



Homebrew Group Newsletter
#63 April 2019

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- Gippstech is a gathering of technically orientated minds each year in July, which is sure to inspire innovation and produce a few new ideas for the following year. For those who have not been able to attend in the past the following link might wet the appetite.

<https://www.youtube.com/watch?v=mp33cIY38ck>

- Amongst the presentations was a project produced by VK5APN which is sure to be a boon to the SOTA and microwave enthusiasts alike.

http://people.aapt.net.au/~pearsons/Grid_Square_Display.html

- Amateur television has long since made the transition to a digital format and this link provides an introduction to the techniques involved.

<https://www.youtube.com/watch?v=5WqqeEgHtlw>

- F5OEO documents a Raspberry Pi based DVB-S transmitter.

<https://github.com/F50E0/rpidatv>

- An FT8 monitor receiver that frees up the main rig.

<https://easyeda.com/3ym3ym/ft8-monitoring-receiver>

Thanks to Ian Downie for this link.

- A graphic illustration of the need for a balun when feeding a balanced antenna with coax. Thanks again Ian.

<https://www.youtube.com/watch?v=QF0x7vjchy0>

- From Eric VK3AEC comes an idea for neatly storing cables.



- Also from Eric a link to an explanation of radio propagation
http://k9la.us/Propagation_101_23Sep07.pdf
- A home-brewed version of the FT meter sold an accessory to the FT857/FT897
http://www.pi4frg.nl/857meter_eng.htm
- A pull up portable mast made from discarded irrigation pipe
<http://www.aprs.org/Antenna-lpipe.html>
- Homebrew open wire feeder
<http://www.spirat.com.au/vk5zvs/pic22.htm>

- VHF/UHF preamps with the minimum of parts.

[https://www.w6pql.com/LNAs%20\(preamps\)%20and%20MMICs.htm](https://www.w6pql.com/LNAs%20(preamps)%20and%20MMICs.htm)

- Inexpensive relays for RF switching

https://www.w6pql.com/using_inexpensive_relays.htm

Please send your contributions to:

homebrew@amateurradio.com.au

A thought for the week:

“A pile of rocks ceases to be a rock when somebody contemplates it with the idea of a cathedral in mind.”

- Antoine St. Exupery

73's

Rob VK3MQ