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## Yagi Antenna Design (Radio amateur's library)

*James L., Jr. Lawson*

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**James L., Jr. Lawson : Yagi Antenna Design (Radio amateur's library)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Yagi Antenna Design (Radio amateur's library):

1 of 1 people found the following review helpful. Hardly any picturesBy BradI'm more of a visual learner so 4 stars is all I want to give this book. If you like to read and like making your own equipment than this is for you. I still own it, but hardly ever pick it up since it has a lack of pictures.0 of 0 people found the following review helpful. Very old small book. No practical diagram and size ...By YooJongSeungVery old small book.No practical diagram and size.Hope to stop selling this book anymore.No value over 2~3dollers jn flee market.11 of 11 people found the following review helpful. Details of everything you wanted to know about the Yagi-UdaBy welchtc@hotmail.comThis is actually a compilation of articles written for "Ham Radio" in the 80's by James L. Lawson, W2PV. It is a very thorough walkthrough, starting from deriving equations for mutual and self impedance of parasitic elements in chapter 1 and going on through simple antennas, performance optimizations, loop antennas, the effects of ground, stacking, and several practical designs, including those for 7,14,21, and 28 MHz. As the editor, Bill Myers puts it, "the very large ratio of figures and tables to text has made the logical presentation of this material exceptionally challenging." There are lots of polar plots and tables for gain and front to back ratio. There are plenty of formulas with experimental verification/validation included. Feedpoint resistance/reactance is mentioned, but there aren't too many details in manipulating the resistance, partly because the author feels that discussion is trivial and because it is only valid at single operating point. The computer modeling methodology is somewhat dated and broad band yagis are barely touched on. Other than that, this book is the best I've found on Yagis. With this book, you can reverse-calculate all the

assumptions that the other guys made when they wrote their books. Not perfect, but still 5 stars.

Book by Lawson, James L., Jr.