UN-SCIENCE, NOT SCIENCE, ADVERSE TO FAITH.

A SERMON

PREACHED BEFORE THE UNIVERSITY OF OXFORD

ON THE TWENTIETH SUNDAY AFTER TRINITY, 1878.

BY THE

REV. E. B. PUSEY, D.D.
REGIUS PROFESSOR OF HEBREW AND CANON OF CHRIST CHURCH.

SOLD BY
JAMES PARKER & CO., OXFORD,
AND 337, STRAND, LONDON;
AND RIVINGTONS,
LONDON, OXFORD, AND CAMBRIDGE.
1878
Price One Shilling.

PRINTED BY THE DEVONPORT SOCIETY OF THE HOLY TRINITY,
HOLY ROOD, OXFORD.
TO
HENRY WENTWORTH ACLAND, M.D.
REGIUS PROFESSOR OF MEDICINE IN THE
UNIVERSITY OF OXFORD
WHO DEVOTED THE PRIME OF LIFE
TO THE REVIVAL OF THE STUDY
OF THE BOOK OF GOD’S WORKS
IN OXFORD
AND THROUGH WHOSE KIND CARE AND SKILL
GOD RESTORED THE AUTHOR
THE STRENGTH TO WRITE IT
THIS SERMON
IS INSCRIBED
WITH TRUEST AFFECTION.
WHY is the study of the physical sciences at this time so often adverse to the faith in God, and His Son, Jesus Christ our Lord? There is no doubt alas! that it is so: the long list of eminent scientific men of old, of unimpaired faith, shews that it need not be so. To consider why of late it has been so, may, by God’s blessing, save individuals from being borne away into the whirlpool.

It is not that the book of God’s works contradicts the book of God’s Word, or even that man’s interpretation of the one book contradicts his interpretation of the other. They move in two different spheres, and cross each other’s path only in the most elementary points. The sphere of the Bible is the revelation which God makes of Himself to man, what He has declared of Himself, of His Being, His Attributes, His relation to His creatures and of His creatures to Him; what duties that revelation imposes upon man; how man may correspond to the purposes of that revelation; why he failed; how he may recover; what God has done to restore him, nay to raise him above his original creation in grace: how He daily helps him in his struggle with sin, on his way, step by step, upwards to Himself; how he may attain to the end, for which he was created, likeness to God, love of God, union with God, attaining to God, the blessed-making sight of God, in all eternity; and, on God’s side, by what rule of His everlasting justice holiness and mercy, He will, after this life, dispose of each individual soul whom He has made and has redeemed. The sphere of physical science is the material.

The basis of a lasting peace and alliance between physical science and Theology is, that neither should intrude into the province of the other. This is also true science. For science is certain knowledge based on certain facts. The facts on which Theology rests are spiritual facts; those of physical science are material.

Theology has wisely gone back to the wisdom of S. Augustine, who deprecated a Christian’s supporting opinions on physical science by the authority of Holy Scripture. “When they [the better-instructed heathen]” says this father, “discover some Christian in error in a matter which they themselves know thoroughly, and supporting his opinion out of our books, how are they to believe those books on the resurrection of the dead, the hope of life eternal, and the kingdom of heaven, when they think them written delusively on things which they can know by actual experience or certain calculations? It cannot be said, what anxiety and sorrow these rash dogmatisers inflict on their wiser brethren, if, when they are blamed and convicted of the rashness and falsehood of their opinion by those who are not bound by the authority of our books, they endeavour to defend, what they have said with most inconsiderate rashness or most evident error, out of the same sacred books, without understanding either what they say or whereof they affirm.”

---

1 The writer, having the opinion of an eminent physician that this sermon was too long for his powers of delivery, and not knowing how to shorten it, the sermon was actually delivered by his friend the Rev. H. P. Liddon, D.D.
2 S. Aug. de Gen. ad lit. i. 39.
Peter Lombard sums up the mind of those before him. “Man, by sinning, lost not the knowledge [of natural things,] nor how to provide things necessary to his being. And therefore in Scripture man is not instructed in these things, but in the knowledge of the soul which by sinning he had lost.”

Theology is even bound, not to lay down as certain truth any one meaning of Holy Scripture, whenever its words are any how capable of another. Again says the same thoughtful father, who had struggled through wild error to the light of truth, “If in things obscure and far removed from our sight, we read anything even in Divine Scripture, which may, without injury to the faith wherewith we are embued, yield different meanings, let us not, by any hasty affirmations, so precipitate ourselves into any one of them, that, if a more diligent discussion of the truth should really shake it, we should fall with it, contending, not for the mind of the Divine Scriptures but for our own, so as to wish that Holy Scripture should mean what we mean, whereas we ought to wish the meaning of the Scripture to be ours.”

True Theology then precipitates nothing. It has no preconceived opinions in a province which is not its own. It cannot accept as certain truth, unproved guesses, imaginations as to what might be in God’s Omnipotence, but cannot be proved ever to have been; it cannot accept alleged want of proof that a thing is, to be a proof that it is not. On the solid foundation of the Rock, whereon it stands, it looks out securely on the conflict of human opinions, as they toss to and fro on the salt and bitter sea of this tempestuous world. It looks out securely, but with pity; thankful for its own security, anxious that others, who now, amid their wanderings, seek the same path of life, yet seek it not where it is to be found, should also find it; jealous over itself that it repel them not, by questioning anything, which, although as yet unproved, at least contradicts not the higher truths, of which it is the constituted guardian, lest perchance there should be a basis of truth, which should ultimately emerge out of the chaos, on which the Spirit of God has not yet brooded.

Geology has increased its demands. It fills up time with its periods, and its periods as it wills; it goes back from transformation to transformation, as far as imagination can reach along its millions of years, until the earth be but a formless mass of independent atoms (as it imagines), floating in ether. Theology accompanies it, undisturbed, (since time is no measure for eternity,) and when it has reached its utmost bound, and imagination is lost and dizzied in that all-but-endless time, repeats calmly the words of Moses, “In the beginning God created the heaven and the earth.” The words of Moses remain a truth, which theorisers may keep out of sight, but have no grounds of science to deny. Even to human science it at least remains probable, that an effect implies a cause.

Yet although Theology looks on the question of time as outside of its own teaching, it would be well for Geology to come to a result within itself, before it turns its results against revelation. Time, it has been said, costs nothing to Geologists. “Truly,” said one who once taught here, “it does not.” Else, I may add, they would not be so spendthrift of it. But neither does it to Almighty God. It has not indeed the precision which we might expect of an exact science, when one writer demands 353 millions of years for the formation of the solid basis of the earth. A calculation, whose units are

---

3 L. ii. Dist. 23.
4 S. Aug. de Gen. ad lit. i. 37.
5 G. Bischoff quoted by Caussette Le bon sens do la foi ii. 405.
millions, has an apparent, rather than a real exactness. Yet Theology says to it, ‘do as you will: it concerns not me: theology is concerned only with the religious aspect of creation, how God, Who created all things, placed man in his trial-time upon this earth. With any pre-historic period I have nothing to do: I will receive whatever you establish, but I cannot receive these conjectures as matters of faith: ‘I will welcome the most romantic imaginations of science, if only science will not erect them into articles of faith against the faith.’ Conjectures have often led to the discovery of truth; but until any truth is discovered, they lie outside of science. In science too we must teach as truth only what we know.

Of the formation of the earth Theology would equally admit of Lucretius’ combination of atoms floating in space, and drawn together by mutual attraction, provided only that He Who gave them those impulses, and placed each individual at the distances, whence that attraction would act, was—not chance, but God.

To Theology creation is equally magnificent, whether the earth started into existence at once at the command of God, when “the angels shouted for joy”7 at the formation of this our scene of trial, where we should be fitted to be as they; or whether God created matter, in countless molecules, to be attracted together through a property which He imparted to them, each and all. Theology looks with equal impartiality on all geological theories, “atomism, plutonism, neptunism, convulsionism, quietism,”8 provided that, in whatever way it pleased our Creator to act, this be laid at the foundation, that the earth was not eternal, but was created j and that it was at His will, that it passed through whatever transformations it underwent, in conformity to the laws which He imposed upon it.

To Theology all explanations of the details of the six days of creation are indifferent. The mission of Moses was to announce a Creator to a benighted world, and that man was the work of God’s hands, formed in His own likeness, having the stamp of His own Divinity upon him, receiving his life and soul immediately from Himself. In what sense the word “day” is to be explained; whether Moses speaks of six periods of 24 hours, or of unlimited periods; whether those periods were closely consecutive on one another; whether the sun broke through a dense vapour enveloping the earth, on that glorious dawn of the fourth day, having been before hidden from it, and the moon and the stars then first shone upon the earth in its evening; whether even the works of the Hexaemeron took place in the order, in which they are related; where comes in all that history, which the recent study of the catacombs of the earth unfolds, whether in the six days or periods, or before them; whether Moses is relating the renewal of the face of the earth, after some sentence passed upon its former inhabitants,—on all this and more, genuine Theology says nothing, and is even jealous over herself, lest she should seem to invest any physical theory with the sacredness of Divine truth.

It ranked formerly among objections to the revelation by Moses, that he recorded the creation of light before that of the sun. Now that it is known that light is independent of the sun’s orb, Theology abstains from ascribing to Moses astronomical knowledge, nor will it claim for him geological, on account of some seeming correspondence between the work of the six days and the layers discovered by geology. Theology has been taught,
Who gave being to all which has being. If human speculation or research thinks that it can discover in what order God created, Theology leaves it to decipher God’s book of nature as it can; whatsoever it may establish as certain truth, it is ready to receive as a human supplement to its Divine knowledge; but possibilities, conjectures, however they may lead to truth are not yet ascertained truth.

So as to the miracle of Joshua, it has even been a common opinion, that Holy Scripture does not lay down, how the light was prolonged, and that Joshua spoke only, as any astronomer of this day would, when he says, The sun “rises,” The sun “sets.” The question belongs to that of miracles, as a supernatural order of things, not to the relation of this particular miracle to physical science.

Our Lord, as well as Moses, tells us that the deluge was universal as to man all but the eight persons in the ark: Moses tells us nothing about the earth, because it does not concern us. Moses’ language is, in part, obviously metaphoric. He says nothing about the means, natural or supernatural, whereby it was brought about. “The fountains of the great deep” might have been equally “broken up,” whether, it pleased God to use volcanic agency, or the waters of the deep. Natural science then has nothing to oppose, because nothing is said. Moses only tells us that God foretold what He would do, and that those who neglected His warning perished, as it will be, our Lord tells us, at the end.

Physical science at one time believed, perhaps some still believe, in spontaneous generation: no one ever saw an instance of it: but the naturalist contradicts it, not the theologian. Scientific knowledge denies it; Theology would be willing to receive it, if it were proved. Theology places no limits on the modes of His working, Who works all things in all. If God willed that organic life should start out of inorganic masses, Theology would accept it at once, since our Lord has said, “My Father worketh hitherto and I work.” It would be to Theology only a renewal of what it already believes, that “God formed man of the dust of the ground and breathed into his nostrils the breath of life, and man became a living soul.”

The workings in nature are to Theology only the workings of God. For nature, although men ascribe to it wisdom and power, and personify it as if it were a goddess, is but a name for an effect, whose Cause is God. But science too says, “Tertium non datur.” There is no other choice left; either spontaneous generation, or a Creator. If any lay down, ‘I accept not creation;’ then his second thesis must be, ‘Then I accept spontaneous generation.’ But for this we have no evidence of fact.”

Again, physical science now assumes as certain truth (would that it believed truths of the Word of God as unhesitatingly!) an unproved theory, that Almighty God did not create all the forms of animal creation at once, but some primordial germs only, out of which all the rest were evolved. Evolution is, for the day, a sort of Gospel, or at least an axiom of physical science. Apart from unproved and unprovable and therefore unscientific details, the principle, that God may have created some things in that of all things which have their birth corporeally and visibly, some hidden seeds lie hid in those

---

9 See Lap. on Ecclus. xlvi. 5. p. 954. See also Reusch, Bibel und Natur, pp. 25, 26. ed. 1876.
11 S. John v. 17.
12 Gen. ii. 7.
13 Virchow die Freiheit der Wissenschaft, p. 20.
corporeal elements of this world,“\(^1\)\(^4\) is no other than the teaching of our Western Theology since S. Augustine. Far more development might be granted, than science can prove, a wider range might be given to the popular theory of evolution than exact science yet admits of; the number of species of which human experience knows, might be reduced indefinitely, without contradicting the Bible history of the creation: “God made the beast of the earth after his kind, and cattle after their kind, and every thing that creepeth upon the earth, after his kind.“\(^1\)\(^5\)

To our unimaginative minds, the unity of types in creation, amid a variety which the human mind cannot grasp, seems more explicable by the unity of its Author than by transformist theories. Even in works of human creativeness (as works of art, fiction, poetry, even music) we are accustomed to recognise sameness of authorship by some recurring characteristic. We do not ascribe it to poverty of imagination, but to some pleasure which the soul takes in its creations. But while we think the transformist theories a mere imagination, Theology does not hold them excluded by Holy Scripture, so that they spare the soul of man.\(^1\)\(^6\)

Theology then gives to natural science the knowledge of God: it does not interfere with itself. Some of the adherents of natural science seem even impatient with Theology, that Theology will not contradict it, that so science might have an excuse to reject it.

“Negative Atheism,” says one\(^1\)\(^7\) speaking for natural science, “is the outcome of science.” Why so? It was not so formerly. “The heavens,”\(^1\)\(^8\) David bursts forth, “evermore declare the glory of God, and the firmament sheweth His handy-work. Day unto day poureth forth speech, and night unto night sheweth knowledge.” It is one universal language, understood without utterance. They speak, because they are. “There is no speech, no words; their voice is not heard: their line is gone out through all the earth and their words to the end of the world.” Why are they silent to any now? Why is their mute speech no longer understood? What has dulled the inner ear? The glory of the nightly heavens made David marvel at God’s great condescension to man.\(^1\)\(^9\) They have the same wondrous piercing transporting beauty now. Why to one class of minds do they give rise to speculations only, out of what nebulae they were condensed, or to another furnish arguments that God would not have regard to the inhabitants of a world so small as ours? As if the geographic extent of a world were the measure of its intrinsic value, and God were bound by a law of necessity, not to shew forth the greatest marvels of His condescension to the very lowest of His rational creation; or as if S. Paul were necessarily wrong when he spoke of the design of God, that “now unto the principalities and powers in heavenly places might be known through the Church the manifold wisdom of God;”\(^2\)\(^0\) or that the Apostles, in their conflict with the world which would destroy them, were “a

\(^{15}\) Gen. i. 25.
\(^{16}\) “The position of faith with regard to the theories of evolution seems to be this. It is not contrary to faith that all living things up to man exclusively were evolved by natural law out of minute life-germs primarily created, or even out of inorganic matter.” Dublin Review. Ib. p. 38.
\(^{17}\) Drysdale, ‘Is scientific materialism compatible with dogmatic Theology?’ p. 53.
\(^{18}\) Ps. xix. 1-6.
\(^{19}\) Ps. viii.
\(^{20}\) Eph. iii. 10.
spectacle unto the world and to angels and to men;”\(^{21}\) or S. Peter, that ‘angels desire to
stoop down and look into the mysteries of our salvation.”\(^{22}\)

Whether any of those heavenly hosts, of which Theology knows, dwell locally in
other worlds; whether, although unadapted to the existence of beings of the like physical
condition with ourselves, God has peopled them with inhabitants fitted to exist in them,
Theology leaves to His Infinite Wisdom. It has not pleased God to reveal it to us here,
because it does not concern us to know. To us too it seems most probable, that that
brilliant, but inanimate, creation is somehow full of intelligent life; and if so, then it is
full of fellow citizens of ours, children of the same God although not of the same race;
severed in those almost measureless spaces, but joined with us in our adoration of the
God of all, and uttering with us the Angelic hymn, “Holy, Holy, Holy, Lord God of
Sabaaoth: Heaven and earth are full of Thy glory.” The unknown and unrevealed can be
no argument against that which is known, because revealed. Pseudo-science declares that
“to the really pious man, the thought that all which lives is allied to him is an instruction
full of interest.”\(^{23}\) Theology teaches us that our fellow-citizenship is not with the brutes,
but with the angels, to whom, our Lord tells us, they who shall be “accounted worthy to
obtain that world,”\(^{24}\) “shall be equal.”

[David again speaks of the development in his mother’s womb, almost, but for
his reverence, as if he were writing in our century. ‘Thou’\(^{25}\) hast created my inward parts;
Thou didst interweave me [with nerves and veins and arteries] in my mother’s womb: my
substance (his self, his undeveloped substance) was not hid from Thee, when I was made
in secret, and variegated (with all the intricacy of our physical structure.) Thine eyes did
see my formless substance; the ball, which was afterwards to be unwound, as what lay
yet undeveloped was expanded into the rudimental shape of the future being: “and in Thy
book were they all written,\(^{26}\) which day by day were formed, when as yet there were none
of them.” But that Theology would not identify David’s words with modern physical
theories, we might speak of this as a doctrine of the evolution of the individual. Yet
David believed in his Maker and glorified Him. His own creation was to him matter of
awe and admiration and praise.

S. Paul tells us that “the invisible things of God from the creation of the world are
clearly seen, being understood by the things that are made, even His eternal power and
Godhead, so that they are without excuse.”\(^{27}\) Much modern science says, that they not
only had excuse, but that they were right; for that the things made give no witness to their
Maker.]

Since then Theology restrains itself within its own bounds, keeps itself clear of
Physical Science, and accepts every certain conclusion of Physical Science, as man’s
unfolding of God’s book of nature, why this unnatural relation of physical science to
Theology? Why did, not David only, but Copernicus and Galileo, Newton and Kepler and

\(^{21}\) 1 Cor. iv. 9.
\(^{22}\) 1 S. Pet. i. 13.
\(^{23}\) “He who reflects not will find therein matter for laughter; but the man who is truly pious &c.” C. Vogt in
Caussette ii. 537.
\(^{24}\) S. Luke xx. 35.
\(^{25}\) Ps. cxxxix. 13.
\(^{26}\) I prefer the E. V. It is natural to use [Hebrew] of the framing of the human frame, not of the days of
human life.
\(^{27}\) Rom. i. 20.
Euler, look up and adore, and yet it has been said, in the name of modern science, “The heavens no longer declare the glory of God, but that of La Place?” And yet nearly all the ideas of La Place on the origin of the globe have been accepted by a divine who believes also in his God.

It may seem to be beginning a great way off, but, in a place of education, it is not amiss to say, ‘One reason of this alienation of modern physical science, is its exclusiveness.’ A thoughtful writer has said, “Special studies, which bring into play a particular aptitude of intelligence, without paralysing the rest, are conformable to the wants of nature. Exclusive studies, which amass a sort of congestional life upon one point of the mind, leaving the rest in inaction, are an abnormal development, an excrescence of intellectual life; so that while special science forms men who are eminent, exclusive science produces judgements which are false. Exclusive science is the only one injurious to religion; but it is also the only one opposed to it.”

“What withholds a man from faith, is not the knowledge of nature, which any one has, but the knowledge of religion which he has not.”

We readily recognise in other subjects the special peril of exclusiveness, in narrowing the range of thought. Theological exclusiveness or narrowness is a by-word to physical science. Physicists would seem to hold it almost impossible, that a Theologian should not be narrow. It seems to them a strange phenomenon, a thing to be noted, when he is not so. Why, but because the all-importance of this study is supposed so to rivet the minds of those devoted to it as to indispose them to take in thoughts which lie outside of it, much more those which at first sight seem to impinge against it? It could hardly be held to be so universal a fruit of Theological study, unless there were some widely prevailing cause. It cannot be that the grandest study, in which wisdom power love goodness and all besides are infinite, should be narrowing, universally and alone. It must be a deep human infirmity, which should contract the conception of infinity. If the exclusive study of the highest be, as men say, narrowing, other studies may well look to it. This narrowing cannot be confined to Theology. It is not a mere retort, but the acknowledgement of a common human infirmity, if Theology says to Natural science, “Change but the name, the tale is told of thee.”

“Any one study, of whatever kind, exclusively pursued,” says a very thoughtful writer, “deadens in the mind the interest, nay the perception of any other. Thus Cicero says that Plato and Demosthenes, Aristotle and Isocrates, might have respectively excelled in each other’s province, but that each was absorbed in his own. His words are emphatic; ‘each, delighted with his own, despised the other’s study.’ Specimens of this peculiarity occur every day. You can hardly persuade some men to talk about anything but their own pursuit; they refer the whole world to their own centre, and measure all matters by their own rule.—It is clear that the tendency of science is to make men indifferentists or sceptics, merely by being exclusively pursued.”

And this it does, partly by losing sight of what is spiritual, God, the soul, freewill, human responsibility, and all the truths of revelation, through being immersed in the

29 P. Pianciani in Caussette ii. 407.
31 Ib. p. 238.
material; partly by forgetting the bounds which belong to it as science, i.e. as accurate knowledge, “encroaching on territory not its own, and undertaking problems which it has no instruments to solve.”

But, if physicists will bear with our saying it, exclusive study of natural science must be even more liable to limit the range of vision than that of Theology. For Theology, if studied at all, necessitates the study of a large range of subjects, connected with the spiritual. Physical science has also a large range, but it is wholly material. But matter and spirit are not only separate; they are wholly distinct from one another. To dwell exclusively upon the one deadens the sense of the other. God, we know, is wholly Spirit; we can form no sensible conception of Him. We can know Him, love Him, adore Him; we can feel His Presence, if He will; we may have “a tingling sense of His Presence.” Moses saw Him Who is invisible. But we cannot imagine Him. An idealist Philosopher disbelieved in the existence of matter: much more easily may one who is conversant only with matter forget the existence of spirit. “The eye that looks too exclusively on physical nature loses the habit of considering that nature is not the whole of God’s plan.” A very celebrated physical philosopher of this day says, “The logical feebleness of science is not sufficiently borne in mind. It keeps down the weed of superstition, not by logic, but by slowly rendering the mental soil unfit for its cultivation;” in other words, “The mind, being bound down to what is material, becomes unfit for the reception of spiritual truth,” a verification of S. Paul’s words, “The natural man understandeth not the things of the Spirit of God; neither can he know them, because they are spiritually discerned.

Modern science in England does not, for the most part, deny God. Fanaticism, like that in Germany which said, “you must deny God and trample the Cross under foot, before you can become even a scholar, far less a master in Natural Science,” would shock in England by its coarse and naked blasphemy. But science, which does not deny God, may forget Him. It would very likely acknowledge Him, if it were asked. But it is so busy about secondary causes, that it has no time to think about the First Cause. Time and thought are fully occupied without Him. It goes back from link to link, and forgets that the chain is but a weight, unless it is fastened somewhere. Every secondary cause is at once a cause and an effect; an effect of what goes before, a cause of what succeeds it. But where is the First Cause, upon which it depends? Natural science has to do with created things, how they act on each other. The belief in a First Cause, or a Creator, belongs to man, as a creature, not as an investigator of science. It cannot find God or the soul at the bottom of its crucible. This was the complaint of one very eminent in science, “I have sought God every where, and have found Him no where.” Why? but because he sought Him, where he did not know how to find Him, and sought Him not, where he might have found Him, in Revelation or in his own soul. The thought of a First Cause belongs to Theology, or in its degree, to Philosophy, not to the natural sciences. It is foreign to the researches of Physical Science; so much so, that when one, who had traced

---

34 Prof. Tyndall, Pall Mall Gazette June 15. 1868.
35 1 Cor. ii. 14.
37 Humoldt to the king of Prussia. Lalande is quoted as saying, “I have searched the heavens, but have no where found the traces of a God.” Drysdale, “Is scientific materialism &c.” p. 50.
the development of species through all links possible and impossible, closed his book, not as a philosopher but as a Theist, by speaking of life with its several powers having “been originally breathed by the Creator into a few forms or into one,”38 his expression was criticised, because it acknowledged God as the Author of all. It, in fact, brings back the old belief, that God is the Ultimate Cause of all that is, because, at all events, He infused into those supposed primordial principles the power of generating, step by step, whatever was developed from them.

But there is an unconscious as well as a conscious disbelief in God; and the unconscious disbelief in Him is often the more dangerous, because the more subtle. To deny God, is more the sin of those rebellious spirits, who dispute His claim over our wills. To forget God may be human infirmity, in every thing which absorbs the mind, in intellectual ambition, as well as in the slavery to sense, or in the shadowy day-dreams of human greatness. “Thy judgements,” says David, “are far above out of his sight.” They are above; he is below. Of the Holy One it is said, “I have set God always before Me:”39 of the man of this world, “Thy judgements are high from before him.”40 They do not come across him.

Yet to deny God requires more belief in God than to forget Him. To deny God implies that He has a claim to be believed; it virtually acknowledges the claim which it resists. God is in his thoughts, though as yet put away from them. The latent belief, though resisted and repelled, may, by God’s mercy and grace, yet reassert itself, when the hindrance put to it by man’s will is, by whatever means, withdrawn. The fast-closed doors may at length be opened. “I have known many of them,” says Plato,41 “and can tell you this, that no one who had taken up in youth this opinion, that the gods do not exist, ever continued in the same till he was old.” God has, as it were, slipped out of the memory of those who forget Him. He is to them a thing of the past. It may have more of contempt to forget Him. “So, brother,” said a member of the Institute to a colleague,42 “decidedly God does not exist?” “He does not exist,” was the answer; “modern science could not admit a hypothesis so absurd as God a Creator.” “So you are quite certain?” was the reiterated question. “Perfectly certain.” “Well then, colleague, you are more credulous than I, for I know nothing about it.”43

Atheism has been formally pronounced to be “a system too religious, because there is something better than to deny religion. It is to forget it.”44

Yet belief belongs to that perfection of man’s nature, in which God created him. Something man must believe. “The time will come,” says S. Paul45 of times like these, “when they will not endure sound doctrine, and they shall turn away their ears from the truth, and shall be turned unto fables.” “I am come in My Father’s Name,”46 our Lord

---

38 Darwin ‘Origin of Species,’ end.
39 Ib. xvi, 8.
40 Ps. x. 5.
42 “One day M. Babinet came out of the palace of the Institute, with a colleague, a hardened mathematician, who eliminated God out of all his calculations, as an Unknown, irrational and disturbing. The two nihilists conversed freely. ‘So, brother,’ said M. Babinet, &c.” quoted in Le bon sens de la foi ii. 314.
43 “Eh bien, collègue,” reprit M. Babinet avec son vaste sourire, &c.”
44 Arnold Ruge, Annales de Halle, in Causette ii. 252.
45 2 Tim. iv. 3, 4.
46 S. John v. 43.
said to the Jews, “and ye believe Me not; another will come in his own name, and him ye will believe.” All their history has verified His words. They rejected the true Christ. Not one false Christ has arisen since, whom, to their own temporal hurt also, they have not received. “It is often and truly said,” writes the rationalist historian of rationalism, 47 “that past ages were preeminently credulous, as compared with our own; yet the difference is not so much in the amount of the credulity, as in the direction which it takes. Men are always prepared to accept on very slight evidence, what they believe to be exceedingly probable.”

It belongs to that activity of mind, with which God endowed us, to long to know the cause of all causes. He has endowed us with the capacity of knowing the Cause of all causes, Himself. Only this is not the province of natural science. Atheistic science will own for itself, that it has nothing to do with the question. “A naturalist,” one says, “can no more imagine the coming into existence of matter, than he can imagine its disappearance, and he therefore looks upon the existing quantity of matter in the universe as a given fact. If any person feels the necessity of conceiving the coming into existence of this matter, as the work of a supernatural creative power, of the creative force of something outside of matter, we have nothing to say against it.—Such a conception of an immaterial force, which at the first creates matter, is an article of faith, which has nothing whatever to do with human science. Where faith commences, science ends.” But then it is no longer as science, that it can call “science and faith” two “arts of the human mind” 48 or allege that faith “has its origin in the poetic imagination.” The question has been very simply summed up. 49 “The physical philosopher has nothing whatever to do with final causes, and will get into inextricable confusion, if he introduces them into his investigations. He has to look in one definite direction, not in any other.—Within the limits of the phenomena and laws of the material world he may speculate and prove; he may trace the operation of the laws of matter through periods of time; he may penetrate into the past, and anticipate the future; he may recount the changes which they have effected upon matter, and the rise, growth, and decay of phenomena; and so in a certain sense he may write the history of the material world, as far as he can; still he will always advance from phenomena, and conclude, upon internal evidence which they supply. He will not come near the questions, what that ultimate element is, which we call matter; how it came to be; whether it can cease to be; whether it ever was not; whether it will ever come to nought; in what its laws really consist; whether they can cease to be; whether they can be suspended; what causation is; what time is; what the relations of time to cause and effect, and a hundred other questions of a similar character.”

The vast and wonderful progress of natural science has tempted it, like so many other conquerors, to over-pass its bounds. It goes beyond its bounds, if it argues against creation, on the ground that the emergence of matter into being is “unthinkable;” 50 in other words, that we, being creatures of very limited faculties, whose highest intelligence is the capacity of conceiving an Intelligence infinitely above our own, cannot think how that Intelligence could act, or how It could effect what we cannot imagine, how It would

47 Lecky i. 88.
48 Haekel’s history of Creation T. i. 8, 9.
49 Lectures and Essays on University Subjects by J. H. Newman, D.D, c. 6. ‘Christianity and Physical Science,’ pp. 228, 229.
effect.

But are then men so sure that they can form any idea of created things which they have every day in their mouths? What a puzzle are time and space, if we think of them in themselves, not of things which take place in them. “I find no difficulty in time or space,” said Charles Lamb,51 “for—I never think about them.” Time to come is a mere creature of the imagination; it is not yet, it may never be: time past has ceased to be. The present has no duration. Both exist only in the soul. Once time was not: there was nothing but God’s ever-present eternity. Once again, we are told, it “shall be no more.”52 But even now, what is it? Time is present, only at this moment; in the next, what is now present, will have ceased to be. Time seems long or short, according to our own feelings. If we are weary, it seems to be long; if happy, short. It is not measured by the motion of the heavenly bodies or any other, but rather itself measures them; nor is it any measure of eternity. But what can we think of that, which has ceased to be in the single moment, in which we think of it? And yet it has such hold of our imagination, that we cannot picture to ourselves its not being.

Again we speak continually of “infinite space,” but we are baffled and cast back upon ourselves, if we think of it: and at last the religious mind takes refuge in the thought, that it is the Presence of the Infinite God, Who is wholly every where, but the whole of Him no where.

Even in mathematics we have things demonstrated to us, which, if we attempt to set our demonstration before our eyes, seem to us absolutely impossible.53

What right then have we to reject anything because it is not “thinkable?”

But is it then more “thinkable,” i. e. can we better picture to ourselves, how a single “cell of protoplasm generated at the bottom of the sea”54 should develop of itself into all this beautiful and boundless variety of intricate forms every where spread before our senses; or how “vitality should be generated out of matter,”55 or how matter should be self-existent, i. e. God; or how that “God-matter, in all eternity divided in thousands of millions of scattered atoms in imaginary spaces, should once have been united by a law of arbitrary cohesion, called chance?”56 Is not chance that God, to escape the acknowledgment of Whose Being the eternity of matter is assumed?

Again the action of the soul upon the body is proscribed, because we know not how matter can act upon spirit. Yet this too does not belong to physical science. Physical science goes out of its domain, if it assumes that “the brain secretes conscience,”57 or that “the will is inherent in the substance of the brain, as the power of contraction is in the muscles;”58 or that “it is the aggregate of the brain and the spinal marrow;” or that “the brain and the soul are identical, and that man is only a living mechanism, issuing from

51 quoted Rambler, T ii. N. S. p. 362.
52 Rev. x. 6. The difficulties as to time are mostly taken from S. Augustine’s Conf. xi. 10-31.
53 As we demonstrate to the eye the asymptote of the hyperbola, it is evident to the senses; as we pursue the demonstration on and on in thought, the continued approximation of the two lines and their never meeting, is unimaginable. I remember in my youth, how to a very clear and powerful mind this fact was of considerable use, on his way back from unbelief.
54 Haeckel i. pp 184, 185.
55 Caussette ii. 357.
56 Ib. 358.
57 Cabanis, in his days of unbelief, ap. Caussette ii. 653.
58 Caussette Ib.
matter by a development inherent in its properties;” or that the inextinguishable I, which survives even when (as in some insane\textsuperscript{59}) it seems to be lost, unchanging even while our physical frame is hourly changing, is but a function of that which has no oneness. “The functions of the brain,” said an eminent naturalist,\textsuperscript{60} “suppose a mutual influence of divisible matter and the indivisible I, which can never be grasped; an impassable hiatus in the system of our ideas, an eternal stumbling-block in all philosophies.” It is, again, indifferent to Theology, what part of our wonderful structure physical science decides to be most essential to life. We do not seem to gain much by being told of “a structureless viscid semifluid matter common both to plants and animals;”\textsuperscript{61} and physicists are not in any way agreed\textsuperscript{62} upon “the protoplasmic theory of life.” But physical science transgresses its bounds, and invades those of Theology, when it supersedes the action of the soul. We are told that, on this theory,\textsuperscript{63} “death is death for ever of body mind and soul, for man as for the rest of the animate creation.” The soul is no subject of physical science. In the flesh we have no conception of spirit, but we may know certainly, what we cannot picture to ourselves. Physical science can know certainly things in its own province, the material. It cannot establish a negative against the soul or against God.

“It is easily said,” writes an eminent natural philosopher,\textsuperscript{64} “A cell consists of little particles, and these we call Plastidules; but Plastidules consist of Carbon, Hydrogen, Oxygen and Nitrogen, and are provided with a soul of their own: this soul is the product or sum of the forces which the chemical atoms possess.” “It is possible,” he adds, “I cannot determine accurately; it is one of the spots which I cannot yet reach. I feel like a seaman who comes upon a shallow, whose extent he cannot survey: yet I must say that, till the properties of Carbon Hydrogen Oxygen and Nitrogen can be made so clear to me, that I can conceive how a soul can result from the sum of them—till this is done, I cannot yet own that we are entitled to introduce into our teaching a Plastidule-soul, or to require of any educated man to acknowledge it in such wise as scientific truth, as to use it as a logical premiss, and ground upon it his aspect of the world.”

\begin{footnotesize}
\textsuperscript{59}“Dr. Browne, who has done more, I am told, than any other of our day for mental disease, tells me, as the result of the experience of above 30 years; ‘my opinion is, that of all mental powers or conditions, the idea of personal identity is but rarely enfeebled, and that it never is extinguished. The Ego and non-Ego may be confused. The Ego however continues to preserve the personality. All the Angels, Devils, Dukes, Lords, Kings, ‘gods many,’ that I have had under my care, remained what they were, before they became Angels, Dukes, &c., in a sense and even nominally. I have seen a man declaring himself the Saviour, or S. Paul, sign himself James Thomson, and attend worship as regularly, as if the notion of Divinity had never entered into his head.’” quoted in Daniel the Prophet pp. 434, 435.
\textsuperscript{60}Cuvier, quoted by Caussette Ib. 654. The passage from Cuvier ends; “Not only do we not understand and never shall understand, how any impressions whatsoever made upon our brain can be perceived by our spirit or produce images therein; but how delicate soever our researches may be, these traces do not exhibit themselves in any way to our eyes, and we are entirely ignorant of their nature.”
\textsuperscript{61}Drysdale, Protoplasmic theory of life p. 18.
\textsuperscript{62}Dr. Drysdale, in his ‘Protoplasmic Theory of life,’ gives and criticises the different theories from 1829 to 1860, and from 1860 onwards.
\textsuperscript{63}Drysdale p. 265.
\textsuperscript{64}Virchow, Freiheit d. Wissenschaft &c. p. 14. Virchow continues, “this we really cannot require; on the contrary, my opinion is, that before we stamp such theses as the expression of science, before we say, ‘This is modern science,’ we must first carry through a whole series of wearisome investigations: we must therefore say to the teachers in schools, ‘Do not teach this.’”
\end{footnotesize}
Chemical philosophers teach us that nothing in our material world perishes. True; but the inference, that it could not be destroyed and therefore must be eternal, does not belong to natural science. We cannot destroy it, but our impotency does not prescribe limits to the Omnipotent, or to His creative or preserving Goodness, or His power to annihilate what He has made.

No result of real science ever contradicted Theology; nor do men of real science. One, praised by a pantheist for “his truly scientific method,” laid down, “The first rule to be observed by the exact sciences is, not to employ themselves about matters which do not fall within the range of their experience, neither affirming nor denying them. But spirit, liberty, God, do not fall under physical observations. How then should the naturalist speak of them? Whether he affirm or deny them, he is equally inconsistent. But if, as a man and not as a naturalist, he speak of these matters, let him remember that second rule of science, not to pronounce a judgement on a matter without thoroughly knowing it.”

Natural science is welcome to its conjectures, so long as it does not lay them as the foundation of unbelief in a province not its own. Never probably was any system built upon so many ‘perhaps’, ‘probably,’ ‘possibly,’ ‘it may be,’ ‘it seems to be,’ ‘most likely,’ ‘it must be,’ it requires but a slight stretch of imagination to conceive, as that mythological account of the origin of all which has life, and, at last of ourselves, which is now being everywhere or widely acknowledged by unscientific minds as if it were axiomatic truth; some of whose adherents claim that it will revolutionise every other science. A physical philosopher says, “I ask of any man truly free, of any unprejudiced man, who has occupied himself ever so little with science, ‘Is it on such foundations that one would rest any general theory in physics or in chemistry?’” From a limited number of interesting facts has been expanded a theory, unsupported by a single fact. We may think that the 20th century will smile at the credulity of the 19th, unless it sorrows at the
boast that “a personal Creator with His alternate interventions in the progressive changes of organic creation, and especially in the production of our species, is—dismissed.” Its transformations, which are confessed, as we should confess a truth of revelation, yet undemonstrated, undemonstrable but not needing demonstration, are, if one attempt to picture them to oneself, more akin to the Arabian imaginations than to the calmness of science. Certainly if Almighty God (I venture to utter the irreverence out of reverence to Himself), had had a genealogy of ours, like that which has been preserved from Adam, but framed on the assumptions of this mythology, and had required us to believe it as matter of faith, such a record would have imposed a trial of faith, greater than the belief of all the mysteries of faith, and a belief in miracles to which we have no parallel.

In these days there is a wide-spread and alas! a growing intolerance of the miraculous. It is thought to be beyond the powers of evidence, that our Lord should have recalled the soul of Lazarus into his body, when it had for four days parted from it. It was a great miracle, which established in the minds of the people that Jesus came from God. It was a great miracle: but it was also a great occasion; the conversion of the world from moral degradation to its God, from darkness to light. Is it less a miracle that a certain number of ape-mothers. (for there must have been many to propagate the new race) gave birth to intelligent beings? Why? but because it pleases mythology to lay down, that this was the order of nature; which is dispensing with evidence for the supernatural by the assumption that it was natural—A mere begging of the question!

Man, we are told, with all his magnificent intellect, and more magnificent largeness of love, his powers of beholding God through faith, of aspirations towards Him, of copying His Perfections as far as the finite can receive conceptions of the Infinite, has risen by an inclined plane of promotion from his forefather the ape or some other collateral ancestor among the vertebrate animals, through which man-like apes, long since extinct, became ape-like men who have left no trace, for they lived, we are told, so long ago, “beyond a doubt more than 20,000, or also probably more than 100,000 years, perhaps many hundred thousands of years.” A transformation from the irrational to the rational, from a thing loathsome through its habits to a being made in the Image of God; a transformation which may have taken place (to take the lowest number,) 20,000 years ago, but of which there is no evidence, not a trace, is not a subject of “science” which professes to be “exact.” Yet the animal descent of the human race is said to be “a necessary and unavoidable inference from the theory of Descent.”

But this is only the beginning of its aggressions, The theory of our ape-ancestry chose as its sequel, that man was born in the most degraded state, of which we have any

---

72 C. Vogt in Caussette ii. 520.
73 See note A at the end.
74 Haeckel, ii. 277.
75 Haeckel, ii. 297, 298.
76 Ib. i. 6. Haeckel says, “Darwin himself did not express at first this most important of all the inferences from his theory. In his work, ‘On the Origin of Species’ not a word is found about the animal descent of man. ... It was not till twelve years later, in his work on ‘The Descent of Man, and Selection in Relation to Sex,’ that Darwin openly acknowledged that far-reaching conclusion, and expressly declared his entire agreement with those naturalists who had, in the meantime, themselves formed that conclusion.”
77 Apart from this ape-theory, Mr. J. S. Mill so held the original (it is a contradiction to call it) debased state, in which man came into being, to be unquestioned truth, that it was to him a primary argument against the benevolence of our Creator, which he thought could only be explained by His lack of power. The Kantian philosophy, true to man’s nature even when it had separated itself from Christianty, sounded
living type, and rose of himself to the greatest height to which God had restored him, developing for himself religion and morals. Why? They did not mean to contradict Holy Scripture. They forgot it, or ignored it as an antiquated Eastern imagination, superseded by the advances of natural science. Probably it did not occur to them, that they were tacitly ignoring that enquiry, which was the crux of ancient philosophic thought, ‘Whence is evil?’ and tacitly solved it by answering that it was our apelike propensity, derived to us by “the law of inheritance.”

This inference is arbitrary, whilst it contradicts at once revealed truth, and, I believe, the history of mankind. It is the centre of our Christian hope, that Almighty God, in His love, made us for His love in His own image and likeness, but that He so prized the free love of His creature man, that He left him free, even though he should choose amiss; and when he had chosen amiss, restored him, if he would. The separation, if man persevered in it, involved (as we see) any amount of degradation. You will remember S. Paul’s terrible picture of those who “willed not to retain God in their knowledge.” It is a matter of faith, that God made man perfect “in His own image and likeness;” but it lies also in our inmost consciousness, that degradation is not our nature, but our sin.

If it had pleased God in His Omnipotence, that in those thousands of years ago, an intelligent being should be born of an unintelligent animal, it would have been a surpassing miracle, such as He has not proposed to our faith. It would have been a miracle, akin to the transformations imagined by the heathen poet. But having assumed thus much, it is arbitrary to limit the change. If Almighty God had infused into this ape-like creature, the power of giving birth to an intelligent being, on what principle should we have to believe that He limited the gift? The traditions of mankind as to the golden age agree at least so far with the belief in Holy Scripture, that God created man upright and good, not with the later imagination of the Epicurean poet, that man crept out of the ground, “mutum et turpe pecus.” Degradation is alas! more natural than moral elevation.

“We see it, alas, in the midst of our boasted civilisation in our crowded cities. The greater the civilisation, the greater, often, the degradation. The most civilised times of Babylon, Persia, Greece, Home, were their most degraded. (One might add Nineveh, if its records have been deciphered aight.) If one had to choose one’s lot in the midst of degraded humanity, it would be among the Papuans, rather than in the Babylon of old. The terrible picture of S. Paul is but a faint outline of civilised degradation, such as contemporary history records of the civilisation of heathenism. Even in the last century, the Protestant French historian exclaims, “It is a cruel miscalculation to have dreamed of the happiness of humanity, and to wake, to find it plunged in blood and tears. But to have dreamed of his virtues and innocence, and fall of a sudden into the evil of unbridled passion, the miscalculation is more cruel still. Our fathers of 1789 were condemned to pass from the perspectives of paradise to scenes of hell. God keep us from forgetting it!”

Degradation is everywhere. “Facilis descensus Averni.” The way upwards is hard and, for man alone, impossible. “Man, being in honour and having no understanding, is like the beasts which perish.” Had man been born in the degraded state, in which men

the first recall to the Gospel to many in Germany, by appealing to the inexorable law, “Thou must.” Mill’s statement is given below, note B. at the end.

78 Rom. i. 28.
80 Ps. xlix. 20.
now picture primeval man, such he would have remained. There is, I believe, in the
history of the world no instance of mankind rising unaided.

Its next invasion is of religion and morals. Not to speak of imaginary self-formed
religions, if the moral law, instead of being written by the Spirit of God upon our hearts is
to be the slow development of an animal, not we as Christians, but the wiser heathen,
who knew of those unwritten and eternal laws,\textsuperscript{81} would revolt against it. It is to be a
development of the struggle for existence, in which the stronger ever extirpated the
weaker, that each was to learn to reverence the other as himself or more than himself,
each to love the other, each to be true to the other. “The hiatus” (it has been well said),
“cannot be bridged over by any conceivable process of evolution, unless it be evolution
by antagonism.”\textsuperscript{82}

You would be almost startled, were I to ask you, ‘Can there be an effect without a
cause?’ You would, of course, answer me, No. Then, I ask, ‘Whence is this power  of
conceiving absolute Goodness, without beginning, without end, limitless, measureless,
all-embracing, the End, Rule, Archetype of all holiness? or of imagining Wisdom,
encircling all eternity, receiving into Itself all immensity, drawing to Itself all infinity; the
original Impress of all things; in which ignorance can have no place; knowing all things,
the present, past, future, the possible, the imaginable, the things which are, the things
which are not but could be, pervading all things, but not mixed with any, ever abiding in
Its own Beauty, Brilliancy, and Incorruption; the Essential Source of all beauty and
purity; Holy in Itself of Its own Essence by a true self-dependent Holiness?” These
conceptions are not the soul’s inheritance from any ape-like ancestors, nor are they any
natural insensible variations from them. Yet these, we are told, are the two laws of our
descent.

The brute-creation, most familiar with man, learn from him something of right
and wrong. Whence did man learn it? We know that we have our sense of right, not from
any agreement among our kind, not from utility, but because it is written on the heart of
every individual, from which it has not been effaced. Whence did Regulus learn his self-
sacrificing truthfulness, or Scipio his self-denying purity? I might ask, thus far, Whence
had the tent-maker that zeal, whereby he sped from East to West and endured those daily
deaths, for the well-being of his fellow-men? Whence had he that love for his unseen
Lord, whereby he counted all things loss, so that he might win Christ? Whence—one may
dare to utter blasphemy to save others from conscious blasphemy,—Whence were the
Soul and Mind of Christ? Were these too derived from the pithecoids?

Yes, this is the central evil, that to so many physical philosophers of the present
day it may be said, as the Baptist said to the Jews, “There standeth One among you,
Whom ye know not;” as they themselves said afterwards, “As for this Man, we know not
whence He is.”\textsuperscript{83} Predicted of beforehand by a long chain of prophets, as One Who

\textsuperscript{81} Sophocles presupposes that they would be recognised by his Athenian audience, in his magnificent
appeal of Antigone, “I deemed not that thy proclamations should have such force, that thou, a mortal,
shouldest be able to overrule the unwritten and sure laws (αγραπτα νοµιµα) of the gods. For not now or
yesterday, but ever do they live, and no one knows whence they dawned.” (Antig. 452-456.) Demosthenes
also presupposes that his hearers would go along with him. “All these things will appear to be so, not only
in the laws, but nature herself has defined them by the unwritten laws (τοις αγραφοις νοµοις), and by the
manners of mankind.” (de Cor. Opp. 183, i. 4. Dind.)

\textsuperscript{82} Nineteenth Century, Sept. 1878 p. 455.

\textsuperscript{83} S. John ix. 29.
should come to save our human race, believed in, hoped in, before He came; proclaimed as the “Mighty God, the Prince of peace, of the increase of Whose government and peace there shall be no end,” but as “the Man of sorrows, and the friend of grief,” He came to suffer here and be crucified; to reign after death. Cradled in a manger, not having where to lay His Head, followed by an unlettered multitude, despised by the wise of His people; He was mocked, scourged, crucified, and reigned.

His Death was the dawn of His reign. The bloodstained Eobber who died the same death as Himself, was the last conquest of His life; the centurion at the foot of His Cross was the first victory of His Death. A few days more and His enemies upbraided His disciples, “Ye have filled Jerusalem with your doctrine.”

Human empires grow, swell, vanish: the more they swell, the sooner they vanish. Jesus said, “If I be lifted up from the earth, I shall draw all men unto Me,” and the gibbet of slaves, the execration of the world, became the sceptre of His power. His empire reaches from East to West, from pole to pole; by the foolishness of the Cross He has taken captive human intellect as well as human weakness. His reign is not measured by the hundreds of millions who bear His Name, but by the units in those hundreds of millions, who, one by one, love Him with an absorbing, self-sacrificing love. For He reigns by a mightier power than Wisdom or Strength, by His indivisible individual Love. The African savage melts at the sight of the symbol of His Passion. He reigns, not by that Infinite love alone, which He shewed 1800 years ago on Calvary; but by that individual love, wherewith He loves every human heart which He has made. “The Voice of Jesus” still “sounds o’er land and sea,” and in the depth of the aching heart, He still speaks aloud from His Throne in glory, “Come unto Me, all ye that are weary and heavy laden, and I will give you rest,” and to those, who, after their wanderings, come to Him, He gives it. His Cross is still the magnet of His love. “We love Him, because He first loved us.”

Nothing is too degraded, nothing too sunk in the mire of sin, which His Divine Wisdom will not seek out diligently until He find it, and finding, He rejoiceth. The reality of the elevation of our degraded humanity is at once an evidence of its Divine Original; of His Divine power, Who can raise it; of His Divine Love Who loves it. The resurrection of each single soul is a greater miracle than the resurrection of Lazarus. True, that as was foretold of Him, He still “reigns in the midst of His enemies:” but He still loves His enemies: He loves those who hate Him; He still intercedes for them: He still longs that they should love Him: He will still win them to His love, if they leave any avenue of their heart, where He can enter in; if they shut Him not out to the last. Whether you yet love Him, or whether any of you has, alas! ceased to love Him, or whether your love has been chilled in the midst of the eagerness of an intellectual feverishness, He still loves you with that Infinite Love, which He Himself Is. Yield thyself to His love, and no perplexities of intellect will ever overpower thee; for “the heart has its own

---

84 Isa. ix. 6.  
85 Ib. liii. 3.  
86 Acts v. 28.  
87 S. John xii. 32.  
88 S. Matt. xi. 28.  
89 1 S. John iv. 19.  
90 Ps. cx. 1.
Un-Science, not Science, Adverse to Faith, by E.B. Pusey (1878)

convictions,"\(^{91}\) which are immoveable because they are from God. “I know in Whom I have believed,”\(^{92}\) said one, who knew what it was to love Jesus, whom Jesus had won by His love to His love: “I am persuaded, that neither death, nor life, nor angels, nor principalities, nor powers, nor things present, nor things to come, nor height, nor depth, nor any other creature, shall be able to separate us from the love of God, which is in Christ Jesus our Lord.”\(^{93}\)

NOTE A.

Haeckel’s pedigree runs thus;

1) Inorganic combinations of carbon oxygen hydrogen nitrogen spontaneously generated living creatures, ‘organisms without organs,’ i. e., simple homogeneous, structureless, formless, little lumps of albuminous matter, like the still living Protamœba primitiva; “of which large numbers still exist.” [The existence of these is, I believe, given up.] Haeckel himself declares The assumption of this stage is necessary for most important ‘general reasons’ [ii. pp. 278, 279.] The ‘general reasons’ being the exclusion of a Creator.

2) These generated “Amœbæ” or “single-celled organisms;”
3) The “Amœbæ” generated “Synamœbæ” or community of Amœbæ;
4) The “Synamœbæ” generated the “Ciliated larvae” [this stage we are told, has been lost, but’ must have existed’];
5) The “Ciliated larvae” generated “Gastrœada or primeval stomach-animals” [which we are told again ‘must have existed’ and ‘must also have included the ancestors of man’];
6) The “Gastrœada” generated “low worms, closely allied to the Gliding-worms;”
7) The “Gliding-worms” generated, ‘at least one connecting intermediate stage, in the wide gap between the ‘Gliding worms” and the Tunicata, which we may comprise as “Soft-worms;” ‘[of which no fossil remains exist, owing to the soft nature of their bodies’];
8) “The Soft-worms” generated the “Sack-worms;”
9) The “Sack-worms” generated the “Skull-less animals” [of which the Amphioxus is the nearest representative] who is, we are told, ‘flesh of our flesh and blood of our blood’ [Haeckel Anthropogenic p. 337] ‘who is also, next to man, the most interesting of all the vertebrate animals;’ [Ib. pp. 176, 298.] ‘who is to be contemplated with especial reverence as that worthy beast which, among all living beasts, can alone give us an approximate idea of our eldest Silurian vertebrate ancestors’ [Haeckel, quoted by Reusch p. 420 ]; ‘unfortunately’ however ‘they could leave no fossil remains, on account of the absence of any solid skeleton’ [Haeckel Hist. of creation ii. 199];
10) “The Skull-less animals” generated “the single-nostriled animals;”
11) “The single-nostriled animals” generated “the primœval fish; “
12) “The primœval fish” generated “the mud-fish; “

\(^{91}\) “Le cœur a ses raisons, que la raison ne connoit pas: on le sent en mille manières.” Pascal, Pensées, P. ii. Art. xvii. n. 5.
\(^{92}\) 2 Tim. i. 12.
\(^{93}\) Rom. xiii. 38, 39.
13) “The mud-fish” generated “the gilled amphibians; “
14) “The gilled amphibians” generated “the tailed amphibians;” [They “originated out of the gilled Amphibians by accustoming themselves in early life to breathe only through gills and later in life only through lungs”];
15) The ‘unknown’ “tailed amphibians” generated “primæval amniota” [two stages, whose existence is only proved by their being “necessary intermediate links”];
16) The “primæval amniota” generated the “primary mammals” ‘long since extinct and unknown’ [in whom we are told ‘we find ourselves more at home with our ancestors’];
17) The “primary mammals” generated “the marsupials;”
18) “The marsupials” generated “the Semi-apes;”
19) The “Semi-apes” generated “the narrow-nosed tailed apes;” [‘closely related by blood to man’] ‘probably as early as the older Tertiary period;’
20) “The narrow-nosed tailed Apes” generated “the man-like apes,” anthropoïdes, as now existing [of whom however ‘there do not exist direct human ancestors, but they certainly existed among the unknown extinct Human Apes of the Miocene period’];
21) “The man-like apes” generated “the ape-like speechless men” [‘whose existence is arrived at by an enquiring mind from comparative philology, or the history of the development of language in every child and in every nation’];

Mr. Darwin, in his Descent of man, expresses his admiration of the ingenuity shewn in Haeckel’s genealogy, but says, on the authority of “a most capable judge,” that “no true bird or reptile intervened in the direct line of descent;” he recognizes however,

I.) ancestors as simply or even still more simply organs than the lancelet or amphioxus; “sonic amphibian-like creature, and this again from some fish-like animal, more like the existing marine Ascidians than any other known form” (p. 609); and [nearer to man],

II.) 1 Monotremata, 2 Marsupials, 3 Lemuriæ, 4 Simiæ, 5 Catarrhine monkeys. The conclusion, he thinks, may revolt our pride; but we must conclude that our early progenitors would have been properly thus designated. “But,” he adds, “we must not fall into the error of supposing that the early progenitors of the whole simian stock, including man, was identical with or even closely resembled any existing ape or monkey.” [Descent of man, p. 155.] But if they did not resemble any existing ape or monkey, on what ground is it assumed that they were apes or monkeys at all?

Rolle, his translator, recognized the genealogy as far back as fishes and reptiles. [Der Mensch, seine Abstammung &c. p. 108.]

De Quatrefages objects to the ape-ancestry of man on Darwinian principles:

‘In Darwin’s theory, transformations do not take place by chance or any how—An organism, once modified in a certain way, may undergo secondary tertiary &c. transformations, but it will still always retain the impress of the original type.—Consequently, two creatures, belonging to two distinct types, may go back to a common ancestor, which was not yet distinctly characterised, but they cannot descend, the one from the other. But man and the apes in general present a very marked contrast of type.

‘Their organs, as we have already said, correspond almost exactly with each

94 ‘Our most ancient ancestors of the class of amphibia.’ Haeckel ii. p. 288.
other. But these organs are disposed on a very different plan. In man, they are co-
ordinated in such wise that he is of necessity, a walker: in the monkeys, in such wise, that
they are, not less imperiously, climbers.

‘This is an anatomical and mechanical distinction already established as to the
inferior apes by the labours of Yicq-d’Azur, Lawrence, Serres &c. The studies of
Duvernoy on the Gorilla, of Gratiolet and of M. Alix on the Chimpanzee, have put
beyond question, that all anthropomorphous apes exhibited in all points the same
fundamental character.

‘It is enough to cast an eye at the drawing, where Huxley has placed side by side a
human skeleton and the skeletons of the highest apes, to be convinced that this is indeed
so.

‘The result of these facts, in view of the logical application of the law of
permanent characterisation, is, that man cannot descend from an ancestor already
characterised as an ape, whether a catarrhine without a tail or a catarrhine with a tail. A
walking animal cannot descend from a climbing animal. Vogt understood this very well.
Though placing man in the number of the primates, he hesitates not to declare that the
lower apes have passed the jalon (common ancestry), from which the various types of
this family have diverged.

‘The origin of man must then be thrown back beyond the last ape, if one of the
laws, most imperiously requisite for the doctrinal edifice of Darwinism, is to be
maintained. One comes thus to Haeckel’s prosimians, the loris indris &c.

‘But these animals are also climbers. We must then seek still further for our first
direct ancestor. But for that, the genealogy traced by Haeckel gives us the marsupials.

‘The Kangaroo, it will be owned, is a good way off from man. But neither living
nature nor the fossil-remains of extinct animals present the intermediate types which
ought at least to connect them.

‘This difficulty did not trouble Darwin; we know that he meets it by saying that
the absence of information on the like questions is a proof in his favour: Haeckel without
doubt will be as little embarrassed. “We have seen him admit an equally theoretical
‘pithecoid man’ and this is not the only time that he uses this process in framing his
genealogical table. Amongst others he says of the Sozures (14th stage), ‘amphibians,’
equally unknown to science: “The proof of their existence lies in the necessity for this
intermediate link between the 13th and 15th stage.”

‘Well! it is now demonstrated, on the part of Darwinism itself, the ancestry of
man must be sent back beyond the 18th stage. As it consequently becomes necessary to
fill up the gap from the marsupials to man, will Haeckel admit four unknown
intermediate groups instead of one? “Will he thus complete his genealogy? It is not for
me to say” [De Quatrefages, pp. 78, 79.]

Subordinate mythological changes presupposed by the Darwinian theory,
inherited from Lamarck, have been thrown into the shade by the gigantic transformations
which Darwin also inherited from him. They were small in details, but would, I suppose,
defy all anatomy; as that the long neck of the giraffe is owing to the wish of his ancestors
to browse on tall trees; and the long tongues of woodpeckers, humming-birds, and ant-
eaters, to their getting their food out of narrow deep crevices, or the webbed feet of
aquatic animals, out of their wish to swim, or a fish became a bird, because it was out of
its natural element, and wishing to fly, its fins became wings; or, we are told, that “it is
conceivable that flying fish might have been modified into perfectly winged animals” (Darwin’s ‘Origin of Species’ p. 140 ed. 6) or that the wonderful and intricate structure of the eye and ear came into being at the wish of the animals which needed it.

To speak gravely of the formation of the eye only, Reusch says (Bibel und Natur, p. 386.) “The discussion of this point is one of the best parts in Frohschammer’s criticism on Darwinism. He says very aptly, ‘So therefore out of imperfect eyes without crystal lenses and all besides, eyes with crystal lenses and horny surface are to be formed by natural selection. That could only happen, either if, in that most imperfect eye, this perfect one were already laid as in a seed, which only needs development; but this would imply an inner principle of development, and the external principle of development by natural selection, assumed by Darwin, would be superfluous, or at least, no longer the primary and only principle; or, if the capacity for further improvement or for adding to the crystal lens did not yet exist in that most imperfect eye, then its formation even in its very earliest beginnings could only have been either through generatio æquivoca, or through accident, or through a distinctly divine creative agency. As Darwin accepts nothing of all this, the matter remains unexplained; i.e. the possibility of the transformation is not shewn, and the difficulty is not therefore solved. Darwin indeed likens the perfect eye to the telescope, and the action of “natural selection” in relation to the perfecting of the eye, to the exertions of human intelligence in the improvement and perfecting of the telescope. But this is certainly wrong; for unconscious nature can no more imitate or exercise the activity of the optician carried on upon a definite plan, than it can imitate or replace the activity of the artist, e.g. of the painter or the clockmaker. The material requirements for works of art certainly all exist in nature; but nevertheless, no one could say, that nature is able of itself to produce a painting or a clock. Darwin on this point falls into a formal Personification of natural selection, in order to keep up his limping explanation of the origin of the perfected eye. Natural selection is to ‘observe minutely,’ and ‘select carefully,’ and ‘with unerring tact discover each improvement for further perfecting.’ Were that to be understood literally, Darwin would himself thereby introduce into nature a power acting according to design, which would make all his other attempts at explanation superfluous. But any how, according to Darwin’s intention, it is only to be understood figuratively, and then such expressions are perfectly inadmissible. “Natural selection,” as the complex of merely operating causes, cannot observe, select, and proceed on a definite plan, but must take every thing as it comes, and can only use and retain favourable circumstances or alterations; or more justly expressed, these changes when they once exist, maintain themselves, because they exist. Natural selection therefore cannot strive for more perfect eyes, but can only preserve them, and use them, when they exist and therefore have in some way originated. Darwin himself acknowledges, “If it could be demonstrated that any complex organ existed which could not possibly have been formed by numerous successive slight modifications, my theory would absolutely break down.” [Origin of Species, p. 146. ed. 6.] The most perfect eyes cannot be explained by numerous slight successive modifications: for they are distinguished from the imperfect eyes by substantially new parts which cannot issue in continual development out of the former, unless they are already laid up in them from the beginning on a regular plan; in which case they could only have arisen through a sudden spring, and so through an incomprehensible, mysterious occurrence, not through natural selection. [Das Christenthum p. 517.] Reusch
also quotes Pfaff, Die neuesten Forschungen, p. 102. See also St. George Mivart, on the genesis of species, pp. 57-61.

NOTE B.

Mr. Mill’s picture is this, “If the motive of the Deity for creating sentient beings was the happiness of the beings He created, His purpose, in our corner of the universe at least, must be pronounced, taking past ages and all countries and races into account, to have been thus far an ignominious failure; and if God had no purpose but our happiness and that of other creatures, it is not credible that He would have called them into existence with the prospect of being so completely baffled. If man had not the power, by the exercise of his own energies for the improvement both of himself and of his outward circumstances, to do for himself and other creatures vastly more than God had in the first instance done, the Being Who called him into existence would deserve something very different from thanks at his hands. Of course it may be said that this very capacity of improving himself and the world was given to him by God, and that the change, which he will be thereby enabled ultimately to effect in human existence, will be worth purchasing by the sufferings and wasted lives of entire geological periods. This may be so; but to suppose that God could have given him these blessings at a less frightful cost, is to make a very strange supposition concerning the Deity. It is to suppose that God could not, in the first instance, create anything better than a Bosjesman or an Andaman islander, or something still lower; and yet was able to endow the Bosjesman or the Andaman islander with the power of raising himself to a Newton or a Fenelon. “We certainly do not know the barriers which limit the divine Omnipotence; but it is a very odd notion of them, that they enable the Deity to confer on an almost bestial creature the power of producing by a succession of efforts what God Himself had no other means of creating.” [Three Essays on Religion: Theism, Attributes, pp. 192, 193; Mr. Mill repeats this in his Essay on Nature, pp. 42, 43.]

Educated as an Atheist and emerging thence to think that it was probable that there was a God of limited power, and, if so, that “there is nothing so inherently impossible or absolutely incredible in this supposition as to preclude any one from hoping that it may perhaps be true, that Jesus, as he openly proclaimed, came from God,” Mr. Mill had no notion that this picture of God’s dealings with man has no other basis than the traditional unbelief of his surroundings. He first ignorantly misrepresents Almighty God, contrary to His own revelation of Himself, and then founds his accusations on these imaginings of his school. As an Atheist, he could, of course, have no idea of sin, or of God’s dealings with a sinful world, or a world, in which His rational creatures would, to such an extent, need corrective discipline; still less, of course, that that discipline would be healing to the soul.
I have been asked, in the name of some young members of the University who heard this sermon, whether I account the animal derivation of the body of man to be a theory contradictory to Revelation, and should, on theological grounds, hold it to be impossible that science could establish it. I would, in answer, recall the distinction between the scientific and what has been called “the mythological” or transformist part of Mr. Darwin’s theory.

The question as to “species,” of what variations the animal world is capable, whether the species be more or fewer, whether accidental variations may become hereditary, whether the “struggle for existence” may have occasioned animals which once existed to disappear, whether e.g. the animals ranged under the tribe of felis or canis were each originally variations of some common progenitor, and the like, naturally fall under the province of science. In all these questions Mr. Darwin’s careful observations gained for him a deserved approbation and confidence.

These questions have no bearing whatever upon Theology. Professor Reusch says, “I should not be at all concerned about Vogt’s statement in 1853 (when he had other views than now), to the effect that he must decline the last results of the Darwinian system, but that, in regard to the more nearly-related types, he could declare himself an adherent of it. With this restriction, I could myself become a Darwinian without ceasing to be a Theologian who believes in the Bible: a relationship of race between more nearly related types of the animal and vegetable kingdom, even when one extends the relationship very far, has theologically nothing which one need apprehend.” [Bibel und Natur, p. 373.]

Unhappily, on his scientific investigations Darwin grafted a theory which belonged to theology, not to natural science. In geological remains, there has been observed a gradation from the more imperfect to the more advanced. This might obviously have been through the continued action of the Creator and, down to Lamarck and Mr. Darwin, was held by scientific men also to have been so. No one doubted it, who believed in creation at all. We were not there, and as we cannot understand why God created at all, so neither can we tell what end He had in creating anything which He did create.

We know that God created orders of beings of immense intelligence, of whose numbers we know nothing. The number of stars, which the increased power of our telescopes have discovered to astronomers, involves a creation of fixed stars or suns, which, Sir J. Herschell told us, “may be really infinite, in the only sense in which we can assign a meaning to the word” (i.e. as to things created). [Outlines of Astronomy, n. 771.] “The united lustre of myriads of stars is perceptible only in powerful telescopes as a feeble nebulous gleam.” The nearest fixed star is, according to the same astronomer, about 20 billions of miles from this earth. [Some extracts, which are in so many books, I have put together in notes on my Sermon on the Ascension, Parochial Sermons, Vol. ii. pp. 222-225.] In this immensity of creation, it seems to me an improbable assumption, that all the creations in this our planet were completed at once. It was chiefly in order to escape the belief that there were successive creations, [or, in our language, a continuous creation] that the theory of evolution was invented. Mr. Darwin urges this in self-defence against critics of his book. “I may be permitted to say, as some excuse, that I had two distinct objects in view; firstly, to shew that species had not been separately created, and
secondly, that natural selection had been the chief agent of change, though largely aided
by the inherited effects of habit, and slightly by the direct action of the surrounding
conditions. I was not, however, able to annul the influence of my former belief, then
almost universal, that each species had been purposely created; and this led to my tacit
assumption, that any detail of structure, excepting rudiments, was of some special, though
unrecognised, service. Any one, with this assumption in his mind, would naturally extend
too far the action of natural selection, either during past or present times. Some of those
who admit the principle of evolution, but reject natural selection, seem to forget, when
criticising my book, that I had the above two objects in view; hence, if I have erred in
giving to natural selection great power, which I am very far from admitting, or in having
exaggerated its power, which is in itself probable, I have at least, as I hope, done good
service in aiding to overthrow the dogma of separate creations.” [Darwin, the Descent of
man, P. 1. c. 2. p. 61.]

It was then so far, with a quasi-Theological, not with a scientific object, that he
wrote his book. He wished “to overthrow the dogma of separate creations.” Why? With
the all-but-infinity of creation, which the telescope unfolds, what are we, that we should
object to any mode of creation, as unbefitting our Creator? A result, which is arrived at
under a bias, lies under a suspicion as to its validity. People catch at what seems to them
evidence, on what seems to them previous probability. Tie reproach is east upon
Theologians; it is not likely to belong to them alone. To myself, when Mr. Darwin’s book
first appeared, it seemed (as I designated it) “a transparent paralogism of ‘non causa pro
causa.”’ [Univ. Sermons, 1859-1872. p. 42.] I do not myself believe that it can become
scientific truth; for the period, to which it relates, is so remote as to exclude the
knowledge of facts which would determine it. Even granted, that intermediate types (the
absence of which is so strongly urged against Mr. Darwin’s theory, a lacuna which he
himself in a degree feels, although he ascribes it to the imperfections of our geological
records)—even granted that intermediate types had existed, the question, whether the one
creature were the offspring of the other, or whether each was directly created by God, is
one which there would be no evidence to determine. There is absolutely no evidence
now, that there ever were such transformations, as that “marsupials generated semi-apes.”
For thousands of years (or tens of thousands according to these theorists) there is no trace
of any such change. The only presumption that it ever was, the only evidence which
science would admit in any other case, would be, its taking place now, when science
could examine the evidence for the alleged facts. Nature remains the same; its laws are
the same. Why, if they were not regulated by the will of its Creator, was it once so
prolific in forming new classes of animals, and now is still?

Haeckelians have felt this difficulty as to the production of the first matter, out of
which the successive developments, they think, may have arisen. In so many words,
they say, in fact, “we do not know.”

“At the present time,” says Burmeister, “when every where there are creatures
enough capable of reproduction, there is in truth no need for the formation of any new
creation out of aboriginal matter. Also, perhaps, there is lacking the material basis for it,
whence they could be formed, since most by far of the organic substance of the present is
to be found already in living organisms, and there appears to be no store, whence new
individuals could originate, in any other way than through generation. But in the
aboriginal time of organisation, all this was different, and therefore also the course of
formation was different.” [Gesch. d. Schopfung, p. 287, in Reusch, p. 340.]

Haeckel argues from our ignorance, ‘How can we know that in remote primæval times there did not exist conditions quite different from those at present obtaining, and which may have rendered1 spontaneous generation possible? . . . . At the time when, after the origin of water in a liquid state on the cooled crust of the earth, organisms were first formed by spontaneous generation, those innumerable quantities of Carbon existed in a totally different form, probably for the most part dispersed in the atmosphere in the shape of carbonic acid. The whole composition of the atmosphere was therefore extremely different from the present. Further, as may be inferred upon chemical, physical, and geological grounds, the density and the electrical conditions of the atmosphere were quite different. In like manner the chemical and physical nature of the primæval ocean, which then continuously covered the whole surface of the earth as an uninterrupted watery sheet, was quite peculiar. The temperature, the density, the amount of salt &c., must have been very different from those of the present ocean. In any case therefore, even if we do not know anything more about it, there remains to us the supposition, which can at least not be disputed, that, at that time, under conditions quite different from those of to-day, a spontaneous generation, which now is perhaps no longer possible, may have perhaps taken place.’ [Hist. of creation, T. i. pp. 341, 342.]

Granted that the possibility may not be disputable, an undisputed possibility is not a substitute for certain facts in an exact science. Granting (for the moment) the possibility that ‘a marsupial may generate an ape,’ this does not establish, as a matter of exact science, that it ever did; and the absence of any like transformation in any historical period, at least establishes a probability against such changes altogether. Any how they are no matter of ‘science,’ i.e. certain knowledge founded on certain facts.

The transformation-theory of Darwin is quite apart from the “survival of the strongest in the battle for life.” This struggle would be between animals of the same general habits of life. It is in keeping, that rats, leeches, cock-roaches, bees, swallows, thrushes, should have supplanted others of their own kind. [Darwin’s Origin &c. p. 59. ed. 6.] But our supposed progenitors survive still. Kangaroos and apes still exist. The transformation-theory was a special object of Darwin’s interest, he tells us, because it dispensed with the intervention of a personal Creator. Darwin’s German translator noted the inconsistency of assuming for once a First Cause, and then denying His interference ever after. “A personal act of creation is still required for Darwin’s first organic being, and if it is requisite once, then it appears to us an utter matter of indifference, whether the first act of creation occupied itself with one or with ten or with a hundred thousand species.” [Bronn, p. 516, quoted by Reusch, p. 351.]

Darwinism was acceptable to German atheists, because, with that one exception, it removed God out of sight. “As I observed before,” says C. Vogt, “this Creator, who from time to time changed the furnishing of his earth, and created a new one after he had annihilated the old, would never get into my head.—It is not strange, that the view of Darwin met with the most vehement contradiction.—Its consequences are unquestionably frightful for a certain direction of mind. There is no question that Darwin’s theory, without any ceremony, turns out of doors a Personal Creator and his interferences in the change of the creation, and the creation of species, in that it does not leave the very least room for the working of such a being.” [Vorlesungen, ii. pp. 259, 260.] A graver writer says, “This is the great attractiveness of this theory. It points out to materialism a
possibility of referring the origin and continued existence of all living beings to an 
accidental coincidence of external physical and chemical processes. Darwin has brought 
the goal, at which Materialism drives with all its might, so invitingly near.” Pfaff, die 
neuesten Forschungen, p. 107. Rolle says, “After the advance of science had long stood 
in awe before this last bulwark of the theory of creation, it was reserved to Darwin &c.” 
[Der Mensch, &c. p. 64.]

It is, of course, an invasion of a foreign province, when Darwinism speculates 
upon man’s development of religions and morals. For physical science has obviously 
nothing to do with either. It is a strange petitio principii to assume, that man must have 
come into the world in the lowest intellectual and moral condition, in which he can exist, 
and not cease to be man. It is no honour to the philosophic character of the Nineteenth 
century, that it can assume this primæval condition of man, as an unquestionable fact. It 
may be natural for one born of a pithecoid, as far as one speaks of what would be natural 
to a creature, which is itself a myth. But such assumptions are not the bases of solid 
science.

Darwinism, then, is in an inconsistent position. It is not Atheistic in itself; it 
cannot be so, except by the further assumption of the eternity of matter and spontaneous 
generation. But it is inconsistent, in its belief in a Creator Who is to be eliminated from 
all interference with the works which He has made. This inconsistency is aggravated by 
the assumption of almost boundless time, with which the mind can as little “grapple, as 
with the idea of eternity.” [Origin of Species, p. 269 ed. 6.]

A First Cause, which is introduced as a ‘Deus ex machinâ,’ to save us from the 
conception of the eternity of matter, but who, after the creation, looked on unconcerned 
upon the results of his act upon his creatures, would be an Epicurean god, whose being 
would be inconsistent not only with God’s revelation of Himself, but with any 
conceptions of an intelligent Theism.

But this belief Darwin tells us, it was his object to establish. It was the essence of 
Darwinism.

The belief then that an animal, in its physical birth, was endowed by Almighty 
God, not with reason only, but with a soul; that the being so produced had a full power of 
understanding good and evil, and choosing between them: that Almighty God placed 
before the creature, thus made, the choice, and that it deliberately chose to disobey its 
God; this would be completely at variance with the first principles of Darwinism. To 
what end to theorise about gradual development, the only interest of which is to exclude 
a Creator, if it is to end in such an abrupt conclusion as this?

My answer then to my young friends is this;

It lies as the basis of our faith, that man was created in the perfection of our 
nature, endowed with supernatural grace, with a full freedom of choice, such as man, 
until restored by Christ, has not had since. If science could prove, that our race was born 
of an ape-mother, one should he forced to the belief, that God took away at once all the 
propensities which it had by the ‘law of inheritance,’ and gave it a soul, made in His own 
likeness. But since all science must rest on a basis of certain ascertained facts, and the 
question as to the ‘mythological’ part of Darwinism relates altogether not to facts, but to 
the mode of the production of creatures so many thousands of years ago, of which mode 
of production, there is absolutely no record; since, moreover, there can be, in the future, 
no such facts, unless hereafter Almighty God should endow an animal with a power of
production of such sort as Mr. Darwin assumes, that ‘mythological’ part of Darwinism, not resting on certain facts, cannot become matter of science, and we need not entertain the question, whether theology would repudiate it, if it were science; since (so long as it shall exist) it must continue to be only a theory held, or not denied, by some scientific men, and cannot become a science.

A thoughtful writer says, “The condemnation of Darwinism is not its framing hypotheses, but that these hypotheses are bad. No science can do without hypotheses. Good hypotheses can clearly be of great use to any science, but hypotheses are only admissible to explain established facts. Hypotheses are inadmissible, which not only require for their support the assumption of new hypotheses, but also require facts which are altogether unproven. But the Darwinian doctrine eminently requires such assumptions, and therefore it is scientifically a bad and inadmissible theory.” [I. B. Meyer, Philos. Zeitfragen, p. 103. quoted by Reusch, p. 383.]