

GEONS. BLACK HOLES & QUANTUM FOAM HEELER ohn Archibald Wheeler is a physicist with his feet on the ground and his eyes in the heavens. He has dared to write about the end of time, the mutability of physical law, and the role of observation in shaping the Order by phone for faster service! 1-800-266-5766 dept. 1494 Visa, MasterCard, or American Express

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history of the universe; he has worked with the most brilliant minds in his field; and he pioneered in the most fascinating realms of physics. In short, Wheeler's work has set the trajectory of physics research for half a century.

In this charming memoir, Wheeler tells us how, at age 27, he worked with the great Danish physicist Niels Bohr to develop the theory of nuclear fission and went on to

become a key figure in the Manhattan Project of World War II. With his student Richard Feynman, Wheeler reformulated the theory of electricity and magnetism with insights about motion backward in time that set Feynman on course to a Noble Prize. When Wheeler turned his attention to

Einstein's general theory of relativity in the 1950s, it commanded the attention of only a few mathematicians and almost no physicists, for they

could not see its relevance to more than a few obscure features of our physical

world. Almost single-handedly, Wheeler changed all that.

Wheeler postulated geons, concentrations of radiant energy so intense that they are held together by their own gravity. Pushing ever further, Wheeler pioneered our still sketchy understanding of the union of quantum theory and relativity.

In this rich autobiography, Wheeler reveals the excitement of each discovery, the character of each colleague, and the underlying passion for knowledge that drives him still.

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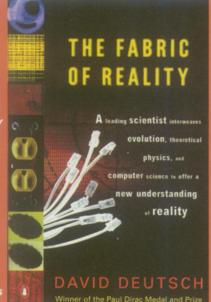
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ow much can our deepest theories of the world explain? For David Deutsch, a young physicist of unusual originality, quantum theory contains our most fundamental knowledge of the physical world. Taken literally, it implies that there are many universes "parallel" to the one we see around us. This multiplicity of universes, according to Deutsch, turns out to be the key to achieving a new world view—one which synthesizes the them. a new world view—one which synthesizes the the ories of evolution, computation, and knowledge with quantum physics. Considered jointly, these four strands of explanation reveal a unified fabric of reality that is objective and comprehensible, and the subject of this daring and challenging book.

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