Etienne 296,  
300, 309, 336–7, 404
- Geological Society of London 343
- Gilbert, William 161
- God: absence of 440
- activity of in a mechanical  
universe 158–205, 301–2,  
367–8, 427–8, 452
- (*see also* activity, divine;  
intervention, divine)
- attributes of 9, 16, 32, 99, 255,  
262–3, 265–6, 431
- craftsmanship of 25, 199, 265,  
267
- (*see also* argument for design)
- as Creator 5, 8, 26, 32, 76, 95,  
96, 102–3, 219, 229, 237, 277,  
280, 330, 374, 379, 399, 430–1
- (*see also* creation, concepts of)
- dominion of 26
- fatherhood of 222, 427–8, 441,  
443, 474
- as first cause 29, 81
- free will of 26, 35, 66, 95, 102,  
171–2, 179, 189, 194–5, 199,  
214, 216, 219, 233, 253–4,  
270, 295, 298
- (*see also* theology, voluntarist)
- goodness of 94, 96, 182, 219,  
222, 230, 231, 249, 260, 261,  
263, 281, 285, 304, 378, 431
- holiness of 279, 281
- immanence of 424, 427–8

Cambridge University Press

978-1-107-66446-3 - Science and Religion: Some Historical Perspectives

John Hedley Brooke

Index

[More information](#)

## Index

- immutability of 75, 100, 186,  
     263, 266  
 infinitude of 99, 255  
 intelligence of 198, 219, 298  
 justice of 279–81  
 love of 127  
 mercy of 89, 285, 421, 431  
 omnipotence of 24, 83–4, 99,  
     141, 171  
 omnipresence of 183–8, 428, 453  
 omniscience of 186, 195, 219  
 perfection of 114, 195, 457  
 power of 121, 125, 148, 155,  
     164, 171, 188, 195, 197, 200,  
     213, 219, 237, 253, 260, 268,  
     275, 280, 292–3, 424  
 as preserver 100, 102, 280, 299  
 righteousness of 127  
 sovereignty of 17, 75, 102, 127,  
     160, 173, 176–83, 194, 219  
 sun as symbol of 38, 124  
 unity of 261, 453, 466  
 wisdom of 31, 32, 182, 213, 219,  
     231, 237, 260, 262, 268, 275,  
     279, 282, 285, 292–3, 301,  
     313, 325  
 god-of-the-gaps 39, 185, 428, 453  
 gods, ideas of as human projections  
     330, 410  
 Goodwin, C. W. 369–70  
 Gould, John 349  
 Grant, Robert 343  
 Grassi, Horatio 133, 139  
 Gray, Asa 355, 390, 428, 431–2  
 Gregory X, pope 80  
 Guardi, Francesco 3  
 guilt, Freud on 442  
 Haeckel, Ernst 393–5, 403, 408–9,  
     411, 412, 417  
 Hakewill, George 125–6  
     *Apologie or declaration of the power  
     and providence of God* 125  
 Haller, Albrecht von 234, 292  
     controversy with Wolff 237  
 Halley, Edmond 69, 107–8  
 harmonization, of the gospels  
     361–2  
 harmony: mathematical 35, 63–6,  
     120, 123–4, 145, 214  
     of nature 63–6, 307, 314, 326,  
     330  
     preestablished 220–1  
     between science and religion, *see*  
     relationship between science  
     and religion, harmony  
 Hartlib, Samuel 149  
 Hartshorne, Charles 457  
 Harvey, William 76  
 heaven 209, 226, 256–7, 282  
     physical location of 59, 70, 113  
     the heavens 62, 72, 79, 95, 113,  
     114–15, 136, 145, 163, 203  
 Hegel, G. W. F. 360  
 Heisenberg, Werner 448, 450,  
     451, 456  
     *The physicist's conception of nature*  
     451  
     uncertainty principle of 448,  
     450  
 Heister, Lorenz 292, 294–5  
 hell 80, 282, 421  
     physical location of 59, 113  
 Helmont, Johann Baptist van  
     96–8, 102–3  
 heresy 37, 52–3, 84, 98, 132, 138,  
     139, 179, 217  
 Herschel, William 323–4  
 historical sciences, *see* sciences,  
     historical  
 history of the earth 19, 39, 108,  
     210, 292–3, 307, 317–22,  
     327–37, 344, 350–1, 375, 385,  
     390  
 Hobbes, Thomas 169, 190–1, 223,  
     227



## Index

- Hodge, Charles 413–14, 422  
*What is Darwinism?* 413–14
- Holbach, Paul Henri Thiry,  
Baron d' 209
- holism 440, 450, 456–9, 466–7
- Honorius III, pope 80
- Hooke, Robert 180
- Hooker, Joseph Dalton 55, 61,  
374–5
- humanism, scientific 416–17, 461,  
470
- Hume, David 207, 209, 245–56,  
262, 276, 277, 282, 283, 284,  
285, 289, 298, 358, 432  
*Dialogues concerning natural  
religion* 245–9  
*Natural history of religion* 255–6  
*Treatise on human nature* 253
- Hutchinson, John 258  
*Moses' principia* 258
- Hutton, James 292–3  
*Theory of the earth* 292–3
- Huxley, Julian 461  
*Evolution in action* 461
- Huxley, Thomas Henry 6, 41, 48,  
380, 382, 384, 386, 392–3,  
416, 426, 439  
controversy with Mivart  
419–20  
debate with Wilberforce 54–5,  
66–8, 373
- Huygens, Christiaan 223
- hybridization 315–17
- hypotheticodeductive method  
389–91
- idealism 26, 29, 63, 305, 385, 410,  
416, 453–4
- image of God in humanity 115,  
172–3, 383  
*see also* creation, doctrine of;  
creation, special
- immortality 241, 457  
*see also* soul, human
- in vitro fertilization 463
- Incarnation, doctrine of 113, 428
- indeterminacy 430–1, 451–2
- Index, of prohibited books 145
- individualism 397, 440, 461–2
- inertia, concept of 49, 69, 75, 96,  
101
- infallibility, papal 46, 411
- infinity, of universe 37, 52, 98,  
99–100, 114
- inheritance of acquired  
characteristics 328
- interaction, between science and  
religion: diversity of 15, 22–42  
in the mind of Charles Darwin  
353  
*see also* relationship between  
science and religion
- intervention, divine 46, 59, 193,  
199, 210, 216, 220, 240, 258,  
303, 357–8  
*see also* activity, divine; God,  
activity of in a mechanical  
universe; miracle
- Islam 56, 58–9, 80, 214, 271,  
466–8
- James II, king of England 215–16
- James, William 272, 433–6, 438,  
441, 454  
*The varieties of religious experience*  
434
- Jeans, James 452, 453
- Jesuits 50, 98, 122, 133, 136, 139,  
151, 173, 217, 272, 286–7  
and scientific education 146–7
- Jousset, Pierre 417
- Jowett, Benjamin 372
- Judaism 57, 186–8, 202, 214, 271,  
358, 363, 442

## Index

- Kant, Immanuel 276–84, 285, 289, 293  
*Critique of pure reason* 277, 285  
*Critique of teleological judgment* 278  
*Metaphysical foundations of natural science* 279  
*On the failure of all attempted philosophical theodicies* 280
- Keir, James 206
- Kepler, Johannes 27–9, 35, 37–8, 63, 65, 69, 114–15, 120, 123–4, 135–6, 143, 162–3
- Khunrath, Heinrich 91
- Kierkegaard, Søren 454–5
- Kingsley, Charles 399, 427
- Kircher, Athanasius 40, 43, 146
- Lamarck, Jean-Baptiste 289, 297, 308–9, 326–30, 331, 333, 334, 336–7, 340, 342, 350, 396, 404  
*see also* evolution, Lamarck's theory of
- La Mettrie, Julien Offray de 18, 234  
*L'homme machine* 234
- Lansbergen, Philip van 135
- Laplace, Pierre Simon de 38, 201, 289, 308, 322–6, 451  
*Exposition du système du monde* 323  
 nebular hypothesis of, *see* nebular hypothesis
- Lartet, Edouard 381
- latitudinarianism, and science 155–6
- Lavoisier, Antoine-Laurent 240
- laws, of nature 20, 26, 34, 55, 70, 100, 103, 159, 160, 161, 163, 171–2, 179, 181, 188, 193, 197, 198, 209, 216, 228, 231, 232, 250, 253, 257, 261, 263, 270, 277, 284, 288, 299, 301–4, 323, 325, 327–8, 347, 358, 368, 373, 374, 379, 397, 401, 406, 414, 427, 430, 434, 435, 447, 451, 453, 455, 456
- Lawson, Nicholas 348–9
- Leibniz, Gottfried Wilhelm 24, 194, 199, 203, 217, 218–21, 268  
 correspondence with Samuel Clarke 218–21
- Leonardo da Vinci 162
- Lessing, Gotthold 252, 359
- Lewis, C. S. 114
- Libavius, Andreas 91
- Linnaeus, Carl 39, 41, 268, 308, 313–17, 318  
*see also* classification of species
- Linnean Society of London 392
- Lippi, Filippo 229
- Literary and Philosophical Society, of Manchester 212, 244  
 of Newcastle 244
- Locke, John 209, 215, 216, 225  
*Letter concerning toleration* 209
- Louis XIV, king of France 193, 219, 223
- Lubbock, John 381  
*Prehistoric times* 381
- Lucretius 99
- Lunar Society of Birmingham 212
- Luther, Martin 126–7, 130, 134  
 on alchemy 90  
*Lux mundi* 428
- Lyell, Charles 34, 53–4, 297, 308, 336–45, 350–1, 375, 378  
*Principles of geology* 54, 337, 339, 341, 350  
 uniformitarianism of 34, 336–45
- McCosh, James 422, 429
- Maestlin, Michael 120

## Index

- magic, in Renaissance philosophies  
of nature 24, 34–5, 53, 77–9,  
84–95, 98, 137, 164, 170–1,  
263, 461  
contrasts with science 24, 84–95
- Maier, Michael 36
- Malebranche, Nicolas 220
- Malthus, Thomas Robert 353,  
399  
*Essay on population* 353–4
- Mantell, Gideon 307  
*Wonders of geology* 307
- Martin, John 310, 311
- Marx, Karl 365, 399, 409, 444
- materialism 18, 190–1, 197, 207,  
218, 257, 262, 302–3, 353,  
402, 404, 407, 408, 409–10,  
472  
threat to Christianity from  
232–44
- mathematics: in Jesuit education  
programs 146  
as language of nature 104, 203  
(see also harmony, mathematical)
- Mather, Nathaniel 200
- matter, concepts of 23, 96–7, 102,  
157, 164–9, 175, 178–81,  
183–4, 192, 196–7, 203, 215,  
217–18, 220, 227–9, 232–6,  
237, 240–1, 257, 258, 277,  
279, 304, 413, 455–6  
see also mechanical philosophy
- Mayow, John 183
- mechanical philosophy 75, 78, 100,  
101, 158–206, 264, 452  
and religious apprehension  
190–5  
see also mechanization; nature,  
mechanization of
- mechanization, of natural world  
17, 157, 158–206, 221, 328  
see also mechanical philosophy;  
nature, mechanization of
- medicine, see disease
- Melanchthon, Philip 120, 130
- Mersenne, Marin 35, 64, 66, 160,  
169–72, 190
- Merton, Robert K. 5, 16, 147  
thesis of 5, 16, 147–53
- Meslier, Jean 232–3
- method, scientific 8–9, 33–5,  
167–8, 189, 210, 227, 257–8,  
389–91
- microcosm–macrocosm analogies  
103, 162
- millennium, doctrine of 31–2, 149
- Miller, Hugh 370
- Milton, John 125  
*Paradise lost* 125
- mind 29, 174–6, 191, 209, 220,  
221, 232, 238, 240, 241, 247,  
259, 277, 283, 285, 294, 305,  
313, 329, 342, 353, 379, 385,  
400, 410, 415, 425, 442, 443
- miracle 24, 94, 104, 106, 160,  
169–72, 181, 190, 192, 199,  
220, 231, 245, 250–1, 335,  
358–66, 368, 371, 405, 411,  
412, 427–8  
Hume's critique of reported  
miracles 250–6  
see also Christ, Jesus, miracles of;  
intervention, divine
- Mivart, St. George Jackson 386,  
419–21
- models, scientific 119, 124, 146–7,  
447, 450  
see also theory, scientific
- monism 241, 358, 394, 408, 417
- Moody, D. L. 23
- Moore, Aubrey 428
- morality 8, 31, 144, 152, 184, 246,  
269, 271, 364, 379, 400, 406,  
411, 423, 433, 440, 442  
analogy between moral and  
physical law 288, 373

## Index

- Christian morality repudiated  
226–7, 233, 367
- corruption by religion 256
- Darwin's account of moral sense  
381–4
- link with primacy of religious  
experience, according to  
William James 433–7
- moral argument of Kant 279–82
- moral authority of Scripture  
369
- moral faith according to Kant  
281–2
- moral virtue, in natural religion  
212–13
- moral worth, in process theology  
457
- in practice of natural science  
212–13, 459–74
- science and moral values 459–74  
*see also* ethics
- Morris, Henry M. 470
- mysticism 457–8
- myth 360–1, 363, 424, 443
- natural religion 222, 230, 255  
*see also* morality; natural  
theology
- natural selection 268, 298–9, 342,  
345–8, 354–7, 378, 384–8,  
391, 394, 400, 407, 413, 420,  
429, 431  
*see also* evolution, Charles  
Darwin's theory of
- natural theology 18–19, 30–1,  
32–3, 145, 245, 260, 307, 315,  
325, 351, 355, 392–3, 415,  
432, 435, 453
- functions of 261–306
- Hume's critique of 245–51
- Kant's critique of 276–84
- relevance to science 290–7
- relevance of science to 297–306
- resilience of 262–306  
*see also* argument for design;  
natural religion
- naturalism 41, 170, 190, 200,  
302–3, 321, 322–6, 329,  
362–3, 368, 371, 373, 383–4,  
389, 406, 410, 412, 434, 457,  
461
- as presupposition of scientific  
and historical critiques of  
Scripture 367–8, 410–11
- as surrogate religion 413–21
- nature: autonomy of 100, 102, 179,  
193–4, 228, 303, 326
- as book of God's works 29, 37,  
102, 103, 150, 178
- continuity of 220, 315
- design in 17, 38, 245, 268–9,  
290, 297–8, 313, 384–5,  
394–5, 430–1  
(*see also* argument for design)
- economy of 83, 245, 268  
(*see also* harmony of nature)
- holistic conceptions of 440, 450,  
456–9
- intelligibility of 29
- laws of, *see* laws of nature
- mechanization of 17, 72, 75, 157,  
158–205, 267, 278, 323, 451  
(*see also* mechanical philosophy)
- order of 5, 26, 51, 66, 129, 169,  
170, 171, 213–14, 245, 249,  
277, 288, 304, 313–14, 323,  
325, 389
- picturability of 446–7
- powers of 85, 89, 102, 184,  
233–6, 240–1, 304, 318, 327,  
330, 358, 371, 374, 379, 429  
(*see also* natural selection)
- redemption of 89, 423
- in relation to supernature 47, 80,  
98, 293, 333, 358
- as system of rules 179

## Index

- nature: autonomy of (*cont.*)  
 as temple 25  
 uniformity of 26, 202, 214, 410  
 unity of 261, 392, 432, 466  
*Naturphilosophie* 409  
 nebular hypothesis 38, 289, 322–6  
*see also* Laplace  
 Needham, John Turbeville 233–4,  
 236  
 Newman, John Henry 305  
 Newton, Isaac 9, 17, 24, 42, 63,  
 69–70, 107, 110, 149, 160,  
 163, 167–8, 207, 211, 223,  
 237, 268, 279, 303, 325, 390,  
 453  
 on activity of God 195–205  
*De gravitatione* 186  
 on design 32, 38, 169, 322  
 on economy of nature 37  
 Hume and 253–4  
 Hutcheson's critique of 258  
 on matter 165–7, 227–8  
 on omnipresence of God 26,  
 185–9  
*Opticks* 188, 198  
*Philosophiae naturalis principia  
 mathematica* 9, 201, 216, 227,  
 258  
 popularization of 213–19  
 rejection of Trinity by 60, 185  
 on space 16, 99, 185–9  
 voluntarist theology of 181,  
 240  
 Newtonian philosophy: criticized  
 by Leibniz 217–21  
 popularized by Boyle lecturers  
 214–19, 270–1  
 Nicholas of Cusa 84, 99, 118  
 Niebuhr, Barthold Georg 337  
 Norton, Thomas 87  
 Ockham, William of 84  
 Oedipus complex 441  
 Oldenburg, Henry 73, 154  
 optics 188, 198, 215, 221  
 order of nature, *see* nature,  
 order of  
 Oresme, Nicole 78, 82–3, 108  
 original sin, doctrine of 238, 243,  
 427, 442  
*see also* fall, doctrine of  
 Osiander, Andreas 128  
 Owen, Richard 63, 294, 296, 301,  
 344, 373, 380, 385  
*Anatomy of vertebrates* 294  
 Oxford movement 305–6  
 Paine, Thomas 262  
*Age of reason* 262  
*Paleotherium* 331–2  
 Paley, William 248, 261–3, 265,  
 266, 267–8, 269, 276, 295–7,  
 299, 300, 301, 303, 304, 368,  
 432  
*Evidences of Christianity* 368  
*Natural theology* 261, 290  
 pantheism 194, 258, 336, 358  
 Paracelsus, Theophrastus  
 Bombastus 34, 35, 86–93, 96  
 parallax, stellar 114, 122  
 Paris Academy of Sciences 147,  
 150, 213, 235, 326, 336, 461  
 Pascal, Blaise 74, 114, 264  
 patronage 122, 123, 136, 139, 147,  
 211–12  
 Peirce, Charles S. 430, 433  
 Pemble, William 153  
 Perkins, William 153  
 Philosophical Society, of  
 Edinburgh 212  
 of Derby 212  
 physico-theology 268–9, 271,  
 276–7, 279, 291–2, 303–4  
*see also* natural theology  
 physics: in relation to astronomy  
 120

## Index

- revolution in 158, 439–40, 445–56  
 subatomic 20, 439, 445–56  
 theories in and  
   hypothetico-deductive method 391  
   *see also* theory, scientific  
 Pius IX, pope 420  
 Plato 33  
   platonism 60, 95, 197, 240, 294, 334  
 Playfair, Lyon 41  
 Pluche, Noel Antoine 269  
   *Spectacle de la nature* 269  
 plurality of worlds 37–8, 52–3, 73, 83–4, 96, 99, 113, 118–19, 130–1, 143, 430  
 politics: and Darwinism 403–13  
   and religious toleration, *see* toleration, religious  
 polyp, Trembley's 235, 238  
 polytheism 255  
 Pomponazzi, Pietro 171  
 Porta, Giambattista della 88  
 positivism 13, 405–6, 414  
   logical 444–5  
 Powell, Baden 301–2, 371, 373, 425  
 pragmatism 433–7  
 Priestley, Joseph 33, 60, 208, 212, 225, 240–4, 245, 250, 289, 292  
   *Disquisitions relating to matter and spirit* 240  
 printing press 73  
 process theology, *see* theology, process  
 professionalism, scientific 67, 275, 416, 459–60, 470–1  
 progress, ideas of 22–3, 31–2, 33, 125–6, 149–50, 209, 232, 243–4, 264, 272, 376, 396–7, 404, 409, 417, 426, 428–9, 432, 461–2  
 prophecy 29, 185–6, 202–3, 364, 368  
 Protestantism 31–2, 51, 52, 59, 63, 76, 85, 95, 107, 110–12, 124–5, 170, 193, 215, 217, 222, 223, 225, 265, 335, 383–4, 404, 426  
   comparison with Roman Catholicism in attitudes to science 110–57, 213, 335  
   and practical science 147–57  
   *see also* puritanism  
 providence 4, 14, 17, 31, 72, 110, 145, 159, 169, 171, 182, 183, 185, 193, 196, 198–201, 266, 270, 291, 337, 340, 344, 371, 414, 415, 422, 429, 465  
   storms and 2–4, 171, 200, 259  
   *see also* activity, divine; causes, final; God, activity of in a mechanical universe; teleology  
 psychoanalysis 443–4  
 Psychoanalytical Society of Vienna 443  
 psychology 436–7, 443–4, 453–4  
 Ptolemy, astronomy of 32, 81, 123  
 puritanism 5, 16–17, 65, 144, 147–57, 177  
   (*see also* Merton; Protestantism)  
   puritan values and science 5, 59, 65, 110–11, 147–57, 176  
 quantum mechanics 446–56  
 race 380–1, 393, 394, 400–1, 404  
 Ramus, Peter 125  
 rationalism 35, 45, 66, 195, 203, 206, 208, 228, 250, 257, 280, 358, 362–3, 408–9, 420, 436  
 Ray, John 25, 32–3, 191, 194, 267, 281, 299

## Index

- Ray, John (*cont.*)  
*The wisdom of God manifested in the works of creation* 32
- redemption 89, 423, 426  
*see also* Christ, Jesus, as redeemer; nature, redemption of
- reductionism, scientific 439, 443, 447, 451, 455, 456, 472
- Reformation, Protestant 16, 31, 109, 110–11, 119, 126–34, 148, 265  
*see also* Protestantism
- Reid, James 134
- Reid, Thomas 262
- Reimarus, H. S. 358–9
- relationship between science and religion 1–7, 66, 353, 406, 433–7, 438–9, 446
- ambivalence 65
- artificiality of certain questions concerning 9–15, 20, 22, 402–3, 438
- complementarity 4, 47, 434–7, 439–40, 452–3
- complexity of 6, 83, 257, 438
- conflict 2, 4, 6, 15, 26, 42–56, 67–8, 210, 374–5, 383–4, 413–22, 438  
*(see also* conflict thesis)
- dependence on social and political circumstances 13, 269, 394–413
- differentiation 9, 16, 24, 71–109, 131, 144–5
- fusion 23, 70
- harmony 57–68, 307, 369–71, 438
- indirect effect of religion on science 126–33, 170
- integration 18, 71, 98, 108, 262, 277, 287
- mutual relevance 105–7
- parallels between 41, 110–57, 203, 254, 443–4, 445–6, 458
- revisionist account of 57–68
- separation 4, 16, 71–109, 145, 278–9, 284, 422, 438–9
- shifting boundaries 11, 284, 438, 439–40
- subordination 16, 71, 78–84, 109
- resurrection 243, 358, 361–2, 364–5  
*see also* Christ, Jesus
- revelation 25, 81, 100, 159, 207, 209, 228–30, 231–2, 233, 262–3, 266, 276, 290, 307, 364, 404
- progressive 424–5  
*see also* Bible; Scripture
- revolution: English 150–1, 176–7 of 1688 215
- in Europe of 1848 288, 411
- French 11, 41, 147, 243, 289–90 (of 1830) 365
- industrial 212–13, 244, 287
- Spanish 403
- revolution, scientific 1, 15, 69–109
- in physics 158, 440, 445–56
- Rheticus, Georg Joachim 120
- ridicule, of religion 206, 226–7
- rights, human 474
- Ritschl, Albert 422
- Robison, John 325
- Roman Catholic Church 46, 49–50, 59, 85, 94, 98, 110, 150, 170, 185, 192, 207, 215–16, 217–18, 222, 223, 225, 230, 232, 236, 240, 243, 265, 272, 394, 403–8, 412, 420–1, 439, 442, 463
- and Bruno 52–3, 98
- comparison with Protestantism in attitudes to science 110–57, 421–2

Cambridge University Press

978-1-107-66446-3 - Science and Religion: Some Historical Perspectives

John Hedley Brooke

Index

[More information](#)

## Index

- Index 145
- Inquisition 52, 145  
*see also* Galilei, Galileo
- Romanes, George 431  
*Thoughts on religion* 431
- Ross, Alexander 72–3, 112–13, 143
- Rousseau, Jean-Jacques 209
- Royal Society of London 73, 153,  
154, 156, 173, 211
- Royer, Clemence 404
- Ruskin, John 308
- Scheiner, Christopher 134, 151
- scholasticism 82–4, 99, 174, 267
- Protestant 130, 134
- science, relevance of to natural  
theology 297–306
- relevance of natural theology to  
290–7
- religious utility of 211–21, 260,  
261, 268–9, 393–4, 435–7,  
442–4, 453–4
- see also* method, scientific;  
models, scientific; theory,  
scientific; listings under  
separate sciences
- sciences: historical 299–303,  
307–73
- human 255–7, 329, 379–82, 406
- Scientific Society of Brussels  
*for other scientific societies see*  
societies, scientific
- Scripture, authority of 10, 39, 62,  
72–3, 94–5, 97, 102, 103–7,  
112, 118, 129–31, 134, 138,  
188, 190, 231–2, 265, 275,  
308, 313, 318, 320–2, 357–66,  
369, 413, 421, 424–5
- see also* Bible
- sectarianism 25, 46–7, 156, 176–7,  
223, 225
- secularity, secularization 13, 14,  
17–18, 20, 32, 44, 56, 71, 78,  
100, 118, 159, 202, 211, 234,  
264–5, 268, 289, 325, 339,  
383, 394, 399, 400, 402–6,  
412, 416, 440, 441, 443, 461,  
464–6, 474
- Sedgwick, Adam 31, 264, 286, 288,  
295, 300, 302, 340, 343
- Selous, F. C. 401  
*Sunshine and storm in Rhodesia*  
401
- separation, of science and religion,  
*see* relationship between  
science and religion,  
separation
- Servetus, Michael 52
- sexual selection 401  
*see also* natural selection
- Shaftesbury, Anthony Ashley  
Cooper, Earl of 227
- Simpson, George G. 414
- sin 238, 243, 424, 427, 442,  
443  
*see also* fall, doctrine of
- skepticism 18, 32, 100, 124, 196,  
259, 431  
of Hume 245–57
- social Darwinism, *see* Darwinism,  
social
- socialism 397–400, 409, 417
- societies, scientific 73, 77, 141,  
147, 150, 153–4, 156, 173,  
206, 212–13, 223, 235, 244,  
276, 288, 326, 336, 343, 380,  
392, 406, 461, 469
- sociobiology 471–4
- soul, human 169, 172, 175, 177,  
185, 190, 218, 233, 235, 238,  
240, 241, 280, 289, 342, 408,  
426, 443, 464
- space 98–9, 114, 118, 194, 215,  
219–21, 258  
association with God's  
omnipresence 186–9



## Index

- species, plant and animal 39, 63, 294, 299–300, 308, 314  
classification of, *see* classification of species  
fixity of 313–18, 334  
geographical distribution of 39–41, 291, 297–9, 314–15, 318–19, 333–4, 348–51, 376, 377, 378–9, 390  
origin of 291, 297, 314–17, 320, 333–4, 340–2, 345–57, 368, 375, 384–94, 410  
*see also* evolution, Charles Darwin's theory of
- Spencer, Herbert 396–8, 403, 416, 423–4, 426
- Spinoza, Benedict 358
- spirit 24, 52, 60, 86, 93, 95, 96, 162, 167, 172–3, 175–6, 181, 182, 191, 203, 207, 221, 232, 240, 241, 434, 435, 444  
spiritual evolution 424–5  
spiritualism 400
- Spirit, Holy 52, 73, 97, 106, 112, 124, 130, 177, 322
- spontaneous generation 233, 302, 313, 320, 329, 404
- Sprat, Thomas 30–1, 150, 156  
*History of the Royal Society* 30, 150, 156
- Stephen, Leslie 383, 398
- Stillingfleet, Edward 107, 190
- Stokes, George 419, 421
- Strauss, David Friedrich 359–66, 367–9  
*Life of Jesus* 361–4, 369
- subordination of science to religion, *see* relationship between science and religion, subordination
- suffering, problem of 193, 249, 281–2, 415–16, 424, 431–2
- Sumner, William Graham 397
- supernature 47, 80, 98, 112, 182, 293, 333, 363, 364, 366, 367, 379, 392–4  
*see also* nature, in relation to supernature
- symbols, religious 44, 70, 200, 202, 230
- technology 68, 148, 150, 162, 212, 445, 458–9, 462, 464, 465, 466
- teleology 48, 72, 221, 266, 269, 278, 284, 292–3, 297, 300, 399, 423, 429–30, 432, 454  
Hume's critique of 248–9  
Laplace's elimination of 323  
*see also* argument for design; causes, final; natural theology
- Tempier, Etienne 84
- Temple, Frederick 55, 372–3, 422, 432
- Tennyson, Alfred 308, 312
- theism 42, 48, 60, 181, 185, 190, 195, 197, 202, 256, 264, 304, 431–2, 474
- theistic evolution 386, 413, 420, 424–32
- theology 9, 73, 422  
Christocentric 89, 127  
(*see also* Christ, Jesus)  
Islamic 59, 466  
medieval 5  
(*see also* Aquinas, Thomas)  
millenarian 31–2, 149  
natural, *see* natural theology  
process 457  
of scientists 6, 60–1, *passim*;  
voluntarist 35, 181–4, 189, 195–6, 219, 253–4  
(*see also* God, free will of)  
theological justification for mechanical philosophies 168–83

Cambridge University Press

978-1-107-66446-3 - Science and Religion: Some Historical Perspectives

John Hedley Brooke

Index

[More information](#)

## Index

- theological presentation of  
   scientific innovation 96–101  
 theory, scientific, nature and status  
   of 7, 24–5, 35, 37, 49, 76,  
   119–20, 124, 146, 254, 259,  
   389–90, 391, 445–7, 450  
   *see also* models, scientific  
 Thomson, William (Lord Kelvin)  
   388–9, 447  
 Tindal, Matthew 208, 228–32  
   *Christianity as old as the*  
   *creation* 228–32  
 Toland, John 228, 258  
   *Christianity not mysterious* 228  
 toleration, religious 155, 208, 225,  
   243, 256, 272–5, 372  
 transformation of species 295, 302,  
   309, 334, 336, 340–3  
   *see also* development hypothesis;  
   evolution  
 transubstantiation 191–2, 254  
 Trembley, Abraham 235, 238  
 Trinity, doctrine of 33, 60, 124,  
   240, 243, 258  
 Trismegistus, Hermes 53, 117  
   *see also Corpus hermeticum*  
 Tristram, Henry Baker 55  
 Troeltsch, Ernst 423, 425  
 truth, pragmatic conceptions of  
   426, 433–7, 439, 441  
 Turner, William 244  
 Tyndall, John 384, 412  
  
 unconscious mind 436, 444  
 uniformity of nature 26, 340  
   uniformitarianism in geology  
   333–4, 338–45; *see also* Lyell  
 Unitarianism 33, 225, 243–4  
   of Priestley 240–5  
 Urban IV, pope 80  
 Urban VIII, pope 50, 121, 133,  
   137  
 Ursus, *see* Baer, Nicolai Reymers  
  
 vacuum 74, 102, 165, 219–20  
 values 375, 416, 440, 441, 455,  
   457, 459–74  
   *see also* ethics; ethical values;  
   morality  
 variation, in plants and animals  
   334, 342, 347, 351, 354–5,  
   376–7, 385, 386, 388, 391,  
   413–14  
   under domestication 356–7  
 Vatke, Wilhelm 363  
 Virchow, Rudolph 411  
 Vogt, Carl 408–9, 411  
 Voltaire, François-Marie Arouet  
   de 189, 207, 222–6, 234, 236,  
   270–2, 321  
  
 Wallace, Alfred Russel 61, 298–9,  
   344–5, 347, 354, 391, 400–1,  
   429  
   *Man's place in the universe* 430  
 Wallis, John 74  
 weapon-salve 162, 168  
 Weber, Max 148  
 Webster, John 155  
 Wedgwood, Hensleigh 353  
 Weismann, August 328  
 Wesley, John 210, 257–60, 289  
   *A survey of the wisdom of God in*  
   *the creation, or a compendium of*  
   *natural philosophy* 260  
 Whewell, William 8, 29, 284, 295,  
   297, 300–1, 303, 304–5,  
   325–6, 390  
 Whiston, William 197, 203, 204,  
   211, 217  
 White, Andrew Dickson 2, 4, 46,  
   47–8, 51  
   *A history of the warfare of science*  
   *with theology in Christendom* 47  
 Whitehead, Alfred North 1, 5,  
   457  
 Wier, Johann 94

Cambridge University Press

978-1-107-66446-3 - Science and Religion: Some Historical Perspectives

John Hedley Brooke

Index

[More information](#)

## Index

- 
- |   |  |
|---|--|
| Wilberforce, Samuel 45, 54–6,<br>66–7, 373, 422<br><i>see also</i> Huxley, Thomas Henry                   | Wilson, Edward O. 471–4<br><i>Sociobiology</i> 471 |
| Wilkins, John 72–3, 76, 113, 115,<br>118, 134–45, 154, 155, 177,<br>267                                   | witchcraft 47, 94, 168, 259                        |
| will, free 80, 174, 181, 183–4, 191,<br>195, 280, 406, 433, 452, 454<br><i>see also</i> God, free will of | Wittgenstein, Ludwig 439                           |
|   | Wolff, Caspar Friedrich 237                        |
|   | worship 25, 93–4, 191–2, 254, 314,<br>467          |
|   | of nature 408                                      |
|   | Wright, Joseph 242                                 |