



Newsletter #50 May 2018

- Juma has released the Gerber files for some of its obsolete designs.
<http://www.jumaradio.com>
- A very simple field strength meter for antenna field testing.
https://ve7sar.blogspot.com.au/2018/03/a-simple-field-strength-meter.html?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter
- The Website of Paul Harden NA5N disappeared a while ago but here is a link to some of it.
<https://web.archive.org/web/20170628004141/http://www.aoc.nrao.edu/~pharden/hobby/Hobby.shtml> He may reinstate it on a new site some time soon?
- Another source with sample projects.
<http://www.foxcomputer.se/The%20Handyman's%20Guide%20to%20Manhattan%20Style.pdf>
- The VK5JST “Q” Meter from Amateur Radio Magazine
<http://www.users.on.net/~endsodds/qm.htm>
- Some home brew test equipment ideas.
https://www.dxzone.com/catalog/Technical_Reference/Test_Equipment/
- Have you tried CubicSDR yet? Works in Linux, WINDOWS and OSX and with RTL-SDR dongles.....it's a nice alternative if you don't like GQRX
<https://cubicsdr.com/>
- Or PLSDR perhaps? <https://arachnoid.com/PLSDR/index.html>
- BALUN's do you need one and why? From SOTABEAMS some not so light reading to explain. <http://owenduffy.net/blog/?p=12288>
<http://static.dxengineering.com/pdf/Choosing%20the%20Correct%20Balun.pdf>
http://www.na0tc.org/lib/exe/fetch.php?media=technical:balun_p2_website.pdf
- Everything you did not want to know about LED matrix panels explained by SparkFun. https://www.sparkfun.com/sparkx/blog/2650?utm_campaign=SparkX%20Subscriber&utm_source=hs_email&utm_medium=email&utm_content=61754399&hsenc=p2ANqtz-8UVUE-VzmFTerl7Kc_KKaWr45mLfHDPP2MGerEupYk_VSlYjKZ-tGzmk-VYO-xlixzUUdWHcZajtKZz8T_GekjUPckA&hsmi=61754399
- Measuring SWR for beginners.
https://www.dxzone.com/catalog/Technical_Reference/SWR_Meters/
- Another Digital SWR/Power meter, designed for QRP but adaptable to higher power levels. <https://sites.google.com/view/kn9b/digital-swr-meter?authuser=0>
- A multi band HF Antenna for a reasonable SWR and “simple” matching.
<https://www.surriel.com/radio/multi-band-hf-loop-antenna>

- More antennas - multi band Fan dipoles -
<http://www.radiowymsey.org/FanDipole/fandipole.htm>
<http://www.qsl.net/na4it/fandipole/fandipole.html>
<http://www.glagowski.org/Radio/Antennas%20%20thru%2010%20Meter%20Fan%20Dipole.htm>
<https://www.dxzone.com/dx30445/20-thru-10-meter-fan-dipole.html>
https://www.dxzone.com/catalog/Antennas/Fan_Dipole/
- How to build professional looking project enclosures with pcb material by Chuck K7QO https://qrpguys.com/wp-content/uploads/2016/11/pcb_chassis_a.pdf
- How to build sheet aluminum enclosures by Chuck K7QO <https://www.youtube.com/watch?v=SOykk0CGNg>
- Do you use the local Reverse Beacon Network sites? VK2CBD, VK2GEL, VK3FFB, VK4CT, VK4RJ, ZL2RV or ZL4YL. Or DX sites perhaps? <http://www.reversebeacon.net/index.php>
- Thunder storm activity in your area? http://en.blitzortung.org/live_lightning_maps.php?map=20
- If you enjoyed the talk by Joe and Julie at the April 2018 Home brewer meeting, then try Micro Python Tutorials here. <https://www.tutorialspoint.com/python/index.htm>
- Another antenna rotator controller system using an Arduino 2560 mega and 3.2" LCD display. <http://100nf.blogspot.com.au/2016/06/arduino-mega2560-based-antenna-rotator.html>
- Another construction style from M0XPD - solderless bread board modular construction. <http://m0xpd.blogspot.com.au/search?q=BitX+modules> the RF purist will frown but it works.
- Considering a Morse Code Keyer to buy/build? https://github.com/k3ng/k3ng_cw_keyer/wiki and <https://nanokeyer.wordpress.com/downloads-3/>
- The Arduino Mega 2560 version of the K3NG Keyer in full detail. https://groups.io/g/radioartisan/attachment/8289/0/Arduino%20Manual_Eng%20K3NG_CW_Keyer_v5.3.pdf
- From the QRP guys - a kit or home brew a copy of a multi band EFHA and tuner. <https://qrpguys.com/qrpguys-multi-band-end-fed-antenna>
- 75 minutes with Joe Taylor K1JT on WSJT-X https://www.youtube.com/watch?v=233HQs_8JGQ https://www.youtube.com/watch?v=233HQs_8JGQ&feature=youtu.be
- A simple CW Transmitter 160 - 10M <https://sites.google.com/site/g0ftdradio/iron-fist-tx-5w>
- J-Pole or Slim Jim for VHF/UHF? 50 or 75 ohm cables? Price or performance? No size fits all! <http://www.jpole-antenna.com/2012/10/21/slim-jim-vs-j-pole-antennas/>
- Dual band Slim Jim antenna for 2M/70cm. <http://www.n9tax.com/Slim%20Jim%20Info.html>
- A little more information - https://en.wikipedia.org/wiki/J-pole_antenna
- An 80M/60M trapped vertical for your squid pole portable operations, Kit or copy the design. <https://qrpguys.com/qrpguys-portable-80-60m-vertical-antenna>
- A QRP step attenuator copy or purchase. <https://qrpguys.com/qrpguys-31-db-step-attenuator>

- Dual band Yagii 2M/70cm 4 element, 5 element and 9 element designs.
http://www.wb5cxc.com/dualv_ant.html
- Some interesting sites to fill the winter evenings. <http://qsl.net/n5ib/>
- Designing Class E Amplifiers by Dan Tayloe N7VE
http://www.norcalqrp.org/files/Class_E_Amplifiers.pdf
- A QRP LED SWR Indicator by the QRPkits. Max power level is 5W.
<http://www.qrpkits.com/files/LED%20SWR%20v3.pdf>
- Some more winter reading thoughts to keep you warm.
<https://sites.google.com/site/g0ftdradio/iron-fist-tx-5w> and other projects.
- For the designers among us, “H Mode mixer front ends”.
<http://martein.home.xs4all.nl/pa3ake/hmode/index.html> other links may be of interest also.

73 Ian VK3LA