

Books of Interest to the Amateur Radio Operator

Robert Culver VK5RC

Ham Books

- Why bother?

- Internet is everywhere

- Many resources available online

- Most Shacks have computer and screen

- Books aren't cheap

Ham Books

- The REALLY good stuff isn't often online
(well legally anyway)
- WWILF'ing the 'net
(What Was I Looking For)
Is a really good way to waste time
- Accuracy – the editorial input into a book is often quite a bit better than most blogs etc
- Cruising a book can really broaden your understanding

Ham Books

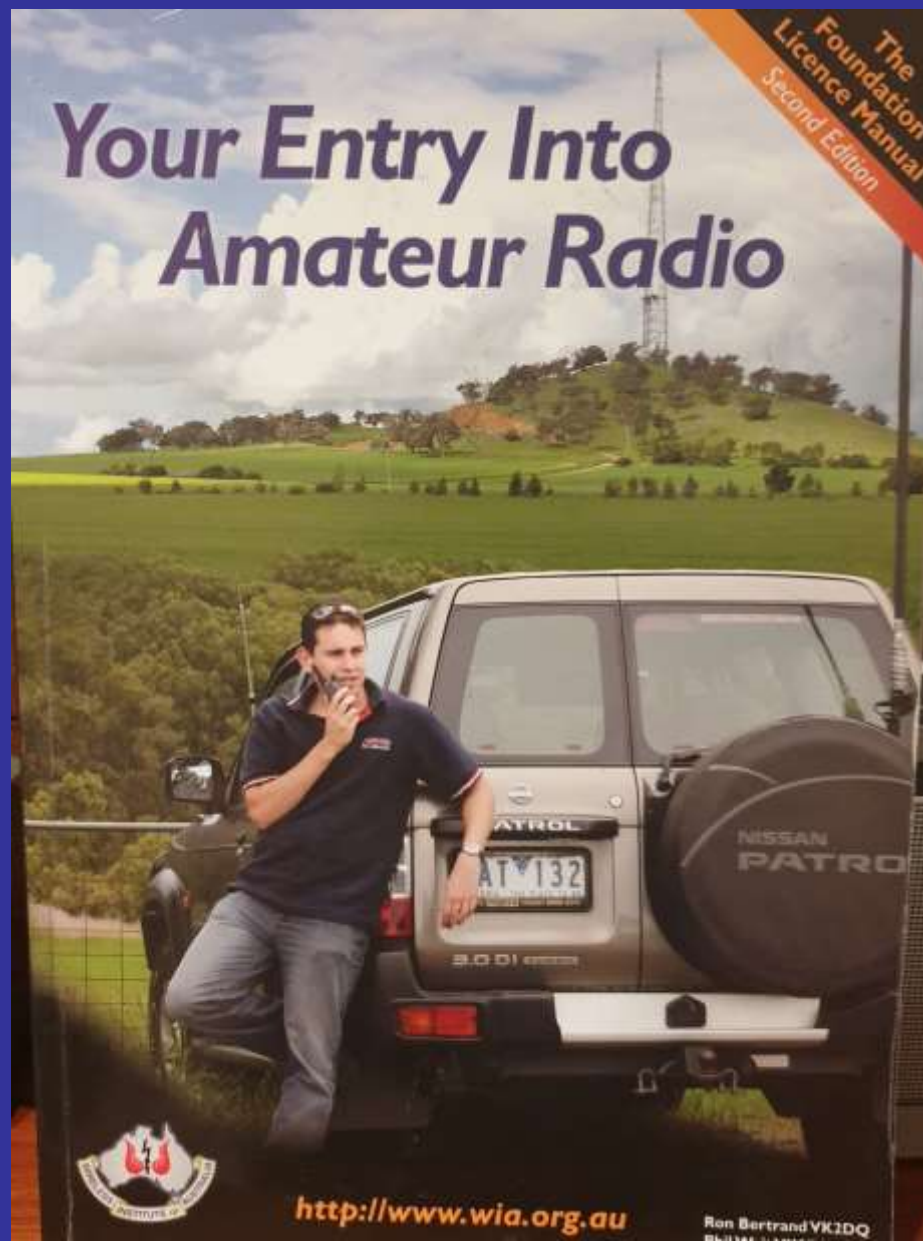
- **Where the Internet is Great**
- .pdf of the Data Sheet of that semi obscure part
- The 300 page Advanced User Manual for that transceiver – that you only need to look at how to unload the USB drive
- YouTube Instructionals – can be difficult to follow while doing whatever you have to do

Ham Books

- **Categories**
- Learning
- General Ham Resource
- Specific Ham Topics
- General Electronics

Ham Books Learning

- 1st Book

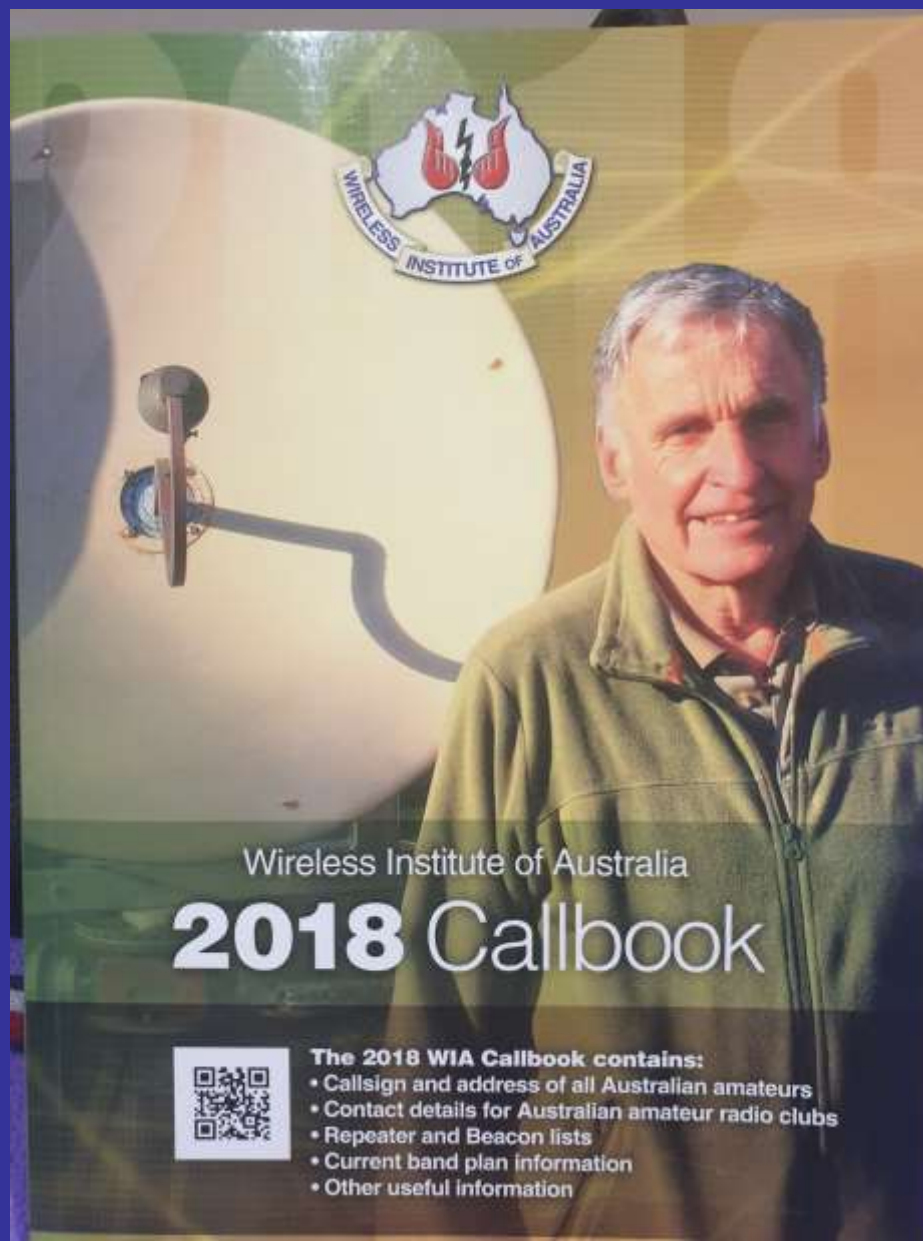


Ham Books Learning

- **Foundation Licence Manual**
 - \$35 (\$20 WIA members)
 - Covers the syllabus for the Foundation Licence Exam
 - Band Plans
 - Good Antenna Designs
 - Fundamental electronics

Ham Books Learning

- WIA Callbook



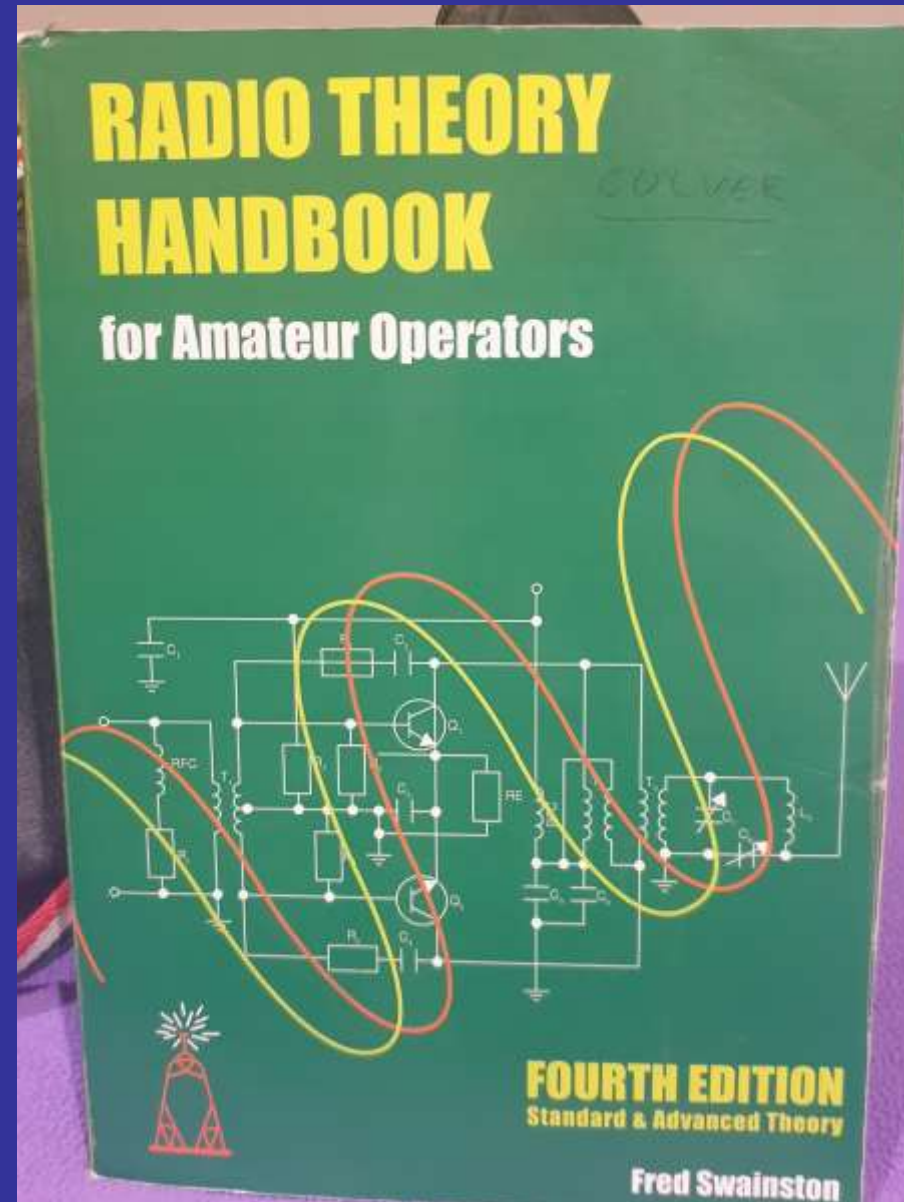
Ham Books Learning

- **WIA Callbook**

- \$25 (\$20 WIA members)
- VK Callsigns and addresses
- Band Plans – quite detailed
- Repeaters
- Beacons
- Morse, Q codes in addendum

Ham Books Learning Stage 2

- Radio Theory Handbook
Swainston
(Now Red)

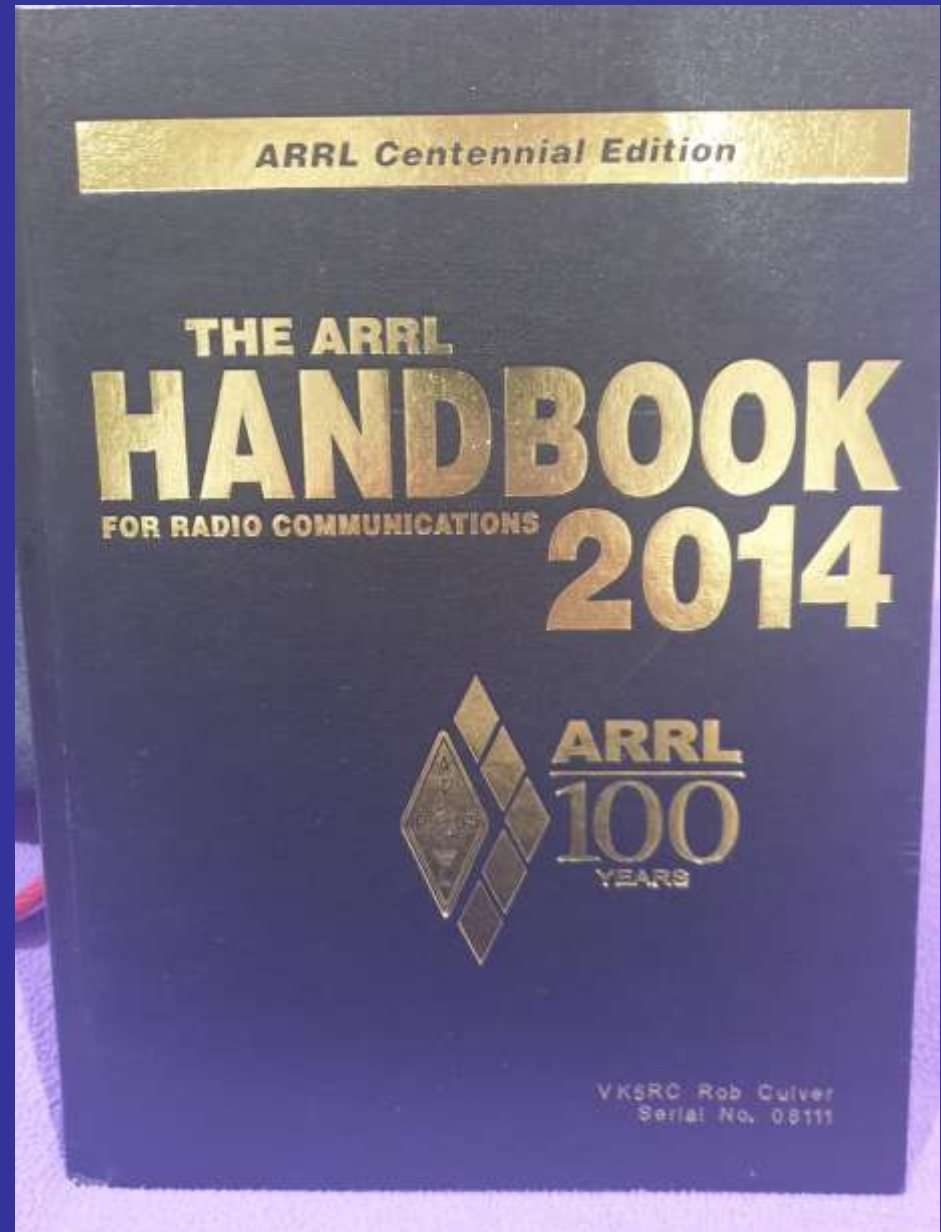


Ham Books Learning Stage 2

- **Radio Theory Handbook** Swainston
= \$90 WIA bookshop
 - based around syllabus for Intermediate & Advanced licence
 - covers a lot of semiconductor, RF theory
 - very readable for the depth of topics

Ham Books General Ham Resource

- ARRL Handbook



Ham Books General Ham Resource

- **ARRL Handbook**

- A “classic”
- New , Amazon ~\$100 paperback
can get from ARRL directly
- Each Edition is moderately different
- Vary in Technicality, Instruction, Projects
- Older versions – can be FREE, Ham
- Some of the very early editions esp good
in descriptions of capacitors, inductors,
tuned circuits etc

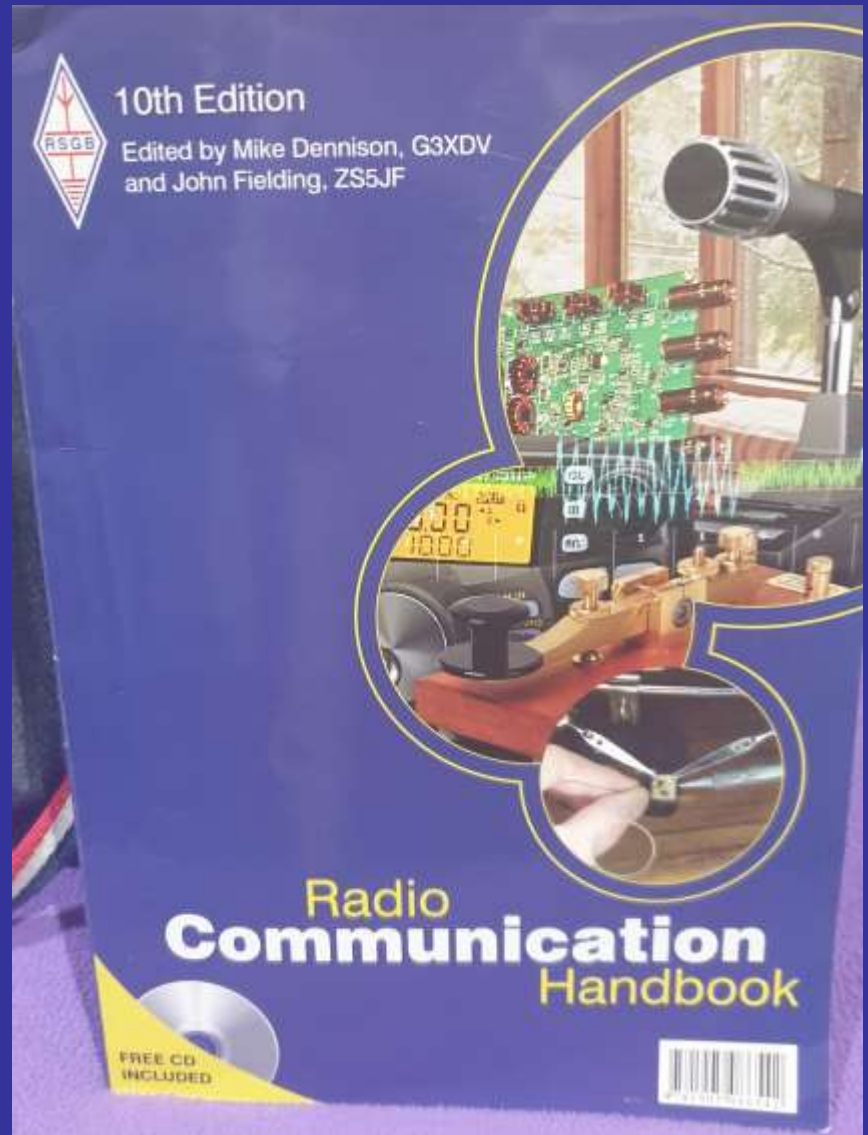
Ham Books General Ham Resource

- **ARRL Handbook**

- Some of the better features in CD or online
- Elsie - as in (L-C) – a filter designing program
 - Yagi Calculators, EZNEC etc
- Some digital mode programs

Ham Books General Ham Resource

- RSGB's
Radio Communication
Handbook

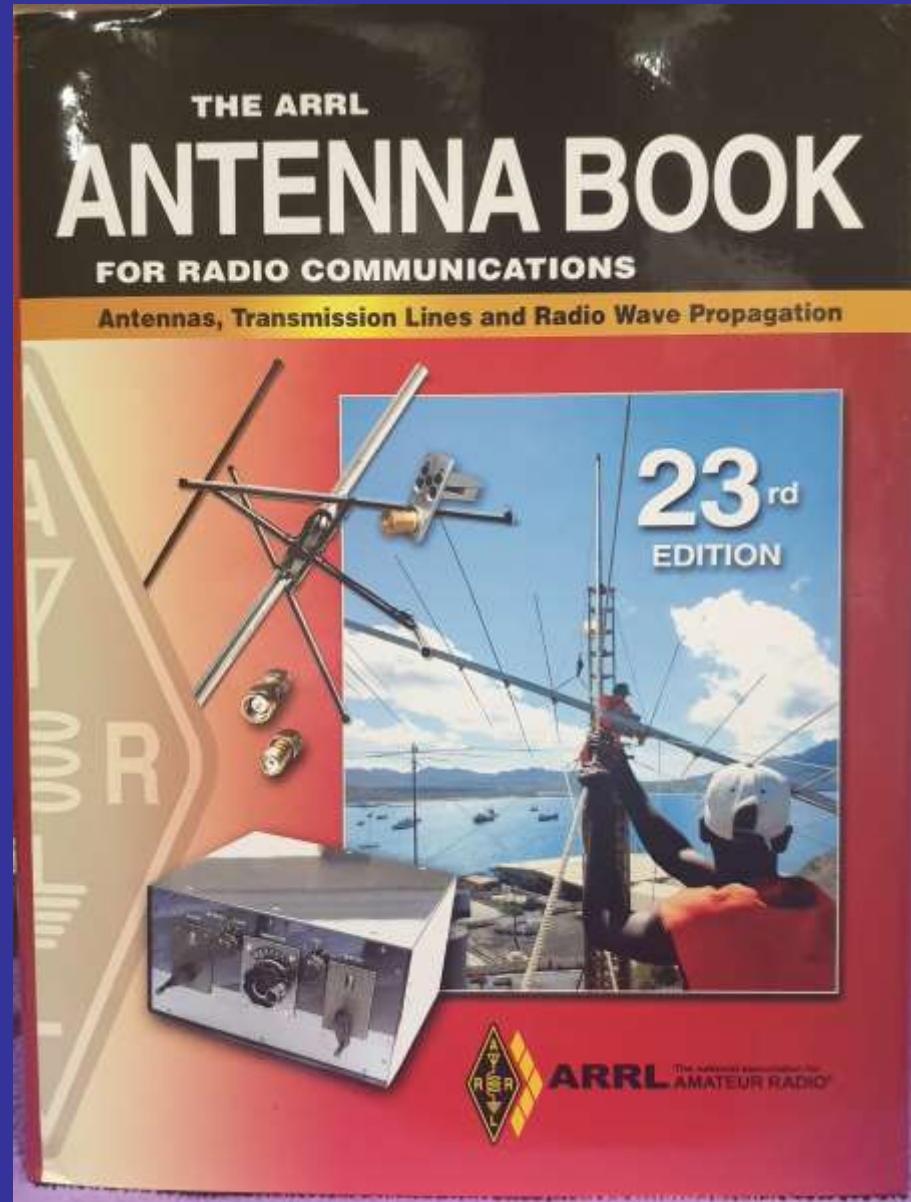


Ham Books General Ham Resource

- **RSGB's Radio Communication Handbook**
 - RSGB 'classic'
 - Similar to ARRL Handbook
 - Less Edition to edition variation
 - Overall I feel a little more technical
but recent ARRL is increasingly technical
 - Getting one tricky RSGB not posting OS currently
CD version UK GBP ~ 30.00 (+post)

Ham Books General Ham Resource

Antenna Book



Ham Books General Ham Resource

Antenna Book

- Classic

- It Covers

 - Antennas to Build – building issues

 - Theory

 - Ground

 - Propagation

 - Transmission line – theory and designs

- Source ARRL USD \$50-65, Amazon AUD \$78,
Kindle AUD \$11

Ham Books General Electronics+

- **Experimental Methods In RF Design**

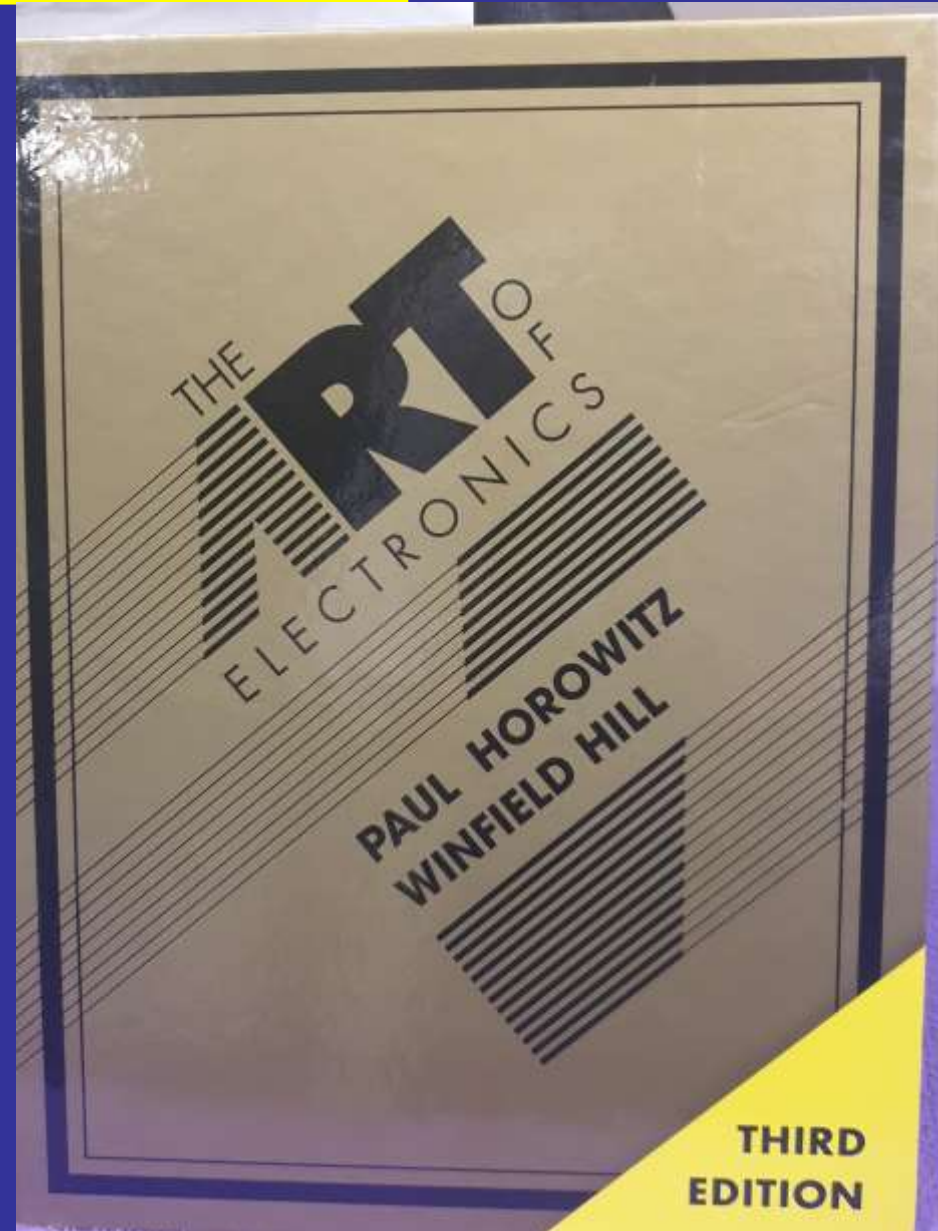
- Amps
- Filters
- Oscillators
- Mixers
- Measuring Equip
- DC Conv Receiver
- Phasing Conv
- DSP
- Field Work
- ARRL USD \$ 50 +post



Ham Books General Electronics+

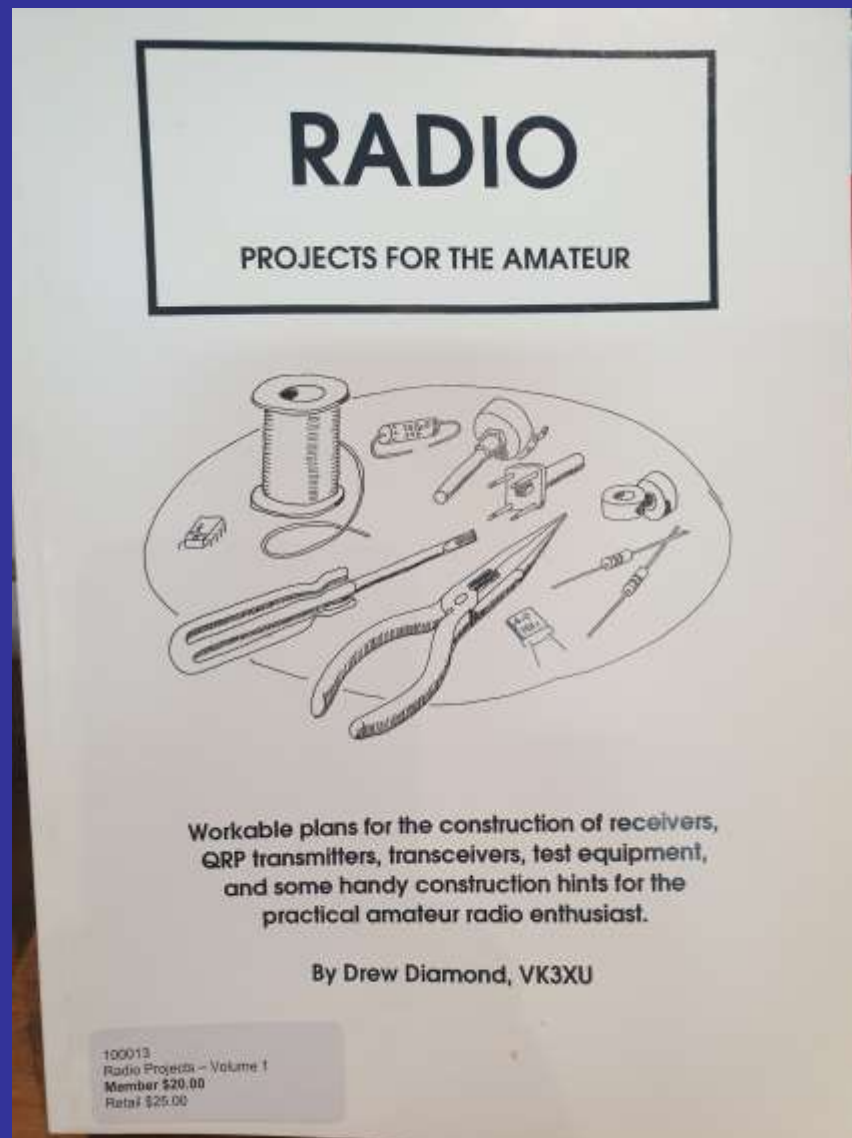
- **The Art of Electronics**

- Basics, V,I,C,L,Semi
- Bipolar Transistors
- FET
- Op Amps
- Filters
- Oscillators
- Low Noise
- Voltage regulation
- Digital – Logic
- A-D D-A
- Computers/Micros
- Angas & R, AUD \$105



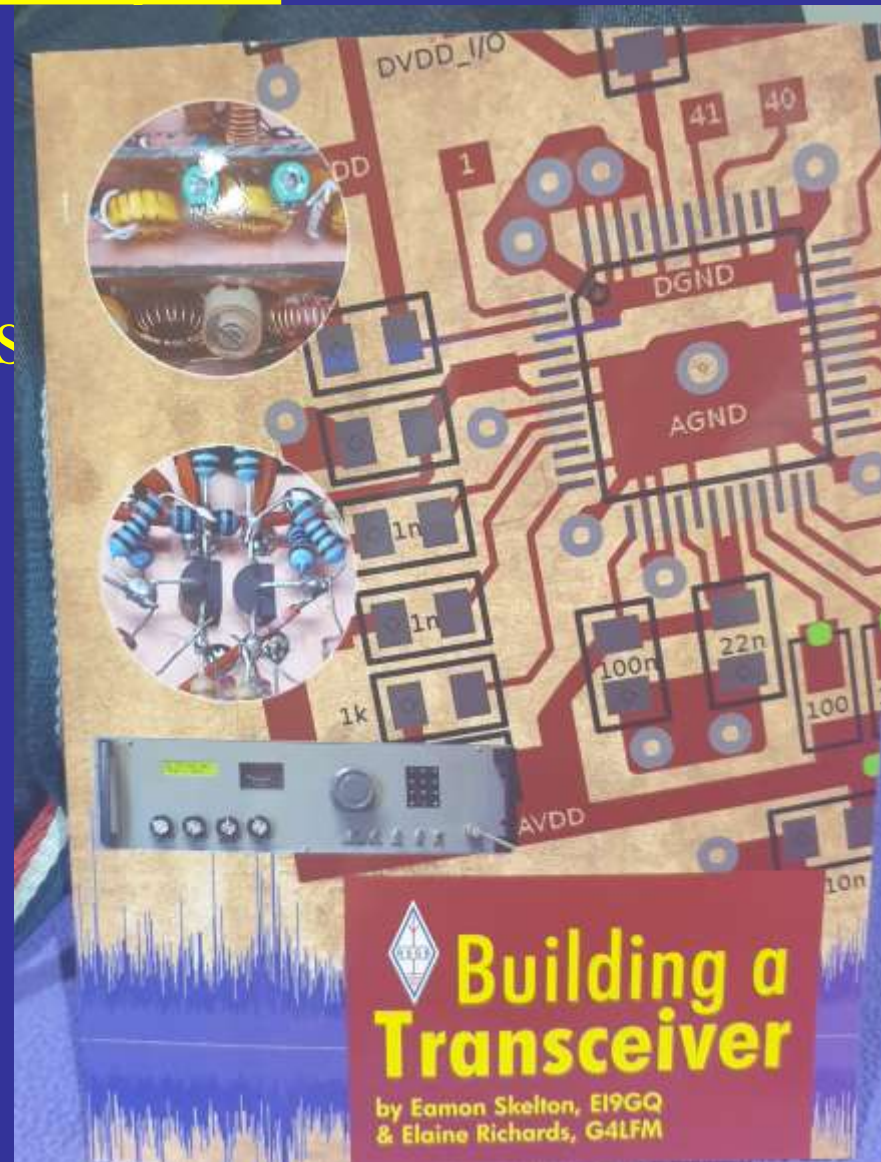
Ham Books Specific Topics

- Building
 - Drew Diamond
 - 4 in the series
 - WIA \$25 (\$30)



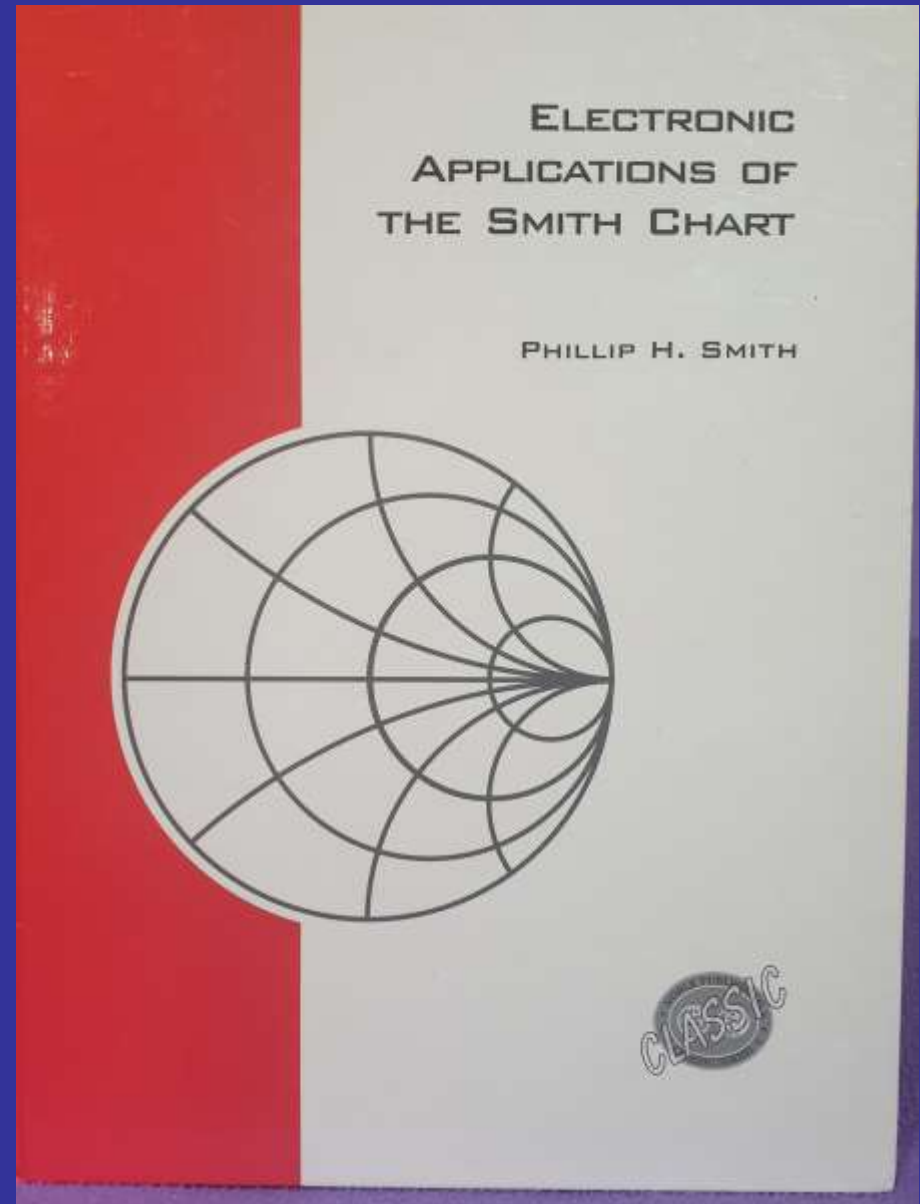
Ham Books Specific Topics

- Building
 - Eamon Skelton
 - Collection of articles from RadCom
 - Educational
 - RSGB GBP 13
 - ARRL USD \$25



Ham Books Specific Topics

- Smith Chart
 - Impedance matching
 - Transmission lines

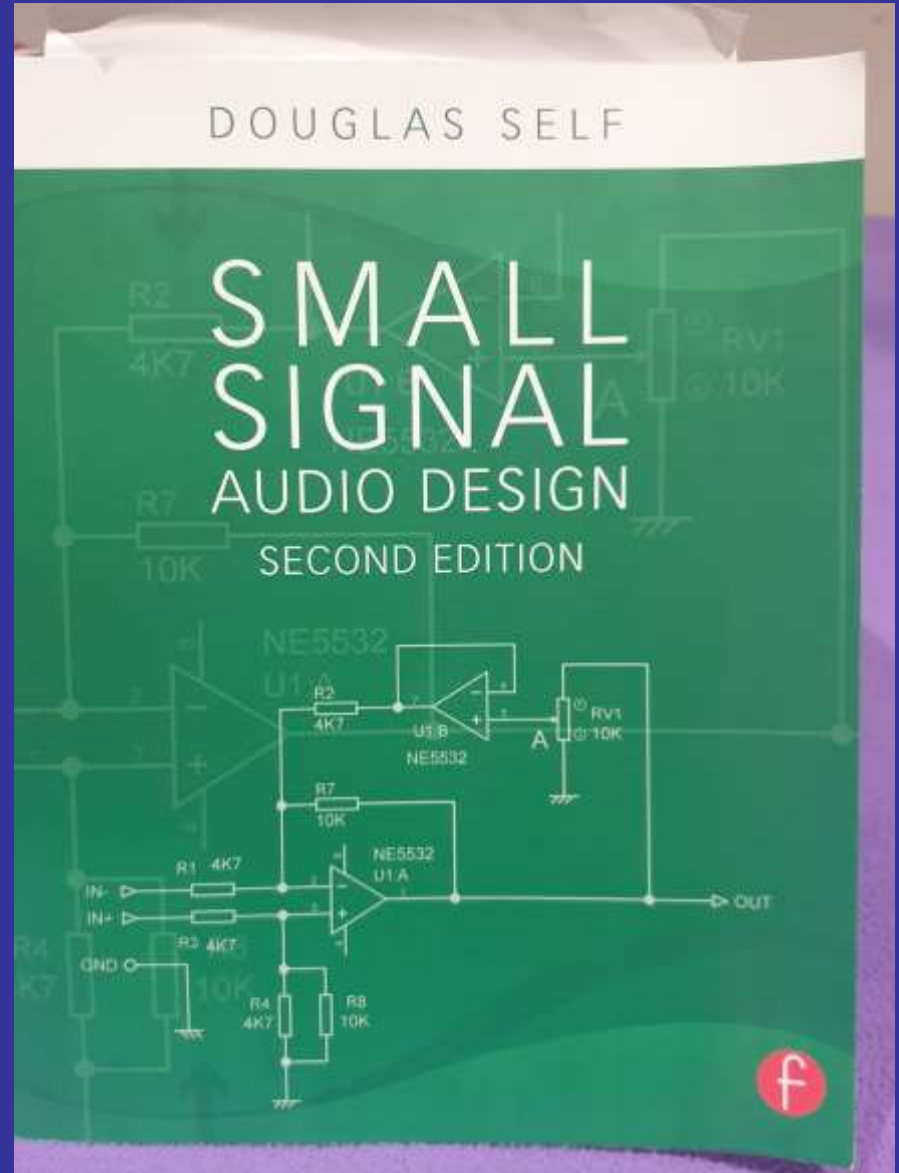


Ham Books Specific Topics

- Audio

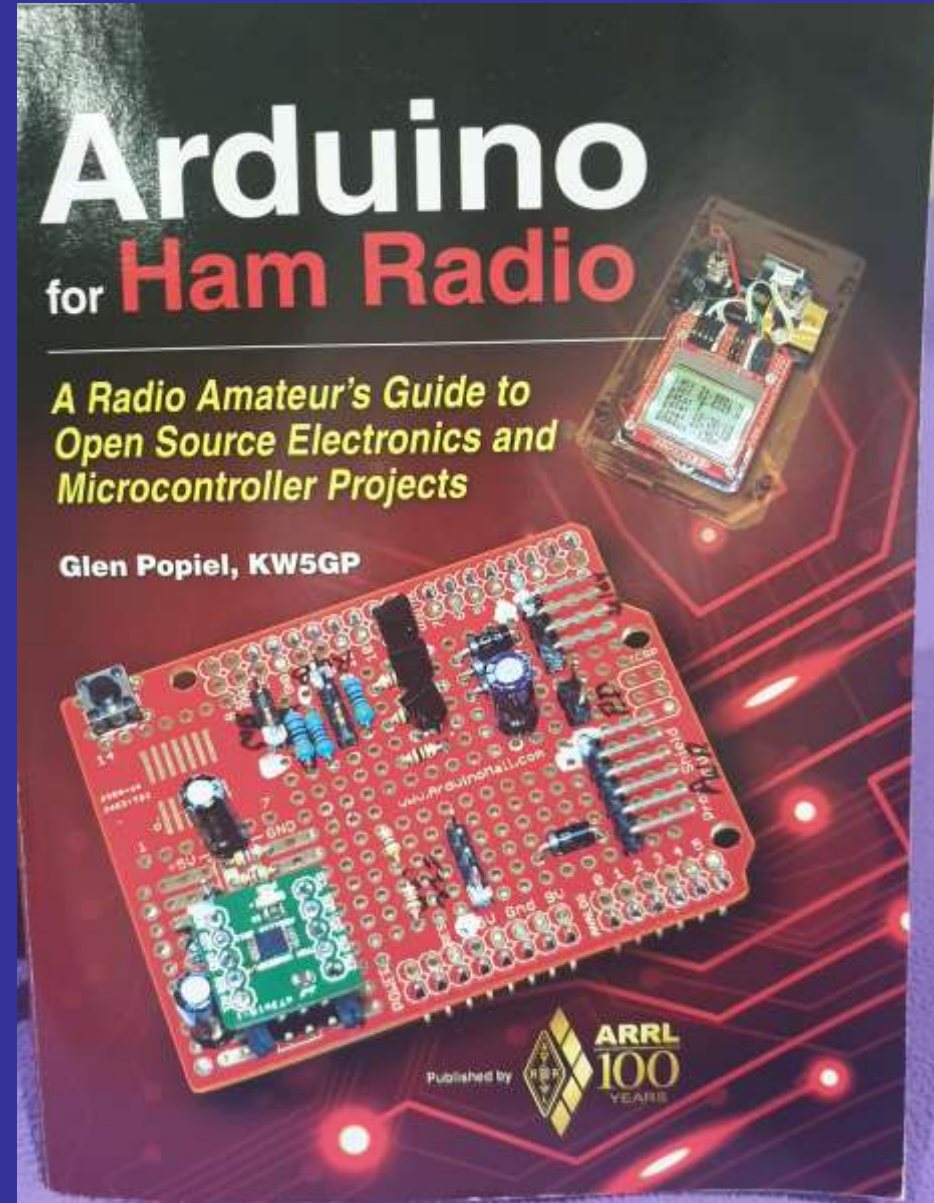
- Doug Self

- Takes Audio seriously



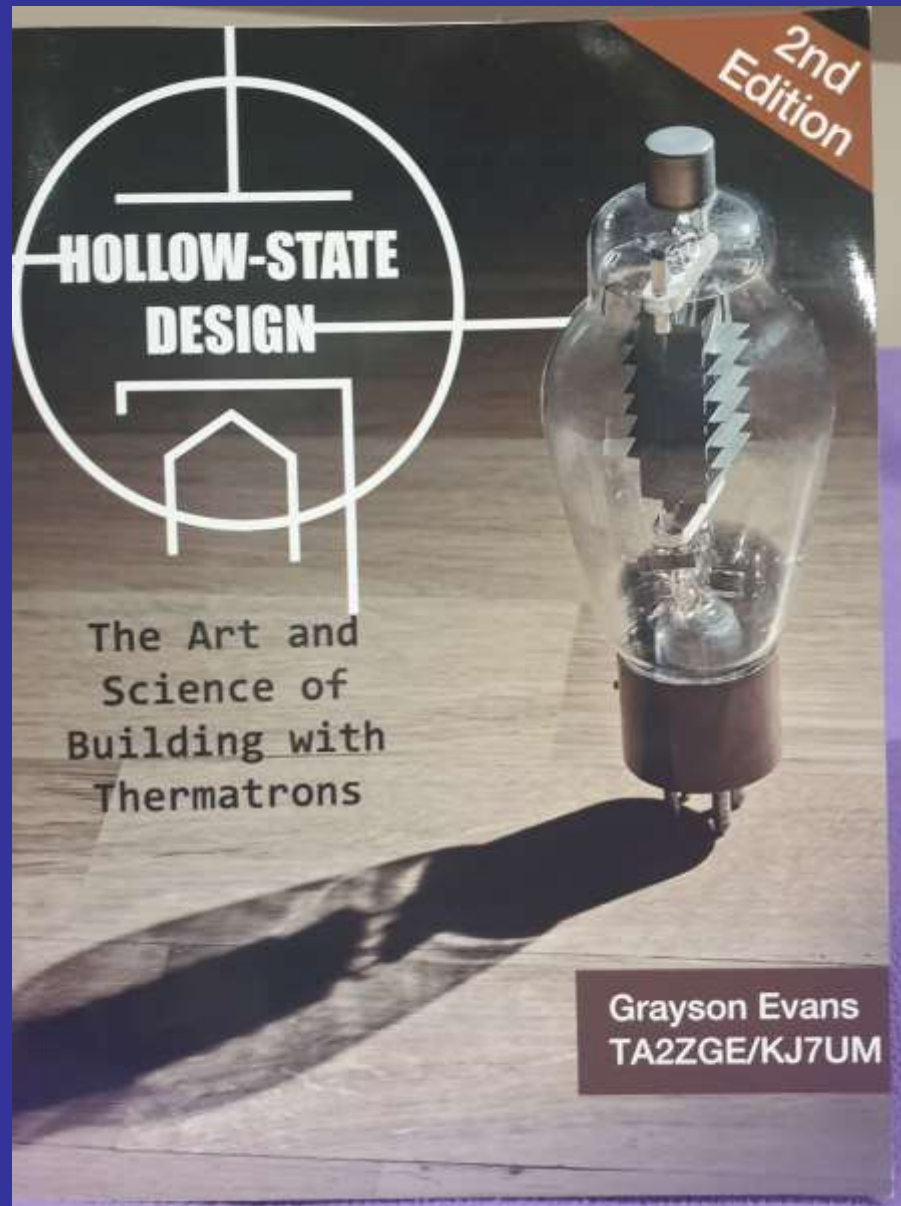
Ham Books Specific Topics

- Arduino
 - 2 books in series
 - simple starter projects
 - online Resources
 - www.Arduino.cc
 - Sparkfun (USA)
 - modules
 - educational videos



Ham Books Specific Topics

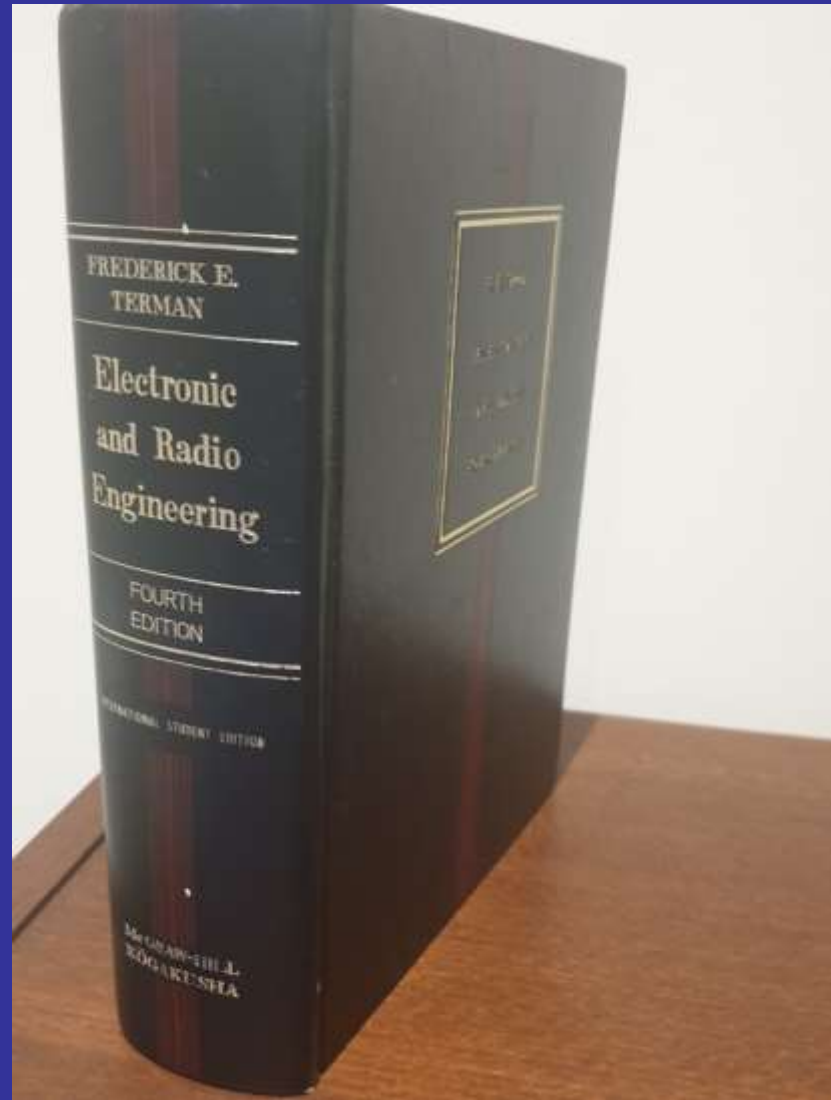
- Tubes !



Ham Books Specific Topics

- F.E. Terman

WHY?



Ham Books Specific Topics

- Really good Online Papers, FREE
- Tektronix; Trouble Shooting Your Oscilloscope
- Keysight; Application Notes
 - AN 57-2; Noise Figure Measurement Accuracy,
The Y method
 - AN 150-1; Phase Noise 101, basics, application
& measurement
 - Navy SWR paper; A Reflectometer for the HF
band, O Norgoden, 1949
 - The Service Manual of your Tranceiver / Gear
esp Theory of Operation