



## Newsletter May 2019

- Analog Devices has released some new devices for the UHF and SHF bands in their March edition of the RF and Microwave Source. <https://www.analog.com/en/index.html>
- If you like to keep up to date on the latest devices and technologies then this service from Analog Devices may interest you. <https://www.analog.com/en/landing-pages/001/new-my-analog-experience.html>
- Design Spark has an “Introduction to DSP” series of instructions continuing with the “How” this issue. [https://www.rs-online.com/designspark/getting-into-digital-signal-processing-sampling-aliasing?cm\\_mmc=AU-EM--DSN\\_20190325--DM198991--HB\\_URL&cid=DM198991&bid=961577306](https://www.rs-online.com/designspark/getting-into-digital-signal-processing-sampling-aliasing?cm_mmc=AU-EM--DSN_20190325--DM198991--HB_URL&cid=DM198991&bid=961577306)
- Understand “5G”? I only thought that I did. <https://www.rs-online.com/designspark/buckle-up-5g-is-almost-here>
- If you are interested in Si5351, WSPR or code generation applications then the blog on <https://groups.io/g/QRPLabs/topic/30439827> may feed your curiosity and point you in a different direction perhaps.
- A BFO and/or VFO using a Si5351 controlled by Arduino and OLED display, demonstrated on Youtube. <https://www.youtube.com/watch?v=pFDvck5EAK&feature=youtu.be>
- qrp-tech@groups.io Digest #548 has some interesting comments on the choices for LiPo cells and batteries regarding the quality, life and charge choices to be considered before purchase.
- Design Spark continues the project - Building a Valve Amplifier Part 1 & 2. <https://www.rs-online.com/designspark/building-a-valve-amplifier-part-2-single-channel-prototype-and-loudspeakers-assembly>
- The April 1 “Nuts and Volts” newsletter has some interesting articles including a Garage Parking monitor that you can build. <http://nutsvolts.texterity.com/nutsvolts/201508/?folio=34&pg=34#pg34>
- A recent RP-Labs note by [Graham ve3gtc](#), gave the steps to programming many chip types with Arduino or other micros using Windows or Linux <https://groups.io/g/QRPLabs/topic/3825898>
- Need a CPO and/or a Morse Trainer? Look at the unit designed by Jack W8TEE, this is his subject at FDIM this year, and the project should be available by the time you get to read this News Letter. <https://groups.io/g/QRPLabs/topic/30810754#33031>
- Kite lifted antenna ideas include this pattern, “The Scott Sled” with photos and drawings. <https://www.kiteplans.org/planos/hombrebrew/hombrebrew.html>
- A HF wide band WebSDR for Smart Phones and Tablets (Android, Windows 10 or IOS) is available from the University of Twente’s site. <http://websdr.ewi.utwente.nl:8901/m.html>

- From Hackster.io, An under bed light system to keep you safe at night without waking up the whole household. [https://www.hackster.io/t3chflicks/motion-sensing-under-bed-lights-afe384?utm\\_source=Hackster.io+newsletter&utm\\_campaign=64dd187a9d-EMAIL\\_CAMPAIGN\\_2019\\_02\\_14\\_02\\_53\\_COPY\\_01&utm\\_medium=email&utm\\_term=0\\_6ff81e3e5b-64dd187a9d-142874281&mc\\_cid=64dd187a9d&mc\\_eid=0e6441f57b](https://www.hackster.io/t3chflicks/motion-sensing-under-bed-lights-afe384?utm_source=Hackster.io+newsletter&utm_campaign=64dd187a9d-EMAIL_CAMPAIGN_2019_02_14_02_53_COPY_01&utm_medium=email&utm_term=0_6ff81e3e5b-64dd187a9d-142874281&mc_cid=64dd187a9d&mc_eid=0e6441f57b)
- Hackster.io has some interesting tutorials on electronic basics and other projects. [https://www.hackster.io/circuit-diy/transistor-as-a-switch-bc547-electronic-tutorial-ada654?utm\\_campaign=new\\_projects&utm\\_content=0&utm\\_medium=email&utm\\_source=hackster&utm\\_term=project\\_name](https://www.hackster.io/circuit-diy/transistor-as-a-switch-bc547-electronic-tutorial-ada654?utm_campaign=new_projects&utm_content=0&utm_medium=email&utm_source=hackster&utm_term=project_name)
- A modular “Auto Antenna Tuner” by Dan KW4TI <https://github.com/profdc9/ModularTuner>
- Interested or curious about LINUX, start here perhaps. <https://www.linux.org/>
- Tutorials on analogue circuits for recent graduate engineers. <https://www.analog.com/en/analog-dialogue/studentzone.html>
- Own a 3D printer or have access to one? Here are some Ham related designs to print for starters. From [qrp-tech] qrp-tech@groups.io Digest #559 <https://www.thingiverse.com/ok1cdj/designs> and <https://www.yeggi.com/q/ham+radio/?s=tt>
- From the “Nuts and Volts” Magazine of April 10 2019, Radio discoveries and the discoverers. <https://www.nutsvolts.com/magazine/article/the-discovery-of-radio-waves>
- For a 30MHz-4GHz Oscillator perhaps the ADF4351 may be suitable. Description and Application Note at <https://www.analog.com/media/en/technical-documentation/data-sheets/ADF4351.pdf>
- Another blog from a “local” for home brew projects. <https://zl2ctm.blogspot.com/>
- From Anthony F4GOH again, using a wave form generator to produce Digital Modes. <https://hamprojects.wordpress.com/2018/10/21/fy-6800-generator-as-beacon/>
- “Arduino for Ham Radio” a book to guide you along the way to building controllers for all types of devices. <https://drive.google.com/file/d/1LUl6l6bK4auSaN1En4W8qMXUYPL6Tmzr/view>

This is the last of the News Letters that I will produce for the “Amateur Radio Victoria Homebrew Group”.

I started to produce this list of links in 2013, in the hope of encouraging the building of more projects by this group and others but it seems that it was all in vein. With very little feed back and few comments to encourage me, and after more than 5 years and thousands of hours of research, I have lost interest in continuing the effort as it has not resulted in the development of more than a couple of projects for the Group in all that time.

Am I disappointed, yes a little, surprised, no not really it seems to be a similar story throughout the world. The loss of Radio Shack, Tandy, DSE and others is evidence of that shrinking market.

I hope someone else will take up the challenge to follow a different track perhaps that may produce more successful results in the future.

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