



September 2021
Our 102th Year
Volume 59, Issue 9

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Website:

<http://www.mvara.org/>

The Voice Coil
Newsletter of the Mahoning
Valley Amateur Radio
Association
Established 1919

The Voice Coil

Prez Sez

If you didn't come out to the car show, boy did you miss a good time!

We set up where we could see every car that came in and there were more than 300 of them. There was everything from Model Ts to Model As, Street Rods, T-buckets, 55, 56 and 57 Chevs, Fords and Chryslers. Every year Corvette that you can imagine was there, even a few '63 split windows.

My personal favorites were the Pontiac GTOs, Super Birds, Super Bees and the Ford Cyclone. I guess if I had been born sooner, I would have been a Pontiac man. It was reported by the Mahoning Valley Old Car Club that this was the biggest show they've ever had.

Even with all that going on in front of us we still managed to get setup in the shade with the help of a great crew of people. We made 44 contacts on 40 meters with a number of operators those including Dave KD8NZF, Ed KE8NSW, and we even had Mike K8PRR on the radio for a while who made several contacts. I'll tell you Mike and Dave sure can work a pileup.

We had pizza from Little Caesar's for lunch provided by Dave and Nancy who delivered it to us.



Thank you Dave and Nancy.

We made a few more contacts and decided that it was time to pack up as the skies to the West were turning black. We all managed to get out before the storms rolled in but had a fantastic day to remember and more than a few QSL cards to send out.

I want to thank Dave KD8NZF, Ed KD8NSW, Frank WB8YHD, Mike K8PRR, Gene WQ8H, John

(continued pg. 2)

NEXT MEETING

Monthly meeting
September 9,
6:30pm.
Boardman Park

Corn Roast
(postponed from Aug.)

2021 Officers

President: Scott Wilton, KE4UHC

Vice President: Mike McCleery,
K8PRR

Secretary: Ray Bishop, W8CSM,

Treasurer: Dean DeMain, W8YSU

Trustees:

Andy Brinco, WA8ZLK

Joe Vasco, N8SEJ

Mark Haverstock, K8MSH

John DeGutis, N8LVA

Newsletter Editor: Mark
Haverstock, K8MSH

Awards Manager: Dave Fairbanks,
N8NB, 330.759.6993, 4770 Logan
Ave. Youngstown, OH 44505

The Mahoning Valley Amateur
Radio Association, Inc, meets the
second Thursday of every month.
Location and time are subject to
change. Dues are \$20.00 per year,
\$10.00 each for additional family
member. Contact Dean,
W8YSU@arrl.net for membership
details.

The club call is **W8QLY**; equipment
operated under this call includes a
two meter voice repeater at 146.745
(-600, 110.9 PL). Club email:
mvara.w8qly@gmail.com

MONDAY NIGHT NET operates
every Monday at 9:00. PM on
146.745 MHz.

SKYWARN NET - First Wednesday
of the month at 8:30 PM on 146.745
MHz as weather warrants.

ARES NET- First and third
Mondays of each month at 8:30 PM
on 146.745 MHz; prior to the
Monday Night Net.

Prez Sez, continued:

N8LVA, Mark K8MSH and Dean W8YSU for coming out and helping during this event.

We have been asked to provide a booth for Silly Science Sunday for Oh WOW Science Center on September 19th. Planning is already under way for this endeavor but we need help on that Sunday for either operating radio or talking to kids and their parents about ham radio. Setup would be at 8:00 AM but the kids and parents won't be there until 11:00 AM. So don't be afraid to come on out and give a hand and show Oh WOW how dedicated we are to ham radio and our club this could eventually turn into something bigger in the future.

Corn Roast Rescheduled



The MVARA annual Corn Roast will be Thursday, September 9th, at Boardman Twp. Park, It will take place at the Masters Pavilion This is located on the west side of the park off of Southern Blvd. All members, non-members and their families are encouraged to attend! We will eat dinner at about 6:30 pm, but you can arrive anytime after 5:30 pm to help shuck the corn.

As in the past the club will provide the hamburgers, hotdogs, corn, beverages, and table settings. Those attending are asked to bring a **covered dish or dessert** to share (DON'T FORGET TO BRING A SERVING SPOON OR FORK FOR YOUR DISH!!). If you have any questions please contact Dean DeMain (W8YSU) @ 330-507-9295 or E-mail w8ysu@arrl.net Hope to see you all there,

Directions will be available on W8QLY 146.745/R beginning @ 5:00 pm.

Dean DeMain, W8YSU, CORN ROAST CHAIRMAN

Refresher Answers: E3B01 (A) E3B02 (C) G7A01 (B)
G7A02 (D)

Current Activities

Sept. 9: Monthly meeting, 6:30 pm, Boardman Park. See details pg. 2

Comments, Questions?

Email: mvara.W8QLY@gmail.com Snail-mail: MVARA, P.O. Box 14141, Poland, OH 44514

Meeting ideas/ suggestions? Contact Dave, KD8NZF, KD8NZF@zoominternet.net

HAMFEST CALENDAR *(Always subject to change—check before you go)*

09/26/2021 - Cleveland Hamfest - Location: Cuyahoga County Fairgrounds - 164 Eastland Road - Berea, OH 44017 - Website: <http://www.hac.org> - Public Contact: Mathew Nickoson, KC8NZJ - PO BOX 201173 Shaker Heights, OH 44120 - Phone: 8002533378 (800-CLE-FEST) - Email: kc8nzj@hac.org
Learn More <http://www.arrrl.org/hamfests/cleveland-hamfest-1>

10/2/2021 - 10th Annual Vette City Hamfest, ARRL Great Lakes Division Convention Location: Western Kentucky University Knicely Conference Center - 2355 Nashville Rd. - Bowling Green , KY 42101 - Website: <https://ky4bg.com> - Sponsor: Kentucky Colonels Amateur Radio Club - Talk-In: 147.330 P.L. 107.2 - Contact: Frank Armstrong , KI4HEJ - 1622 Flanigan Ct. #4 Bowling Green, KY 42104 - Phone: 270-991-9768 - Email: frankarmstrong@insightbb.com

10/31/2021 - Massillon Hamfest - Location: Green, OH - Sponsor: Massillon Amateur Radio Club - Website: <http://w8np.or> Learn More <http://www.arrrl.org/hamfests/massillon-ohio-hamfest>

Swap and Shop

ICOM 5100A Dual-Band 2m/70cm/D-Star Mobile Transceiver with Diamond MagMount antenna. Very good condition. \$295.00. Contact Joe, W0JO, (330) 219-1423.

Two {2} sections of **Rohn 25 tower**. Needs paint **Cuschcraft R-5** Vertical, and manual. {has not been used in 2 years} \$100.00 *FIRM.* Contact: Jon Kovacs, K8LY, 330-883-7285 cell and text.

Rick Tenan Estate Items for sale. Contact Dave Fairbanks (N8NB) at 330-501-5031 if you would like to purchase any of the following items. Leave a message if I am not available. All proceeds go to Pam Tenan.

1. Complete Drake “B-Line” station in museum quality condition:

R4B Receiver

T4XB Transmitter with custom cover

MS-4 Speaker and Cabinet with custom cover

MN-2000 Tuner with custom cover

AC-4 Power Supply and connecting cables

Drake W4 wattmeter

Shure 444 Microphone

Items were serviced and brought up to top operating condition by Jeff Covelli.

\$1200 for the complete set. Separate items are not for sale. Most manuals included.

2. Yaesu FT-990 HF Transceiver in excellent condition. MD-1 mic and manual included. \$750
3. Kenwood TS-820 HF Transceiver in excellent condition with manual. VFO-820, SP-820 and MC-50 mic and connecting cables included. \$ 650
4. Heathkit SB-1400 HF transceiver and SBA-1400 speaker/ps in mint condition. \$300
5. Heathkit HX-30 6 meter transmitter and HA-20 Amplifier in average condition. Includes Comair LM-6N2C 6 and 2 meter manual tuner in fair condition. \$450.
6. Heathkit HO-10 Monitor Scope in good condition. \$ 50.
7. Astron RS-50M DC power supply in excellent condition. \$250.
8. Radio Shack 22-510 25 amp switching power supply. \$75.
9. Allied-Radio Shack AX-190 HF ham band receiver in very good condition. \$150
10. Siltronic (SWAN) FS-301 SWR meter with 1000w and 20w scales in good condition. \$50
11. Radio Shack Pro-2044 Scanner. \$35
12. Royce 2-100 Field Strength & SWR meter. \$15
13. Midland 23-135B Field Strength meter. \$10
14. Lafayette Telsat SSB-75 SSB and AM transceiver. \$50
15. Vibroplex 40135 Iambic key in "like-new" condition. \$75
16. Radio Shack HTA20 2 meter mobile transmit amp. \$60.
17. SGC SG-239 HF Smartuner. \$125
18. DSI-5500 50hz-512mhz frequency counter. \$60
19. MFJ-260C dummy load. \$45
20. MFJ-464 CW Keyer and reader in excellent condition. \$145
21. MFJ-1702 2 position coax switch. \$35
22. MFJ-945D Mobile tuner. \$90
23. MFJ-945E Mobile tuner. \$125
24. MFJ-949E Deluxe Versatuner II. \$125
25. MFJ4225MV 25A power supply. \$50
26. Large backlit "On the Air" sign. \$50
27. RCI-5054 6m SSB transceiver. \$190
28. J-38 style straight key mounted to heavy base. \$45



HAM HUMOR: OVERLY AMBITIOUS HAM KICKED FROM CLUB



PATASKALA, OHIO — Lukas Guzman, a 27 year-old newly licensed ham radio operator, was booted from the Flicking County Amateur Club last night during their annual meeting at Crusty's Wharf. When pressed for a reason, the other members simply stated that "he is too involved."

"He wanted us to get VE credentials and actually test new hams," exclaimed Mort Brenley. "He was always excitedly talking about working DX."

Guzman noted that he really felt the blowback when he brought up how much fun a DXpedition would be. "They looked at me like I had been inhaling contact cleaner," he said.

Tensions came to a head after everyone had their second helping of clam chowder. "I whipped out my typed to-do list, and everyone's face went green," said Guzman.

Brenley concurred. "He got to 'school outreach' and I saw Vernon fumbling for his nitro pills. I knew he had to be stopped."

There was a unanimous vote, 4-0, and Guzman was removed from the club.

"He is damn lucky we didn't toss him from the Highway 16 overpass into the South Fork of Flicking River."

As of press time, Guzman was updating his QRZ page, updating ACLog, memorizing his LOTW certificate code, replacing the electrolytic caps on an old Hallicrafters, applying for grants to buy a transceiver for his local elementary school, framing his license, and checking to see if a frequency was in use.

By [K5KAC](#), on the scene

Car Show Special Event Station



Sailing Vessel with Ham Radio History Marks 100 Years

The schooner Bowdoin is a century old this year. Now owned by the Maine Maritime Academy (MMA) as a training vessel, the ham radio history of the 88-foot (LOA) Bowdoin is often neglected. Constructed in Maine specifically for Arctic exploration, the vessel relied on amateur radio for communication during explorer Donald B. MacMillan's Arctic Expedition of 1923 and on the MacMillan-McDonald-Byrd Expedition of 1925 -- thanks in part to ARRL co-founder Hiram Percy Maxim, W1AW.



The venerable vessel, the official vessel of the State of Maine and the flagship of Maine Maritime Academy's Vessel Operations and Technology Program, recently underwent a complete hull restoration and refitting and has done a little touring to mark its centenary. Its home port is Castine, Maine.

The longwave transmitters MacMillan used on his earlier missions had proved "unable to penetrate the screen of the aurora borealis," ARRL historian Michael Marinaro, WN1M, explained in his article, "Polar Exploration," in the June 2014 issue of QST. In 1923, MacMillan turned to ARRL for help in outfitting his next expedition with better wireless gear. Marinaro recounted, "It was enthusiastically provided." Maxim and the ARRL Board recruited Donald H. Mix, 1TS, of Bristol, Connecticut, to accompany the crew as its radio operator.

M.B. West, an ARRL Board member, designed the gear, which was then built by amateurs at his firm, Zenith Electronics. The transmitter operated on the medium-wave bands of 185, 220, and 300 meters, running 100 W to a pair of Western Electric "G" tubes. Earlier exploratory missions had used gear that operated on longwave frequencies. The shipboard station on board the Bowdoin was given the call sign WNP -- Wireless North Pole.

"WNP transmitted weekly 500-word press releases and listings of stations worked and heard," Marinaro said. "Once received by amateur stations, these reports were delivered to local affiliated newspapers of the North American Newspaper Alliance; from there, they were distributed syndicate-wide by telegraph."

MacMillan's subsequent attempt at the North Pole centered around wireless. The objectives supported by the Navy and the National Geographic Society were to determine the full capabilities of radio north of the auroral belt and to explore the northern reaches by air. The outstanding accomplishment of the 1925 expedition was in the sphere of radio.

Utilizing shortwaves, the expedition was in consistent contact with the outside world throughout the journey, to the delight of the amateurs who were able to work them. The phenomenal success proved to the Navy that shortwaves were definitely superior to the longwaves and ultra longwaves that fleets

From the ARRL

Contest and Special Event Operating Information

Dave Fairbanks N8NB

Data below as well as more information courtesy of the following website:

<http://www.hornucopia.com/contestcal/index.html>.

September 2021

+ Phone Weekly Test - Fray	0230Z-0300Z, Sep 1
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 1
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Sep 1
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 1
+ UKEICC 80m Contest	2000Z-2100Z, Sep 1
+ G3ZQS Memorial Straight Key Contest	2300Z, Sep 1 to 2300Z, Sep 3
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Sep 2 and 0200Z-0300Z, Sep 3
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 2
+ CWops Mini-CWT Test	0700Z-0800Z, Sep 2
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 2
+ NRAU 10m Activity Contest	1700Z-1800Z, Sep 2 (CW) and 1800Z-1900Z, Sep 2 (SSB) and 1900Z-2000Z, Sep 2 (FM) and 2000Z-2100Z, Sep 2 (Dig)
+ EACW Meeting	1900Z-2000Z, Sep 2
+ SKCC Sprint Europe	1900Z-2100Z, Sep 2
+ NCCC RTTY Sprint	0145Z-0215Z, Sep 3
+ NCCC Sprint Ladder	0230Z-0300Z, Sep 3
+ K1USN Slow Speed Test	2000Z-2100Z, Sep 3
+ CWops CW Open	0000Z-0359Z, Sep 4
+ Russian RTTY WW Contest	0000Z-2359Z, Sep 4
+ All Asian DX Contest, Phone	0000Z, Sep 4 to 2400Z, Sep 5
+ Wake-Up! QRP Sprint	0600Z-0629Z, Sep 4 and 0630Z-0659Z, Sep 4 and 0700Z-0729Z, Sep 4 and 0730Z-0800Z, Sep 4
+ Portable Operations Challenge	0800Z-1159Z, Sep 4
+ CWops CW Open	1200Z-1559Z, Sep 4
+ AGCW Straight Key Party	1300Z-1600Z, Sep 4
+ Two-Meter Classic Sprint	1300Z-1330Z, Sep 4
+ IARU Region 1 Field Day, SSB	1300Z, Sep 4 to 1259Z, Sep 5
+ RSGB SSB Field Day	1300Z, Sep 4 to 1300Z, Sep 5
+ Colorado QSO Party	1300Z, Sep 4 to 0400Z, Sep 5
+ IARU Region 1 145 MHz Contest	1400Z, Sep 4 to 1400Z, Sep 5
+ Portable Operations Challenge	1600Z-1959Z, Sep 4
+ PODXS 070 Club Jay Hudak Memorial 80m Sprint	2000Z, Sep 4 to 2000Z, Sep 5
+ CWops CW Open	2000Z-2359Z, Sep 4
+ Portable Operations Challenge	0000Z-0359Z, Sep 5
+ WAB 144 MHz QRO Phone	1000Z-1400Z, Sep 5
+ Tennessee QSO Party	1800Z, Sep 5 to 0300Z, Sep 6

+ K1USN Slow Speed Test	0000Z-0100Z, Sep 6
+ RSGB 80m Autumn Series, SSB	1900Z-2030Z, Sep 6
+ MI QRP Labor Day CW Sprint	2300Z, Sep 6 to 0300Z, Sep 7
+ ARS Spartan Sprint	0100Z-0300Z, Sep 7
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 7
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 7
+ Phone Weekly Test - Fray	0230Z-0300Z, Sep 8
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 8
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Sep 8
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 8
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 9
+ CWops Mini-CWT Test	0700Z-0800Z, Sep 9
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 9
+ EACW Meeting	1900Z-2000Z, Sep 9
+ NCCC RTTY Sprint	0145Z-0215Z, Sep 10
+ NCCC Sprint Ladder	0230Z-0300Z, Sep 10
+ K1USN Slow Speed Test	2000Z-2100Z, Sep 10
+ FOC QSO Party	0000Z-2359Z, Sep 11
+ WAE DX Contest, SSB	0000Z, Sep 11 to 2359Z, Sep 12
+ SARL Field Day Contest	0800Z, Sep 11 to 0600Z, Sep 12
+ YB7-DX Contest	0900Z, Sep 11 to 1400Z, Sep 12
+ SKCC Weekend Sprintathon	1200Z, Sep 11 to 2400Z, Sep 12
+ Ohio State Parks on the Air	1400Z-2200Z, Sep 11
+ Alabama QSO Party	1500Z, Sep 11 to 0300Z, Sep 12
+ Russian Cup Digital Contest	1500Z-1859Z, Sep 11 and 0600Z-0959Z, Sep 12
+ ARRL September VHF Contest	1800Z, Sep 11 to 0300Z, Sep 13
+ North American Sprint, CW	0000Z-0400Z, Sep 12
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Sep 13
+ K1USN Slow Speed Test	0000Z-0100Z, Sep 13
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 14
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 14
+ Phone Weekly Test - Fray	0230Z-0300Z, Sep 15
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 15
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 15
+ RSGB 80m Autumn Series, CW	1900Z-2030Z, Sep 15
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Sep 16 and 0200Z-0300Z, Sep 17
+ NAQCC CW Sprint	0030Z-0230Z, Sep 16
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 16
+ CWops Mini-CWT Test	0700Z-0800Z, Sep 16
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 16
+ BCC QSO Party	1830Z-1859Z, Sep 16
+ EACW Meeting	1900Z-2000Z, Sep 16
+ NCCC RTTY Sprint	0145Z-0215Z, Sep 17
+ NCCC Sprint	0230Z-0300Z, Sep 17
+ K1USN Slow Speed Test	2000Z-2100Z, Sep 17

+ SARL VHF/UHF Digital Contest	0500Z-0700Z, Sep 18 (6m) and 0700Z-0900Z, Sep 18 (2m) and 0900Z-1100Z, Sep 18 (70cm) and 0500Z-0700Z, Sep 19 (6m) and 0700Z-0900Z, Sep 19 (2m) and 0900Z-1100Z, Sep 19 (70cm)
+ ARRL 10 GHz and Up Contest	0600 local, Sep 18 to 2400 local, Sep 19
+ Scandinavian Activity Contest, CW	1200Z, Sep 18 to 1200Z, Sep 19
+ Iowa QSO Party	1400Z, Sep 18 to 0200Z, Sep 19
+ Texas QSO Party	1400Z, Sep 18 to 0200Z, Sep 19 and 1400Z-2000Z, Sep 19
+ QRP Afield	1500Z-2100Z, Sep 18
+ Wisconsin Parks on the Air	1600Z-2300Z, Sep 18
+ Washington State Salmon Run	1600Z, Sep 18 to 0700Z, Sep 19 and 1600Z-2400Z, Sep 19
+ New Jersey QSO Party	1600Z, Sep 18 to 0359Z, Sep 19
+ New Hampshire QSO Party	1600Z, Sep 18 to 0400Z, Sep 19 and 1600Z-2200Z, Sep 19
+ Feld Hell Sprint	1800Z-1959Z, Sep 18
+ North American Sprint, RTTY	0000Z-0400Z, Sep 19
+ BARTG Sprint PSK63 Contest	1700Z-2059Z, Sep 19
+ Run for the Bacon QRP Contest	2300Z, Sep 19 to 0100Z, Sep 20
+ K1USN Slow Speed Test	0000Z-0100Z, Sep 20
+ 144 MHz Fall Sprint	1900 local - 2300 local, Sep 20
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 21
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 21
+ SKCC Sprint	0000Z-0200Z, Sep 22
+ Phone Weekly Test - Fray	0230Z-0300Z, Sep 22
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 22
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 22
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 23
+ CWops Mini-CWT Test	0700Z-0800Z, Sep 23
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 23
+ EACW Meeting	1900Z-2000Z, Sep 23
+ RSGB 80m Autumn Series, Data	1900Z-2030Z, Sep 23
+ NCCC RTTY Sprint	0145Z-0215Z, Sep 24
+ NCCC Sprint	0230Z-0300Z, Sep 24
+ K1USN Slow Speed Test	2000Z-2100Z, Sep 24
+ CQ Worldwide DX Contest, RTTY	0000Z, Sep 25 to 2400Z, Sep 26
+ Maine QSO Party	1200Z, Sep 25 to 1200Z, Sep 26
+ Masonic Lodges on the Air	1400Z-2200Z, Sep 25
+ AGCW VHF/UHF Contest	1400Z-1700Z, Sep 25 (144) and 1700Z-1800Z, Sep 25 (432)
+ UBA ON Contest, 6m	0700Z-1000Z, Sep 26
+ K1USN Slow Speed Test	0000Z-0100Z, Sep 27
+ QCX Challenge	1300Z-1400Z, Sep 27
+ RSGB FT4 Contest Series	1900Z-2030Z, Sep 27
+ QCX Challenge	1900Z-2000Z, Sep 27
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 28

+ QCX Challenge	0300Z-0400Z, Sep 28
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 28
+ 222 MHz Fall Sprint	1900 local - 2300 local, Sep 28
+ Phone Weekly Test - Fray	0230Z-0300Z, Sep 29
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 29
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 29
+ UKEICC 80m Contest	2000Z-2100Z, Sep 29
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 30
+ CWops Mini-CWT Test	0700Z-0800Z, Sep 30
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 30
+ EACW Meeting	1900Z-2000Z, Sep 30

DX Operating Information

Dave Fairbanks N8NB

Credit for the below information and further information on these operations and others can be found at the following website: <http://www.ng3k.com>

September						
2021 Sep04	2021 Sep16	Dodecanese	SV5	LoTW	DXW.Net 20210811	By HB9OAU as SV5/HB9OAU fm Karpathos I (IOTA EU-001); 80-10m; SSB RTTY FT8; holiday style operation; QSL via HB9OAU (B/d)
2021 Sep05	2021 Sep19	Dodecanese	SV5	DL2AAZ (B/d)	TDDX 20210614	By DL2AAZ as SV5/DL2AAZ fm Rhodes (IOTA EU-001); 40-10m + QO-100 satellite; SSB CW; 300w; ground planes; holiday style operation
2021 Sep05	2021 Sep28	Liechtenstein	HB0	DARC Buro	TDDX 20210811	By DL5YM as HB0/DL5YM and DL5YL as HBO/DL5YL; 160-6m, focus on 20, 30m for Asia and Oceania
2021 Sep10	2021 Sep13	Kosovo	Z68XX	DL2JRM	DL2JRM 20210730	By DL2JRM; HF; mainly CW; QRV for WAE SSB
2021 Sep13	2021 Sep28	Rwanda	9X2AW	M0OXO	DXW.Net 20210720	By DF2WO; 160-10m; CW SSB + digital
2021 Sep17	2021 Sep20	Faroe Is	OY	LoTW	DXNews 20210709	By LB5SH as OY/LB5SH; 160-6m; SSB FT8 CW; QRV for SAC CW
2021 Sep17	2021 Sep29	Tanzania	5H1IP <small>NEW</small>	Club Log OQRS	DXNews 20210819	By HA3JB fm Unguja I, Zanzibar (IOTA AF-033); 160-6m; CW SSB RTTY FT8; QRV for CQWW DX RTTY; QSL via HA3JB
2021 Sep20	2021 Sep30	Tanzania	5H1IP	ClubLog OQRS	DXNews 20210227	By HA3JB fm Zanzibar (IOTA AF-032); 160-6m; CW SSB RTTY FT8; QRV for CQWW DX RTTY; QSL via HA3JB
2021 Sep21	2021 Oct05	St Pierre & Miquelon	FP	LoTW	DXW.Net 20191126	By KV1J as FP/KV1J fm Miquelon I (IOTA NA-032, DIFO FP-002, WLOTA 1417); 160-6m; mainly SSB CW RTTY FT8 FT4; see Web for QSL details
CQ WW DX Contest, RTTY (Sep 25-26, 2021) Check here for pericontest activity too.						
2021 Sep29	2021 Oct13	Maldives	8Q7CQ	M0OXO	DXW.Net 20201025	By G0VJG fm Reethi Faru, Filaidhoo I (IOTA AS-013); 80-10m, incl 60m; SSB + digital, some CW; 300w; vertical, dipole; QSL OK via Club Log OQRS; license pending

Amateur License Refresher



It's probably been a while since you took your Amateur License exam. Here are a few sample questions from the current question pools just to keep those synapses firing.

Extra Pool

E3B01

What is transequatorial propagation?

- A. Propagation between two mid-latitude points at approximately the same distance north and south of the magnetic equator
- B. Propagation between points located on the magnetic equator
- C. Propagation between a point on the equator and its antipodal point
- D. Propagation between points at the same latitude

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E3B02

What is the approximate maximum range for signals using transequatorial propagation?

- A. 1000 miles
- B. 2500 miles
- C. 5000 miles
- D. 7500 miles

General Pool

G7A01

What useful feature does a power supply bleeder resistor provide?

- A. It acts as a fuse for excess voltage
- B. It ensures that the filter capacitors are discharged when power is removed
- C. It removes shock hazards from the induction coils
- D. It eliminates ground loop current

G7A02

Which of the following components are used in a power supply filter network?

- A. Diodes
- B. Transformers and transducers
- C. Quartz crystals
- D. Capacitors and inductors

Answers pg. 2

Let's Build Something!

Ah, the smell of solder smoke in the morning—you just can't beat it. In the Sept issue of QST they reviewed a Wall Wart Tamer kit from qrpkits.com



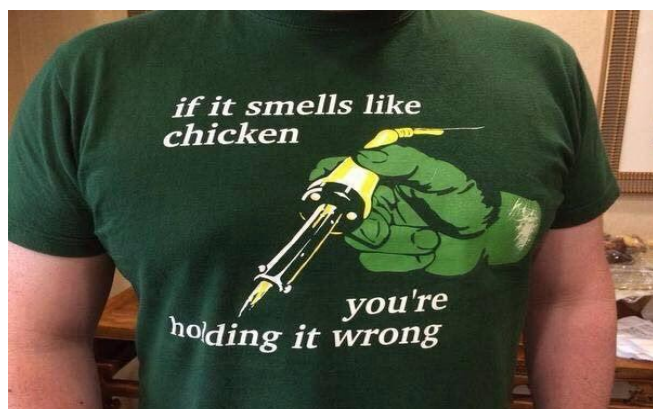
At first I was just curious about what they were doing, but the more I dug in the better this kit is looking. If you're like me, you've got dozens of plug in wall transformers/power supplies from long gone devices. The problem is that they all have different plugs, different voltages, some have AC outputs, some have DC outputs, and so on. So when you need one, it's a big sorting project.

This kit lets you use just about any of them without worrying about plugs/outputs/etc. The kit will accept either AC in or DC in. If you supply AC in, it rectifies it to DC. If you input DC it just passes it to the next stage in the kit. The next stage is an adjustable Voltage Regulator with a screwdriver adjust to set the output voltage. The only requirement for the wall wart is that its output voltage is at least two volts higher than the output you want and that the current output is more than you need. So for instance if you were looking for 5V @ 100 mA and have a transformer that gives 9V @ 500 mA, you are in business.

Checking their website, www.qrpkits.com, just makes it better. They sell the kit for \$20.00. That's the circuit board and all parts. Taking a quick glance at the parts list, you would have most of \$20 just in parts if you bought them from Mouser, DigiKey, etc. And you would still need the circuit board. And while you are on their website, do a little snooping, they have dozens and dozens of kits for other projects.

I am ordering a kit, if anyone else is interested and wants to do the same, we can do a group order and get together to do the build. Even if you don't have a soldering iron we have you covered and will show you how to solder.

Dave, KD8NZF



THE LAST WORD

“Never try to have the last word. You might get it.”

Robert A. Heinlein

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MVARAVoiceCoil@gmail.com

Submissions must be received **no later than the 24th** of the month prior to the month of issue, unless otherwise specified. **Submissions should be in MS Word format or ASCII text—no PDF, please!** Material received after the deadline will be used in the next month's VOICE COIL if it is still current and /or newsworthy.

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