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THE END OF SCIENCE

*Facing the Limits of Knowledge
in the Twilight of the Scientific Age*

JOHN HORGAN

The Twilight Of The Scientific Age

Paul Sukys



The Twilight Of The Scientific Age:

The Twilight of the Scientific Age M. Laopez Corredoira, 2013-03-18 *The Twilight of the Scientific Age* Martín López Corredoira, 2013 This book gives a challenging point of view about science and its history philosophy sociology Science is in decline After centuries of great achievements the exhaustion of new forms and fatigue have reached our culture in all of its manifestations including the pure sciences Our society is saturated with knowledge which does not offer people any sense in their lives There is a loss of ideals in the search for great truths and a shift towards an anodyne specialized industry whose main goal is the sustenance and procreation of an endogamic professional caste A wide audience of educated people interested in these topics will most likely respond to the ideas expressed here as things they have thought about or observed but have not dared to say out loud The End Of Science John Horgan, 2015-04-14 As staff writer for Scientific American John Horgan has a window on contemporary science unsurpassed in all the world Who else routinely interviews the likes of Lynn Margulis Roger Penrose Francis Crick Richard Dawkins Freeman Dyson Murray Gell Mann Stephen Jay Gould Stephen Hawking Thomas Kuhn Chris Langton Karl Popper Stephen Weinberg and E O Wilson with the freedom to probe their innermost thoughts In *The End Of Science* Horgan displays his genius for getting these larger than life figures to be simply human and scientists he writes are rarely so human so at their mercy of their fears and desires as when they are confronting the limits of knowledge This is the secret fear that Horgan pursues throughout this remarkable book Have the big questions all been answered Has all the knowledge worth pursuing become known Will there be a final theory of everything that signals the end Is the age of great discoverers behind us Is science today reduced to mere puzzle solving and adding details to existing theories Horgan extracts surprisingly candid answers to these and other delicate questions as he discusses God Star Trek superstrings quarks plectics consciousness Neural Darwinism Marx's view of progress Kuhn's view of revolutions cellular automata robots and the Omega Point with Fred Hoyle Noam Chomsky John Wheeler Clifford Geertz and dozens of other eminent scholars The resulting narrative will both infuriate and delight as it mindless Horgan's smart contrarian argument for endism with a witty thoughtful even profound overview of the entire scientific enterprise Scientists have always set themselves apart from other scholars in the belief that they do not construct the truth they discover it Their work is not interpretation but simple revelation of what exists in the empirical universe But science itself keeps imposing limits on its own power Special relativity prohibits the transmission of matter or information as speeds faster than that of light quantum mechanics dictates uncertainty and chaos theory confirms the impossibility of complete prediction Meanwhile the very idea of scientific rationality is under fire from Neo Luddites animal rights activists religious fundamentalists and New Agers alike As Horgan makes clear perhaps the greatest threat to science may come from losing its special place in the hierarchy of disciplines being reduced to something more akin to literary criticism as more and more theoreticians engage in the theory twiddling he calls ironic science Still while Horgan offers his critique grounded in the thinking of the world's leading

researchers he offers homage too If science is ending he maintains it is only because it has done its work so well

The Scientific Way of Warfare Antoine J. Bousquet, 2022-06-15 Bousquet's landmark book examines the impact of key technologies and scientific ideas on the theory and practice of warfare and the handling of the perennial tension between order and chaos on the battlefield Spanning the entire modern era from the Scientific Revolution to the present it offers a systematic account of modern warfare as the constitution of increasingly complex assemblages of bodies and machines whose integration rests upon a military assimilation of scientific thought Reflecting the pervasive influence of scientific conceptual frameworks upon warfare modern armies have been successively organised by reference to the paradigmatic technologies of the clock engine computer and network Conversely major scientific developments and technological breakthroughs have become intertwined with the experience of war especially since the Second World War's unprecedented mobilisation of scientific rationality and technical expertise This increasingly tight symbiosis between science technology and war is at the heart of both the tremendous powers and enduring pathologies displayed by the contemporary military machine In this new and revised edition Bousquet extends the analysis to encompass the latest developments in the scientific way of warfare in the midst of renewed great power competition and a wave of technological innovation in artificial intelligence and robotics

Politics, Ethics and Culture in Our Time Harry Redner, 2023-01-30 Global capitalism is effecting changes in human life as momentous as those that occurred during the Neolithic Revolution the Axial Age 700-300 BC and the modern era post 1500 when industrial capitalism state power and science reshaped the civilized world The transformation is paradoxical however Science and technology ensure material progress but the market promotes cultural obsolescence and erodes belief in the Enlightenment ideals that inspired the quest for progress In Western democracies liberty and equality are proving irreconcilable citizens becoming demoralized fraternity fractured meanwhile despotic Eurasian states are recycling old faiths and concocting neo imperialist ideologies These contradictions must be confronted if the cultural values that sustain civilized life are to be conserved

Bulletin of the Atomic Scientists, 1996-11 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security Founded by Manhattan Project Scientists the Bulletin's iconic Doomsday Clock stimulates solutions for a safer world

Science in the Contemporary World Eric G. Swedin, 2005-03-08 This work is a unique introductory A-Z resource detailing the scientific achievements of the contemporary world and analyzing the key scientific trends discoveries and personalities of the modern age An authoritative reference survey of the modern age of scientific discovery Science in the Contemporary World is a scholarly yet accessible chronicle of scientific achievement from the discovery of penicillin to the latest developments in space exploration and cloning Over 200 A-Z entries cover the full spectrum of contemporary science with emphasis on its diverse nature Within the last 50 years medicine has eradicated the killer disease smallpox but primarily because the virus can live only in humans Space probes have revealed that on Europa a moon of Jupiter an ice capped ocean with the potential

to support life probably exists. Marvels from animal psychology and deep sea exploration are also explored extensively.

The Biblical World William Rainey Harper, Ernest DeWitt Burton, Shailer Mathews, 1919. Books for New Testament study. By Clyde Weber Votaw v 26 p 271 320 v 37 p 289 352. *The Death of Science* Andrew Holster, 2016-07-26. Modern science is in unprecedented crisis. It is a crisis at many levels continuous with larger crises of modern society. It is a crisis for the vocation of the scientist working within the modern institutionalised structures of science. It is a crisis for our capacity to use science benevolently to help solve larger material organisational and ultimately political problems of the modern era. And it is a crisis for philosophy for the role of natural science to help inform our world view. *The Death of Science* is an account of deeper causes of this malaise. It starts by taking up the reins of Lepz Corredoira's 2013 *The Twilight of the Scientific Age*, a recent critique that concludes with modern science on its death bed. It dissects key themes in detail illustrated in the same frank style drawing on personal examples. It starts with deep issues in the philosophy of science recounting failed modern concepts of scientific progress, method and truth, going on to failures of peer review and gate keeping as quality control systems, the domination of propaganda and marketing channels as the critical tools for professional success and the major outcome for creative scientists themselves, the destruction of scientific creativity and exclusion of heterodox thinkers in this degraded environment. It connects the behavioural symptoms with a psycho-social analysis of the bureaucratic mode of organisation under which science like all other modern vocations is now subsumed. The account supports Lepz Corredoira's appraisal which sees a modern science industry driven by greed and ambition repressing imagination and freedom, destructive of novelty and diversity of ideas controlled by bureaucratic academic power hierarchies. While science is irrevocably corrupted by its modern mass institutionalisation, the true spirit of science can only be sustained by individuals with a real vocation as scientists or natural philosophers who seek understanding and meaning and wisdom rather than technocratic specialisation and careers. But it is increasingly impossible for scientists to withstand forces of professional conformity and maintain their personal sense of value. A number of current controversies in some core sciences are also discussed and it is argued that the greatest revelations of real science are yet to come. While Establishment Science has locked itself into dogmatic paradigms, the failures of present theories show that we are really on the cusp of major revolutions spanning sciences of physics and cosmology, information and intelligence, biology and evolution, and mind and consciousness. If these are realised, they will profoundly change our understanding of the nature of the world and ourselves. But any such revolutions challenge a Science Establishment locked into the self-interest of its power brokers and are unlikely to occur except through independent scientists working outside the institutional system. The book concludes with a brief discussion of the place of independent scientists. *Lifting the Scientific Veil* Paul Sukys, 1999. *Lifting the Scientific Veil* has been written to afford the nonscience student the same meaningful opportunity to explore germane scientific topics as is generally given the science student to learn about the humanities and social sciences. Since nonscientists are generally responsible for

making laws financing research or at the very least for voting it is essential that they understand the significant impact that science has on everyday life The book is designed to introduce nonscientists in an informative and comprehensible manner to four of the most significant scientific theories of the twentieth century the big bang quantum physics relativity and evolution After each theory is explained informally the book shows how that theory and related technology impact upon one s personal life Legal and political aspects of these theories are explored as well as philosophical and theological implications

Science in Civil Society John Ziman,2016-09-22 These days science is everywhere It pervades our whole society Sometimes it is just a clutter of commonplace frivolities like new fashion fabrics Sometimes it miraculously preserves our life like penicillin Sometimes like climate change it looms over us as a portent of doom sometimes it promises a way of escape from such a fate Sometimes like a nuclear warhead it enshrouds us in political terror sometimes like a verification technology it offers an antidote to such evils How should we respond to this ambiguous and ubiquitous thing called science The Standard History of the World, by Great Historians ,1914 Science ,1926 *Economic and Political Weekly* ,1998-09

The Tree of Life Alfred Ernest Crawley,1905 **Defenders of the Truth** Ullica Christina Olofsdotter Segerstråle,2000 An insightful look at the sociobiology debate and what it tells readers about the nature of science and its roll in society Defenders of the Truth will appeal to all those who enjoy a behind the scenes peek at modern science *Scientific American* ,1893 **Anxious Intellectuals** John Michael,2000-04-24 A critical examination of the complex role of intellectuals in contemporary society including the often contradictory definitions of such roles advocated by intellectuals themselves

The Two Brothers Orestes Augustus Brownson,1888 Controversy Orestes Augustus Brownson,1884

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