

The Cybernetics Moment Or Why We Call Our Age The Information Age New Studies In American Intellectual And Cultural History

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The Cybernetics Moment Or Why
(Second-Order Cybernetics) "Kline's The Cybernetics Moment tracks the rise and fall of the cybernetics movement in more detail than any historical account to date." (Los Angeles Review of Books) "Kline does a valuable service tracing the contrasting fates of cybernetics and information theory." (Annals of Science) "... The knowledge offered in The Cybernetics Moment will greatly contribute to any reader seeking an enhanced or more comprehensive understanding of our present-day discourse ...

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The Cybernetics Moment: Or Why We Call Our Age the ...
"The Cybernetics Moment is an in-depth study of the field of cybernetics. It is also a useful case study of how researchers clarify the questions and boundaries of a field, offering an explanation for the success of information theory and the relative lack of success for cybernetics.

The Cybernetics Moment: Or Why We Call Our Age the ...
Cybernetics—the science of communication and control as it applies to machines and to humans—originates from efforts during World War II to build automatic antiaircraft systems.

The Cybernetics Moment | Johns Hopkins University Press Books
In The Cybernetics Moment, Ronald R. Kline, a senior historian of technology, examines the intellectual and cultural history of cybernetics and information theory, whose language of “information,” “feedback,” and “control” transformed the idiom of the sciences, hastened the development of information technologies, and laid the conceptual foundation for what we now call the Information Age.

The Cybernetics Moment: Or Why We Call Our Age the ...
Ultimately, he reveals the crucial role played by the cybernetics moment—when cybernetics and information theory were seen as universal sciences—in setting the stage for our current preoccupation...

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The Cybernetics Moment: Or Why We Call Our Age the ...
The cybernetics moment is surely passed, although its implications live on in the undercurrents of the modern torrent of information change. Readers have in The Cybernetics Moment the first authoritative history of American cybernetics.

The Cybernetics Moment, or Why We Call Our Age the ...
Among other things, The Cybernetics Moment is a fascinating study in how institutional support in the form of grants by both private foundations and the then-new National Science Foundation (established in 1950) were critical in forming (or not forming) new disciplines, as well as encouraging new interactions among established disciplines.

The Cybernetics Movement - IEEE Technology and Society
The Cybernetics Moment, Or Why We Call Our Age the Information Age. Baltimore, MD: Johns Hopkins University Press, 2015. "Cybernetics, Automata Studies, and the Dartmouth Conference on Artificial Intelligence," IEEE Annals of the History of Computing, 33, no. 4 (Oct-Dec 2011), pp. 5-16.

Ronald R. Kline | Department of Science and Technology ...
As Ronald Kline tells it in his new intellectual history, The Cybernetics Moment: Or Why We Call Our Age the Information Age, cybernetics suffered from being too many things at once: an interdisciplinary field of study, a philosophical worldview, a popular buzzword, an intellectual fad, and a theory of automation and control. That it could be all these things and not be wholly incoherent is a testament to the genius of its creator, the mathematician and philosopher Norbert Wiener.

A Coming of (Information) Age Story | Issues in Science ...
Cybernetics--the science of communication and control as it applies to machines and to humans--originates from efforts during World War II to build automatic antiaircraft systems. Following the war, this science extended beyond military needs to examine all systems that rely on information and feedback, from the level of the cell to that of society.

The Cybernetics Moment: Or Why We Call Our Age the ...
The Cybernetics Moment: Or, Why We Call Our Age the Information Age Ronald R. Kline Johns Hopkins University Press 2015 336 pages \$54.95 Hardcover New Studies in American Intellectual and Cultural History Q360 Kline presents an examination of the evolution of the contemporary science of communication and control between humans and machines. ...

The Cybernetics Moment: Or, Why We Call Our Age the ...
The cybernetics moment : or why we call our age the information age. [Ronald R Kline] -- Cybernetics--the science of communication and control as it applies to machines and to humans--originates from efforts during World War II to build automatic anti-aircraft systems.

The cybernetics moment : or why we call our age the ...
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The Cybernetics Moment: Or Why We Call Our Age the ...
Therefore, it is apt to take a moment to reflect and remind readers of the key role that cybernetics— originally defined by Norbert Wiener as the “control and communication of information in animals and machines”—played in the process.

Bioengineering and Cybernetics - EMBS
The Cybernetics Moment: Or Why We Call Our Age the Information Age: Professor Ronald R Kline: 9781421416717: Books - Amazon.ca

The Cybernetics Moment: Or Why We Call Our Age the ...
In The Cybernetics Moment, Or Why We Call Our Age the Information Age (Johns Hopkins UP, 2015), historian of technology Ron Kline traces the emergence of this protean discourse, along with the shifting demarcations occurring within and around it as cybernetics worked its way between technology and theorization of the social world. In doing so, he provides perhaps the most comprehensive and incisive history to date of American cybernetics and information theory.

Ronald R. Kline, "The Cybernetics Moment: Or, Why We Call ...
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