

TLARC Build-A-Thon Master List

1. Easy SWR Bridge -- <https://www.qrpkits.com/ezswr.html>
2. Elsie (L-C) Meter -- <https://amqrp.org/elsie-kit/>
3. Tin Ear Receiver Kit -- <https://amqrp.org/tinear-receiver-kit/>
4. [An Easy Dual-Band VHF/UHF Twinlead J-Pole Antenna](#) – (See link)
5. Digital Dial -- <https://www.qrpkits.com/freqcounter.html>
6. Rookey – Remote On/Off Keyer -- <https://midnightdesignsolutions.com/rookey/>
7. Microphone -- <https://www.qrpkits.com/microphone.html>
8. KD1JV Code Trainer -- <https://qrpguys.com/qrpguys-code-trainer>
9. Tenna Dipper -- <https://www.qrpkits.com/tennadipperII.html>
10. Battery Status Indicator -- <https://www.qrpkits.com/bsi.html>
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11. AA0ZZ “ZZRX” Receiver -- <https://aa0zz.com/>
12. 40/30/20 Portable Triband Antenna -- <https://qrpguys.com/qrpguys-tri-band-portable-vertical-antenna>
13. Charles Kitchin “Simple Regen Radio for Beginners” ... George’s “regen” folder – also [here](#)
14. Build the “Growler” PICAXE SWR Bridge -- <http://cwtd.org/Feb%2028.html>
15. Rainbow Antenna Tuner & SWR Indicator -- <https://midnightdesignsolutions.com/rainbowtuner/index.html>
16. Voltage Tattler -- <https://www.qrpkits.com/volttattler.html>
17. Midnight Precision Clock -- <https://midnightdesignsolutions.com/mpc/index.html>
18. GPS Disciplined Oscillator -- <https://www.qsl.net/g4aon/gpsdo/>
19. LA3ZA Zero Beat Indicator Kit -- <https://qrpguys.com/la3za-zero-beat-indicator>
20. CA Bling Tail Light Blink Kit -- <https://qrpme.com/?p=product&id=CAB>
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21. Power / SWR Meter -- <https://qrpguys.com/qrpguys-power-swr-dummy-load>
22. R-Pi Pico Clock -- https://www.pcbway.com/project/shareproject/Pico_Clock.html
23. PicoMite Memory Keyer -- <https://midnightdesignsolutions.com/pmk/>
24. Raspberry Pi Video Doorbell -- <https://www.hackster.io/hackershack/smart-doorbell-video-intercom-system-e5aa61#overview>
25. Lightning Detector – (George’s Files)
26. CW Decoder – (George’s Files)
27. CW Beacon & Foxhunt Keyer (George’s Files)
28. Raspberry Pi Zero WiFi-NTP 7-Segment Desktop Clock -- <https://github.com/tenox7/rpiclock>
29. Voice Memory Keyer – (George’s Files)
30. Countdown Timer for Repeater Timeout – (George’s Files)
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31. PA0RDT Active Antenna --- https://www.qsl.net/g4aon/pa0rdt_aa/
32. Use Two Receivers with and Antenna Splitter -- https://www.qsl.net/g4aon/radio_mods/
33. Homemade Full-wave Cu Dual-Band Antenna -- <https://www.youtube.com/watch?v=MYWTxbUW3Rs>
34. Quadrifilar Helix as a 2m Base Station Antenna -- <https://www.repeater-builder.com/antenna/pdf/quadrifilar-helix.pdf>
35. Let’s Build an EFHW Antenna -- <https://hamradiofornontechies.com/lets-build-an-end-fed-half-wave-antenna/>
36. Cheap & Easy 5-Element 70cm Yagi Antenna for Satellite Tracking -- <https://www.youtube.com/watch?v=-rklyt0ILvc>
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37. Power Attenuator -- <https://www.qrpkits.com/poweratten.html>
38. RF Probe -- <https://www.qrpkits.com/rfprobe.html>
39. Easy Transmitter -- <https://www.qrpkits.com/eztransmitter.html>
40. Easy Receiver -- <https://www.qrpkits.com/ezreceiver.html>
41. Mini SWR Indicator -- <https://www.qrpkits.com/miniswr.html>
42. RF Attenuator -- https://www.qrpkits.com/attenuator_11db.html
43. Easy Low Pass Filter -- <https://www.qrpkits.com/ezlowpass.html>
44. Single-Chip Keyer Kit -- <https://www.qrpkits.com/skc.html>
45. Buddy Keyer /Speaker Console -- <https://www.qrpkits.com/buddyconsole.html>
46. Code Practice Oscillator -- <https://www.qrpkits.com/cpo.html>
47. Easy T-R Switch -- <https://www.qrpkits.com/eztrswitch.html>
48. Easy Field Strength Indicator -- <https://www.qrpkits.com/ezfsi.html>
49. Wall Wart Tamer -- <https://www.qrpkits.com/wallwarttamer.html>
50. Tracer / Injector -- <https://www.qrpkits.com/tracerinjectorv2.html>
51. Scout Regen Receiver -- <https://www.qrpkits.com/scoutregen.html> Multi-Z Tuner -- <https://qrpguys.com/multi-tuner>
41. KD1V Simple Keyer Chip -- <https://qrpguys.com/kd1jv-skc-keyer>
42. 10-20-30 dB Switched Attenuator -- <https://qrpguys.com/qrpguys-10-20-30db-switched-attenuator>
43. K7QO Noise Bridge -- <https://qrpguys.com/k7qo-noise-bridge>
44. 12W Dummy Load / Ppower Meter -- <https://qrpguys.com/12w-dummy-load-power-meter>
45. Simple RF Probe -- <https://qrpguys.com/qrpguys-simple-rf-probe>
46. Frequency Marker Generator -- <https://qrpguys.com/k7qo-marker-generator>
47. Active Antenna Spplitter -- <https://qrpguys.com/k8tnd-active-antenna-splitter>
48. TCXO Standard Reference -- <https://qrpguys.com/qrpguys-tcxo-frequency-standard-reference>
49. EZ WSPR Pi Shield -- <https://qrpguys.com/ha7dcd-ez-pi-wspr>
50. LA3ZA Zero Beat Indicator Kit -- <https://qrpguys.com/la3za-zero-beat-indicator>
51. Field Strength Meter -- <https://qrpguys.com/qrpguys-digital-field-strength-meter>
52. Active 600 Hz Audio Filter -- <https://qrpguys.com/qrpguys-active-600hz-audio-filter>
53. CW Announced Frequency Counter -- <https://qrpguys.com/dj3kk-sprat-audio-counter>
54. Digital Dial Frequency Counter -- <https://qrpguys.com/smt-digital-dialcounter>
55. Mini-Keyer V2 -- <https://qrpguys.com/keyer-v2>
56. Single-Lever Peyer/Paddle -- <https://qrpguys.com/mini-keyerpaddle>
57. Crystal Spotter -- https://www.4sqr.com/crystal_spotter.php
58. Super Simple CPO -- <https://www.4sqr.com/sscpo.php>
59. AA0ZZ EZ Keyer -- <https://www.4sqr.com/ek2i.php>
60. HiperMite Active Audio Filter -- <https://www.4sqr.com/hipermite.php>
61. Cric-Key -- <https://www.4sqr.com/crickey.php>
62. EFHW Experimenter Boards -- <https://www.4sqr.com/EFHW.php>
63. 4-S Dummy Load -- <https://www.4sqr.com/4SDL.php>
64. K1SWL Freq-Mite Frequency Counter -- <https://www.4sqr.com/freq-mite.php>
65. Midnight Ultimate Keyer -- <https://midnightdesignsolutions.com/muk/index.html>
66. Kits & Parts SWR Bridge -- <https://www.kitsandparts.com/bridge1.5.php>
67. QLG@ GPS Receiver Kit -- <https://www.qrp-labs.com/qlg2.html>
68. 10W Linear HF Amplifier -- <https://shop.qrp-labs.com/linear>
69. Solid State VXO for Tube Rigs -- <https://amqrp.org/nb6m-tubevxo/>
70. VE3DNL Marker Generator Kit -- <https://amqrp.org/ve3dnl-marker-generator-kit/>
71. Mini-Boots RF Amp -- <https://amqrp.org/nb6m-miniboots/>
72. DIY Coppe Pipe 2m J-Pole Antenna -- <https://mikestechblog.com/build-a-diy-2-meter-j-pole-antenna/>
73. [DIY Dual-Band Cu J-Pole Antenna](#) – (See link)
74. All-Mode, 1 kHz-to-1.7 GHz SDR Receiver – (See George’s RTL Dongle doc)
75. BLT Tuner
76. Fireball40 Transmitter
77. Precision Arduino Clock with Xbee Link -- http://cwtd.org/Precision_Arduino_Clock.html

78. Signal Generator Test Gadget -- <http://cwttd.org/2018-04-10.html>
79. Power Measurement Test Gadget -- <http://cwttd.org/2018-05-08.html>
80. A Homebrew "Alex Loop" -- http://cwttd.org/Jun_17-2014.html
81. Building a 6m Moxon Antenna -- <http://cwttd.org/Oct16.html>
82. Build the Retro SWR Meter -- <http://cwttd.org/Jun5.html>
83. Build the Optical SWR Meter -- <http://cwttd.org/May22.html>
84. Tuna Tin 2 Transmitter -- <https://qrpme.com/?p=product&id=40A>
85. Sudden Storm Receiver -- <https://qrpme.com/?p=product&id=SS6>
86. RockMite-II Skinny Kit -- <https://qrpme.com/?p=product&id=RSK>
87. Limerick Keyer & Paddles Kit -- <https://qrpme.com/?p=product&id=LKP>
88. Programmable Relay Controller -- <https://qrpme.com/?p=product&id=49R>
89. Digital power port -- <https://qrpguys.com/qrpguys-digital-power-port>
90. EFHW Antenna w/o Tuner -- <https://qrpguys.com/end-fed-half-wave-sota-antenna-tuner>
91. EFRW UNUN Antenna -- <https://qrpguys.com/qrpguys-40m-10m-ununantenna>
92. No-Tune EFHW Antenna -- <https://qrpguys.com/qrpguys-end-fed-wire-antenna>
93. Antenna Trap Kit -- <https://qrpguys.com/qrpguys-antenna-trap-kit>
94. Mini No-Tune EFHW Kit -- <https://qrpguys.com/qrpguys-mini-80m-10m-no-tune-end-fed-half-wave-antenna>
95. Multi-Z Tuner -- <https://qrpguys.com/multi-tuner>
96. [IN3 DC-RX](#)... Itty-Bitty (Really!) 40 Meter Receiver
97. [The Ten Tec 1340](#)... 40-Meter CW QRP Transceiver Kit I built (and Mods)
98. [N5ESE Keyer](#)...My homebrew Iambic CMOS Keyer
99. [2 M GP](#)...Check out our 2 meter Portable Ground-Plane (for mag-mount antennas)
100. [Notebook Antenna](#)...For extremely portable indoor HF ops
101. [The DCTL Antenna](#)...another HF ant for portable indoor operation
102. [Norcal SMK-1](#)...a 40-Meter Xcvr in a Surface-Mount kit
103. [Norcal BLT](#)...a Z-Match Antenna Tuner Kit to match the SMK-1
104. [K5JHF MCD](#)...a pocket-sized Morse Tutor for learning CW
105. [SWL Freq-Mite](#)...a morse-annunciated Frequency Counter Kit
106. [WE6W CW Speaker](#)...Here's my prototype of an acoustically resonant speaker
107. [Emtech ZM-2](#)... a nifty little QRP Antenna Tuner Kit I built
108. [Shielded Loop Receiving Antennas](#)...low noise and bi-directional
109. [Portable Solar Power](#)...Here's my 5W Portable Solar Charger Project
110. [Battery Booster](#)...And here's a neat little QRP accessory you can build
111. [GIZMOs](#)... noise gens, rf probes, dummy loads, attenuators, baluns, more...
112. [Az Stinger Singer](#)...Another Morse-encoded Frequency Counter Kit
113. [The Unicounter](#)... a one-eyed Frequency Counter Kit
114. [A QRP Open-Wire/Twinlead Antenna Switch](#)... finally, something truly useful!
115. [N5ESE's Version of the K1EL CW Keyboard](#)...with all the bells and whistles **...UPDATED!!...**
116. [Rebuilding the Ten-Tec Century 21 PTO](#)... fixin' that annoying slippity vernier
117. [A Digital Dial for the TenTec Century 21](#)...utilizing KD1JV's 4-Digit Frequency Counter Kit
118. ["Altoobs" 40 M CW Transmitter](#)...two tubes, two watts, an Altoids tin, and it glows in the dark
119. [A Compact 145-Volt Regulated Supply](#)... for tube-type QRP transmitter and receiver projects
120. [The DK9SQ Portable Telescoping Mast](#)... my notes and observations
121. [A Free-Standing Antenna Frame](#)... for portable QRP antenna masts
122. [The NorCal Nor'Easter](#)... a keen SW Broadcast Receiver Kit of KD1JV design
123. [A Dual Band Rock-Mite](#)... N5ESE packages a dual-band version of K1SWL's teensy CW rig
124. [The Tiny-Tornado](#)... a minimalist CW transceiver kit by KA8MAV
125. [The NoGaWatt](#)... North Georgia QRP Club's fantastic wattmeter kit
126. [The TenTec 1051](#)... a noise bridge T-KIT for antenna tuning.
127. [My Look at the RFD Antenna](#)... or Endfed "Resonant Feedline Dipole"
128. [The KD1JV AT Sprint](#)... an amazingly small 3-band CW transceiver kit
129. [Lightweight, Homebrew Open-wire Feedline](#)... especially for portable ops
130. <https://www.sv1afn.com/en/products/> ... Really good, cool, useful VHF and UHF DIY products

- 131.[2N2/40+](#) ... A 40m, Discrete Component CW Transceiver
- 132.[2N2/40](#) -- <http://norcalgrp.org/files/2N2xx>
- 133.[2N2/XX](#) Kit from NorCal QRP -- <http://norcalgrp.org/nc2n2xx.htm>
- 134.[2N2/XX](#) - NorCal CW Transceiver**
- 135.[2N2/20](#) - 20 Meter CW Transceiver**
- 136.[2N2/30](#) - 30 Meter CW Transceiver**
- 137.[SW30+](#) - 30 Meter CW Transceiver**
- 138.Iowa QRP-10 - 10 Meter CW Transceiver**
- 139.[4017](#) - 40 to 17 Meter "No Tune" Transverter**
- 140.[2N2/15](#) - 15 Meter CW Transceiver**
- 141.[2N2/6](#) - 40 to 6 Meter "No Tune" Transverter**
- 142.[2N2/40+](#) - Updated 40 Meter CW Transceiver**
- 143.[Original 2N2/40](#) CW Transceiver**