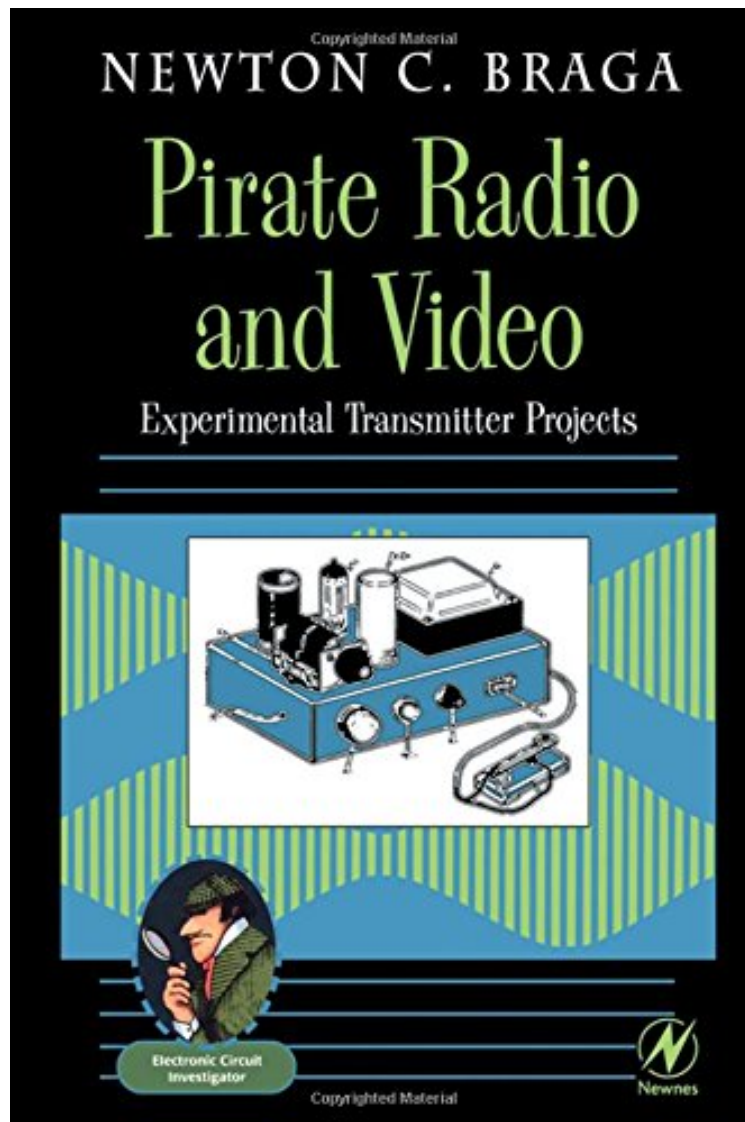


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Pirate Radio and Video: Experimental Transmitter Projects (Electronic Circuit Investigator)

Newton C. Braga

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#3704804 in Books Newton C Braga 2001-01-10 2000-12-27Original language:EnglishPDF # 1 9.00 x .72 x 6.00l, .90 #File Name: 0750673311304 pagesPirate Radio And Video | File size: 46.Mb

Newton C. Braga : Pirate Radio and Video: Experimental Transmitter Projects (Electronic Circuit Investigator) before purchasing it in order to gage whether or not it would be worth my time, and all praised Pirate Radio and Video: Experimental Transmitter Projects (Electronic Circuit Investigator):

0 of 0 people found the following review helpful. Great brush-up on transmittersBy cosmicthermosExcellent book that

describes in detail all the subtle things necessary to build transmitters. Easy reading and enthusiastically presented so you would want to build these simple transmitters. Leaves nothing to chance. Excellent reference material. Great ideas for Ham Radio operators to build units for "fox hunting". 0 of 0 people found the following review helpful. Three Stars By Quentin A Little disappointing. 2 of 3 people found the following review helpful. A very mixed bag By John A. Faulkner A very provocative title, but inside there is little that the serious pirate operator would be interested in - European pirates would laugh at the circuits presented. This might be of interest to hobbyists and experimenters in nations with more liberal radio laws. The book starts with an introduction to radio theory. As is usual in this type of publication, this is done poorly but don't let that put you off. After this shaky start there is a reasonable discussion of practical oscillator, amplifier and modulator design. VHF FM transmitters are then introduced starting with simple wireless microphone circuits and moving gradually to mono transmitters with an output measured in hundreds of milliwatts, up to a couple of watts, for the FM broadcast band. There is an interesting circuit for a stereo transmitter but this is not recommended for beginners as construction would present several difficulties and, more importantly, it needs a complete redesign. In its presented form it will not work as it is supposed to. AM transmitters for the MF broadcast band have a chapter to themselves. There are a few circuits with outputs of less than a watt using semiconductors and valves (US - "tubes"). There is one chapter devoted to using simple FM "wireless microphone" circuits as alarms and annunciators. You can find more interesting material on the Internet. The final section of the book presents some very rubbishy circuits and some very interesting ones - an earth loop transmitter, an induction communication session and some low-power HF (shortwave) transmitters. There are also circuits for field strength meters and power supplies. There is a common production issue here that affects many similar books - diagrams are scrappy and look as though they have been produced by a graphic artist with little experience in technical illustration. One serious issue is that despite the fact that the publisher is European and this is sold on a global market, the only coverage is a brief (too brief) précis of US law. In some nations unlicensed radio operation may bring severe penalties including prison terms, in other places provision is made for experimenters to operate without government interference. You are advised to check out your local regulations.

Now that the FCC has changed the laws governing pirate radio and video stations, more and more people across the country are starting broadcasts from their homes. Of course transmitting equipment is very expensive, but now you can build your own transmitters for a fraction of the cost of purchasing. By reading about and building the over thirty projects in *Pirate Radio and Video*, you can construct your own station with a minimum investment for maximum learning. With projects for UHF, VHF, AM and FM transmitters, this book covers the gamut of popular bands and outputs. Not only will you learn how to build your own transmitters, but also how to troubleshoot problems, test outcomes and even synthesize several types of equipment into a powerful and unique system. Written with the electronics hobbyist in mind, each project includes basic diagrams, complete instructions as well as advice on how to make each project work best for you. The list of projects includes over several different FM radio transmitters, AM radio transmitters, microwave transmitters, shortwave transmitters, UHF video transmitters, VHF video transmitters as well as nearly a dozen special projects for test equipment and system set-ups. If you are interested in setting up your own radio or television broadcasting system, you will need a copy of this book to do it! Learn how to build your own UHF, VHF, AM and FM transmitters, saving thousands of dollars over buying equipment at a specialty store. Start broadcasting your own video or radio signals from your self-built station. Experience the fun and learning that radio and video production and broadcasting gives the whole family.