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About Time: From Sun Dials to Quantum Clocks, How the Cosmos Shapes Our Lives - And We Shape the Cosmos

By Adam Frank

Oneworld Publications. Paperback. Book Condition: new. BRAND NEW, About Time: From Sun Dials to Quantum Clocks, How the Cosmos Shapes Our Lives - And We Shape the Cosmos, Adam Frank, From Stonehenge to beyond the Big Bang, an exhilarating scientific exploration of how we make time. Time is the grandest conception of the universe that we humans have been able to imagine - and its most intimate, the very frame of human life. In About Time, astrophysicist and award-winning writer Adam Frank tells the scientific story of this wonderful and tyrannical invention. A Palaeolithic farmer moved through the sun-fuelled day and star-steered night in a radically different way than the Elizabethan merchants who set their pace to the clocks newly installed in their town squares. Since then, science has swept time into increasingly minute and standardized units - the industrial efficiency of ironworks' punch clocks; the space-age precision of atomic fountains and GPS satellites; the fifteen-minute increments of Outlook's digital revolution. And in the past decade, string-theory branes, multiverses, and "clockless" physics have begun to overturn our ideas about how the universe began - the Big Bang - in ways that will completely rewrite time and our experience of it....



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