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The Strange Theory of Light and Matter

RICHARD P. FEYNMAN

Renowned theoretical physicist, Richard Feynman, here presents the forbiddingly named theory of quantum electrodynamics for the general public with the clarity, accuracy, and completeness that have made his lectures famous.

He begins with a discussion on the reflection of monochromatic light, followed by one on electrons and their interactions. Finally we see how the theory of quantum electrodynamics helps us understand quarks, gluons and other major terms of current physics; he also discusses the relation of quantum electrodynamics to the rest of physics.

"The theory of quantum electrodynamics describes Nature as absurd from the point of view of common sense. And it agrees fully with experiment. So I hope you can accept Nature as She is — absurd." — From the book

Princeton University Press, 1986, 158 pages, hardcover, \$18.50

Assuming little scientific background of his readers, Feynman describes the interaction of light and electrons which underlies almost everything we observe in the physical world.

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By Stephen Jay Gould

This work is both an account of geology's greatest discovery and a philosophical commentary on the nature of scientific thought. Science, it argues, is not so very different from other forms of learning, led not by the brute force of inductivism but by the use of all the curious tools of inference that the mind encompasses. Gould follows a single thread through three documents that mark the transition in our thinking from thousands to billions of years: Thomas Burnet's four-volume *Sacred Theory of the Earth* (1680-1690), James Hutton's *Theory of the Earth* (1795) and Charles Lyell's three-volume *Principles of Geology* (1830-1833). — from the publisher

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I looked at Hampton's throne and I saw Burnet's frontispiece. The two structures are identical in concept; they display the same conflict and resolution between time's arrow of history and time's cycle of immanence. The themes of time's arrow and time's cycle, and their necessary union for any comprehensive view of our history and our estate, must be pervasive and powerful indeed if they could so motivate, in so essentially similar a way, the visions of two such different men . . .

— from the book

Harvard Univ. Press, 1987, 222 pages, 6¼" x 9¼", hardcover, \$17.50
ISBN 0-674-89198-8

E

Everything is Somewhere

The Geography Quiz Book

Jack McClintock
& David Helgren

When one-third of David Helgren's freshman geography class at the University of Miami couldn't locate the Pacific Ocean and seven percent could not point out Miami on the maps on their desks, a national nerve was struck. Since his quiz results were nationally publicized, Helgren has received hundreds of letters and calls — many from people wanting to be quizzed on their knowledge or learn more about geography. **Everything is Somewhere** contains hundreds of questions that will challenge even the most "worldly" trivia buffs.

W

**Where is the
oldest ship in the
world?**

**Where would you
find the largest
spider?**

**Where are the best
Panama hats
made?**

N

Morrow/Quill, 1986, 442 pages,
11" × 8½", paperback, \$10.95

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What is fog?

**What are the
horse latitudes?**

**How hot can it get
in the shade?**

**What continent
has the highest
birth rate?**

**Which is the most
widely planted
agricultural tree?**

**Which is larger —
Asia or the Pacific
Ocean?**

S