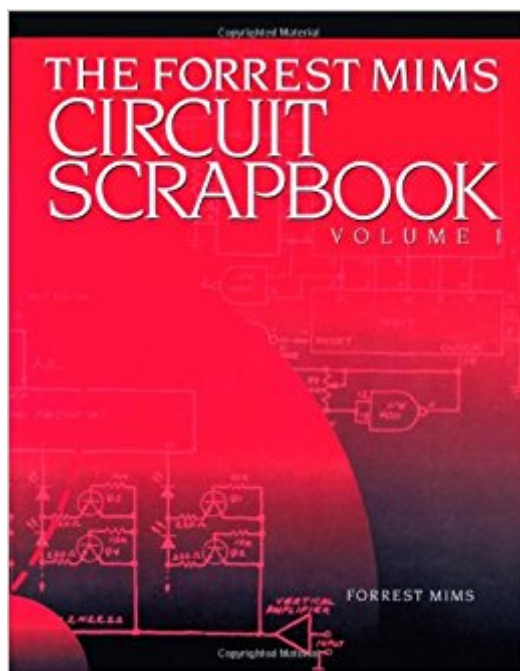


The book was found

The Forrest Mims Circuit Scrapbook, Vol 1



Synopsis

Here it is--a collection of Forrest Mims's classic work from the original Popular Electronics magazine! Using commonly available components and remarkable ingenuity, Forrest shows you how to build and experiment with circuits like these: analog computers color organs digital phase-locked loops frequency-to-voltage and voltage-to-frequency converters interval timers LED oscilloscopes light wave communicators magnetic field sensors optoelectronics pseudorandom number generators tone sequencers and much, much, more!

Book Information

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Customer Reviews

"Here's a real hands-on book for the tinkerer, filled with all sorts of interesting and useful circuits." --Popular Communications
"If you do any kind of real-world interface or embedded systems work, don't miss this one." --PC Techniques

Forrest Mims has been an electronics hobbyist since building a one tube radio kit at the age of 11. Following graduation from Texas A&M University in 1966 and service as a photo intelligence office in Vietnam, he worked for three years with high-powered lasers, solid-state instrumentation, and trained monkeys with the Air Force Weapons Laboratory in New Mexico. Since becoming a full-time writer in 1970, he's written several hundred magazine articles and scholarly papers. His articles and columns have appeared in virtually every significant electronics magazine, including Popular Electronics, Radio-Electronics, and Modern Electronics. His articles on other scientific topics have

appeared in a wide range of other publications, including National Geographic World, Science Digest, Highlights for Children, and Scientific American. His editorial exploits have included an assignment from the National Enquirer to evaluate the feasibility of eavesdropping on Howard Hughes by laser (it was possible, but Forrest declined to take part) and getting dropped by Scientific American as their "The Amateur Scientist" columnist because he admitted to the magazine's editors that he was a born-again Christian. His book sales total in the millions, and he is likely the most widely-read electronics writer in the world.

If you are interested in electronics, I would highly recommend reading this book. Despite the fact that technological components have surpassed many of the circuits contained in various chapters, the significance is the description of the circuit themselves. The "how and why" a particular circuit operates. The author is quite straightforward in the description and operation of electronics. I highly recommend this scrapbook of electronic circuits and schematics. I have placed this book on the shelf with other favorites and it has become a reference by providing the ground work for circuit development.

Some good reading and projects.

Excellent book!!

My problem with this book is that I have not been able to get any of the circuits to work. I have been doing electronics for a while and I don't think it is all my fault.

I purchased this book based on others previously written by Mr. Mimms. My old collection consisted of his 1980 edition of the Engineer's Notebook series and the Integrated Circuit Projects mini books previously available from Radio Shack. There always seems to be some overlap with his books. I was attempting to update my library since I had not been involved in circuit building for a while. I DO regret purchasing this book. As the title implies, this book should have remained his scrapbook. It contains typos, incomplete info and contradictions with his other published books while using some of the same IC's and circuits. As a result, some circuits don't work properly or not at all. One such example on page 129, the schematic of the general purpose amplifier. He has pin 1 of the 741 op amp as the output to the 386 chip. It should be pin 6 on the 741 chip (output). I attempted the circuit with his pinout and it would never work. Pin 1 is the offset null. Pin 6 is the output of the op amp.

Other books of his state the 741 can use a single polarity power supply for non voice purposes and yet this same circuit uses such. He states the same circuit can be used with several type microphones or sensors etc. If used with a condenser mike it cannot be used without additional parts.

VERY, VERY nicely done ... As Always with this guy's stuff.

a

Unfortunately this book now seems too dated to be of much practical use.

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