

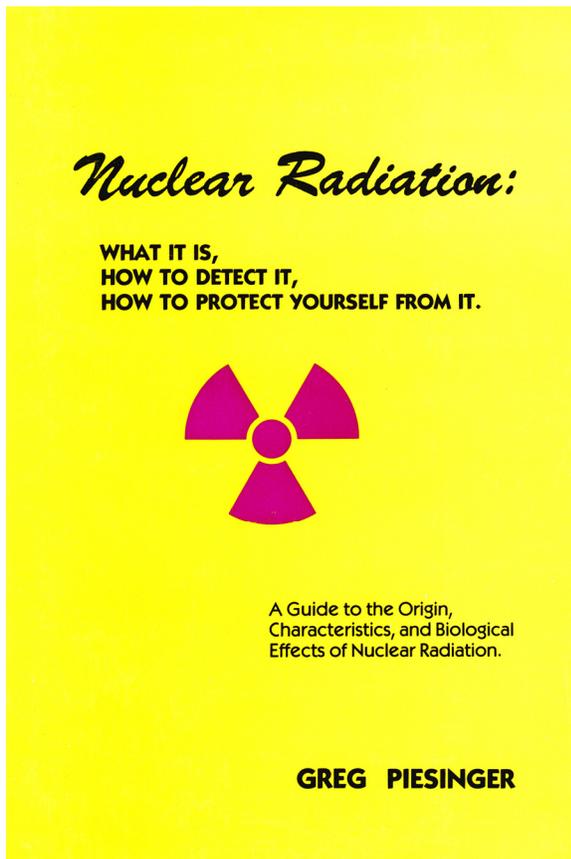
## Nuclear Radiation Book

### History

In 1980, Dyco, Inc. (same company CEO and ownership as Origo Corporation) wrote and published a paperback book shortly after the Three Mile Island power plant accident. This book was republished as an eBook on June 1, 2021 and as a Paperback book a couple weeks later.

As this introductory book has application to the Electric Utility Industry, this White Paper provides a brief overview of the book.

### eBook & Paperback



### AN INTRODUCTION TO NUCLEAR RADIATION, MEDICAL RADIATION, AND THEIR BIOLOGICAL EFFECTS

This book was written after the 1979 Three Mile Island power plant accident, to provide the average citizen with a basic understanding of radia-

tion, as newspapers contained many stories about radioactivity. Numbers were given that indicated the levels of releases - rems, rads, curies, etc. What does all this mean? The average citizen only has a vague understanding of radiation.

What about medical radiation, X-rays, and other nuclear treatments? What are the tradeoffs between its benefits and long term cumulative effects?

So how can you find out what radioactivity is, and how it harms you? You could pick up a book on nuclear physics, but most books dwell on just some aspect of it. To get a full understanding of radioactivity and its biological effects, you will have to dig through many books.

This book is designed to "dig through the books" for you. It is written for someone who has no background in nuclear physics, yet would like to have an understanding of what radioactivity is and its biological effects.

This book starts with the basics and is written in significant detail so that the non-technical reader can obtain an understanding of the phenomenon of radioactivity and its effects.

The 1980 paperback book was available in many libraries and a number of professors used this book as an introductory textbook on nuclear radiation.

Book Reviews from 1981

**NATIONAL DEFENSE  
MAGAZINE**

**Nuclear Radiation: What It Is, How to Detect It, How To Protect Yourself From It.** By Greg Piesinger. Scottsdale, AZ: Dyco: Inc., 127 pp. \$9.95 pb.

The subtitle to this little book tells it all: "A Guide to the Origin, Characteristics, and Biological Effects of Nuclear Radiation."

Mr. Piesinger notes in the introduction that few people understand the basics of radiation and the news media provides little assistance. That fact is "unfortunate because radioactivity is central to the nuclear debate."

From that beginning, the author

leads through a highly readable and understandable treatise of a complicated technical subject: readable because Piesinger organizes and writes well; understandable because he has mastered the art of making the complex sound simple.

My greatest delight in the book is the logical step-by-step descriptions in the first four chapters of atomic structures, types and characteristics of radioactivity, and nuclear reactions. These and the following discussions of the biological aspects of radiation are couched in terms the layman can follow. Much of the mystery is stripped from the invisible forces of nuclear physics.

Mr. Piesinger has succeeded admirably in his stated objective to provide understanding. The book would be an excellent introduction to nuclear radiation for the student or worker involved in the frequent handling or transportation of radiation producing equipment and materials—JAMES G. STANLEY

LOS ANGELES TIMES

# THE BOOK REVIEW

SUNDAY, JANUARY 11, 1981

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## ecologic

by DAVID GRABER

The energy crisis has become an energy chronic. Price-rising parties by OPEC command only piddling press space, while the lack of any dramatic solutions has made not only the public but even government a bit weary of debating coal-slurry pipelines and breeder reactors. In the absence of any clear-cut policy direction, we are about to change governments from one that has been muddling in the middle to one that proclaims it sees a nuclear future, pooh-poohs conservation, and intends to free the price of American oil.

More obviously than ever, a well-informed electorate (not to mention Congress) is critical. The energy book business has been booming, and many volumes represent serious contributions by informed and thoughtful authors. Unfortunately, they are not particularly high in entertainment value, and equally credible authors often come to opposite conclusions.

If you've learned not to trust experts but you still don't know the difference between a rem and a radionuclide, it's time you learned. **Nuclear Radiation: What It Is, How to Detect It, How to Protect Yourself From It** by Greg Piesinger (Dyco: Scottsdale, Ariz.: \$9.95, paperback, illustrated) was written, at least in part, to sell a small home radiation monitor produced by the publisher (of which Piesinger is president). No matter, this little book explains all about atoms and atomic nuclei and electrons, about fission and fusion, about alpha particles and gamma rays, about roentgens and rads and rems. Although the liberal scattering of numbers (no equations, though) and graphs may intimidate the faint-hearted, you can't ask for more clarity short of Dick and Jane. Piesinger's section reviewing the highly controversial literature on radiation and health is both informative and fair-handed, and his chapter on detecting and avoiding radiation is much more understandable (and trustworthy) than what the government will tell you.

### **eBook and Paperback Availability**

The eBook and Paperback formats are available from Amazon.com at the following link, or just search on Greg Piesinger under books.

[https://www.amazon.com/Nuclear-Radiation-Yourself-Characteristics-Biologi-cal/dp/0937224006/ref=sr\\_1\\_58?keywords=nuclear+radiation+book&qid=1624730385&refinements=p\\_n\\_publication\\_date%3A1250226011&rnid=1250225011&s=books&sr=1-58](https://www.amazon.com/Nuclear-Radiation-Yourself-Characteristics-Biologi-cal/dp/0937224006/ref=sr_1_58?keywords=nuclear+radiation+book&qid=1624730385&refinements=p_n_publication_date%3A1250226011&rnid=1250225011&s=books&sr=1-58)

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