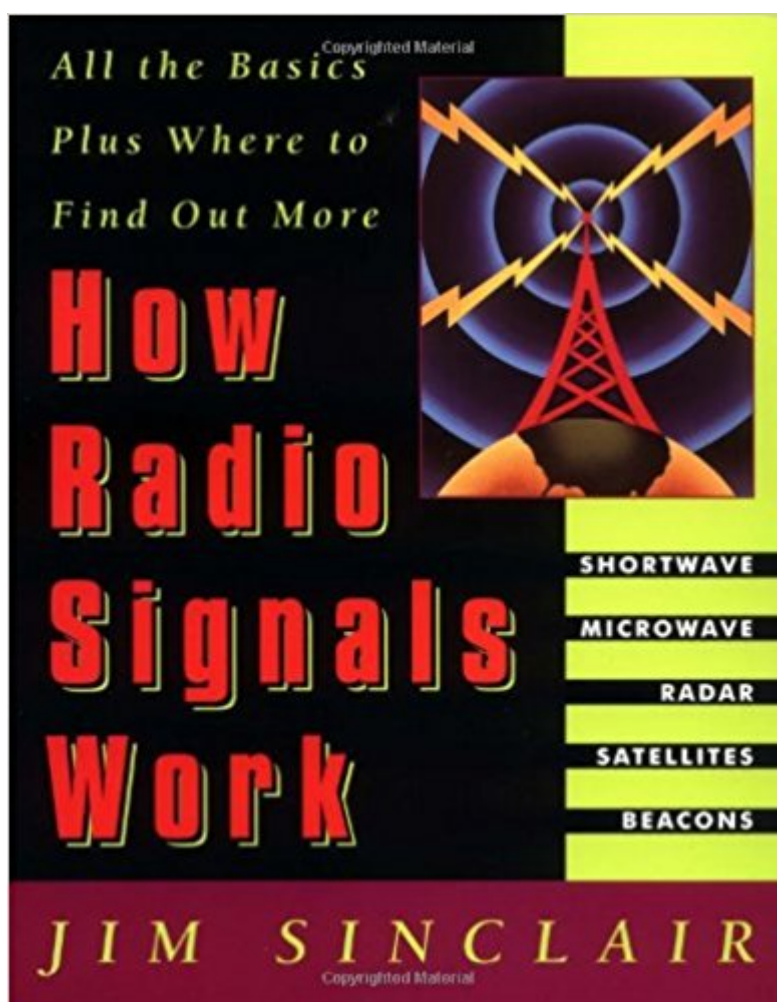


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# How Radio Signals Work



## Synopsis

This book provides a basic understanding of the way radio signals work-without becoming bogged down with the technicalities. It covers all kinds of radio signal types--including mobile communications, short-wave, satellite, and microwave. No detailed knowledge of electronics or mathematics is required. A-Z coverage of radio signals including satellites, mobile communications, and short-wave radio. No math or electronics background necessary.

## Book Information

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## Customer Reviews

I've been dusting off a lapsed lifelong professional interest in RF, network technologies and related areas recently, and as part of that research I stumbled across this excellent book. If you've dug around the field at all you probably have realized that there are two large categories of books on RF and communications. The first is the very superficial, utterly non-technical book that will let you pick the topic out of a line up but not really understand it. The second large category is the college textbook written for electrical engineers, which is full of Greek letter -laden formulae and is incredibly technical. Both serve their purposes to be sure, but are not universally relevant or accessible. Sinclair's book starts off at a very, very basic level and uses plain, conversational language to explain RF theory from the ground up. It really is a fantastic resource that I keep going back to for fundamental points in a readily comprehensible format. I recommend this book professionally to a lot of people who lack a decent grasp of the basics, and without exception they are up to speed in very short order once this book arrives. Well written, organized and very sound.

Can't recommend this book highly enough.

This book was definitely written for non-technical people. In order to enjoy this book, one does not have to have great knowledge in electronics and mathematics. As matter of fact, the author completely avoids using mathematical equations and replace it with very easy-to-follow graphs to explain the complex "Radiophysics". The author did a very good job of explaining difficult topics of "Radiophysics" using normal everyday language. An excellent starter book for anyone who is interested in learning how our modern communication works. I wish I had read this book before I started my college engineering courses. Concepts mentioned in this book can be a stepping stone for anyone (high school students, people in technical sales, non-technical managers, and even tax agents) who is considering a career in RF/wireless communication field. This book will definitely set you in the right path for an introductory communication class.

I'm just beginning to get into Amateur Radio (ie: Ham radio) to move my career more toward RF technology. This book really lays out the info very gently, doesn't try to impress you with huge words or complex theorems. For anyone trying to gain insight into RF, this is a GREAT starting point. But, if you're trying to get into Ham radio, get the test book first from the ARRL and pass the Technician's exam. After that, you can apply practically all the theory found in this book and expand your knowledge further through experience.

It is unfortunate that this book is out of print and is available only as used. The book begins with the basic concepts of magnetic and electric fields and gradually introduces the more complex aspects of modulation and reception. It is organized as a basic text that can be studied individually or in a classroom setting. I wish it were available as a class textbook in basic electronics. One of the surprising revelations is that there was no study of electronics before there was radio. I would recommend this book to anyone with any curiosity regarding how radio, television, or microwave signals exist and are received.

The very small Aussie-centric portion of this book is not the problem. It's not very conversational and I've had to look elsewhere to find some one with fresh eyes to explain it to me. Sometimes the best person to explain something to you is a veteran; sometimes it's not.

Everything you need to know in an easy, interesting format. Great reference. A must have for every

bookshelf.

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