

Chapter 1 : Books and Films - The Day the Universe Changed

The Day the Universe Changed presents a sweeping view of the history of science, technology, and human civilization and examines the moments in history when a change in knowledge radically altered man's understanding of himself and the world around him.

Wednesday, June 30, Wednesday Book Review: These may be new books, or they may be older ones. Each Wednesday, I will review a book that I personally feel would be worthwhile to testers. A few weeks ago, I reviewed Thomas S. I do not consider readability to be a sin; in fact I consider it to be a very worthwhile goal. Could this book be what I was looking for, i. First, for those not familiar with James Burke, he is a pioneer in the idea of the interconnectedness of thought and development of culture, science and society. Burke shows through ten chapters that the world that we know today has changed many times through the centuries and millennia that have passed before us. There are several areas that are discussed in the book. The Aristotelian and Ptolemaic views of the universe and the nature of the authority of the Roman Catholic church helping to make that universal view so prevalent. The development of measurement and Euclidean geometry, and the development of Algebra in the Middle east and how it came to the fore in Europe through the libraries of Cordova in Spain. The development of large mercantile institutions and families, such as the Medici in Italy and other areas, that required more streamlined methods of accounting. The understanding of geology and fossil records that showed a greater age of the earth than previously considered, and a greater variety of life than was previously considered. How medicine had developed from focusing on the temperament of a patient to the understanding of how microorganisms played into both contagion and the development of immunity. How electricity helped to isolate elements, and how this led to a better understanding of the nature of matter and how it is composed, along with the understanding of positively and negatively charged matter. How the relative position of anything affects its ability to be measured in any meaningful way. Science and technology influence each other over and over, with a change in one often causing major disruption, time and again, to the established order of things, and that disruption leading people to consider new avenues of thinking to address the challenges raised. Burke covers a large period of time in this book, a few thousand years. Some changes appear to happen relatively quickly, while others happen much more slowly, and often for reasons other than scientific inquiry or lack of it politics and religion frequently take center stage, both at times acting as the champion and the hinderer of scientific discovery. Both religion and politics take a bit of a drubbing in this book. While some may point to this as saying that Burke has an anti-religious bias, I would disagree. Burke is placing the struggles of political and religious life into the context of the ages in which changes were taking place, and in many cases, the resistance was not because of scientific discovery, but what the news of that discovery might have on the political landscape i. While there is a little editorializing regarding religion and science and which views prevail at which time, Burke is fair handed and lets the facts of the discoveries tell the story. One of the things I strive to do with these reviews is to explain or highlight the reasons why they would be valuable to testers. A thorough understanding of the eras or the science involved is not necessary. The world is still much the same. Instead, we have just learned how to harness the phenomena that surround us in new and inventive ways, and have built upon the knowledge and experimentation of those that have preceded us. For those that would like to see where we have been, what we have discovered along the way, and to get excited about where we might go from here, *The Day the Universe Changed* should whet your appetite nicely, and then give the reader motivation to look for additional avenues to explore.

Chapter 2 : the day the universe changed by burke james - - www.nxgvision.com

The book, The Day the Universe Changed, by James Burke, explores those moments of change, that have occurred throughout history. Most of the changes examined by the author, at first glance, seem out of place, and even irrelevant.

Then Gutenberg invents the mechanical printing press. Right away there is an explosion of "indulgences" by the Catholic church. A market demand for indulgences appears. You can even sell your indulgence to someone else, so that indulgences become a kind of fiat currency. I give you one indulgence for ten handfuls of chestnuts. This annoys the hell out of Martin Luther and he pins up his fourteen points or however many there were. Anyway, Luther begins the Reformation, which is followed by the counter-Reformation. The revolt against the Roman church spreads like wildfire, helped enormously by the fact that the Bible no longer needs to be laboriously hand printed but can be ground out like hamburgers or Wittenbergers, if you will. The Bibles, pamphlets, and propaganda leaflets can now be printed not only in Latin but in the parole. Everybody can now read the Bible for himself, with no need of middlemen like priests to translate it for him. And where does that get us? But look where THAT got us! Burke ends his presentation with a kind of monitum. Nowadays facts that are available at the speed of light on the internet quickly turn into "facts. There is the danger that the moment you know something it becomes obsolete. Truer now than ever before -- and Burke was writing this in , a quarter of a century ago. Can we believe something we read on a blog? Even if it were true yesterday, is it still true now? Was it ever true? We seem almost back to opinions again. The episode is no better or worse than others in the series. Was this review helpful to you?

Chapter 3 : THE DAY THE UNIVERSE CHANGED by James Burke | Kirkus Reviews

The Day the Universe Changed: A Personal View by James Burke is a British documentary television series written and presented by science historian James Burke, originally broadcast on BBC1 from 19 March until 21 May by the BBC.

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The Day the Universe Changed "At any time in the past, people have held a view of the way the universe works which was for them similarly definitive, whether it was based on myths or research. And at any time, that view they held was sooner or later altered by changes in the body of knowledge."

Chapter 5 : The Day the Universe Changed - Wikipedia

Wednesday Book Review: The Day the Universe Changed Through the years, I have come across a number of books that I have used and valued. These may be new books, or they may be older ones.

Chapter 6 : The Day the Universe Changed (TV Series) - IMDb

The Day the Universe Changed by James Burke--Audiobook Excerpt Listen to this audiobook excerpt and hear James Burke read from his book The Day the Universe Changed. When humans understood that the earth was flat and it was the center of the universe, all life revolved around that truth.

Chapter 7 : The Day the Universe Changed: How Galileo's Telescope Changed the Truth by James Burke

The day the universe changed by James Burke, , Little, Brown edition, in English - 1st American ed.

Chapter 8 : The Day the Universe Changed: www.nxgvision.com: James Burke: Books

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In The Day the Universe Changed, James Burke examines eight periods in history when our view of the world shifted dramatically: in the eleventh century, when Free shipping over \$ Buy a cheap copy of The Day the Universe Changed book by James Burke.

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