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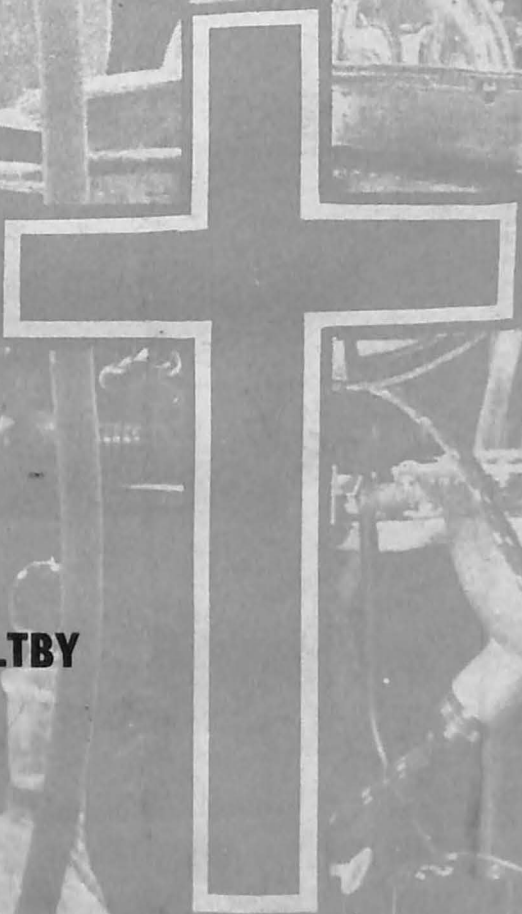
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RELIGION AND SCIENCE



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RELIGION AND SCIENCE

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Religion and Science

A. MALTBY, B.A., F.L.A.

Lecturer in Librarianship,
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Foreword by

Professor F. F. Bruce, M.A., D.D.,
of the University of Manchester

" . . . these are great and interesting
controversies, which I should like . . .
to see satisfactorily settled."

T. L. PEACOCK

THE LIBRARY ASSOCIATION

1965

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Foreword

The history of the controversy between "science" and "religion" is not one which either scientists or theologians can contemplate with great pleasure today. Even when it was being waged with might and main, there were some wiser men on both sides who saw clearly enough that between science and religion, both properly so called, there is no real conflict. If today, with our concepts of complementarity and so forth, we can appreciate the issues involved more accurately than some of our predecessors did, we must at least acknowledge that the protagonists in the conflict were right in their conviction that matters of moment were at stake. The literature which the conflict produced may have thrown more light on human nature than it threw on science or religion, but perhaps for that very reason it retains its interest for us.

Mr. Maltby's select bibliography will be of great assistance to those who wish to investigate the course and character of the controversy.

F. F. Bruce, M.A., D.D.,
Rylands Professor of
Biblical Criticism and Exegesis,
University of Manchester.

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Introduction

It is NO accident that the present generation is witnessing a decline in religious faith alongside its remarkable scientific and technical development. The advance of science has explained many things to us which, formerly, were referred to as "mysteries of God" and, as these gaps in our knowledge have been gradually filled, technological man has often tended to become sceptical about the idea of a personal deity. There has been friction between theology and scientific progress at various stages of our modern history: it can be discerned, for example, in the writings of Bacon. However, it was in the 19th century, when Darwin put forward his ideas on man's origin, that the "conflict" became really intense.

This bibliography concentrates on modern literature illustrating controversies between scientists and theologians, but indicates also important reading on the older disputes. It is necessarily selective, especially with regard to the inclusion of periodical articles, but I have tried to increase its value by annotating some of the important items. The place of publication is London, unless otherwise indicated. In addition to the material listed, readers may well consult current periodicals, encyclopaedias, and annuals for further information on this subject.

Albert Einstein once said "religion without science is blind: science without religion is lame", and it is certainly true that, if scientific advance has shaken our faith, many people think that this has been to our moral and religious loss. Several writers suggest that the gulf between religion and science has now been bridged, but both the thoughtful Christian and the religious scientist will benefit from reading the important literature relating to the controversy.

A. MALTBY.

SECTION A

The history of the conflict between religion and science. Controversy prior to the 19th century.

1. Armitage, A.
Earth stand thou still! Sigma Books, 1947. 210 p.
Contains:—Astronomy before Copernicus; Copernicus and his work; the triumph of the Copernican theory.
2. „ *Copernicus: the founder of modern astronomy*. Yoseloff, 1957. 236 p.
3. Ball, R. S.
Great astronomers. Philip, 1906. 372 p.
Includes an outline of the life of Galileo and Copernicus and indicates the religious climate in which their work was achieved.
4. Boulting, W.
Giordano Bruno: his life, thought, and martyrdom. Kegan Paul, 1914. 315 p.
5. Brewster, D.
Martyrs of science. Chatto & Windus, 1880. 248 p.
Gives an account of the lives of Galileo, Kepler and Tycho Brahe.
6. Caspar, M.
Kepler. *Abelard Schuman*, 1959. 401 p.
This definitive biography, translated and edited by C. D. Hellman, was first published in German in 1948. It indicates Kepler's scientific achievement in the light of his Reformation background.
7. De Santillana, G.
The crime of Galileo. Heinemann, 1958. 339 p.
Shows the religious and scientific issues involved in Galileo's trial and their relevance for our own age.

8. Dillenberger, J.
Protestant thought and natural science: an historical interpretation.
Collins, 1961. 320 p.
Traces the relationship between science and Protestant theology from Copernicus to the present time.
9. Drake, S. and C. D. O'Malley.
Controversy on the comets of 1618. Philadelphia. University of Pennsylvania Press, 1960. 380 p.
A translation of some of the writings of the early great astronomers.
10. Dreyer, J. L. E.
Tycho Brahe: a picture of scientific life and work in the 16th century. Edinburgh. A. & C. Black, 1890. 405 p.
11. Gregory, R.
Religion in science and civilization. MacMillan, 1940. 366 p.
Traces the relationship between religion and science from ancient Egypt and Mesopotamia to the present day. The author maintains that primitive ideas are being slowly rejected and a more exalted theology is thus evolving.
12. Kesten, H.
Copernicus and his world. Secker & Warburg, 2nd ed., 1946. 408 p.
13. Kuhn, T. S.
The Copernican revolution. Harvard University Press, 1957. 297 p.
14. Simpson, J. Y.
Landmarks in the struggle between science and religion. Hodder, 1925. 288 p.
An excellent account of the conflict between science and religion from early times to the present day.
15. Singer, D. W.
Bruno: his life and thought. Constable, 1950. 389 p.
Describes the life, philosophy, martyrdom and influence of Giordano Bruno. An annotated translation of "On the infinite universe and worlds" is included.
16. Taylor, F. S.
Galileo and the freedom of thought. Watts, 1938. 212 p.
Chapter 5, dealing with Galileo's conflict with the church is of especial interest.

17. Westfall, R. S.
Science and religion in 17th century England. New Haven. Yale University Press, 1958. 235 p.
18. White, A. D.
The history of the warfare of science with theology in Christendom. Arco Books, 1955. 417 p.
This work was first published in 1896 and is recognised as an outstanding history of the subject up to the end of the 19th century.

SECTION B

The great 19th century struggle. Man—ape or angel?

19. Armstrong, R. A.
Agnosticism and theism in the 19th century: an historical study of religious thought. Green, 1905. 207 p.
20. Bailey, E.
Charles Lyell. Nelson, 1962. 214 p.
21. Bonney, T. G.
Charles Lyell and modern geology. Cassell, 1901. 224 p.
22. Bradlaugh, C.
Genesis: its authorship and authenticity. Freethought Publishing Co., 3rd ed., 1882. 346 p.
A renowned attack on Genesis. Bradlaugh thought the teachings of this part of the Bible on the sciences were in opposition to the scientific knowledge of his own day.
23. Butler, S.
Luck or cunning? Cape, 2nd ed., 1920. 282 p.
The author tries to reintroduce the idea of design into organic development and contends that "the theory that luck is the main means of organic modification is the most absolute denial of God which it is possible for the human mind to conceive". Other books by Butler also shed light on the 19th century clash between science and religion and a good selection of his writings is available in "The essential Samuel Butler", edited by G. D. H. Cole. Cape, 1950. 544 p.
24. Darwin, C.
Origin of species. Murray, 1859. 502 p.
Makes no direct reference to religion, but no book in the history of civilization has done more to arouse controversy between the theologians and scientists.
25. Dawson, J. W.
Facts and fancies in modern science. Philadelphia. American Baptist Publication Society, 1882. 238 p.

26. Dawson, J. W.
Nature and the Bible. New York. Carter, 1875. 254 p.
27. „ *The origin of the world according to revelation and science*. New York. Harper Brothers, 1877. 434 p.
28. Gillespie, C. C.
Genesis and geology. Cambridge. Harvard University Press, 1951. 315 p.
 A detailed study of the relationship between theology and scientific thought in the first half of the 19th century. The author has tried to indicate the opinions of any important British geologist of the period, whose work is relevant to the subject.
29. Huxley, J. S.
Essays in popular science. Chatto & Windus, 1926. 307 p.
 Includes an essay on "T. H. Huxley and religion". This tries to show that Thomas Huxley was deeply religious and realised the moral need for religious authority. It is therefore argued that his attack on orthodox religion was designed only to clear it of superstition and error.
30. Huxley, T. H.
Evolution and ethics (and other essays). MacMillan, 1903. 334 p.
31. „ *Science and Christian tradition*. MacMillan, 1902. 419 p.
 Outlines the author's views on miracles, the authority of the scriptures, and science and agnosticism.
32. „ *Science and Hebrew tradition*. MacMillan, 1901. 372 p.
 Contrasts the idea of evolution with the teaching of the book of Genesis. An attempt is made to provide an anthropological study of the development of theology.
33. Irvine, W.
Apes, angels and Victorians: a joint biography of Darwin and Huxley. Weidenfeld & Nicolson, 1955. 399 p.
34. Matheson, A. S.
The Gospel and modern substitutes. Edinburgh. Oliphant, Anderson & Ferrier, 1890. 320 p.
 Argues that the 19th century controversies arose chiefly because Christianity took the wrong attitude towards scientific progress.
35. Morris, H. W.
Science and the Bible. Philadelphia. Zeigler, 1871. 566 p.

36. Murray, R. H.
Science and scientists in the 19th century. Sheldon Press, 1925.
 450 p.
 Includes information on Lyell, the forerunners of Darwin,
 and Darwin's ideas and their impact.
37. Myers, F. W. H.
Science and the future life (and other essays). MacMillan, 1893.
 241 p.
38. Pember, G. H.
Earth's earliest ages. Bagster, 1876? 244 p.
 An account of the book of Genesis that attempts to
 reconcile its views on the age of the earth with those of
 science. Pember suggests that a "time gap" exists between
 Genesis 1:1 and Genesis 1:2.
39. Raven, C. E.
Natural religion and Christian theology. Cambridge, University
 Press, 1953. 224 p.
 A concise, but excellent history of the relations between
 science and religion which is especially interesting for the
 light which it sheds on such 19th century personalities as
 Darwin, Huxley, Gosse and Kingsley.
40. Seward, A. C. ed.
Darwin and modern science. Cambridge, University Press,
 1909. 595 p.
 29 essays for the centenary of Darwin's birth. They include
 one by P. N. Waggett on "the influence of Darwin upon
 religious thought" and one by J. E. Harrison on "the
 influence of Darwinism on the study of religions".
41. Smith, H.
Man and his Gods. Cape, 1953. 501 p.
 A considerable portion of this book consists of the author's
 estimate of the effect of Darwin's theories on traditional
 religious beliefs.
42. Smith, J. P.
*On the relation between the Holy Scriptures and some parts of
 geological science*. New York. Appleton, 1840. 357 p.
43. Stackhouse, R.
Darwin and a century of conflict. Christian Century, Aug. 1959.
 P 944-46.

44. Willey, B.

Darwin and Butler: two versions of evolution. Chatto & Windus, 1960. 113 p.

The four lectures which comprise this book give us the background to "The Origin of Species" and indicate the attitude of Butler to both Darwin and the Church.

SECTION C

The relationship between religion and science in the 20th century.

45. Abele, J.
Christianity and Science. Burns & Oates, 1961. 141 p.
Translated from the French by R. F. Trevett.
46. Adams, J. T.
Is science a blind alley? Harpers Magazine, Feb. 1928. p 265-71.
47. Aldis, A.
The present position of evangelicals in relation to theology and science. Evangelical Quarterly, Oct. 1939, p 336-44.
48. Aveling, F.
The Catholic Church and science. Catholic World, June 1920, p 330-42.
49. Ayres, C. E.
The lion and the lamb: can religion and science lie down together? Forum, Aug. 1931, p 124-28.
50. Baillie, J.
Natural Science and the spiritual life. O.U.P., 1951. 43 p.
A short examination of the relationship between faith and science, which endeavours to show that the two can walk in agreement.
51. Baker, A. E.
Science, Christianity and truth. Eyre & Spottiswoode, 1943. 158 p.
Considers the teachings of modern sciences, including psychology, and the doctrines of the Christian faith. The author argues that "without theism, there is no truth to be sought".
52. Balthasar, H. U. Von.
Science, religion and Christianity. Burns & Oates, 1958. 155 p.

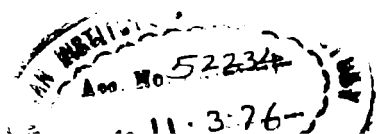
53. Barnes, E. W.
Christianity and science. Modern Churchman, Feb. 1936. p 614-17.
54. „ *Religion and science*. School Science Review, Oct. 1948, p 2-6.
55. „ *Science, religion and moral judgements*. Modern Churchman, Dec. 1950, p 347-55.
The maintenance of ethical standards demands a reconciliation between science and religion. This article examines the relations between the three fields of activity.
56. „ *Scientific theory and religion*. Cambridge, University Press, 1933. 685 p.
A series of lectures on the world's physical concepts and their spiritual interpretation. It is argued that, despite its perplexities, the world is not a chaos, and the modern scientist should not neglect spiritual values.
57. „ *Should such a faith offend?* Hodder & Stoughton, 1927. 331 p.
A collection of the author's sermons and addresses most of which relate to the impact of science on religious belief.
58. Barnes, K.
The unity of science and religion: a thought for Christmas. Listener, Dec. 1960, p 127-28.
59. Beibitz, J. H.
Rationalism and orthodoxy today: an essay in Christian philosophy. S.C.M., 1927. 191 p.
Argues that Christianity offers the most satisfactory theory of the universe and that Huxley, in his book "Essays of a biologist", sees the Christian God as a magnified human individual.
60. Bell, A. E.
A science teacher looks at divinity. Hibbert Journal, Oct. 1945, p 59-62.
61. Bernal, J. D.
A challenge to religious orthodoxy—irreligion. Spectator, 18th Oct. 1930, p 518-20.
62. Bonavia-Hunt, N.
Faith and the mountain. Bles. 1960. 158 p.
63. Bragg, W.
Science and faith. O.U.P. 1941. 23 p.
Suggests that just as the scientist tests his hypotheses, so the Christian can test the validity of his faith by putting it into practice.

64. Brain, W. R.
Science, philosophy and religion. Cambridge, University Press, 1959. 31 p.
65. Bright, L.
Science and religion. Blackfriars, June, 1963, p 244-51.
66. Carter, G. S.
Is the theory of evolution consistent with Christian belief? S.P.C.K., 1960. 20 p.
67. Chaucard, P.
Science and religion. Burns & Oates, 1962. 160 p.
Translated from the French by S. J. Tester.
68. Clark, R. E. D.
Christian belief and science: a reconciliation and a partnership. E.U.P., 1960. 160 p.
69. „ *Creation*. Tyndale Press, 1946. 72 p.
70. „ *Darwin: before and after*. Paternoster, 1958. 192 p.
Reviews the various theories, put forward at different times, on the beginnings of life on the earth.
71. „ *The Universe: plan or accident?* Paternoster, 3rd edn., 1961. 240 p.
Reason is the only way to truth that “the doubting Thomas” knows, and there are many such people. The author therefore gives the arguments for contending that there is a mind behind the universe.
72. Compton, K. T.
Religion in a scientific era. Science Monthly, Jan. 1940, p 73-77.
73. Corbett, J. B. and Smith, R. G.
The disappearing God: a discussion. Listener, 21st Jan., 1960, p 127-29.
74. Coulson, C. A.
Christian religion and contemporary science. Modern Churchman, Sept. 1950, p 205-15.
75. „ *Christianity in an age of science*. O.U.P., 1953. 53 p.
76. „ *Science and Christian belief*. O.U.P. 1955. 127 p.
Suggests that science is a religious activity and that we have erred in making a contrast between science and religion. The true conception of God, says the author, is to see Him in all things, but He is best verified in “the power of a transformed life”.

77. Coulson, C. A.
Science and the idea of God. Cambridge, University Press, 1958. 51 p.
78. Coulson, C. A.
Science tells us—how much? S.P.C.K., 1961. 17 p.
79. Dewar, D.
Man: a special creation. Thynne, 1936. 123 p.
80. Dewar, D. *and others*.
Is evolution a myth? Paternoster, 1949. 92 p.
 A debate between D. Dewar, L. M. Davies and J. B. S. Haldane.
81. Dewar, D. *and* Shelton, H.
Is evolution proved? Hollis & Carter, 1947. 346 p.
 This is a fine debate, edited by A. Lunn, on the question of the validity of evolutionary theories.
82. Doorly, J. W.
God and science. Muller, 1949. 227 p.
 In attempting to find the answer to humanity's present and future problems, the author views the spiritual, as opposed to the historical significance of the Bible, from Adam to the arrival of Israel in the promised land.
83. Drawbridge, C. L. *ed.*
The religion of scientists: recent opinions expressed by two hundred Fellows of the Royal Society. Benn, 1932. 160 p.
84. Eagle, A.
The philosophy of religion versus the philosophy of science. Manchester, University Press, 1935. 352 p.
 The author defends the idea that there is a spiritual world besides a physical one and challenges materialistic opinions, which he considers are becoming very prevalent in some departments of modern science.
85. Eddington, A. S.
Science and the unseen world. Allen & Unwin, 1929. 56 p.
 Considers the questions of why man exists, the revelation of God, and the "spirit of seeking" in religion and science.
86. Edmonds, R. W.
In His image: a philosophy of creation. Skeffington, 1958. 276 p.
 Argues that modern science supports theism and purpose as the ruling principles of the world. The author offers his own interpretation of the Bible as the answer to many modern problems.

87. Einstein, A.
Science and religion. Nature, 9th Nov. 1940, p 605-607.
88. Einstein, A.
What I believe. Forum, Oct. 1930, p 193-194.
89. Fleming, D.
John William Draper and the religion of science. O.U.P. 1950.
 205 p.
90. Ford, C.
Does science exclude Christianity? Westminster Review, Dec.
 1904, p 694-704.
91. Fosdick, H. E.
Will science displace God? Harpers Magazine, Aug. 1926,
 p 362-66.
92. Fothergill, P. G.
Evolution and Christians. Longmans, 1961. 395 p.
 This Roman Catholic author reviews 19th century and
 modern evolutionary theories and tries to show that belief
 in evolution need not lead to a materialistic outlook.
93. Frank, P.
Relativity: a richer truth. Boston. Beacon Press, 1950. 142 p.
94. Fulton, W.
Nature and God. Edinburgh. Clark, 1927. 294 p.
 Tries to contribute towards a reconciliation between
 religion and science by showing that there is a sense of
 purpose in the natural world.
95. Furniss, N. F.
The fundamentalist controversy (1918-1931). Yale, Uni-
 versity Press, 1954. 209 p.
96. Gilkes, A. N.
A faith for modern man. Faber, 1960. 160 p.
 An examination of some "wrong attitudes" adopted by
 both scientists and Christians.
97. Gilkey, L. B.
Darwin and Christian thought. Christian Century, Jan. 1960.
 p 7-11.
98. Grant, M.
A new argument for God and survival. Faber, 1934. 450 p.
99. Greene, J. C.
The death of Adam: evolution and its impact on Western thought.
 Iowa, University Press. 1959. 388 p.

100. Greenwood, W. O.
Biology and Christian belief. S.C.M., 1938. 192 p.
 Endeavours to show that biological investigation does not shatter Christian teaching. God's presence aids and preserves the continuity of the inorganic-organic-animate process of development, which ends in a soul with a personality.
101. Greenwood, W. O.
Christianity and the mechanists. Eyre & Spottiswoode, 1941. 296 p.
 The author, arguing that the chief scientific attacks against Christianity come from the field of biology, defends design against chance in the theory of creation.
102. Grist, C. J.
Science and the Bible. Skeffington, 1941. 194 p.
 The author, formerly an agnostic, collects evidence to show that the paths of true religion and of science are now converging.
103. Habgood, J. S.
Religion and science. Mills & Boon, 1964. 153 p.
104. Haldane, J. B. S.
Biology and religion. Modern Churchman, Oct. 1924, p 269-82.
105. „ *Materialism: a collection of eight essays*. Hodder & Stoughton, 1932. 221 p.
106. „ *Science and ethics*. Watts, 1928. 46 p.
 In view of the "collapse of Christianity" the author tries to point the way to a new basis for ethical standards by the use of scientific method.
107. „ *The sciences and philosophy*. Hodder & Stoughton, 1928. 344p.
108. Hand, J. E., ed.
Ideals of science and faith. Allen, 1903. 333 p.
 A collection of essays including one by Bertrand Russell on "an ethical approach".
109. Harris, E. E.
Revelation through reason. Allen & Unwin, 1958. 123 p.
 Presents a view of the world, of man, and of God, based on the evidence of science, and demonstrates the extent to which this view supports the central doctrines of Christianity.



110. Hayward, J. F.
Evolution as a theological symbol. Hibbert Journal, July 1961,
p 331-42.
Argues that the conflict created by Darwin's "Origin of
Species" is now over and that "the Biblical picture of the
relation between man and God is characterized by an
emergent evolution".
111. Heim, K.
Christian faith and natural science. S.C.M., 1953. 256 p.
Translated into English by N. H. Smith.
112. „ *The transformation of the scientific world view*. S.C.M., 1953.
262 p.
Translated into English by W. A. Whitehouse.
113. Hunter, G.
Church, science and common pagan. Blackfriars, June 1950.
p 269-77.
114. Huntley, H. E.
The faith of a physicist. Bles., 1960. 159 p.
115. Huxley, J. S.
Essays of a biologist. Chatto & Windus, 1923. 306 p.
The last two of the seven essays, "Rationalism and the
idea of God", and "Religion and Science", maintain that
the idea of a personal God is an outmoded one, but that
religion is still very necessary. It is suggested that scientific
method can offer us something constructive in the making
of a new religion.
116. „ *Religion meets science*. Atlantic Monthly, Mar. 1931. p 373-83.
117. „ *Religion without revelation*. Parrish, 1957. 252 p.
Denies the need for religion to include belief in a personal
deity and suggests that it should now be based upon
evolutionary humanism.
118. „ *Science and God*. Observer, 17th July, 1960. p 17+.
A discussion involving Huxley and E. L. Mascall.
119. „ *Science, religion and human nature*. Watts, 1930. 80 p.
120. „ *What dare I think?* Chatto & Windus, 1931. 270 p.
A collection of essays on biology, humanism and the
future of science and religion.
121. „ *Will science destroy religion?* Harpers Magazine, Mar. 1926,
p 531-39.

122. Inge, W. R.
The church in the world. Longmans, 1927. 275 p.
 Includes long chapters on "science and theology", and
 "science and ultimate truth".
123. „ *God and the astronomers.* Longmans, 1933. 308 p.
 A discussion of some new physical and astronomical ideas.
 It is suggested that modern scientific thought is hostile to a
 God who is wholly immanent in the world, but is not
 unfavourable to a theistic position.
124. Kapp, R. O.
Facts and faith. O.U.P., 1955, 63 p.
125. Klotz, J. W.
Modern science in the Christian life. Concordia, 1961. 191 p.
126. Knox, R. A.
Broadcast minds. Sheed & Ward, 1932. 280 p.
 A discussion, from a Roman Catholic viewpoint, of the
 opinions held on religion by writers such as Bertrand
 Russell and Julian Huxley.
127. Lack, D.
Evolutionary theory and Christian belief. Methuen, 1957. 128 p.
 Discusses Darwinism in relation to theism. The author
 takes a neutral position, but stresses that the war between
 biology and theology is not yet over.
128. Langdon-Davies, J.
Man and his universe. Harper, 1930. 334 p.
129. „ *Science and commonsense.* Hamilton, 1931. 284 p.
130. Leuba, J. H. and J. A. Thomson.
Are religion and science irreconcilable? Forum, Sept. 1927,
 p 328-342.
131. Lewes, D.
Impact of Science upon religion. Modern Churchman Dec.
 1951, p 324-32.
132. Lodge, O.
Evolution and creation. Hodder & Stoughton, 1926. 164 p.
133. „ *Fact versus dogma: an appeal to the church.* Nineteenth Century,
 Jan. 1918, p 99-110.
134. „ *Man and the universe.* Methuen, 1908. 356 p.
135. „ *Reason and belief.* Methuen, 1910. 212 p.
 An account of the relationships between the faith of a
 Christian and the scientific facts about the universe in
 which we live.

136. Lodge, O.
Religion and the new knowledge. Hibbert Journal, Jan. 1932,
p 204-219.
137. Long, E. L.
Religious beliefs of American scientists. Philadelphia. West-
minster Press, 1952. 152 p.
138. Lowrie, D. A.
Atheism's resort to mendacity: Falsehoods in science and religion.
Christian Century, Dec. 1963, p 1513-1516.
139. Lowrie, W., editor and translator.
*The religion of a scientist: selections from the writings of Gustav T.
Fechner*. Kegan Paul, 1946. 281 p.
140. Lunn, A.
The revolt from reason. Eyre & Spottiswoode, 1950. 252 p.
Examines the arguments put forward against religion by
scientists from Victorian times onwards and maintains that
the term "rationalist" is a false description of most atheists,
because it is they who are often guided by "a naive faith"
rather than by reason.
141. Lunn, A. and J. B. S. Haldane.
Science and the supernatural. Eyre & Spottiswoode, 1935.
412 p.
A most interesting "battle by correspondence".
142. McDougall, W.
Was Darwin wrong? Forum, Feb. 1928, p 244-53.
143. Macfie, R. C.
Science re-discovers God. Edinburgh. Clark, 1930. 275 p.
144. McIntyre, J.
Science and religion: has the situation changed? Expository
Times, Oct. 1956, p 15-18 and Nov. 1956, p 36-39.
Reviews the present position with regard to the relation-
ships between the two subjects and points out that, in
certain ways, past controversies with science have benefited
theology.
145. McLaughlin, P. J.
The church and modern science. Burns & Oates, 1957. 374 p.
146. MacMurray, J.
Religion, art and science. Liverpool, University Press, 1961.
78 p.

147. Marchant, J., *ed.*
The coming of age of Christianity. Latimer House, 1950.
 190 p.
 Includes a chapter on Science and the Christian Life, by
 A. D. Ritchie, p 92-118.
148. Marvin, F. S., *ed.*
Science and civilization. O.U.P., 1923. 350 p.
 Includes important essays by Marvin, J. S. Huxley and
 J. A. Thomson.
149. Mascall, E. L.
Christian theology and natural science, some questions on their
 relations. Longmans, 1956. 328 p.
150. „ *Science and God.* Observer, 17th July, 1960. p 19.
 A discussion involving Mascall and J. S. Huxley.
151. Mather, K. F.
The God of science: a geologist faces the universe. Forum, Jan.
 1929, p 47-49.
152. Matthews, W. R.
Relation of religion and science. Nature, Aug. 29th 1953, p 376.
 Comments on C. A. Coulson's book, "Christianity in an
 age of science".
153. Messenger, E. C.
Theology and evolution. Sands, 1951. 332 p.
154. Miles, T. R.
Religion and the scientific outlook. Allen & Unwin, 1959. 224 p.
 Concentrates on the impact made upon theistic beliefs by
 modern philosophy and psychology, especially "logical
 positivism".
155. Miller, C. W.
A scientist's approach to religion. New York. MacMillan,
 1947. 127 p.
156. Mixter, R. L., *ed.*
Evolution and Christian thought today. Paternoster, 1959. 224 p.
 Gives the views of thirteen members of the American
 Scientific Affiliation.
157. Morrison, A. C.
*Man does not stand alone: seven reasons why a scientist believes in
 God.* Worlds Work. 2nd edn. 1962. 124 p.
158. Morrison, J. H.
Christian faith and the science of today. Hodder & Stoughton,
 1936. 225 p.

159. Mowrer, O. H.
Science, religion and student values: a plea for a genuine encounter between church and university. Christian Century, Oct. 1963, p. 1200-1202.
160. Nance, J.
A scientific basis for belief. Hibbert Journal, July, 1947, p. 342-49.
161. Needham, J.
History is on our side: a contribution to political religion and scientific faith. Allen & Unwin, 1946. 226 p.
162. Needham, J.
The sceptical biologist. Chatto & Windus, 1929. 288 p.
163. Needham, J., ed.
Science, religion and reality. New York. MacMillan, 1925. 389 p.
164. Newell, H. W.
The scientific revolution and the church. Modern Churchman, Mar. 1954, p. 45-48.
165. Ong, W. J., ed.
Darwin's vision and Christian perspectives. MacMillan, 1960. 154 p.
166. Paton, H. J.
The modern predicament: a study in the philosophy of religion. Allen & Unwin, 1955. 405 p.
167. Peake, H.
The flood: new light on an old story. Kegan Paul, 1930. 116 p.
168. Perry, M. C.
Parapsychology in apologetics: the religious and the scientific approach to reality. Church Quarterly Review, Jan.-Mar. 1959, p. 77-84.
169. Pilkington, R.
Revelation through science. Lutterworth, 1954. 192 p.
Argues that the keen battle with science in the 19th century has, in the long run, aided religion. The modern Christian, the author contends, should try to live where the spiritual and scientific worlds meet.
170. „
World without end. MacMillan, 1960. 165 p.
Describes the author's own faith and the spiritual problems he has encountered. He hopes that, by reading of his experiences, others with a scientific training will be helped.

171. Pitts, J.
Religion and the new paganism. Independent Press, 1950.
273 p.
172. Pollard, W. G.
Chance and providence: God's action in a world governed by scientific law. Faber, 1958. 190 p.
Tries to reconcile Biblical providence and scientific causality.
173. „ *Physicist and Christian: a dialogue between the communities*.
S.P.C.K., 1962. 178 p.
174. Quinton, G. E.
Scientific and religious knowledge. S.C.M., 1950. 159 p.
175. Rabut, O.
Dialogue with Teilhard de Chardin. Sheed & Ward, 1961.
247 p.
176. Ramm, B.
The Christian view of science and scripture. Paternoster, 1955.
252 p.
Especially valuable for its discussion of biblical incidents which may be thought to be in conflict with astronomy, geology, biology or anthropology. This book is now also available as a paperback in the Mount Radford reprint series.
177. Ramsey, I. T.
Religion and science: conflict and synthesis. S.P.C.K., 1964. 98 p.
178. „ *Religion and science: a philosopher's approach*. Church Quarterly Review, Jan.-Mar. 1961, p 77-91.
179. Raven, C. E.
Science and the Christian man. S.C.M. 1952. 60 p.
180. „ *Science, medicine and morals*. Hodder & Stoughton, 1959.
189 p.
181. „ *Science, religion and the future: eight lectures*. Cambridge, University Press, 1943. 125 p.
182. „ *Teilhard de Chardin: scientist and seer*. Collins, 1962. 221 p.
183. *Religion in a scientific age: papers of the 46th annual conference of modern churchmen*. Modern Churchman, Oct. 1963.
Papers include "Religion in an age of science", by C. E. Raven; "The status of theology in a scientific world view", by A. O. Dyson; "Humanism—scientific or Christian?" by F. A. Piachaud, and "The Bible in an age of science", by J. D. Pearce-Higgins.

184. Reyner, J. H.
The universe of relationships. Stuart, 1960. 130 p.
185. Ritchie, A. D.
Civilization, science and religion. New York. Penguin Books, 1945. 188 p.
186. Robinson, W.
Christian belief in a scientific age. Expository Times, June 1953, p 268-73.
187. Rowland, J.
Science and religion. Hibbert Journal, Oct. 1961, p 1-9.
Draws attention to facts about men that cannot be explained by the laws of science. Science, for example, does not deal with ethics or value judgements and there is a danger that, to use a phrase of Kenneth Walker's "man's power has outstripped man's discipline".
188. Russell, B.
Religion and science. Butterworth, 1935. 256 p.
One of the many writings of this author, seeking to show that religion is unscientific and has impeded human progress.
189. Russell, B.
Sceptical essays. Allen & Unwin, 1928. 251 p.
17 essays on the sceptical attitude.
190. „ *What I believe*. Forum, Sept. 1929, p 129-34.
191. Samuel, H. L. and H. Dingle.
A threefold cord-philosophy, science, religion. Allen & Unwin, 1961. 280 p.
192. Sanden, O. E.
Does science support the scriptures? Grand Rapids, Zondervan, 1951. 172 p.
193. Sauer, E.
King of the earth: the nobility of man according to the Bible and science. Paternoster, 1962. 256 p.
194. Schilling, H. K.
Science and religion. Allen & Unwin, 1963. 273 p.
The work of a physicist, who tries to show that although science and religion are different they are by no means incompatible.

195. Science and religion: a symposium. Howe, 1931. 175 p.
The broadcast talks of J. S. Huxley, J. A. Thomson, J. B. S. Haldane, E. W. Barnes, B. Malinowski, H. R. L. Sheppard, B. H. Streeter, C. W. O'Hara, A. S. Eddington, S. Alexander, W. R. Inge and L. P. Jacks.
196. Sheerin, J. B. *Huxley's new religion*. Catholic World, Jan. 1960. p 206-207.
197. Shideler, E. W.
Can theology and science converse? Christian Century, Feb. 1960, p 215-217.
198. Short, A. R.
Modern discovery and the Bible. Inter-Varsity Fellowship, 1949. 244 p.
199. „ *Wonderfully made*. Paternoster, 1951. 151 p.
200. Simpson, J. Y.
Apologetics and the impact of science upon theological thought. Expository Times, Feb. 1932, p 231-233.
201. „ *Garment of the living God: studies in the relations of science and religion*. Hodder & Stoughton, 1934. 281 p.
202. „ *Nature: cosmic, human and divine*. O.U.P., 1929. 157 p.
203. Sloan, J. W.
Science and religion: the present position from a scientist's viewpoint. Expository Times, Feb. 1953, p 142-145.
204. Smethurst, A. F.
Modern science and Christian beliefs. Nisbet, 1955. 308 p.
Seeks to show that the attitudes taught by Christianity are those which a good research scientist should possess. The relation of the biological and physical sciences to Christian teaching is indicated and there is an appendix on modern philosophies arising from science, such as dialectical materialism.
205. Smith, J. M.
First steps in a Christian philosophy of science. Church Quarterly Review, Jan.-Mar. 1959, p 89-98.
206. Stace, W. T.
Religion and the modern mind. MacMillan, 1953. 301 p.
207. Stockwood, M., ed.
Religion and the scientists. London. S.C.M., 1959. 96 p.
Contributors are N. F. Mott, M. L. Cartwright, F. G. Young, G. P. Thomson, F. Hoyle, C. F. A. Pantin, and R. H. Thouless.

208. Stripp, E. E.
Science and religion. Ilfracombe. Stockwell, 1960. 54 p.
209. Taylor, F. S.
The church and science. Month, Mar.-April, 1944, p 89-102.
210. „ *The fourfold vision: a study of the relations of science and religion*. Chapman & Hall, 1945. 108 p.
211. „ *Man and matter: essays scientific and Christian*. Chapman & Hall, 1951. 238 p.
212. „ *The substitution of science for religion*. Blackfriars, Apr.-May, 1950, p 172-82.
213. „ *Two ways of life: Christian and materialist*. Burns & Oates, 1947. 111 p.
214. Teilhard de Chardin, P.
The phenomenon of man. Collins, 1959. 320 p.
 A difficult book to read but one of the truly great modern attempts to link scientific and religious thought.
215. Temperley, H. N. V.
A scientist who believes in God. Hodder & Stoughton, 1961. 171 p.
 Endeavours to show that it is quite possible to see the universe in a way which is consistent with the teaching of Christ and with scientific fact. It is suggested that the church could help the laity more with some of their difficulties.
216. Tester, S. J.
Science and the Christian belief. Hibbert Journal Oct. 1957, p 20-30.
 Argues that C. A. Coulson and C. E. Raven have used false arguments in writing on science and religion although the conclusions they reach are correct. The author gives his own reasons for suggesting that science and religion are compatible.
217. Thomson, J. A.
Science and religion. Methuen, 1925. 238 p.
 Six lectures dealing with:—science and religion; the unseen universe and the nature of things; the powers of the world; the implications of life; psychology and religion; a contribution to natural religion. There are appendices by D. L. Thomson on relativity, the quantum theory, and states of matter.

218. Tute, R. C.
After materialism—what? Melrose, 1948. 176 p.
219. Walker, K.
Meaning and purpose. Cape, 1944. 170 p.
220. „ *Only the silent bear.* Cape, 1953. 190 p.
221. Wells, H. G.
What I believe. Forum, Aug. 1930, p 65-70.
222. Whitehouse, W. A.
Christian faith and the scientific attitude. Oliver & Boyd, 1952.
147 p.
An exploration of Christian belief and of the authority of both the Gospel and science. The church must learn from science and impart the Christian message in language that can be understood by a scientific mind.
223. „ *Order, goodness, glory.* O.U.P., 1960. 83 p.
224. Whittaker, E.
Space and spirit: theories of the universe and arguments for the existence of God. Nelson, 1947. 149 p.
225. Wilson, J. M.
Christianity in the light of the idea of evolution. Guardian, 9th April, 1926, p. 301-304.
226. Windle, B. C. A.
The Catholic Church and its reactions with science. Burns & Oates, 1927. 152 p.
227. „ *The voice of science—the voice of God?* Catholic World, Feb. 1923, p 647-654.
228. Wood, H. G.
Contemporary religious trends: science and religion. Expository Times, June 1956, p 283-286.
229. „ *The inevitable tension between science and religion.* Congregational Quarterly, July 1953, p 206-211.
230. Wood, H. G.
Science and religion: the modern conflict between them. Expository Times, May 1948, p 207-209.
231. Wren-Lewis, J.
Does science show us a meaningless universe? Twentieth Century, Sept. 1959, p 142-52.
Argues that we cannot base religious belief on an idea of order in the natural world. Yet an exploration of the world of personal relationships reveals facts which support Christian doctrines.

232. Wren-Lewis, J.
Liberal religion and the scientist. Hibbert Journal, April 1960,
 p 223-30.
 States that modern science is a religious activity and that
 science is not responsible for materialism.
233. „ *The lure of pseudo-science*. Twentieth Century, Feb. 1959,
 p 107-117.
 Reviews some false modern scientific notions.
234. „ *Science and the doctrine of creation*. Expository Times, Dec.
 1959, p 80-82.
 Tries to assure Christians that the idea of "continuous
 creation" as envisaged by Hoyle and others can be a
 blessing rather than a torment to theology.
235. Wyatt, H. F.
Science and the moral law. Nineteenth Century, May 1922,
 p 858-868.
236. Yarnold, G. D.
Christianity and physical science. Mowbray, 1950. 173 p.
237. „ *The spiritual crisis of the scientific age*. Allen & Unwin, 1959.
 207 p.
 The first section of this book deals with theology and
 natural science, the second with science, the Gospel, and
 Biblical criticism, and the third with the practical appli-
 cation of Christian ethics in a world where mis-directed
 scientific effort might lead to disaster.
238. Zimmerman, P. A. and others.
Darwin, evolution and creation. Missouri. Concordia Press,
 1959. 231 p.
 Joint authors are J. W. Klotz, W. H. Rusch and R. F.
 Surburg.

Periodicals Cited

Atlantic Monthly
Blackfriars
Catholic World
Christian Century
Church Quarterly Review
Congregational Review
Evangelical Quarterly
Expository Times
Forum
Guardian
Harpers Magazine
Hibbert Journal
Listener
Modern Churchman
Month
Nature
Nineteenth Century
Observer
School Science Review
Science Monthly
Spectator
Twentieth Century
Westminster Review

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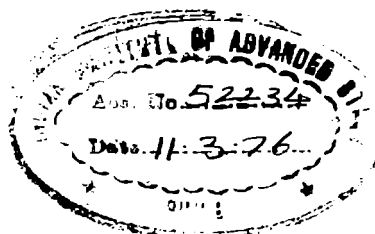
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