

Better DXing



# ADXA

Albuquerque DX  
Association

Good DX

Good Luck in the Contest!

<https://adxa.groups.io/>

**"Better DXing"**  
**Bill Mader**  
**K8TE@ARRL.net**

**LIFE IS SIMPLE**



<https://www.dukecityhamfest.org/>

# Today's Agenda

- What is DX?

# Today's Agenda

- What is DX?
- Antennas, Antennas, Antennas

# Today's Agenda

- What is DX?
- Antennas, Antennas, Antennas
- Learn to Use the Tools

# Today's Agenda

- What is DX?
- Antennas, Antennas, Antennas
- Learn to Use the Tools
- Duh! Use the Tools

# Today's Agenda

- What is DX?
- Antennas, Antennas, Antennas
- Learn to Use the Tools
- Duh! Use the Tools
- A Day in the Life of a DX'r

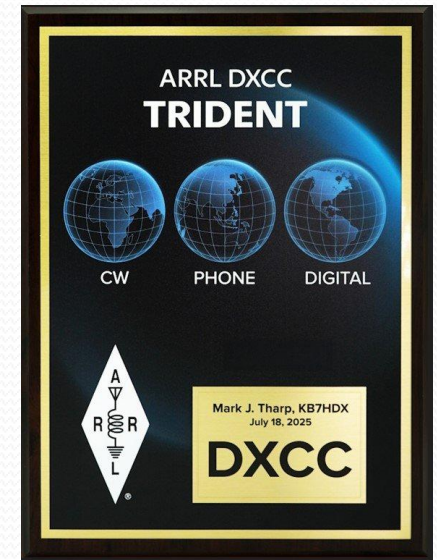
# Today's Agenda

- What is DX?
- Antennas, Antennas, Antennas
- Learn to Use the Tools
- Duh! Use the Tools
- Know Where You Are (Headed)?



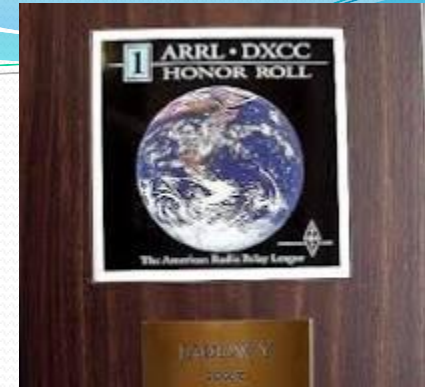
# What is DX?

- “Long” Distance
- DXCC DX Century Club
- 5BDXCC (5 Bands)
- 9BDXCC
- Your Favorite Mode(s)
- Trident Award



# What is DX?

- DXCC Challenge
- Honor Roll
- Most Wanted
- LoTW
- QSL Cards  
Card Checking



Rank	Prefix	Entity Name
1.	P5	DPRK (NORTH KOREA)
2.	BS7H	SCARBOROUGH REEF
3.	CE0X	SAN FELIX ISLANDS
4.	BV9P	PRATAS ISLAND
5.	KH7K	KURE ISLAND
6.	KH3	JOHNSTON ISLAND
7.	3Y/P	PETER 1 ISLAND
8.	FT5/X	KERGUELEN ISLAND
9.	YV0	AVES ISLAND
10.	3Y/B	BOUVET ISLAND

# Antenna, Antenna, Antenna

- Best You Can Afford
- Best You Can Fit
- As High as You Can Get It!
- Aimed at the Target(s)  
DXpeditions
- VY2TT 40m →



# Antenna, Antenna, Antenna

- Best You Can Afford
- Best You Can Fit
- As High as You Can Get It!
- Aimed at the Target(s)  
DXpeditions
- K8TE All Bands
- Add a Vertical 40-10m
- Add a Beam...



# Learn the Tools

- Equipment Capabilities RTFM
- DX Cluster Spots
- Point and Shoot Operating
- Propagation

<b>Call</b> <span>New!</span>	<b>Date</b>	<b>Band</b>	<b>Mode</b>
AM70URE/8	2019/05/28	20	SSB
<b>Name</b>	<b>State</b>	<b>County</b>	<b>Frequency</b>
			14.16550

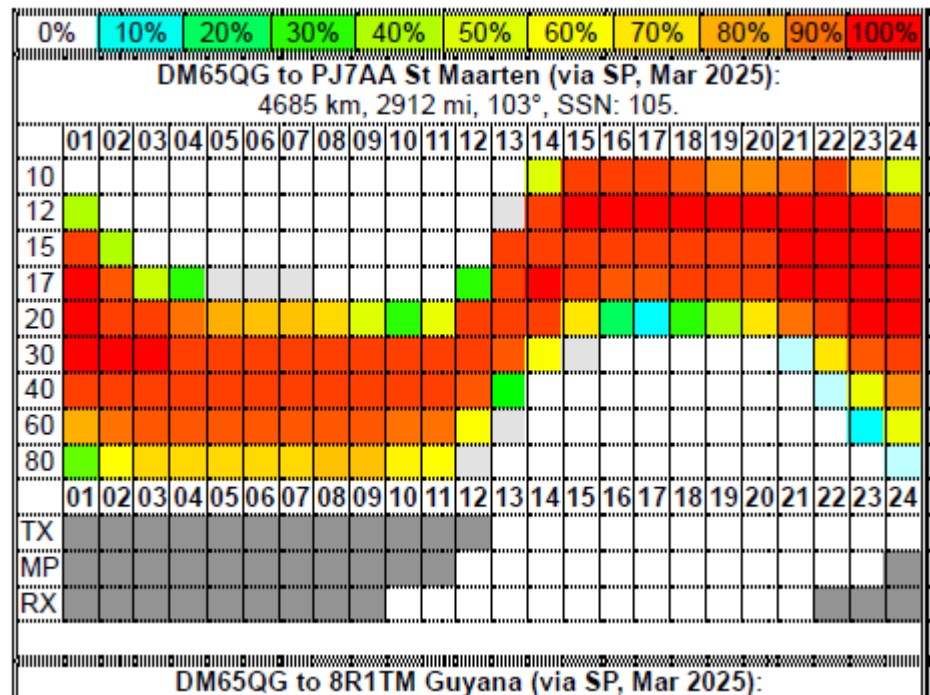
Bearing: 50  
Miles: 5,218  
Cont: EU

Call	Frequency	QTH	Band	Mode	Status
PA3FXB	144.1750	Netherlands	2	SSB	New!
CS5BFM/B	70.1630	Portugal	4	SSB	New!
AM70R	21.0200	Spain	15	CW	New!



# Use the Tools

- Don't Need It? Move On
- Spots—Logger—Radio—Antenna
- Become a Propagation Guru
- Use VOACAP



# Where Are You (Headed)?

- DXLab Suite
  - ACLog
  - ClubLog
- ## DX Report:

### Solar activity

The following data are recorded for 1

Date	SFI	A	K
2025-08-15	130	11	2.00
2025-08-14	140	15	3.00
2025-08-13	152	14	3.00
2025-08-12	146	17	2.67
2025-08-11	153	22	3.00
2025-08-10	140	47	4.33
2025-08-09	148	22	4.67






### Most active modes

This chart illustrates which modes are being used most heavily during the period of this report.

Mode	% Use	QSOs	Graph
FT8	69.97	535,996	<div></div>
CW	14.89	114,054	<div></div>
SSB	8.78	67,245	<div></div>
FT4	4.87	37,278	<div></div>

# ClubLog

- On-Line Database
- DXCC Progress/Needed Entities
- YOU Provide Most Needed Inputs
- OQRS
- Club Members LeaderBoard

Year	Number of DXCCs	Number of QSOs	QSOs as Percent	
2025	72	923	CW: 19.72% Phone: 20.59% Data: 59.70%	
2024	166	20093	CW: 5.88% Phone: 3.34% Data: 90.78%	
2023	177	19366	CW: 7.85% Phone: 8.63% Data: 83.52%	
2022	144	24485	CW: 3.33% Phone: 2.83% Data: 93.84%	
2021	149	39021	CW: 5.28% Phone: 2.69% Data: 92.03%	



# DX Lab Suite

Commander

DXView

DXKeeper

Launcher

Pathfinder

PropView

SpotCollector

WinWarbler

- Logger but Much More!
- “Supports DXing Activities
- Logging
- QSLing
- Discovering QSL Routes
- Pursuing DXCC and TopList Awards

# DX Lab Suite

Commander

DXView

DXKeeper

Launcher

Pathfinder

PropView

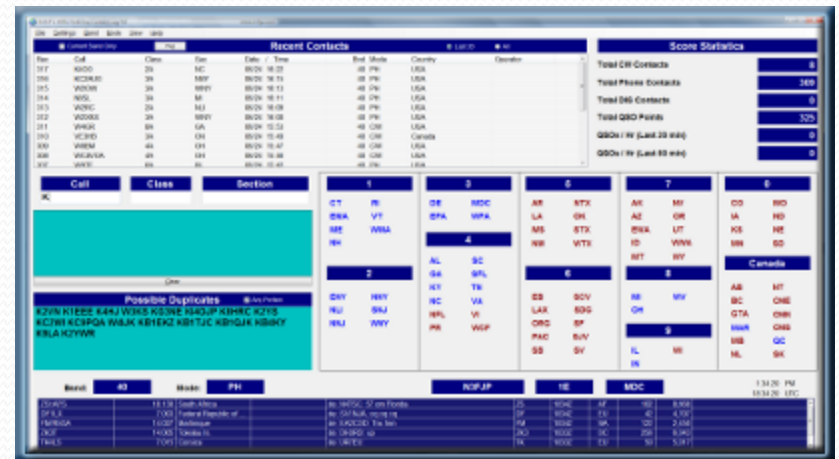
SpotCollector

WinWarbler

- Operating in PSK
- Operating in RTTY
- Identifying and Analyzing Active DX Stations
- DXing with DXLab
- Propagation Prediction and Monitoring with DXLab
- Are You Serious about DXing?
- Incredible Support & Free!
- Use DX Lab Suite!








# Where Are You (Headed)?

- N3FJP Amateur Contact Log \$39.99
- Among the Simplest to Use
- Versatility Incremental Improvements
- Adequate for “Typical” HF Operator



# A Day in the Life of a DX'r

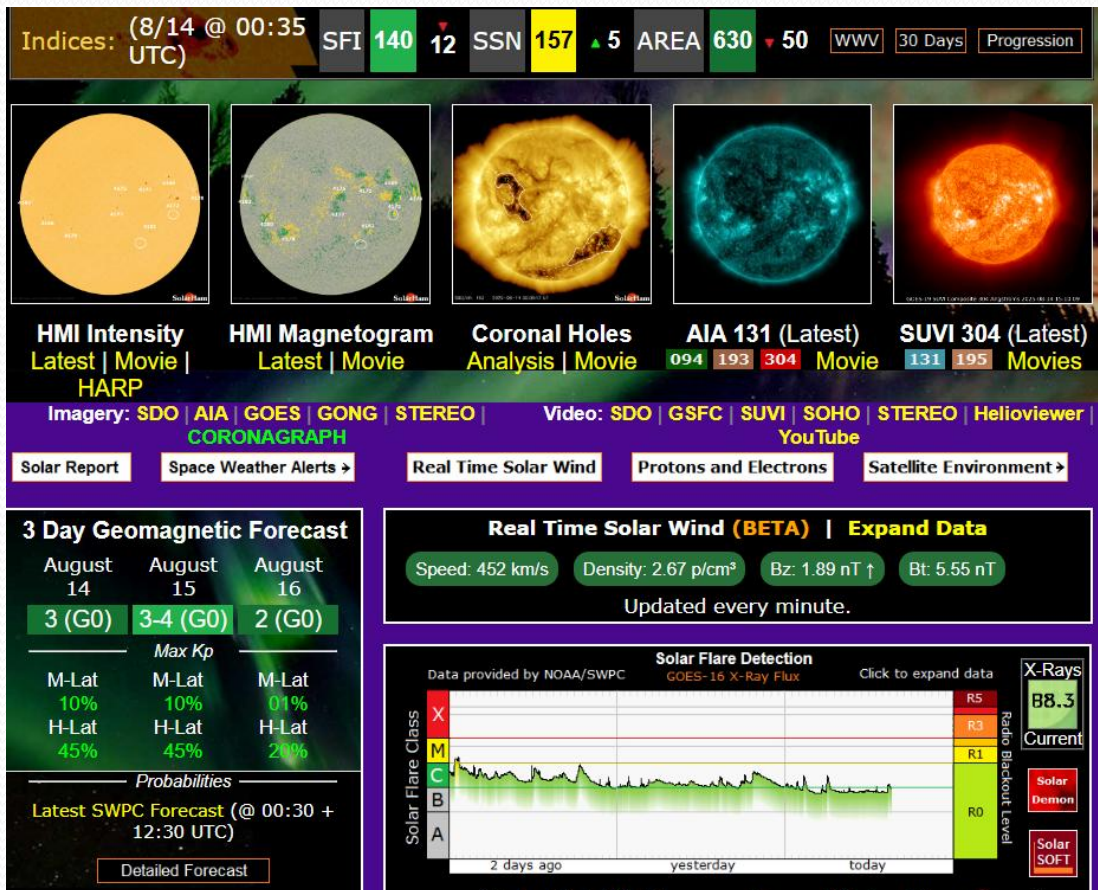
- Turn on Computer (Windows OS)
- Turn On the HF Transceiver
- Check Connection to a Cluster in My Logger
- Check Logger to Rig Connection
- Open a Browser to "Generic" DX Page
- Check DXWatch for DX I'm Following

de	dx	freq	obs
KD2DLL	 DG5AAG	7074.5	
W2TAD	 UN/OH7O	14074	[LoTW] FT8
K3KO	 RA3RMG	14244	tnx QSO 57 in IL
W5JMW	 VL4R	14193	contest
KD2DLL	 HA5CPN	7074.5	
W5JMW	 4Z4TJ	14185	
KD2DLL	 OK1ZCF	7072.5	

de	dx	freq
LU3MAM	 TY5FR	28012.2
IZ0VQU	 TY5FR	28012
HZ1BH	 TY5FR	28012
PY2EL	 TY5FR	28012
LZ1QV	 TY5FR	28012
PW8BR	 TY5FR	21270

# A Day in the Life of a DX'r

- Open [solarham.com](http://solarham.com) Daily Propagation Check



as of 16 Aug

Antarctica AllBut20,17m

Aug 18-Sep 7, 2025

Benin 80m

TY2AA

Aug 17-24, 2025

Aland Is 80,12M

Callsign: 0G0C

Aug 12-24, 2025

Tanzania AllBut 20,17,12m

5H1UM

Aug 2-31, 2025

South Sudan NO QSLs

Z81D

Aug 17-25, 2025

Dodecanese AllBut20,15m

SV5/N3JWJ



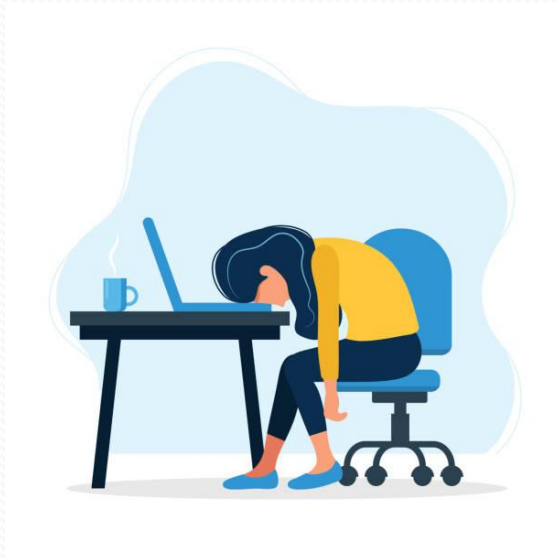
# A Day in the Life of a DX'r

- Pour the First Mug of Coffee



# A Day in the Life of a DX'r

- Pour the First Mug of Coffee



# A Day in the Life of a DX'r

- Pour the First Mug of Coffee





# A Day in the Life of a DX'r

- Get Some Rest!
- Pour the First Mug of Coffee
- Finally Got it Right!

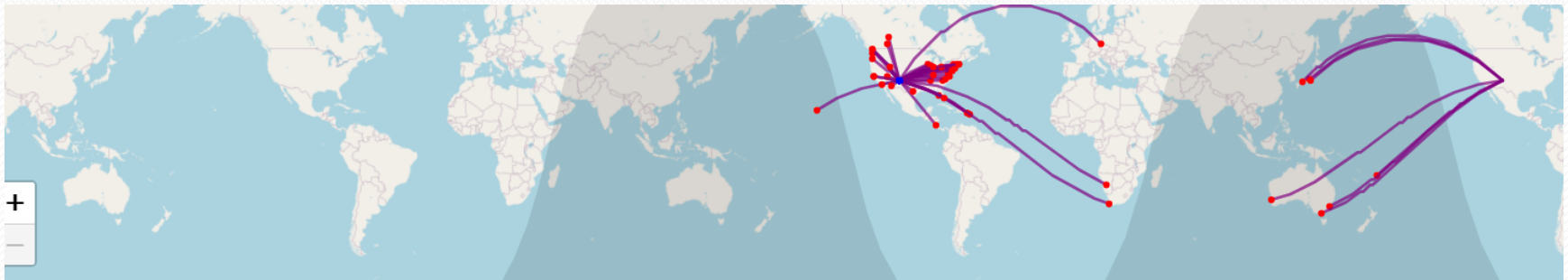


[illegible]

NIGER	5U	O	O	O	O	C	C	O	O	O	O
NIGERIA	5N	O	O	O	C	C	C	C	C	O	C
NIUE	E6	O	C	O	C	C	C	C	C	C	C
NORFOLK ISLAND	VK9N	O	O	O	C	O	O	C	C	W	W
NORTH COOK ISLANDS	E5/N	C	C	O	C	C	C	C	C	C	C

# A Day in the Life of a DX'r

## • Reverse Beacon Network



630m 160m 80m 60m 40m 30m 20m 17m 15m 12m 10m 6m 4m 2m

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

cw rtty psk31 psk63

☐ ☐ ☐ ☐

☐ CQ ☐ DX ☐ BCN ☐ /B ☐ NCDXF

















Consider supporting the RBN!

[Donate](#)

Max rows

• Spotter (de)

• Spott

allsign		spotter-callsign					K8TE	
spotter	spotted	distance mi	freq	mode	type	snr	speed	time
 VK6ANC	 K8TE	9996 mi	14068.6	CW	CQ	6 dB	25 wpm	1433z 16 Aug
 K7EK	 K8TE	1158 mi	14068.7	CW	CQ	10 dB	24 wpm	1432z 16 Aug
 N6TV	 K8TE	855 mi	14068.6	CW	CQ	7 dB	25 wpm	1432z 16 Aug
 KW7MM	 K8TE	313 mi	14068.6	CW	CQ	10 dB	25 wpm	1432z 16 Aug
 JH4UTP	 K8TE	6236 mi	14068.6	CW	CQ	7 dB	25 wpm	1431z 16 Aug
 WT9U	 K8TE	1197 mi	14068.7	CW	CQ	5 dB	25 wpm	1431z 16 Aug
 KD7EFG	 K8TE	534 mi	14068.6	CW	CQ	19 dB	24 wpm	1431z 16 Aug
 W1NT-6	 K8TE	1964 mi	14068.6	CW	CQ	7 dB	25 wpm	1431z 16 Aug

# A Day in the Life of a DX'r

- Act on Needed Spots!
- Log Them!
- Upload to LoTW!
- Complete/Mail QSL Cards.
- Respond to Received QSL's.
- Submit DXCC

<https://www.arrl.org/dxcc-application-forms>

Callsign	160	80	60	40	30	20	17	15	12	10	6	Total	Slots
K8TE	21	132	4	250	229	270	250	249	206	215	10	303	1836

# Duke City Hamfest



- A Real Convention  
Many Presentations  
Full Day Seminars  
Vendors, Private Sellers, Plus Tailgate
- Commercial Convention Center
- Keynote Speaker
- Many Prizes
- “Best Hamfest in the Southwest U.S.”
- [www.dukecityhamfest.org](http://www.dukecityhamfest.org)

# Summary

- What is DX?
- Antennas, Antennas, Antennas
- Learn to Use the Tools
- Duh! Use the Tools
- A Day in the Life of a DX'r





# DXing Resources

- <http://www.arrl.org/dxcc>
- DX Code of Conduct
- ARRL Operating Manual
- *QST*, *CQ Magazine*, *World Radio*  
DX Columns
- <https://www.arrl.org/wiaaw-bulletins-archive-dx>
- <https://clublog.org/mostwanted.php>
- DX Clubs (ADX) 3rd Wednesdays on Zoom
- <https://adxa.groups.io/g/main/topics>
-

# DXing Resources

- <https://dxwatch.com/dxsd1/dxsd1.php?f=111>
- <https://clublog.org/dxreport.html>
- <https://www.dxlabsuite.com/dxlabwiki/GettingStarted>
- <https://www.dailydx.com/>
- <https://www.n3fjp.com/faq.html>
- <https://www.voacap.com/>
- <https://www.arrl.org/news/the-arrrl-solar-report>