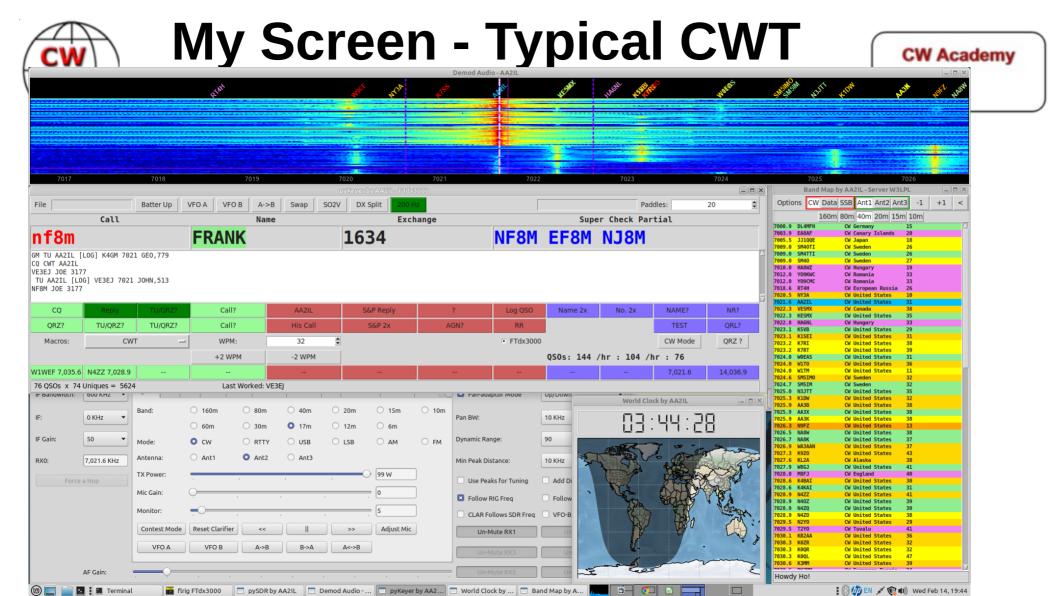


Week 5 - Session 10

- Go over h/w and on air activities
- This weekend is the ARRL International DX CW
 - "International" → We only work stations outside of the U.S.
 - We send 5NN + STATE/PROVINCE
 - DX sends 5NN + Power
 - The best strategy for "little pistols" is S&P for this one
 - Look for plenty of DX activity before and after the contest
 - Can you get DXCC in one weekend?
- DX Cluster and Reverse Beacon Network
- Drill: Sentences







DX Cluster

- The DX Cluster refers to websites that list DX stations that other ops have "spotted"
 - Rare and not so rare DX
 - Running stations in a domestic contest
 - dxwatch.com and dxheat.com are my "go to" sites but there are many others
- Reverse Beacon Network (RBN)
 - Automated systems that do this for CW and RTTY (Next Slide)
- The use of these tools, even once, puts you in the "assisted" category in a contest
 - S&P: Quickly identify un-worked stations and "multipliers"
 - RUNNING: Quickly identify open frequencies
- These tools have altered the landscape for chasing DX
 - No longer have to endlessly "spin the big knob" to find DX
 - Generates instant pile-ups



DXHeat.com

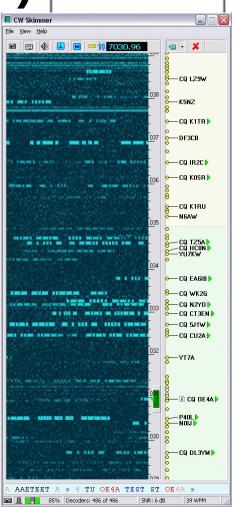
Ops Manually Enter "Spots"

O Realtime World Clock **▼** Filters DX de UTC Date Tags Comments QW7B0B EA7KRB 17:53 18/10/23 28 180.8 17:53:39 UTC **KA3JAW** 29 600,0 SO1AS FN20IO<ES> Heard 3x3 4x4 17:53 18/10/23 Wednesday, 18, of October 2023 None KI5MFF 28 495,0 KC50UR @ Valencia Mid School Students calling 17:52 18/10/23 N4WMB 28 565,0 CS8ABG **@**@ 17:52 18/10/23 Q Search Sources LU6YR DL1RAE \mathbf{Q} FT8 db-17 From FF51 1965 Hz TNX OS 28 074.0 17:51 18/10/23 Search W7B0B 28 180,8 EA7L **QQ** 17:51 18/10/23 CALLSIGN W3LPL NU4N **(2)** POTA 2147 NY 14 286,0 ■ N2PQJ 17:51 18/10/23 Default Wildcard W5AP 21 315.0 W8EDU \mathbf{Q} name Adam 17:51 18/10/23 DXCC WU5E 28 455,0 ## LA5XO 17:50 18/10/23 Submit VALID N5BIG **Q**@ 28 580.0 √ J88IH 17:50 18/10/23 **(2)** W0KAL 14 327,0 K4DSX 17:49 18/10/23 OTHER PU9FD0 **(2)** (2) 59 CO DX (Login required) 28 565.0 CS8ABG 17:49 18/10/23 FT8 db-14 From FF51 1965 Hz TNX QS LU6YR 28 074,0 R2BY 17:49 18/10/23 Modes **(2)** (0) Propagation W2TAD 28 074,0 ■ W1AW/0 FT8 - Nebraska 17:48 18/10/23 **Q** KE8RRG 28 387.0 ■ F5NBX 17:47 18/10/23 (a) (a) KI6WJ 28 076,8 **KL7HFI** 17:46 18/10/23 PHONE KG8V USB EN82hn -> IO21ol 21 270.0 PA3DRK 17:46 18/10/23 W3LPL Heard in NC 17:46 18/10/23 28 022,0 Magnetic Activity Solar Activity NC1M 21 289,0 \$51CK 17:45 18/10/23 SEI: 137 K: 0 A: 2 Bands KI6WJ **(2)** 28 076,7 EA1A 17:44 18/10/23 PY2RT 28 075,7 DG7LBB @ FT8 Sent: -15 Rcvd: -24 17:44 18/10/23 Band Activity SHF **@**@ W8FJ 9J2REK 17:43 18/10/23 24 891,9 Your Continent is N. America > UHF VE2JM 24 960.0 HB0WR **Q**@ 17:42 18/10/23 **@**@ WP4U 50 313,0 TO NP2X cqing 17:39 18/10/23 VHF EU NA SA AS AF OC **KA3JAW** 29 600.0 EA1BXX FN20JQ<ES>IN70DW Corrected Cal 17:39 18/10/23 4m W2FTJ CDM I* 28 573,0 IZ0WEI 17:38 18/10/23



Reverse Beacon Network (RBN)

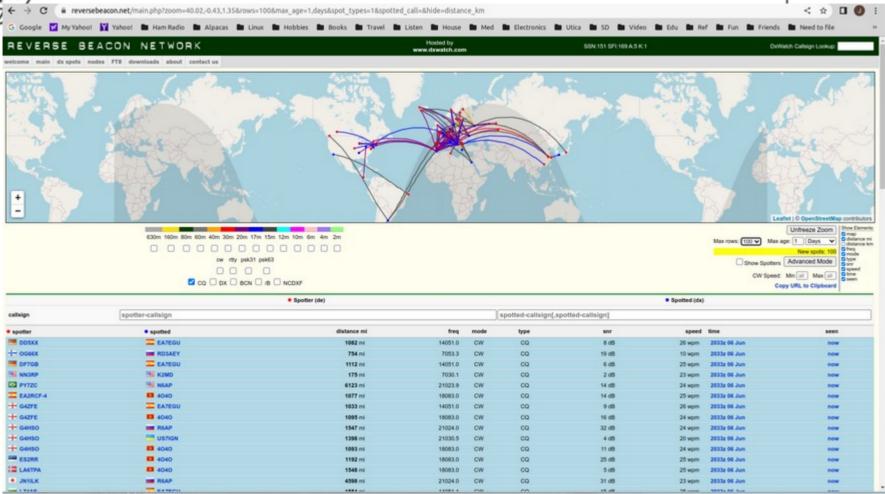
- A world-wide system of SDRs monitoring one or more bands and using automatic decoders
 - CW and RTTY "Skimmers"
- You can view data "live" or download and analyze historical data off-line
 - This is an excellent tool for assessing your station's performance
 - Send CQ <YOUR_CALL> or TEST <YOUR_CALL> a few times to get spotted
- reversebeacon.net can also get raw RBN spots in real-time
 - PSK Reporter does something similar for FT4/8 signals → Almost everyone is a spotter/monitor!
- Competitive Contest Loggers have the ability to import spots from a cluster node
 - From cluster or RBN or both
 - Can usually "filter" the spots you actually see



CW

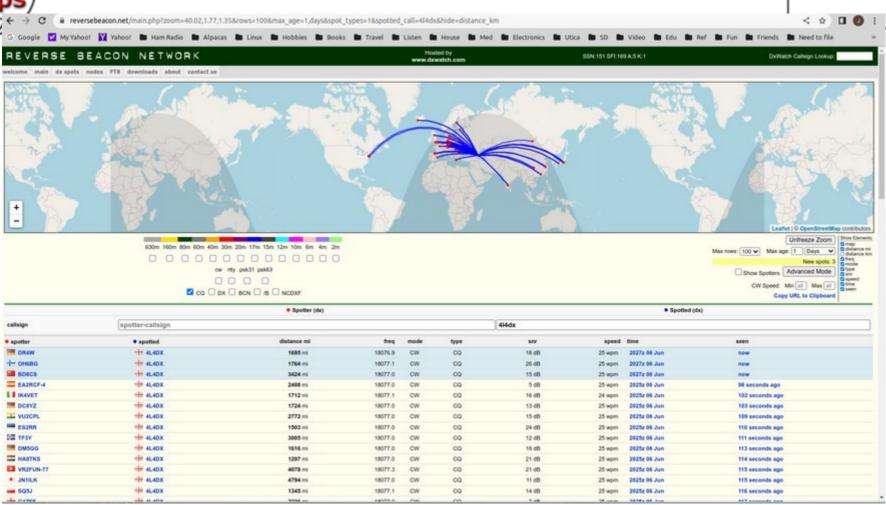
Reverse Beacon Network (RBN)

Spots Automagically Generated by Skimmers





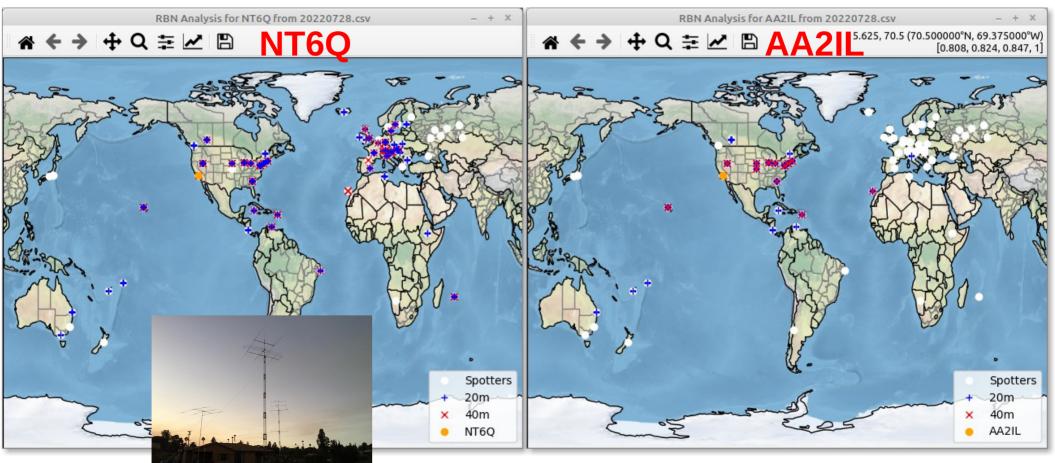
RBN Real-Time Filters

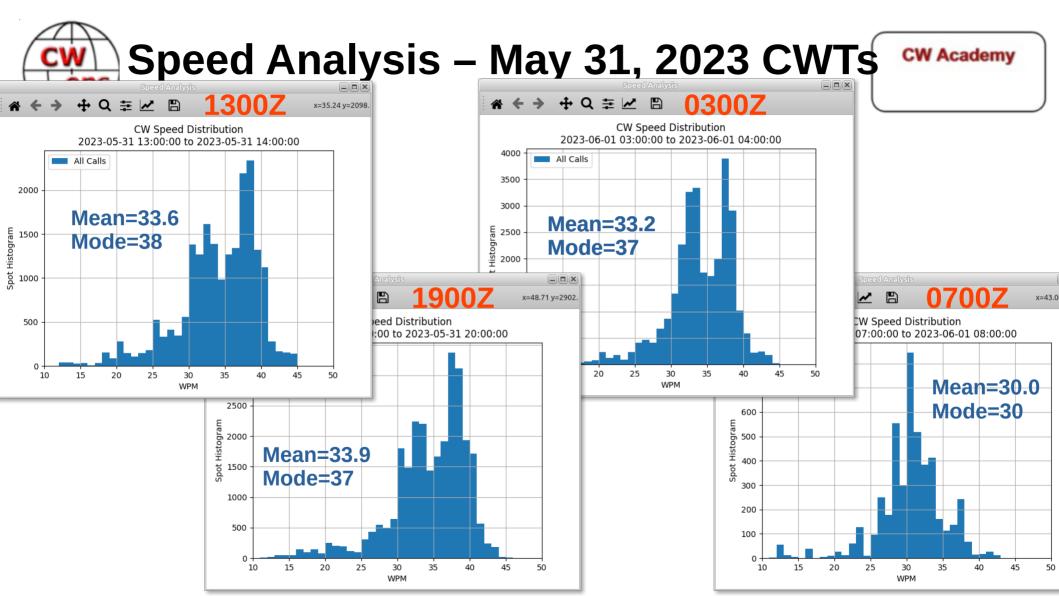




Big Gun vs Little Pistol

CWT 0300-0400 July 28, 2022







PSK Reporter – Stations Who Heard Me on 6m During the June 2022 VHF Contest

