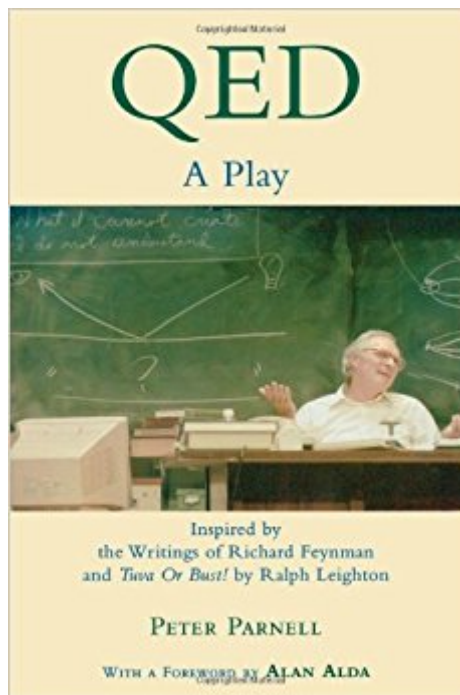




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# QED: A Play Inspired By The Writings Of Richard Feynman And "Tuva Or Bust!" By Ralph Leighton



## Synopsis

(Applause Books). QED is a seductive mix of science, human affections, moral courage and comic eccentricity... not to be missed." John Simon, New York Magazine The play itself is a kind of proof, dramatically illustrating how a man who happens to be a genius elegantly and movingly works through the human problem of how to face the end of his life." Nancy Franklin, The New Yorker With a moving and powerful introduction from Alan Alda. Who knew that quantum electrodynamics could make for a dramatic read? In the hands of the late, great physicist Richard Feynman, it does. Feynman's theory of QED is just one of the many topics the playwright Peter Parnell explores in this nearly-one-man show, a recent Broadway triumph for star Alan Alda as Feynman. Set in Feynman's office on the weekend of his realization that he has terminal cancer, this play is an intellectual tour-de-force that captures the unique, hilarious, and puckish genius that Feynman was. From his work on the Manhattan Project to the death of his beloved first wife, from his mission to reconstruct the Challenger space shuttle tragedy to his Nobel-prize winning physics ideas, the resume of Feynman's life is fascinating. But Parnell gives us more, letting fill in the details of his life. When he reads a letter he wrote to his wife after her death, or flirts with a student, or chillingly recalls walking around Manhattan calculating the damage an atomic bomb could do, we grow to love the man behind the scientist. And we read in fascination as he puzzles out the problem of his own death. Combining the current interest in science and math in the entertainment world with one of the most entertaining scientists in U.S. history, QED is a tour-de-force.

## Book Information

File Size: 587 KB

Print Length: 64 pages

Publisher: Applause Theatre & Cinema Books (September 1, 2002)

Publication Date: September 1, 2002

Language: English

ASIN: B0020HRLHG

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #489,177 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #236

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## Customer Reviews

In the introduction, it is suggested that you slowly reread paragraphs to be sure you understand them. Good advice; QED is not something intuitively easy to understand, even though the explanations are presented with a minimum number of formulas and scientific jargon. Another reviewer pointed out that this book is good because it is short. I agree; even if you don't understand it all on the first read, it isn't a major commitment to read it a second or third time. A good teacher makes you feel smart and confident enough in your newly acquired knowledge to share it with others. Even though I couldn't pass even a basic test on QED, I did learn several interesting things about light that I can explain in casual conversation and even demonstrate. Share what you've learned with your children. This is interesting enough that you might inspire him or her to become a physicist.

A superb book for those interested in quantum physics; definitely NOT for those who have little or no background in relativity or quantum concepts. These were edited versions of lectures that Richard Feynman gave to those who had some physics background, but were not familiar with the way that very small matter differs in behavior from the physics of large object (bigger than an atom). I have read the book several times during the last 15 years, and am always amazed by Dr. Feynman's discoveries, for which he won the Nobel prize.

This book makes QED understandable. It provides in-depth explanations of several electron-photon interactions, and makes it seem easy. There is no serious math, so don't expect to be able to see equations to explain the various phenomena, although Feynman hints at the math. However, this is a great first book to understand the processes behind QED. I found it a quick read, although it pays to reread some sections, to be sure you gain a full understanding.

In this age of new discoveries in fundamental physics he is sorely missed. The book is compelling not because he is a great explainer but because he seems to fundamentally understand more clearly. So he has no fear in describing the limits of theories or knowledge - many popularizers are not true scientists and it is tricky for them to tell the difference between their own limits and the

actual limits of the theories. - to reveal that there is \*no\* physical intuition at the quantum level - just laws. And we want those laws to be as elegant and simple and true to experiment as possible.

I was recommended this book by a good friend of mine who actually worked with Feynman as well as Feynman's sister, also a brilliant scientist. It's short, terse, and brilliantly clear. Feynman must have tried to explain quantum mechanics to an awful lot of people over his career - he certainly got very good at it. Then, he wrote it down in this book. All the analogies are perfect and clear, all the explanations are pithy but understandable. Feynman isn't trying to dazzle you with his knowledge - he's trying to move knowledge from his brain to yours, and he succeeds.

This is truly an amazing book. Richard Feynman won the Nobel Prize, and this book is the transcript of a series of lecture he gave at Cornell University. What makes it a real joy to read is that the lectures were designed to explain the amazing theory of Quantum Electrodynamics to non-physics majors. He is speaking to folks who do not have much, if any, math background. When he does get into some math, he apologizes and explains what the reader needs to know. If you'd like to understand what this man did that resulted in the Nobel Prize, then read this book. I'm not saying it is a light read, but it is readable by folks other than graduate level physics majors.

Feynman was one of the greatest scientific minds of all times. Contrary to Stephen Hawking, who claims in his books that quantum physics is complicated and only a few can understand, for Feynman is not only simple but fun and anyone can access such knowledge. This book is a revelation about the world of subatomic particles, accessible to all. Highly recommended.

This is an example of Richard Feynman at his most engaging and informative. Drawn from a series of lectures, QED stands as an excellent introduction to the basic concepts of quantum electrodynamics for the lay audience. Feynman brings this at-times daunting area of physics into everyday experience for the non-researcher in a manner that is both enlightening and witty. For those who only know Feynman from his memoir, "Surely You're Joking, Mr. Feynman," this book is a real treat.

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