



Newsletter March 2019

- Stepper motor instructable. http://www.ustepper.com/index/?page_id=197
- Some links to MF and LF topics. <http://www.472khz.org/> and <http://njdtechnologies.net/>
- Short Dipoles and G5RV antennas analysed by Charles W8JI. https://www.w8ji.com/short_dipoles_and_problems.htm
- The most recent version from Igor VA3ZNW of Antentop free eMagazine was March last year. <http://www.antentop.org/> many sections on a variety of subjects.
- EFHW Antenna presentation <http://gnarc.org/wp-content/uploads/The-End-Fed-Half-Wave-Antenna.pdf>
- From Chuck K7QO, storage ideas for components. <http://tinyurl.com/yccarcoy>
- The first few pages (3 – 10) of the Current issue (#247 Jan 2019) of the NAQCC News Letter may interest QRP and portable operators http://www.naqcc.info/newsletter_current_lores.pdf
- From qrp-tech@groups.io Digest #480, Identifying SMD devices made a little easier - <https://www.sphere.bc.ca/download/smd-codebook.pdf> 80 pages.
- Suggested Designs for a true EFHW (and multiples) impedance matching transformers and some random wires. <https://drive.google.com/file/d/0BwFicJLV004jWHRsU0JiU1NZTk0/view> and also <https://www.kn5l.net/Unun/> and <https://www.dxzone.com/catalog/Antennas/Baluns/>
- <https://www.sparkfun.com/products/15057>
- A little bit of light reading from the archives. <https://www.kn5l.net/> and <https://web.archive.org/web/20180808092354/http://www.w5dor.com>
- For BitX and uBITX owners, the new JackAI board and touch screen interface is now ready to build both H/W and S/W are open source so fully customisable if you are so inclined. <http://hamradiodesigns.com/index.php/ubitx-jackal/>
- How to – Program a naked ATMEGA328 chip. <http://www.learnmorsecode.com/ard/index.html>
- The TSW Audio filter for CW, SSB and digital modes. <http://www.w0eb.com/>
- The squeak fixer. <https://www.wd40.com/cool-stuff/history>
- A home brew 2GHz Spectrum Analyser built mostly from eBay Modules for around \$200 <https://groups.io/g/HBTE/topic/28762424#322> (bread boarded but working now)
- Concerned about lightning strikes? SparkFun has a Lightning detector module capable of detecting storm front Lightning up to 40Km away, cheaper than a replacement front end on you Rx. http://www.naqcc.info/newsletter_current_lores.pdf
- Enhancements to the RTLSDR modules. <https://www.qsl.net/pa2ohh/18rtlgrab.htm>
- Online Repeater Maps <https://www.onlinerepeatermap.com/>
- A grabber for QRSS using an RTL and Raspberry Pi. <https://www.qsl.net/pa2ohh/18rtlgrab.htm>
- Modifying a Grid Pack MMDS (2230-2250MHz) Antenna for 2304 or 2403 MHz use. <https://vk4adc.com/web/microwave-projects/62-antennas/89-conifer-grid-pack-feed-mods>

- Build a 26 element 1296MHz Yagii for home or portable use. <https://vk4adc.com/web/vhfuhf-projects/22-1296-antennas/165-23cm-fd-yagi>
- As mentioned in a recent WIA broadcast, the following sites have free eBooks available for download <http://www.gutenberg.org/ebooks/search/?query=radio> and also https://en.wikipedia.org/wiki/Archie_Frederick_Collins
- The mono band EFHW no Balun antenna. <https://groups.io/g/grp-tech/files/KI4IO/100%20degree%20antenna%20%28JPG%29.pdf>
- An experimental update for the QCX kit to produce a SSB/CW version with Class E output for improved efficiency and full HF bands coverage. <https://github.com/threeme3/QCX-SSB>
- Portable antennas for field day use. <https://www.dxzone.com/catalog/Antennas/Portable/>
- Are you multi lingual? Try “Go” for QRSS, FSK or DFCW. <https://github.com/strickyak/qrss-squeak>
- A \$5 portable 2M Yagii for your handheld radio by Evgueni, F4HWK. His Blog has a 70cm unit also. <https://www.instructables.com/id/DIY-5-Portable-VHF-Yagi-Antenna-for-the-2-Meter-Ba/>
- The MiniTioune Rx from Jean-Pierre F6DZP, Satellite and TV receiver using a Windows PC as announced on March 4 this year. <https://wiki.batc.org.uk/MiniTioune>
- From the Nuts and Volts Magazine, “Filter Design Software” 6 or 7 to choose from and guidance to selection of style. <http://www.nutsvolts.com/magazine/article/filter-design-software>
- The first 8 or 10 pages may interest you? http://www.naqcc.info/newsletter_current_lores.pdf
- A handy link list from David N8DAH for some kits and projects - <http://kit-projects.com/>
- An azimuthal map showing equidistant places from your QTH, drag the centre to your location. From Jack W8TEE on QRPLabs <http://rogerallen.github.io/webgl/2014/01/27/azimuthal-equidistant-projection/>
- Designing copper Pipe Cap filters for the GHz bands explained. http://www.w1ghz.org/filter/Pipe-cap_Filters_Revisited.pdf
- Designing Cavity Filters for the 1GHz – 4GHz ranges by **Matjaž Vidmar, S53MV**. <http://lea.hamradio.si/~s53mv/cavity/cavity.html>
- Some interesting discussion on the [HBTE@groups.io Digest #18](http://groups.io/leasdigest) about Spectrum Analyser design, filters, cavities and issues on the GHz frequency range experiments for interested home brewers.
- From Analog.com - their design notes for the 3 quarter last year. 72 pages on a dozen subjects. https://www.analog.com/media/en/analog-dialogue/volume-52/number-3/volume52-number3.pdf?8449&ADICID=EMAL_WW_P1274_SUB-NL-PN_492&elqTrackId=315610b4ba1343c5b6f96993bebbe8d6&elq=45452b4c7d714f82b2188730b2f05fbb&elqaid=8449&elqat=1&elqCampaignId=4989
- Calculators for almost everything electronic. <https://www.microwaves101.com/calculators> and a XL Spreadsheet for harmonic spurs and others also.
- Elektor this month reviews Kicad PCB Design in a Book Review and recommends the program. <https://www.elektor.nl/kicad-like-a-pro-e-book>

R I P the Rev George Dobbs G3RJV, the QRP legend and originator of the SPRAT magazine who passed away on March 12 this year and became a silent Key, he will be missed by many.

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