

Links

March 28, 2019

Links to interesting stuff, in no particular order

Arduino and Stuff

- Reference: <https://www.arduino.cc/reference/en/>
- Morse Code:
<https://www.element14.com/community/community/arduino/blog/2014/04/01/arduino-morse-code-beginner-box-part-1>
- Simulator: <http://www.virtronic>

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<https://www.element14.com/community/community/arduino/blog/2014/04/01/arduino-morse-code-beginner-box-part-1>
- Simulator: <http://www.virtronics.com.au/Simulator-for-Arduino.html>
- Parts and Software: <http://fritzing.org/home/>
- Debugging: <https://www.drduino.com/>
- Projects: <http://www.bristolwatch.com/index.htm>

Kits and QRP

(They seem to go together)

- <https://midnightdesignsolutions.com/phaser/> This is a really neat (and cheap) FT8/WSPR transceiver!
- <https://qrpguys.com/>
- <http://qrp-labs.com>
- <https://hobbypcb.com/>
- <http://www.hamgadgets.com/>
- <http://kitsandparts.com/index.php>
- <http://klel.tripod.com/>
- <http://www.qrpkits.com/index.html>
- <http://www.communication-concepts.com/>
- Kits for Kids (and big kids): <https://www.elenco.com/>
- <http://www.glolab.com/index.html>

Who Knew?

- Rent a fire tower lookout from the USFS Forest Service:
https://www.fs.usda.gov/detail/r1/recreation/?cid=fs-p5_030855

Fun Sites – interesting to browse

- Tubetime: <http://tubetime.us>
- 6 Meter stuff (mostly):
<http://www.bigskyspaces.com/w7gj/>

Power (to run radios)

- LiIon batteries, solar panels, chargers – made in SoCal! <https://www.bioennopower.com>
- Battery University
- Samlex America some of the best power supplies made. Also used extensively in remote communication

systems. Please check out the DC-DC inverters – great for keeping a constant 13.8 V to your HF rig no matter what the battery voltage.

Amplifiers

- Solid state high power info and kits: <http://www.w6pql.com>
- Preamps: <http://www.downeastmicrowave.com/default.asp>
- Amplifiers, accessories, etc: https://www.helitron.de/dj0abr/index_english.html
- Good solid state Amps: <http://www.ab4oj.com/quadra/sshfamp.html>

Antennas

- 6, 2, and 0.07 meter antenna comparison: <http://www.bigskyspaces.com/w7gj/6mTable.htm>
- Loop Fed Array (LFA) the best antenna for 6 meters

Balloons

- Track Amateur Radio Balloons: <https://tracker.habhub.org>
- Track Weather Balloons: <https://sondehub.org/>

Tools

- RF Calculators: <https://www.pasternack.com/t-rf-microwave-calculators-and-conversions.aspx>

- Smith Chart: <http://www.sss-mag.com/smith.html>
- Schematic Capture (free): <https://www.digikey.com/schemeit/project/>
- Test and Simulate Serial Circuits: <https://docklight.de/>

Surface Mount

- Capacitor Codes: <http://www.radio-electronics.com/info/data/capacitor/capacitor-markings.php>
- Resistor codes: http://www.radio-electronics.com/info/data/resistor/smd_resistor/smt-resistor-markings-systems.php
- Transistor and Diode Marking Codes: <http://matthieu.benoit.free.fr/cross/competitive/philips/SMD-PHILIPS.pdf>
- Resistors: <http://www.resistorguide.com/resistor-smd-code/>

Suppliers

- Digikey: (Fast, in MN): <https://www.digikey.com>
- Mouser: Good for RF parts plus everything else: <https://www.mouser.com>
- Element14: Raspberry Pi HQ: <https://www.element14.com/community/welcome>
- <http://www.goldmine-elec-products.com>
- Test equipment, component analyzers: <https://www.peakelec.co.uk> Distributor: <http://www.amascott.com/index.html>
- <https://www.vellemanstore.com/en/>
- <https://abra-electronics.com>

- Feed line and connectors: <https://rfconnection.com>
- Control head/mic cables: <https://www.n2rga.com>
- Hotspots: https://www.ebay.com/usr/2012moon816?_trksid=p2047675.l2559
- Heatsinks: Heatsinkusa.com
- Metals: Onlinemetals.com
- Coax, connectors, etc.: <https://rfconnection.com>
- Antenna and outdoor mounting/enclosures: <https://www.linktechs.net/productcart/pc/viewCategories.asp?idCategory=314>

WSPR, FT8, WSJT-X, etc.

- Wikipedia:
[https://en.wikipedia.org/wiki/WSJT_\(amateur_radio_software\)](https://en.wikipedia.org/wiki/WSJT_(amateur_radio_software))
- WSPR Map: <http://wsprnet.org/drupal/>
- WSJT-X:
<http://physics.princeton.edu/pulsar/K1JT/wsجتx.html>
- WSPR kits and ph<http://www.qrp-labs.com/>
- http://physics.princeton.edu/pulsar/K1JT/Moonbounce_at_Arecibo.pdf
- Joe Taylor:
https://en.wikipedia.org/wiki/Joseph_Hooton_Taylor_Jr.
- Article: <http://www.g4ilo.com/wspr.html>
- Source code: <https://sourceforge.net/projects/wsجت/>
- How to set up the FT-991 for digital operation: <https://www.nlrwy.org/?p=157>

See Dimension 4 (under Time) for automatically setting your PC's clock

Radio Propagation

- EZNEC antenna modeling software is now FREE!: EZNEC.com
- Great site to run V/UHF coverage plots for repeaters: <https://www.ve2dbe.com/english1.html>
- DX Maps <https://www.dxmaps.com>
- Solar Propagation: <http://www.hamqsl.com/solar.html>

Time (Useful stuff for WSJT too)

- Verify computer time: <https://time.is> (you need it to be right!)
- Time setting tool:
<http://www.thinkman.com/dimension4/Calculate> UTC/Time
Zones: <http://www.timebie.com/std/utc.php>

Computers

- Benchmarks: <http://browser.geekbench.com>
- Build your own PDP-11:
<https://obsolescence.wixsite.com/obsolescence>
- Raspberry Pi Universal GPIO: <http://wiringpi.com/>
- Simulator for PDP-11 and others:
<https://skn.noip.me/pdp11/pdp11.html>

Electronic Design

- Schematics: <https://www.digchip.com>
- All about resistors: <http://www.resistorguide.com>
- Electronic circuits: <http://www.electroniccircuits.com/category/electronic-circuits>

- Designs (pdf) :
<http://www.n5dux.com/ham/files/pdf/index.php>

Radio History

- American Radio History: <http://www.americanradiohistory.com/index.htm>
- Collins: <http://www.collinsradio.org/>
- Historic radios: <http://www.radioblvd.com>
- Radio Museum: <https://www.radiomuseum.org/zz/>
- WEAU tower collapse: https://youtu.be/9f08f_Qu3ls

Publication Archive

- 73 Magazine <https://archive.org/details/73-magazine>
- Free Ham Publications <http://www.n5dux.com/ham/pubs/>

Audio Processing / Analysis

- Great software for doing all sorts of audio processing: <http://www.stereotool.com/>
- Audio schematics, projects, and information: <https://sound-au.com>

FCC

- Equipment Authorization Search: <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> Enter “Yaesu” for Applicant Name, select an appropriate date range, then select “Start Search”. Note that the “upper frequency” column represents the highest frequency the device can

RECEIVE.

- Looking for a new call sign?: <http://radioqth.net/>
- Renew or modify your Amateur Radio license (for free):
<https://www.fcc.gov/wireless/bureau-divisions/mobility-division/amateur-radio-service>

Networking (all types)

- AREDN: <https://www.aredn.org>
- Hub Network: <http://allmon.hubnetwork.uk/>

Services

- Duplexer Tuning: <http://www.kk4ice.com/>

Broadcasting

- <https://radio-locator.com/>
- <http://j-hawkins.com/radio.html>
- <http://www.pavekmuseum.org/>
- <https://www.fybush.com/>
- <https://www.shortwaveradio.be/>
- <http://www.engineeringradio.us/blog/>
- Part 15: <https://www.hobbybroadcaster.net>
- WLW Tubes: <http://www.ominous-valve.com/wlw.html>

Windows

- Fixing Prolific chip problems on Windows 10:
<https://recoverit.wondershare.com/usbs-tips/fix-prolific-usb-not-working.html>
- Tools that make Windows
?better?: <https://www.wintools.info>

Other Stuff

- Home electrical wiring:
www.homeadvisor.com/r/residential-electrical-circuit-help/
- Weather Data World: <https://www.ecmwf.int>
- Weather Data
NOAA: <https://www.ncei.noaa.gov/products/weather-climate-models/global-forecast>