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measurement. Then, slowly but deliberately, Bascom unfreezes this picture, ratcheting each moment from one to the next, showing us how and why quantum particles are constantly in contact with the Big Bang and why that allows the particles to pop in and out of existence from moment to moment, what a photon is, and what exactly we mean when we say that free space has energy. Whether you're interested in the Big Bang, the weirdness of quantum mechanics, or simply enjoy thinking about the biggest, loudest, and oldest things in our universe, this book will help you question your deepest notions about time and space, while staying firmly rooted in empirical observation. Throughout the text, Bascom sidesteps traditional non-fiction modes, using colorful explanations and vivid imagery to place the reader in simultaneous contact with both the Big Bang and fundamental particles. As a result, Bascom provides the tools and language necessary to contemplate the strangeness of our universe.