## Mar. 10, 1888

88

Were re mo that we owe the reformation of the calendar and the computa-oduce thens which determine with nice accuracy the length of the Il ner volar year. Galileo, Kepler, and Secchi, Sir Isaac Newton, and e oth Lord Bacon, Leibnitz, Lavoisier, Euler, Cuvier, and Descartes, wed recognized as leaders in the field of science. They were, moreover, firm believers in revelation, while most of them com-

bined strong religious convictions with scientific erudition. : itse. : of a Till the study of nature they do not fail to record with devout eanse providence of the power and providence of the ection.

e m The first circumnavigation of the globe, the discovery of the g's o American continent, the doubling of the Cape of Good Hope, ch to twell as the most accurate geographical survey of the earth's uster face, are events for which we are indebted to Christian naviuster iggateriation and explorers, all actuated by an indomitable spirit of tion enterprise, and most of them inspired with the higher motive of our call for the propagation of the Gospel. Marco Polo, Columbus, an a Amerigo, Vespucci, Magellan, and Vasco da Gama, were men ales of strong religious faith, who embarked on their perilous

seds warages with the benediction of the Church upon them. who Our own country is largely indebted to Catholic priests, who ons we the pioneers, not only of religion and civilization, but also leach of treience. In one hand they bore the torch of faith, and in Kox the other the torch of religion. They not only carried the Sity. Geopel to the aboriginal tribes of North America, but they englored our rivers, lakes, and mountains; and the charts that they sent to Europe over two hundred years ago are still

admired as models of topographical accuracy.

With these facts before us it is difficult to suppress a feeling opendignation when we are told that Christianity is a bar to continue to the state of the state

or it to the Christian religion that they are able to revile her. Separate them from the universities and schools founded by ad. Chistian patronage; withdraw them from Christian traditions the and literature, and they would die of intellectual stagnation.

<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>137</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of art in which the disciples of Christi-<sup>1350</sup> There is no branch of the disciple o \* son of the Church ? And who surpassed him in sculpture and all are indebted for St. Peter's Basilica, <sup>cd</sup> the grandest church ever erected to God by the hand of man.

"Power, glory, strength, and beauty—all are aisled In this eternal ark of worship undefiled." Tre And were not Raphael and Domenichino, Fra Angelico and

d Leonardo da Vinci members of the Church? And are they noighte recognized masters in the exquisite art of painting? en Momert and Haydn, Beethoven and Palestrina were Christian Simen, and were patronized by Popes and Bishops. And are is they not acknowledged leaders in the rich and harmonious vostrains of music? Their Masses are as unrivalled in musical tromposition as our cathedrals are in architecture.

te the doctrines of Christian faith is clearly accounted for in the "following decree of the Vatican Council : "There never can abe any real discrepancy between reason and faith, since the tisame God who reveals mysteries has bestowed the light of reason zon the human mind ; and God cannot deny himself, nor can btruth ever contradict truth. The false appearance of such a pcontradiction is mainly due either to the dogmas of faith not dharing been clearly understood and expounded according to the mind of the Church, or to the inventions of opinion having goed taken for the verdict of reason."

ation has no foundation on which to rest.

recting ation has no foundation on which to rest. is often erroneously assumed that the Scriptures pro-bounded doctrines which they never professed to teach. The stand volume was not intended by its divine Author to give scientific treatise on astronomy, or cosmogony, or geology, the a complete series of chronology or genealogy. These Fren a complete series of chronology or genealogy. These are incidentally introduced to illustrate a higher sub-

The purpose of the Scriptures is to recount God's superal relations with mankind, His providential government e world, and man's moral obligations to his Creator.

hen, for instance, the sacred text declares that the sun still in the heavens, it simply gives expression to the culous prolongation of the day; and this in popular lane such as even now, with our improved knowledge of asbmy, we employ, for we speak of the rising and the setting

of the sun as if, according to the Ptolemaic system, we still believed that he revolves around the earth. The Church has no mission to teach astronomy. One may be as bad an astonomer as John Jasper and yet be a good Christian.

Again, the results of geological investigation, by which it is ascertained that ages must have elapsed between the formation of matter and the creation of man, would seem to conflict with the book of Genesis, which states that all vegetable and animal life was created within the space of six days. But the Church, as is well known, has never defined the meaning to be attached to these days of Genesis. We are at liberty, so far as the Church is concerned, and if the deductions of science are incontrovertible, we are compelled to ascribe an indefinite period of years to each day. The context itself insinuates that the day cannot be restricted to twenty-four hours, since for the first three days there was no sun to measure their duration; and in the second chapter of Genesis the word day is manifestly used to express an indefinite period of time employed in the creation of the material universe.

The Mosaic narrative stmply records the creation of matter ont of nothing, and the order in which life, both animal and human, came into existence. The chronological order of Moses is borne out by the researches of geologists, who have discovered that vegetable fossils are anterior to animal remains, and that those of the lower animals are more ancient than any human skeletons ever found. Our knowledge, moreover, of the laws governing the vegetable and animal kingdoms confirms this arrangement, since vegetable life derives its subsistence from inorganic matter, animal life is nourished by the vegetable kingdom, and man himself is sustained by the nutriment he derives from both.

The discovery of human fossils, and of other geological and historical monuments is sometimes boldly assumed to stamp the human family with a far greater antiquity than appears to be warranted by Scripture genealogies. To this I reply that the Scripture gives no precise date regarding the time inter-vening between Adam and our Lord. We have only conject-ures resting on genealogies. The enumeration of Adam's lineal descendants is not claimed to be consecutive and complete. It is not denied that links may be missing in the chain of generation. There is also a marked discrepancy between the different versions of the Bible in computing the age of man. The Vulgate reckons four thousand years ; the Septuagint, five thousand, and the Hebrew, six thousand years from Adam to our Saviour. Some Catholic writers, without any reproof from the Church, are disposed to extend the period to r eight thousand years.

"Nothing is more strange," observes a recent writer, "than the incessant reproduction of old thoughts under the guise of new and advanced opinions. It would seem as if the human mind, with all its restless activity, were destined to revolve in an endless circle. . . Professor Tyndall addressing the world from the throne of modern science, repeats the thoughts of Democritus and Epicurus as the last guesses of the scientific mind."

In fact, there is no class of men so dogmatic and so impatient of contradiction as certain modern scientists; and "this dogmatism is the more intolerable, as the so-called demi-nstrations of one age have sometimes been the butt and ridi ule of succeeding generations." Not content with cultivating their own field, they invade the region of theology and politics. They speak as if they had an exclusive diplema to treat of everything in the heaven above, on the earth beneath, and in the waters under the earth ; and from their infallible judgment there must be no appeal.

The position of the Catholic Curch in reference to modern scientists may be thus briefly summarized: The Church fosters and encourages every department of science. But just because she is the friend of true science she is opposed to all false pretentions to science. There is as much difference between true and false science. Yhere is as much dimensional between authority and despotism, liberty and license. When she hears a man advancing some crude theory at variance with the received doctrines of revelations-with the existence of God, for example, or His superintending providence, or His wisdom, or His sanctity; when she hears him advancing some hypothesis opposed to the unity of the human species, to the spirituality and the immortality of the soul, to the future destiny of man, and to those other great doctrines that involve at once the dignity and moral responsibility of the human race, she knows