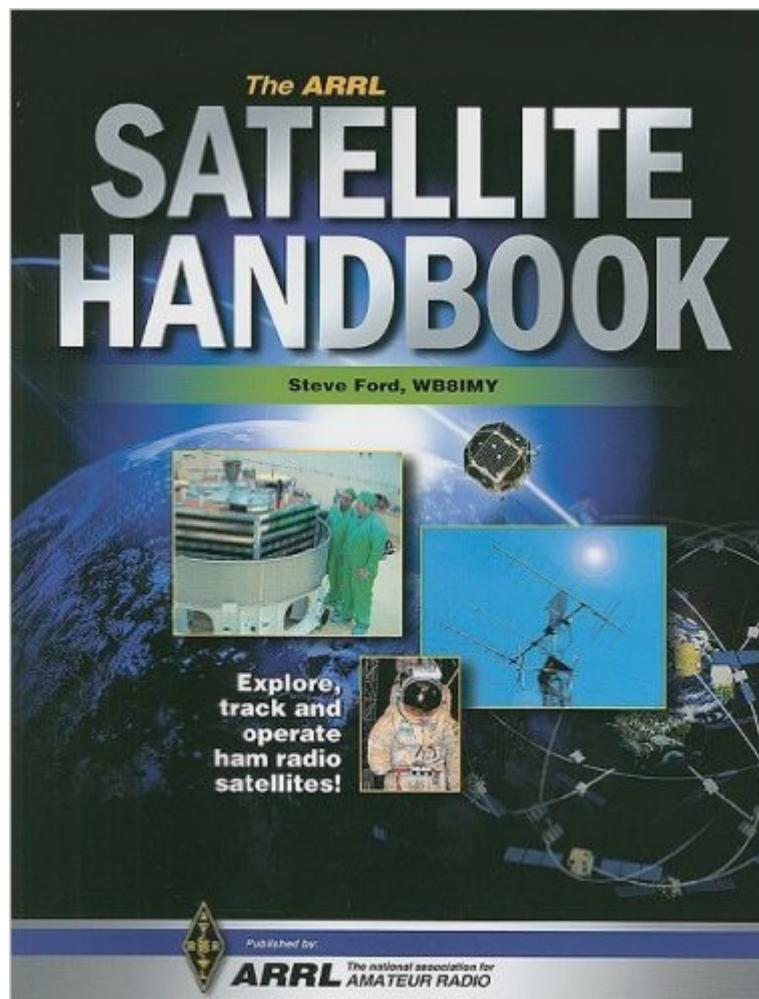


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# The ARRL Satellite Handbook



## Synopsis

Put yourself at Mission Control! The ARRL Satellite Handbook brings the thrill of satellite communications within your reach. Filled with understandable descriptions and illustrations, this book includes all the tools you need to participate in this exciting field. It's designed to give a broad introduction to the subject, while providing the practical fundamentals you need to explore, track and operate ham radio satellites on your own. Contents: A Brief History of Amateur Radio Satellites, Satellite Orbits and Tracking, Satellite Communication Systems, Your Satellite Ground Station. Satellite Operating and Amateur Satellite ProjectsPlus, understanding satellite orbits and subsystems by Dr Martin Davidoff, K2UBC

## Book Information

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## Customer Reviews

I love this book. Mr. Ford does an excellent job of describing what you need to know to work the sats. Read it three times and am still picking things up. This is VERY much worth the money. Been a ham since 1976 and I would highly recommend anyone new or old to the birds read his book. Excellent!!

This version of the Satellite Handbook, while more up to date, is lacking in a great many respects to the earlier version by Martin Davidoff. If you really want to gain an understanding of satellite orbits for instance, this version has moved Davidoff's text to an appendix and removed all the illustrations. If you're serious about satellites, get both books.

I was wanting to explore in this area of ham radio, and needed something to help get me started. This book got me started. It's a very readable book, with an excellent brief history from Sputnik in 1957 to today's International Space Station. It has an extensive chapter on antennas and satellite ground station projects. Until I read this book, I didn't know I already had the equipment needed to make contacts up above with my own dual band 2 meter/440 mhz handy operating mobile out of my car with a little mag mount antenna. It lists all the current satellites for ham operation with operating frequencies. Together with my Droid Ham Sat satellite pass calculator app on my smartphone, I have what I need to get started. Paul S. N0KDI Brighton CO

Great book..not doubt about it. I have it and still occasionally flip through it. History, photos, detailed scientific information... But, we have birds that have died since the publication, as well as many new ones now. Pico satellites are popular, and many universities are building them. I'd suggest perusing AMSAT and related websites also. And, you don't have to pay to use software. Purchased software is good, but not necessary. Many software programs are free. Android programs are also available. Programs such as heavens above are not real time, but you can print out a spread sheet type format of passes. Supplement the book, and learn from the science in it.

I'm just getting into with-satellite communication, despite a career track in electrical engineering and a long time in amateur radio. There was a lot I had missed. This book is a decent primer for that. There is other literature that is more specific on assembling a satellite-capable ground station, and I'll acquire those too. The more technical the material, the faster it tends to become obsolete. The material in this bolume is as close to timeless as one can get in a fast-moving field.

What I enjoyed about the book is the info is just geared for ham operators that do UHF/VHF and Satcomm. Really informative book in that respect. I am not a ham op but I was comm op in the military so this is a different perspective for commerical users.

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