



Newsletter November 2018

- Re-visiting the Off Centre Fed Multi Band dipole by Serge Stroobandt ON4AA. <http://qrznow.com/six-band-hf-center-loaded-center-fed-dipole-on4aa/>
- Remote ATUs from the ARRL's "The Doctor is in". <http://qrznow.com/remote-antenna-tuners-podcast-arrrl-the-doctor-is-in/>
- From Analog Technologies, the history of Receivers. <http://www.analog.com/media/en/analog-dialogue/volume-52/number-3/a-selected-history-on-receiver-innovations-over-the-last-100-years.pdf>
- "Directional Couplers" from Analog Devices, with ADL5920 devices, pages 27 -33 in http://www.analog.com/media/en/analog-dialogue/volume-52/number-2/volume52-number2.pdf?ADICID=EMAL_WW_P1274_SUB-NL-PN_352&7884
- Looking to build something for the Shack? <https://www.qsl.net/ve7jpc/testequ.htm> or even <http://www.n5dux.com/ham/files/pdf/index.php> for other options.
- A somewhat different antenna; compact, multi band, low visual impact antenna - <https://cowell-coax-antenna2.webs.com/> (it looks like some form of Plumbers Miracle to me but what do I know?)
- A 10MHz reference from CWTD http://cwtd.org/CWTD_GPSDO/index.html
- End fed antennas explained by W8JI, why you may need a counterpoise. https://www.w8ji.com/end-fed_1_2_wave_matching_system_end%20feed.htm
- Using other diodes as Varicaps, a Measurement adaptor for LC Meters. <https://qsl.net/n5ib/Varactor%20Adapter%20for%20AADE%20LC%20Meter.pdf>
- Yet another VNA by IZ1PMX. https://www.qsl.net/yo4hfu/VNA_IZ1PMX.html
- An inexpensive 30MHz to 6GHz design VNA design explained. <http://hforsten.com/cheap-homemade-30-mhz-6-ghz-vector-network-analyzer.html> and <http://blog.oshpark.com/2016/08/25/diy-vector-network-analyzer/>
- Another look at the Beric Dunn K6BEZ Antenna Analyzer. http://www.hamstack.com/project_antenna_analyzer.html
- Add a Spectrum Analyzer facility to your CRO? From the 73 Amateur Radio Magazine of Feb. 1990. <https://drive.google.com/file/d/1WXvD52BhI0IC6YRMt1Gcd6fRyeOWell/preview>
- Another circuit for the Sweep Generator. http://va3ndo.tripod.com/spectrum_analyzer.html
- The Sept/Oct. edition of Elektor has an article on SDR reception of digital signals using an Arduino SDR Shield 2. <https://www.elektor.com/arduino/shields> PCB's and assemblies are available from Elektor. <https://www.elektor.com/elektor-sdr-shield-2-0-module-170515-91>
- Interested in MF/LF? This site has a few interesting ideas. <http://njdtechnologies.net/> apart from the Transverter, mostly home brewed.
- Learning PCB design with DesignSpark tutorials, 20 youtube videos for laying out the circuit, the PCB, the BoM and cabinets etc. <https://www.rs-online.com/designspark/pcb-software>
- FT8Call explained in a 15 minute video by [Julian OH8STN](http://oh8stn.org/blog/2018/09/25/ft8call-for-grid-down-communications/). <http://oh8stn.org/blog/2018/09/25/ft8call-for-grid-down-communications/>

- Yet another VNA Project proposal. https://bitbucket.org/kuchura/eu1ky_aa_v3/wiki/Gallery
- From the RASA blog, the Richard VK5ZLR low cost GPS controlled Frequency Reference. <http://vkradioamateurs.org/low-cost-variable-frequency-gps-locked-reference/>
- From the QRPLabs Group, another Frequency reference idea - <https://groups.io/g/QRPLabs/topic/26746229> GPS locked? Maybe.
- High gain audio amplifier with LM 386 and Darlington pre-amp. <http://www.learnmorsecode.com/grp/lm386sprat.jpg>
- The N6QW Sudden SSB transceiver for 40M (and possibly 20M later) and other rigs. <http://www.n6qw.com/> and explained in detail <http://www.n6qw.com/Sudden.html>
- From Elektor, an interesting view of PCB design and manufacturing tools by Eurocircuit. https://www.elektormagazine.com/news/dirk-stans-on-pcb-services?language=en&utm_source=Elektor+International+%28English%29&utm_campaign=7900adcd81-EMAIL_CAMPAIGN_10_11_2018_11_37&utm_medium=email&utm_term=0_23bd160f48-7900adcd81-240728285&mc_cid=7900adcd81&mc_eid=cfa893b075
- In the Groups.io QRPLabs site recently there has been much discussion on the stabilizing of the Si 5351 clock on the Progrok Kit applicable to other applications perhaps. <https://groups.io/g/QRPLabs/topic/27152548>
- Know your capacitor types and usage. <http://www.gqrp.com/na5n.pdf>
- How microprocessors work explained, in this case, the Motorola 68HC11 and variations. https://www.clear.rice.edu/elec201/Book/6811_asm.html
- From the GQRP Buildathon this year, the “RF Swiss Army Knife” Project by Heather MOHMO. www.myorangedragon.com under the Amateur Radio segment. Build instructions, Gerbers and Arduino code etc.
- From GOFTD, a “LED-O-Meter”, like a Logic Probe but for RF to 433MHz instead of volts. <https://sites.google.com/site/andyg0ftd/led-o-meter> use it for tuning etc.
- A new Power & SWR Meter from Loftur Jonasson TF3LJ/VE2LJX, touch controlled on screen, micro W - 500W <https://sites.google.com/site/lofturj/power-and-swr-meter---rev> and <https://www.youtube.com/watch?v=O-yHLSIGbhl&feature=youtu.be>
- “Understanding Antennas” a free PDF book by Jim N4JA 64 pages. <http://www.hamuniverse.com/n4jaantennabook.pdf>
- SWR explained and how to measure it. Another measuring technique - <https://www.maximintegrated.com/en/app-notes/index.mvp/id/5432>
- The FAA450 Antenna Analyzer HF/VHF (UHF) design by EU1KY <https://www.elekitsorparts.com/product/faa-450-antenna-analyzer-eu1ky/>
- The QRP Guys are now offering an add-on Tilt Bail Kit (for 2 cabinet sets) to fit to your latest project. <https://qrpguys.com/chassis-tilt-bail> along with 50 other projects for the Shack <https://qrpguys.com/>

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Feed back, positive or negative is always welcome.