

CW DXCC in Six Months

A “How-To” Project

In 2015:

Phone for 53 years...

FINALLY “using” CW



Larry Banks, W1DYJ

First licensed: 1962 (KN1VFX)

W1DYJ since 1966 – Amateur Extra

33 Blueberry Hill Road Woburn MA

**9B-DXCC 8B-WAS-MA 6B-WAS-ME
6m-VUCC [565+ Grids]**

W1DYJ ~ Larry Banks



INDEXA

Abstract

Are you curious about CW? Have you wanted to try it out but thought it was too big a hill to climb? This talk may be for you.

In 2014, after 52 years as a ham and multiple attempts to learn CW, I finally decided to learn CW enough to not only use it, but to like it. Starting with my motivation, this talk describes my “project” to learn CW.

It discusses a CW training program, rig interfaces, my realization that CW CONTESTING was the best way to learn CW (and some contesting details), logging software, and finally my results, both short term and long term.



Agenda

By late 2015 after “phone only” for 53 years... FINALLY “using” CW

- **A Bit of History: the Motivation**
- **Preparing**
 - Project Goals
 - Learning CW
 - CW Hardware Interface
- **Operating with CW**
 - First contest: Dipping my toe in
 - A CW Contest Contact
 - CW Logging SW
- **Results, Update to 2023 & Summary**



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Comments:

I operate barefoot (100 watts)

I have modest antennas

I am not a touch-typist

*I only use what's between my ears
to decode CW*



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CAUTION

**Doing this could turn you into a serious DXer or
Contester and ruin your health...**



A Bit of History: the Motivation

Stratford Connecticut

March 1962 Novice KN1VFX / **5 WPM** HB 80M CW 807 / Gotham V80

February 1963 Tech K1VFX HB 6M AM 2E26 / HB 5 el yagi

September 1964 **First Contest** ARRL VHF (AM)

Massachusetts

Fall 1966 Additional Station License → **W1DYJ**

Summer 1969 Married → W1DYJ Dark Ages

Summer 1993 Separated → W1DYJ Renaissance

Fall 1993 Dipole in Apt Bedroom **1st 10M Contest** (1994 ARRL SSB)

Summer 1996 Bought home in Woburn → VHF Antennas & **VHF Contesting (SSB)**

Summer 1999 **W1HP Field Day group** → **HF contesting (still SSB)**

March 2001 Extra Class (CW grandfathered: original Tech @ 5 wpm)

Spring '11 Joined YCCC "Pressure" to get back to CW

Summer '14 Decide to finally "learn" CW

**This never worked.
As a result, I never
really learned CW.**

**With a 1-year
novice, I had to
upgrade. I loved
contesting...**

BUT only phone...



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- *I attacked this as an engineering project*
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Preparing ~ Project Goals

- Goal 1: Become comfortable with CW contesting
- Goal 2: CW DXCC
- Goal 3: Be able to ragchew in CW



Preparing: Learning CW

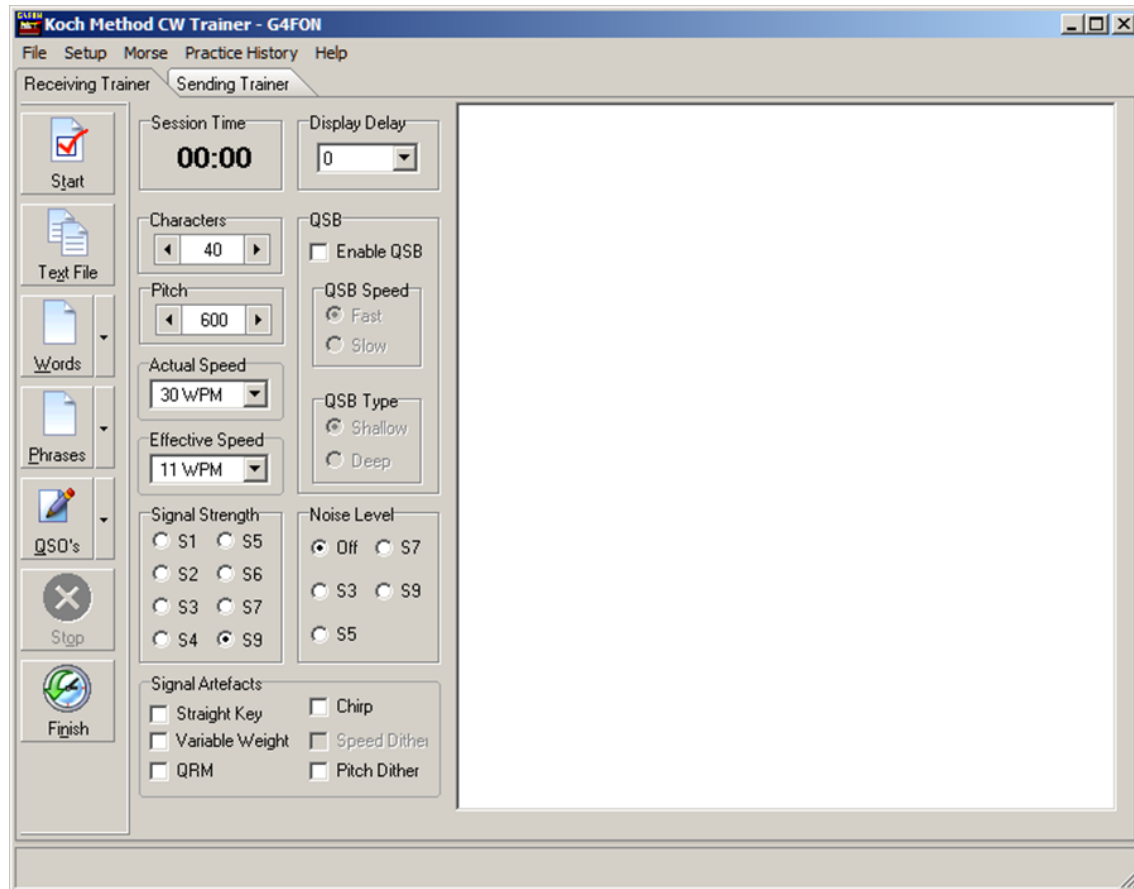
There are other CW “trainers” out there.

G4FON Koch Trainer < <http://www.g4fon.net/> >

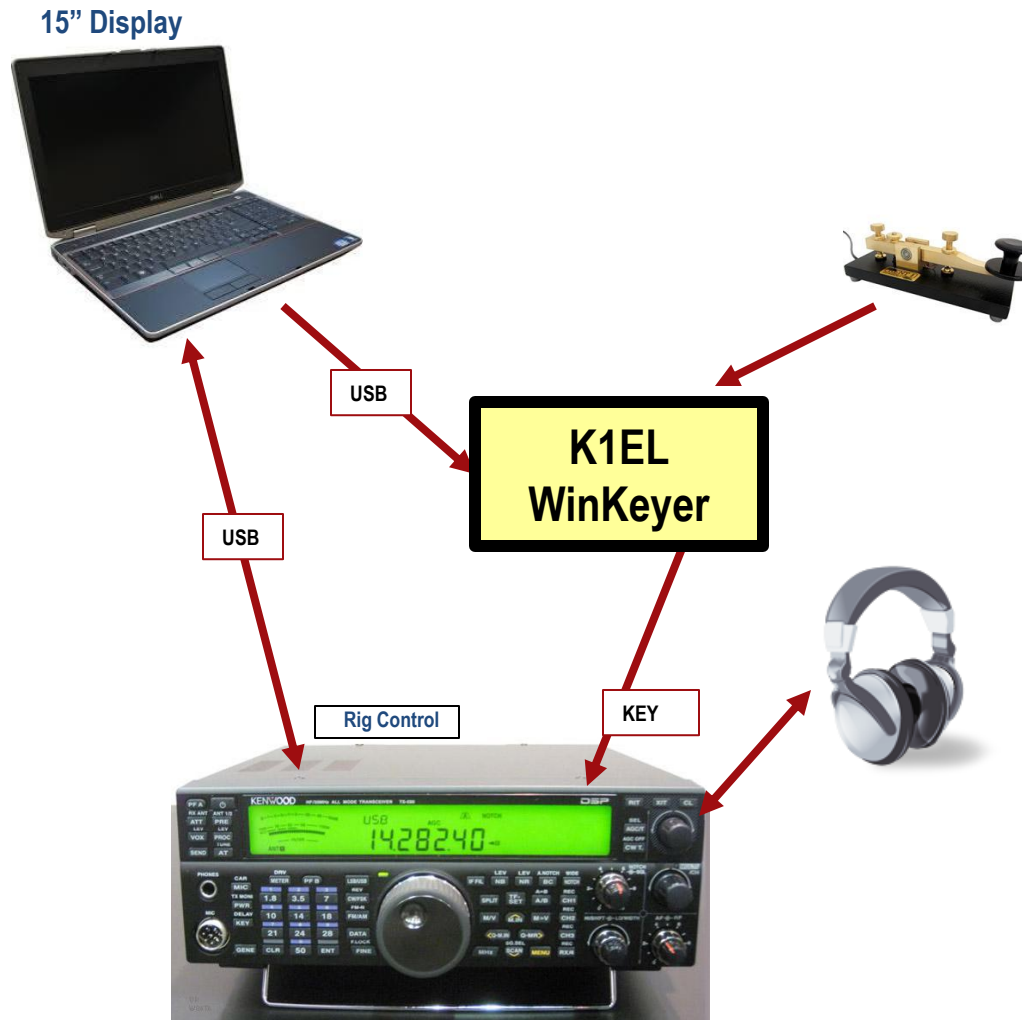
- Touch typing not required
- FREE
- 20 Min/day

A method of CW training developed by a German psychologist called Ludwig Koch back in the 1930's.

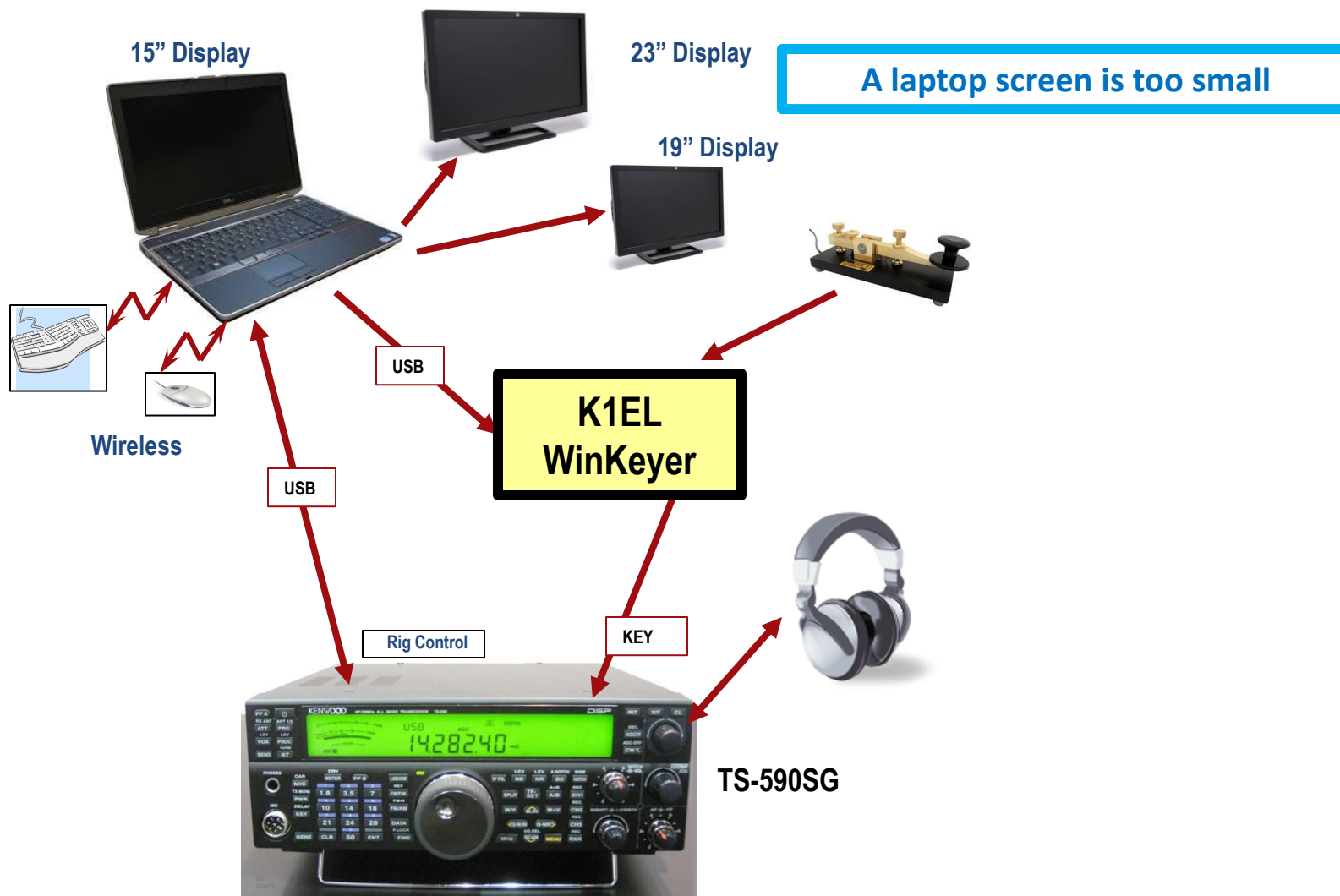
Koch came up with the idea that you should start off just learning **two letters at full speed** and add an additional letter once you reach 90% proficiency until you have mastered them all. Since you are only learning one new letter or figure at a time, your frustration is significantly reduced.



Preparing: CW Hardware Interface ~ simple



Preparing: CW Hardware Interface ~ better

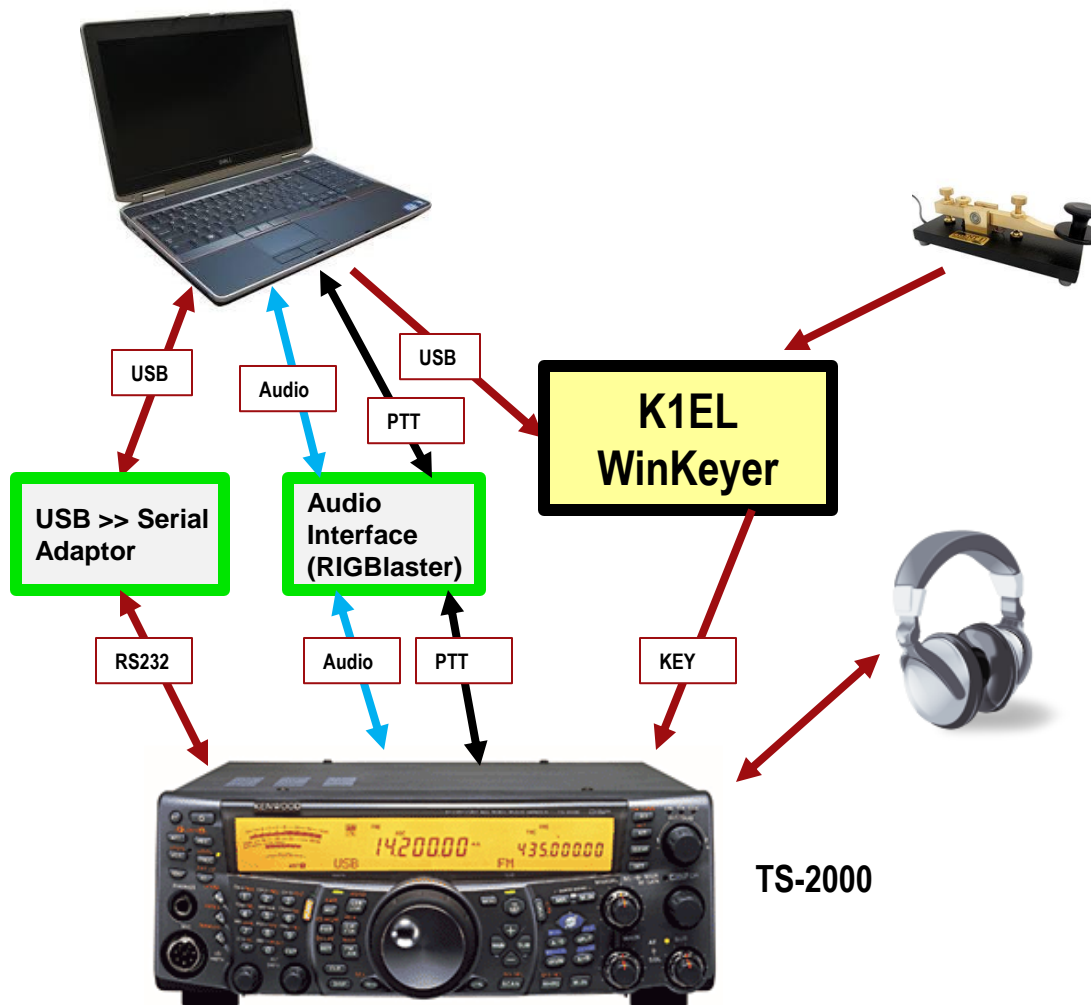


Preparing: CW Hardware Interface ~ copying code



I use my
computer to
SEND CW and
my ears to
HEAR CW

Preparing: CW Hardware Interface ~ older rigs



A rig without USB needs hardware interfaces for rig control and audio.

Back in 2015 I was using a TS-2000

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Operating: **First CW Contest - Dipping My Toe In**

The contest calendar starts in October with the “*Big Four*”

- **CQ WW DX SSB (Oct 4th Week End)**
- **CQ WW DX CW (Nov 4th Week End)**
- **ARRL International DX CW (Feb 3rd Week End)**
- **ARRL International DX SSB (Mar 1st Week End)**



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- I had entered the SSB contests a number of times – but never the CW ones

November 2014: CQ DX CW — I was curious to see what would happen!



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Turns out → The CQ CW contest was easier than I expected...

- Operating in assisted category – can use spotting assistance
- Simple “Standard” exchange
- “Easy” to recognize your own call
- Use computer to send CW
- No ESL issues as in SSB
- Signals are cleaner (150 Hz. Bandwidth)



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51 countries logged during 1st this contest! (I’m hooked...)



Operating: A CW Contest Contact

Exchanges:

CQ WW DX:

RST (599)

CQ-zone (for us= 5) NOT ITU Zone 8

ARRL 10M:

W/VE/XA:

RST

State/Prov 2-letter abbreviation

DX:

RST

Ser# 001 → nnnn

ARRL WW DX:

W/VE:

RST

State/Prov 2-letter abbreviation

DX:

RST

XmtPwr



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RST State/Prov 2-letter abbreviation

RST XmtPwr

Cut Numbers:

1 .- - - - → A . -

5 → E .

9 - - - - . → N - .

0 - - - - - → long T —
or letter O - - -



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ie: 599 - - - - . - - - - . → 5NN - . - .

Transmitter Power of 1000 watts:

1000 .- - - - - - - - - - - - - - -

→ ATTT .- - - -

→ often times just “K” - . -



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CQ WW DX:

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Transmitter Power of 1000 watts:

1000 .- - - - - - - - - - - - - - -

→ ATTT .- - - -

→ often times just “K” - - -

Q Signals:

QSL – Acknowledge

AGN – Again

QRZ – Call me

TU – Thank You

? .- - - .



Operating: A CW Contest Contact

A typical S&P exchange:

Them: **XP2XX** *Running*

You: **W1DYJ** **S&P** → **Search & Pounce** (*Click & Pounce*)

Them: **CQ XP2XX TEST**

You: **W1DYJ** (*just once!*)

Them: **W1AW...** (*be patient*)

Them: **TU XP2XX (QRZ)**

You: **W1DYJ**

Them: **W1DYJ 5nn 14**

You: **5nn 5 (TU)**

Them: **TU XP2XX (QRZ)**

Most DXpeditions:

Similar to CQ WWDX: (CQ XP2XX UP)



Operating: Logging SW

- Paper

- microHam
- Rig Expert
- dxBase
- StarLog
- Log4OM New!
- **N1MM+ Logger**
- WinLog32
- RCK Log
- LuxLog
- SD by EI5DI
- RCS by N4PY
- TRX-Manager
- MixW
- WriteLog
- Ham Radio Deluxe
- Win-EQF
- Logger32
- MRP40 CW Reader
- Swisslog

- Write your own SW

- RoverLog by N1MU
- Win-Test
- DXLab Suite
- **N3FJP Contest Logs**
- PDA's LOGic9
- DX4WIN
- CommCat by W6HN
- XMlog
- CQ/X de NO5W
- TurboLog
- MacLoggerDX
- Linux Daemon for WK by PA0R
- CQPWIN by AE6Y
- TR4W
- CQRlog for LINUX
- WinKeyUltra Software
- Win4K3 Suite
- CWtype v2.20

Products & Applications that support K1EL's WinKeyer in 2017



Operating: **Logging SW**

N1MM+ < <http://n1mm.hamdocs.com/tiki-index.php?page=HomePage> >

- Free
- One program – infinitely configurable, but complicated
- Design/support by committee/Groups.io
- Used by many “serious” contesters (#1)
- Not a general purpose logger



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N3FJP < <http://www.n3fjp.com/index.html> > *Scott Davis and family*

- Family of low cost (~\$9) contest programs (currently about 120 programs)
- Includes a compatible general log “ACLog” (\$40)
- Full package = \$60; includes lifetime upgrades and all new programs
- Each program is ready to go for that specific contest — “no” configuration
- Easy to learn and use (same user interface)
- Contest SW integrated (API) with ACLog for tracking awards
- Scott provides active support, plus an active email group on Groups.io



Operating: **Logging SW**

The following slides show the N3FJP CQ WW contest logger as an example of logging.

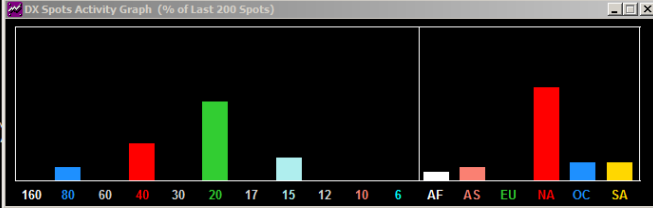
Any decent contest logger will have these features.

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Operating: N3FJP - CQ WW DX Contest Log



Band Map (Ctrl-E)

14.0319 KL7SB/VE

14.0500 K6KPH

14.0870 8P9JH

14.1900 ZS6TVB

14.2100 ZS6BYT

14.2660 YV1JGT

14.2765 W9C1Y

14.2900 K7JLF

14.3150 KB1HQS

14.3270 N3TWM/M

N3FJP's CQ WW DX Contest Log 5.2

www.n3fjp.com

File Settings Band View Help

Current Band & Mode

Recent Contacts

Rec	Call	Frequency	Mo...	Rcvd	CQz	Snt	Country	Date / Time	Bnd	Pnts
265	OM7M	7.12590	PH	59	15	59	Slovak Republic	10/30 23:26	40	3
264	ZD8W	14.22100	PH	59	36	59	Ascension I.	10/30 23:18	20	3
263	T17/W5AP	14.20860	PH	59	07	59	Costa Rica	10/30 23:15	20	2
262	ZY2A	14.16853	PH	59	11	59	Brazil	10/30 23:13	20	3
261	YN5Z	14.15395	PH	59	07	59	Nicaragua	10/30 23:11	20	2
260	EI7M	7.16780	PH	59	14	59	Ireland	10/30 22:54	40	3
259	KP2M	7.23070	PH	59	08	59	US Virgin Is.	10/30 22:14	40	2

Score Statistics

Total Contacts	265
Total QSO Points	677
Total Multipliers	210
Total Score	142,170
QSOs / Hr (Last 20 min)	0
QSOs / Hr (Last 60 min)	0

Call Rec CQz Snt Country

Call	Rec	CQz	Snt	Country
160 = 0 / 0	80 = 8 / 6	40 = 20 / 10	20 = 50 / 17	15 = 38 / 14
Bonaire	Aruba	Antigua & Bar	Aruba	Antigua & Bar
Canada	Aruba	Azores	Aruba	Argentina
Cuba	Ascension I.	Belize	Aruba	03 23
Puerto Rico	Canary Is.	Bonaire	Aruba	04 24
St. Kitts & Nevis	Ceuta & Melil	Bosnia-Herzeg	Aruba	05 25
Turks & Caicos I.	Costa Rica	Belize	Aruba	06 26
US Virgin Is.	Croatia	Bonaire	Aruba	07 27
USA	Cuba	Bosnia-Herzeg	Aruba	08 28
	Dominican Re	Belize	Aruba	09 29
	Ireland	Bonaire	Aruba	10 30
	Madeira Is.	Brazil	Aruba	11 31
	Mexico	Canada	Aruba	12 32
	Morocco	Canary Is.	Aruba	13 33
	Portugal	Cape Verde	Aruba	14 34
	Puerto Rico	Colombia	Aruba	15 35
	Slovak Repub	Costa Rica	Aruba	16 36
	Spain	Cuba	Aruba	17 37
		Croatia	Aruba	18 38
		Ecuador	Aruba	19 39
		France	Aruba	20 40

Bearing: Miles: Cont:

Start tracking on time: 13:53:37

Band: 20 Mode: CW

W1DYJ RS(T) 5

4:26:39 PM UTC

CW F (Ctrl+Shift+W)

F1: CQ TEST W1DYJ
F2: ((*)) 05 TU
F3: TU
F4: W1DYJ
F5: S
F6: * 05 05
F7: ((AGN?))
F8: ((NR?))
F9: VVV DE W1DYJ
F10: CL?
F11:

DX Spots Large (Ctrl+Shift+D)

Call	Frequency	QTH	Bearing	Status	Comments	Prefix	Time	Co...	Dist...
W9C	14.2765	USA	271		de: KC1BBU: tks for contact 5/9	W9	2021Z	NA	868
W9C	14.2765	USA	271		de: N1BMT: Walter Cronkite Memorial	W9	2019Z	NA	868
N2CX	7.0340	USA	259		de: WA2HMM: NPOTA WR03 NJ Joe	N	2018Z	NA	1,140
PJ4L	3.8950	Bonaire	174		de: W4CCW:	PJ4	2017Z	SA	2,099
W9C	14.2760	USA	271		de: KD4VJF: Walter Cronkite Memorial Speci	W9	2017Z	NA	868
HP1RN	21.0271	Panama	196		de: W3LPL: Heard in CT	HP	2015Z	NA	2,375
P3X	3.5200	Cyprus	55	Need 20 & Cntry!	de: W3LPL: Heard in CT	P3	2015Z	AS	5,253
8P9JH	14.0870	Barbados	158	Need Country!	de: W3FIZ: QSX 14088.20 RTTY	8P	2014Z	NA	2,138
YV1JGT	14.2660	Venezuela	171		de: KB2SYI: Good DX	YV	2013Z	SA	2,402
W4VIY	14.2740	USA	259		de: W3DWJ: NPOTA SS08	W	2013Z	NA	1,140
JY9FC	3.5337	Jordan	56	Need 20 & Cntry!	de: W3LPL: Heard in CT	JY	2013Z	AS	5,577
HK3W	14.0850	Colombia	185		de: W3FIZ: RTTY	HK	2012Z	SA	2,595
W9C	14.2765	USA	271		de: K4MIA: Walter Cronkite Memorial Speci	W9	2011Z	NA	868
K7JLF	14.2900	USA	284		de: KD4ADC: NPOTA NM04 (AZ)	K7	2010Z	NA	2,311
8P9JH	14.0870	Barbados	158	Need Country!	de: K4RUM: up 1	8P	2010Z	NA	2,138
N3TWM/M	14.3270	USA	259		de: N3TWM/M: Npota ns67	N	2008Z	NA	1,140
A31MM	21.0050	Tonga	263	Need 32 & Cntry!	de: N3CZ:	A3	2008Z	OC	7,887

If you have one 23" display



Operating: N3FJP - CQ WW DX Contest Log

Logging Window

N3FJP's CQ WW DX Contest Log 5.2 www.n3fjp.com

File Settings Band View Help

Current Band & Mode: **160m**

Recent Contacts

Rec	Call	Frequency	Mo...	Rcvd	CQz	Snt	Country	Date / Time	Bnd	Pnts
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Call	Rec	CQz	Snt	Country

Clear Spot Last

Possible Duplicates ☒ Any Portion

Bearing: Miles: Cont: 13:53:37

Start tracking on time

Band: **20** Mode: **CW**

160 = 0 / 0 **80 = 8 / 6** **40 = 20 / 10** **20 = 50 / 17** **15 = 38 / 14** **10 = 35 / 12** **Zones**

Aruba	Antigua & Barb	Aruba	Antigua & Barb	01 21
Canada	Aruba	Azores	Argentina	02 22
Canada	Ascension I.	Barbados	Aruba	03 23
Puerto Rico	Austria	Belize	Aruba	04 24
St. Kitts & Nevis	Azores	Bonaire	Ascension I.	05 25
Turks & Caicos Is.	Bermuda	Bonaire	Belize	06 26
US Virgin Is.	Bonaire	Bosnia-Herzeg	Bonaire	07 27
USA	Brazil	Brazil	Bonaire	08 28
	Canada	Canada	Bonaire	09 29
	Dominican Re	Canary Is.	Brazil	10 30
	Ireland	Cayman Is.	Canary Is.	11 31
	Madeira Is.	Colombia	Chile	12 32
	Mexico	Colombia	Colombia	13 33
	Morocco	Costa Rica	Cuba	14 34
	Portugal	Croatia	Cuba	15 35
	Puerto Rico	Cuba	Curacao	16 36
	Slovak Republ	Costa Rica	Dominican Re	17 37
	Spain	Croatia	Ecuador	18 38
		Cuba	Easter I.	19 39
			France	20 40

W1DYJ RS(T) 5

4:26:39 PM
20:26:39 UTC



Operating: N3FJP - CQ WW DX Contest Log

Logging Window

[illegible]

Your Exchange: *from Settings >> Setup*



Operating: N3FJP - CQ WW DX Contest Log

Logging Window

N3FJP's CQ WW DX Contest Log 4.8 www.n3fjp.com

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88	CS2C	599	14	599	Portugal	11/30 23:36	20	CW	3
87	KL7RA	599	01	599	Alaska	11/30 23:21	15	CW	2
86	KP2Q	599	08	599	US Virgin Is.	11/30 23:09	40	CW	2
85	RX1A	599	16	599	European Russia	11/30 23:03	40	CW	3
84	K1ZZ	599	05	599	USA	11/30 22:59	40	CW	0

Score Statistics

Total Contacts	90
Total QSO Points	237
Total Multipliers	132
Total Score	31,284
QSOs / Hr (Last 20 min)	0
QSOs / Hr (Last 60 min)	0

Call	Rec	CQz	Snt	Country	160 = 0 / 0	80 = 5 / 5	40 = 22 / 10	20 = 17 / 13	15 = 28 / 13	10 = 10 / 9	Zones
						Aruba	Anguilla	Bonaire	Alaska	Argentina	01 21
						Canada	Belarus	Brazil	Antigua & Barb	Brazil	02 22
						Czech Republic	Bulgaria	Canada	Bosnia-Herzeg	Canada	03 23
						Ireland	Canada	Croatia	Brazil	England	04 24
						Ukraine	Croatia	Curacao	Canada	France	05 25
							Curacao	England	Canary Is.	Galapagos Is.	06 26
							Czech Republic	European Russ	Colombia	Hawaii	07 27
							England	Finland	Curacao	Madeira Is.	08 28
							European Russ	Honduras	Dominica	Montserrat	09 29
							Federal Republ	Mauritius	England	US Virgin Is.	10 30
							Hungary	Morocco	Federal Republ		11 31
							Lithuania	Portugal	France		12 32
							Madeira Is.	Puerto Rico	French Guiana		13 33
							Mexico	Spain	Guantanamo B		14 34
							Montserrat	Turkey	Hawaii		15 35
											16 36
											17 37
											18 38
											19 39
											20 40

DXCC Alert from ACLog

Clear Spot Last

Possible Duplicates ☒ Any Portion

Super Check Partial

Bearing: Miles: Cont: 00:00:03

Band: 20 Mode: CW 14.01500 W1DYJ RS(T) 5 5:53:56 PM 21:53:56 UTC



Operating: N3FJP - CQ WW DX Contest Log

Super Check Partial

Call	Rec	CQz	Snt	Country
K1K		05		USA

Pos Dups / Partial		<input checked="" type="checkbox"/> Any Portion
K1KP	DK1K DK1KC JK1KSB K1KA K1KAV	
K1KD	K1KDG K1KG K1KI K1KNJ K1KNQ	
K1KP	K1KQC K1KRN K1KS K1KU K1KX	



Operating: N3FJP - CQ WW DX Contest Log

Super Check Partial

DXCC Alert

Call	Rec	CQz	Snt	Country
K1K		05		USA

Pos Dupes / Partial	Any Portion
K1KP DK1K DK1KC JK1KSB K1KA K1KAV	
K1KD K1KDG K1KG K1KI K1KNJ K1KNQ	
K1KP K1KQC K1KRN K1KS K1KU K1KX	

Call	Rec	CQz	Snt	Coun
7XAA	599	33	599	Algeria

Algeria is confirmed, but hasn't been worked on 20 CW in your Amateur Contact Log file!

Possible Duplicates	Any Portion
---------------------	-------------

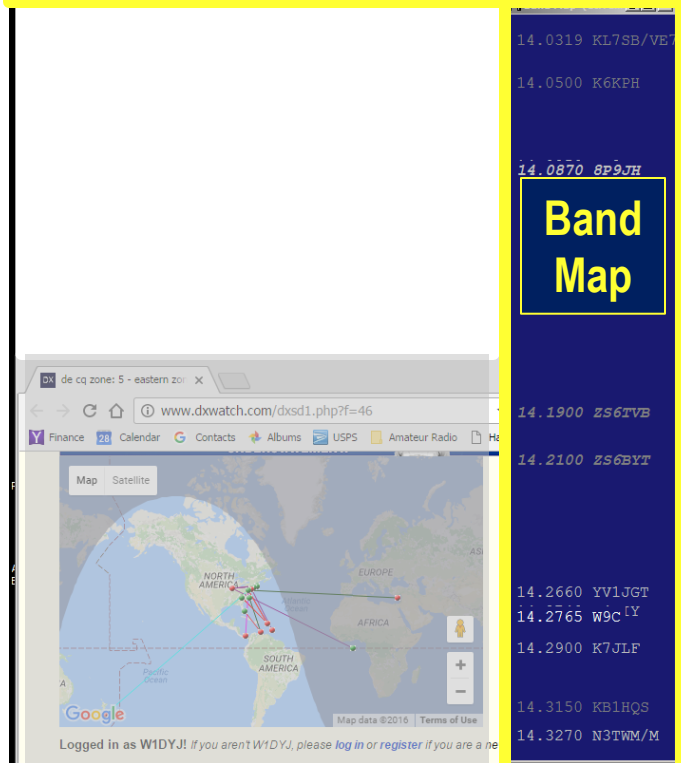
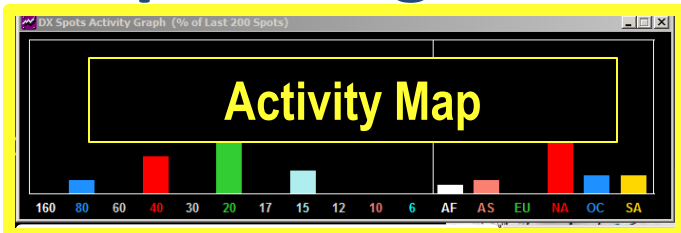
Integration with ALog

- Entity is an All Time New One
- Entity is not confirmed on any band or mode
- Entity is confirmed, but has not been worked on current band and mode
- Entity is confirmed, but is unconfirmed on current band and mode

Easy log migration into ALog at end of contest



Operating: N3FJP - CQ WW DX Contest Log



14.0319 KL7SB/VE
14.0500 K6KPH
14.0870 8P9JH
14.1900 ZS6TVB
14.2100 ZS6BYT
14.2660 YV1JGT
14.2765 W9C
14.2900 K7JLF
14.3150 KB1HQS
14.3270 N3TWM/M

N3FJP's CQ WW DX Contest Log 5.2

File Settings Band View Help

Recent Contacts

Rec	Call	Frequency	Mo...	Rcvd	CQz	Snt	Country	Date / Time	Bnd	Pnts
265	OM7M	7.12590	PH	59	15	59	Slovak Republic	10/30 23:26	40	3
264	ZD8W	14.22100	PH	59	36	59	Ascension I.	10/30 23:18	20	3
263	T17/W5AP	14.20860	PH	59	07	59	Costa Rica	10/30 23:15	20	2
262	ZY2A	14.16853	PH	59	11	59	Brazil	10/30 23:13	20	3
261	YN5Z	14.15395	PH	59	07	59	Nicaragua	10/30 23:11	20	2
260	EI7M	7.16780	PH	59	14	59	Ireland	10/30 22:54	40	3
259	KP2M	7.23070	PH	59	09	59	US Virgin Is.	10/30 22:14	40	2

Score Statistics

Total Contacts	265
Total QSO Points	677
Total Multipliers	210
Total Score	142,170
QSOs / Hr (Last 20 min)	0
QSOs / Hr (Last 60 min)	0

Call Rec CQz Snt Country

160 = 0 / 0 80 = 8 / 6 40 = 20 / 10 20 = 50 / 17 15 = 38 / 14 10 = 35 / 12 Zones

Aruba Canada Bermuda Ascension I. Puerto Rico St. Kitts & Nevis Turks & Caicos I. US Virgin Is. USA

Antigua & Barb. Aruba Ascension I. Austria Azores Bonaire Bosnia-Herzegovina Brazil Bulgaria Canada Cayman Is. Colombia Costa Rica Cuba Dominican Republic Ecuador France

Clear Spot Last

Possible Duplicates ☒ Any Portion

Bearing: Miles: Cont: 13:53:37

Band: 20 Mode: CW

W1DYJ RS(T) 5 4:26:39 PM 20:26:39 UTC

F1: CQ TEST W1DYJ
F2: ((*)) 05 TU

CW Strings Form

Call	Frequency	QTH	Bearing	Status	Comments	Prefix	Time	Co...	Dist...
W9C	14.2765	USA	271		de: KC1BBU: lks for contact 5/9	W9	2021Z	NA	868
W9C	14.2765	USA	271		de: N1BMT: Walter Cronkite Memorial	W9	2019Z	NA	868
W2CX	7.0340	USA	259		de: WA2HMM: NPOTA WR03 NJ Joe	N	2018Z	NA	1,140
PJ4L	3.8950	Bonaire				PJ4	2017Z	SA	2,099
W9C	14.2760	USA				W9	2017Z	NA	868
HP1RN	21.0271	Panama				HP	2015Z	NA	2,375
P3X	3.5200	Cyprus				P3	2015Z	AS	5,253
8P9JH	14.0870	Barbados				8P	2014Z	NA	2,138
YV1JGT	14.2660	Venezuela				YV	2013Z	SA	2,402
W4VIY	14.2740	USA				W	2013Z	NA	1,140
Y9FC	3.5337	Jordan				JY	2013Z	AS	5,577
HK3W	14.0850	Colombia				HK	2012Z	SA	2,595
W9C	14.2765	USA				W9	2011Z	NA	868
K7JLF	14.2900	USA				K7	2010Z	NA	2,311
8P9JH	14.0870	Barbados	158	Need Country!	de: K4RUM: up 1	8P	2010Z	NA	2,138
N3TWM/M	14.3270	USA	259		de: N3TWM/M: Npota ns67	N	2008Z	NA	1,140
A31MM	21.0050	Tonga	263	Need 32 & Entry!	de: N3CZ:	A3	2008Z	OC	7,887

Spotting Window

F1: CQ TEST W1DYJ
F2: ((*)) 05 TU

Settings



Operating: N3FJP - CQ WW DX Contest Log

Spotting Window → *Assisted Entry*

DX Spots Large (Ctrl+Shift D)										
Call	Frequency	QTH	Status	Comments	Prefix	Time	Co...	Bearing	Dista...	
SX10TARG	7.0091	Greece	Need Country!	de: IW2NBW:	SX	2156Z	EU	58	4,475	
RP70FG	7.0880	European Russia		de: RD1AH: LSB	R	2153Z	EU	37	4,578	
AO150O	7.0120	Spain	Need Country!	de: DL5AWI:	AO	2152Z	EU	70	3,256	
EM70U	14.0170	Ukraine	Need Country!	de: UX7UA:	EM	2151Z	EU	45	4,369	
R120A	7.0995	European Russia		de: UY2ZZ:	R	2151Z	EU	37	4,578	
AO150N	7.0110	Spain	Need Country!	de: DL5AWI:	AO	2151Z	EU	70	3,256	
AO150H	7.0400	Spain	Need Country!	de: EA7JW: rtty	AO	2151Z	EU	70	3,256	
8J1KJ	14.0760	Japan	Need 25 & Cntry!	de: JK3JQ: JT65 Event Station	8J	2150Z	AS	337	6,611	
EA3DD	14.0075	Spain		de: JG2KJU: TNX MANU	EA	2150Z	EU	70	3,256	
N2L	14.0374	USA		de: EW4DW: tks QSO	N	2150Z	NA	256	1,213	
EM70F	7.0100	Ukraine	Need Country!	de: DL5AWI:	EM	2150Z	EU	45	4,369	
RP70AP	3.5132	European Russia	Need Country!	de: RM4D: tnx QSO	R	2150Z	EU	37	4,578	
TM0GA	14.0030	France	Need Country!	de: F5MAG: ca ja or asia	TM	2150Z	EU	61	3,400	
FW5JJ	21.0110	Wallis & Futun...	Need 32 & Cntry!	de: JP1EWY: CQ	FW	2149Z	OC	271	7,650	
IT9CFP	14.0840	Sicily	Need Country!	de: JA1WLO: rtty on freq. op jose	IT9	2149Z	EU	64	4,228	
4Z5FW	14.0230	Israel	Need Country!	de: JG1MUY: tnx	4Z	2148Z	AS	58	5,409	
ER70V	7.0131	Moldova	Need Country!	de: RM4D: tnx QSO	ER	2148Z	EU	48	4,459	
RP70FG	7.0899	European Russia		de: RD1AH: LSB	R	2146Z	EU	37	4,578	

Click on entry → Transceiver moves to that frequency & mode

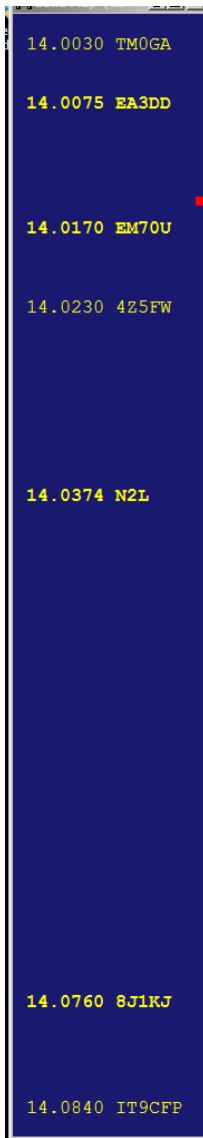
For CQ WW: Stations → count on each band
Multipliers → countries & zones on each band

Spots are often incorrect

EZ4EDL - Turkmenistan

→ E74EDL - Bosnia-Herzegovina

Operating: N3FJP - CQ WW DX Contest Log



14.0030	TM0GA
14.0075	EA3DD
14.0170	EM70U
14.0230	4Z5FW
14.0374	N2L
14.0760	8J1KJ
14.0840	IT9CFP

Band Map → *Assisted Entry*

Displays
stations by
frequency
position of
for current
band

Click on entry:
→ Transceiver moves to
that frequency & mode



Operating: N3FJP - CQ WW DX Contest Log

14.0030	TM0GA
14.0075	EA3DD
14.0170	EM70U
14.0230	4Z5FW
14.0374	N2L
14.0760	8J1KJ
14.0840	IT9CFP

Band Map

Displays stations by frequency position of for current band

CW Strings Form

Click on entry:
→ Transceiver sends that CW string

CW F (Ctrl > Shift W)	
F1:	CQ TEST DE
F2:	((* 5))
F3:	TU
F4:	W1DYJ
F5:	\$
F6:	* 05 05
F7:	AGN?
F8:	NR?
F9:	VVV DE W1DYJ
F10:	CL?
F11:	
Settings	



Operating: N3FJP - CQ WW DX Contest Log

14.0030	TM0GA
14.0075	EA3DD
14.0170	EM70U
14.0230	4Z5FW
14.0374	N2L
14.0760	8J1KJ
14.0840	IT9CFP

Band Map

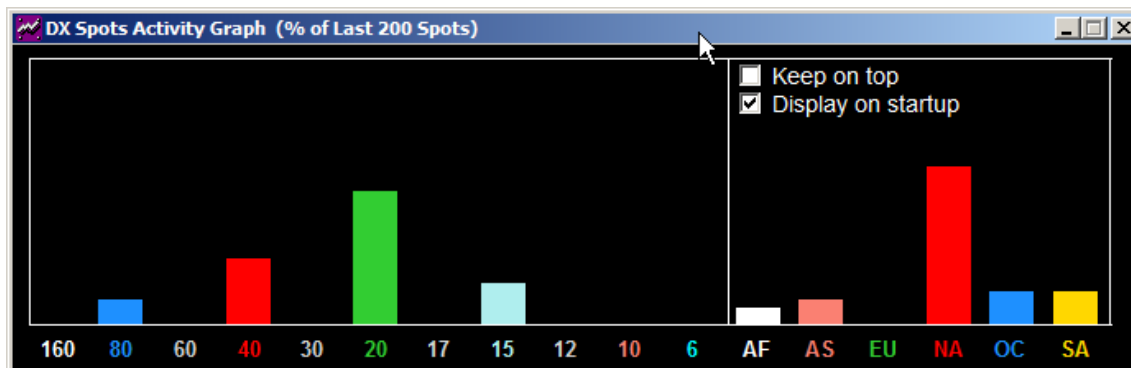
Displays stations by frequency position of for current band

CW Strings Form

Click on entry:
→ Transceiver sends that CW string

CW F (Ctrl > Shift W)	
F1:	CQ TEST DE
F2:	((* 5))
F3:	TU
F4:	W1DYJ
F5:	\$
F6:	* 05 05
F7:	AGN?
F8:	NR?
F9:	VVV DE W1DYJ
F10:	CL?
F11:	
Settings	

Activity Map



Operating: N3FJP - CQ WW DX Contest Log

14.0030	TM0GA
14.0075	EA3DD
14.0170	EM70U
14.0230	4Z5FW
14.0374	N2L
14.0760	8J1KJ
14.0840	IT9CFP

Band Map

Displays stations by frequency position of for current band

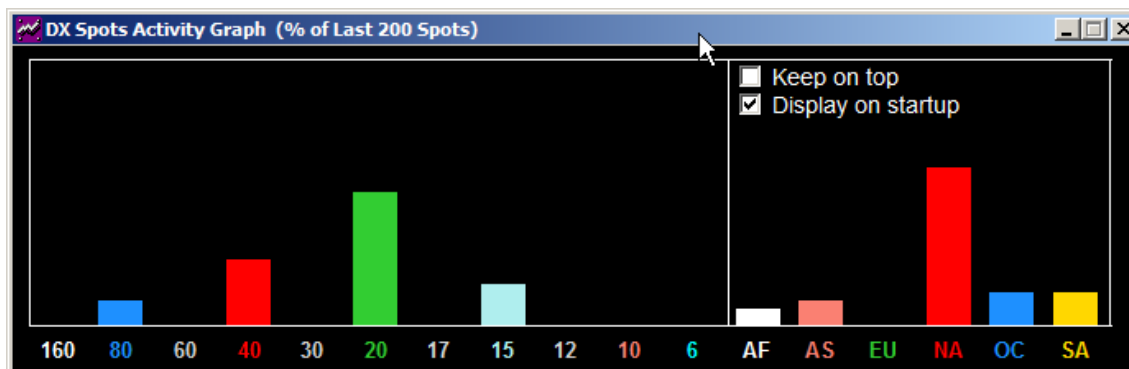
CW Strings Form

Click on entry
→ Transceiver sends that CW string

CW F (Ctrl > Shift W)	
F1:	CQ TEST DE
F2:	((* 5))
F3:	TU
F4:	W1DYJ
F5:	\$
F6:	* 05 05
F7:	AGN?
F8:	NR?
F9:	VVV DE W1DYJ
F10:	CL?
F11:	
Settings	

Also interfaces to:
N7YG's **Digital Engine** and **PSK Express**
Fldigi **WSJT-X** **JT Alert**
W4ELP Lookup Bridge program for
Ham Radio Deluxe / DM780

Activity Map



Operating: DXMaps.com

N3JJP's CQ WW DX Contest Log 5.2

File Settings Band View Help

Recent Contacts

Rec	Call	Frequency	Mo...	Rcvd	CQz	Snt	Country	Date / Time	Bnd	Pnts
265	OM7M	7.12590	PH	59	15	59	Slovak Republic	10/30 23:26	40	3
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263	T17/W5AP	14.20860	PH	59	07	59	Costa Rica	10/30 23:15	20	2
262	ZY2A	14.16853	PH	59	11	59	Brazil	10/30 23:13	20	3
261	YN5Z	14.15395	PH	59	07	59	Nicaragua	10/30 23:11	20	2
260	EI7M	7.16780	PH	59	14	59	Ireland	10/30 22:54	40	3
259	KP2M	7.23070	PH	59	08	59	US Virgin Is.	10/30 22:14	40	2

Score Statistics

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QSOs / Hr (Last 60 min)	0

Call	Rec	CQz	Snt	Country
160 = 0 / 0	80 = 8 / 6	40 = 20 / 10	20 = 50 / 17	15 = 38 / 14
Bonaire	Aruba	Antigua & Bar	Aruba	Antigua & Bar
Canada	Bermuda	Azores	Ascension I.	Argentina
Cuba	Canary Is.	Belize	Austria	Aruba
Puerto Rico	Ceuta & Melil	Bonaire	Azores	Ascension I.
St. Kitts & Nevis	Costa Rica	Bosnia-Herzeg	Bonaire	Belize
Turks & Caicos I.	Croatia	Brazil	Bonaire	Bonaire
US Virgin Is.	Cuba	Canada	Brazil	Brazil
USA	Dominican Re	Canary Is.	Canary Is.	Canary Is.
	Ireland	Cayman Is.	Cayman Is.	Cayman Is.
	Madeira Is.	Colombia	Colombia	Chile
	Mexico	Costa Rica	Colombia	Colombia
	Morocco	Croatia	Cuba	Cuba
	Portugal	Cuba	Curacao	Cuba
	Puerto Rico	Costa Rica	Dominican Re	Dominican Re
	Slovak Repub	Ecuador	Easter I.	Easter I.
	Spain	France	France	France

Bearing: Miles: Cont: 13:53:37

Band: 20 Mode: CW

W1DYJ RS(T) 5

4:26:39 PM 20:26:39 UTC

DX Spots Large (Ctrl+Shift D)

Call	Frequency	QTH	Bearing	Status	Comments	Prefix	Time	Co...	Dist...
W9C	14.2765	USA	271		de: KC1BBU: tks for contact 5/9	W9	2021Z	NA	868
W9C	14.2765	USA	271		de: N1BMT: Walter Cronkite Memorial	W9	2019Z	NA	868
N2CX	7.0340	USA	259		de: WA2HMM: NPOTA WR03 NJ Joe	N	2018Z	NA	1,140
PJ4L	3.8950	Bonaire	174		de: W4CCW:	PJ4	2017Z	SA	2,099
W9C	14.2760	USA	271		de: KD4VJF: Walter Cronkite Memorial Speci	W9	2017Z	NA	868
HP1RN	21.0271	Panama	196		de: W3LPL: Heard in CT	HP	2015Z	NA	2,375
P3X	3.5200	Cyprus	55	Need 20 & Cntry!	de: W3LPL: Heard in CT	P3	2015Z	AS	5,253
8P9JH	14.0870	Barbados	158	Need Country!	de: W3FIZ: QX 14088.20 RTTY	8P	2014Z	NA	2,138
YV1JGT	14.2660	Venezuela	171		de: KB2SYI: Good DX	YV	2013Z	SA	2,402
W4VY	14.2740	USA	259		de: W3DWJ: NPOTA SS08	W	2013Z	NA	1,140
JY9FC	3.5337	Jordan	56	Need 20 & Cntry!	de: W3LPL: Heard in CT	JY	2013Z	AS	5,577
HK3W	14.0850	Colombia	185		de: W3FIZ: RTTY	HK	2012Z	SA	2,595
W9C	14.2765	USA	271		de: K4MIA: Walter Cronkite Memorial Speci	W9	2011Z	NA	868
K7JLF	14.2900	USA	284		de: KD4ADC: NPOTA NM04 (AZ)	K7	2010Z	NA	2,311
8P9JH	14.0870	Barbados	158	Need Country!	de: K4RUM: up 1	8P	2010Z	NA	2,138
N3TWM/M	14.3270	USA	259		de: N3TWM/M: Npota ns67	N	2008Z	NA	1,140
A31MM	21.0050	Tonga	263	Need 32 & Cntry!	de: N3CZ:	A3	2008Z	OC	7,887

CW DXCC in 6 Months — August 2023

Page 40

W1DYJ ~ Larry Banks

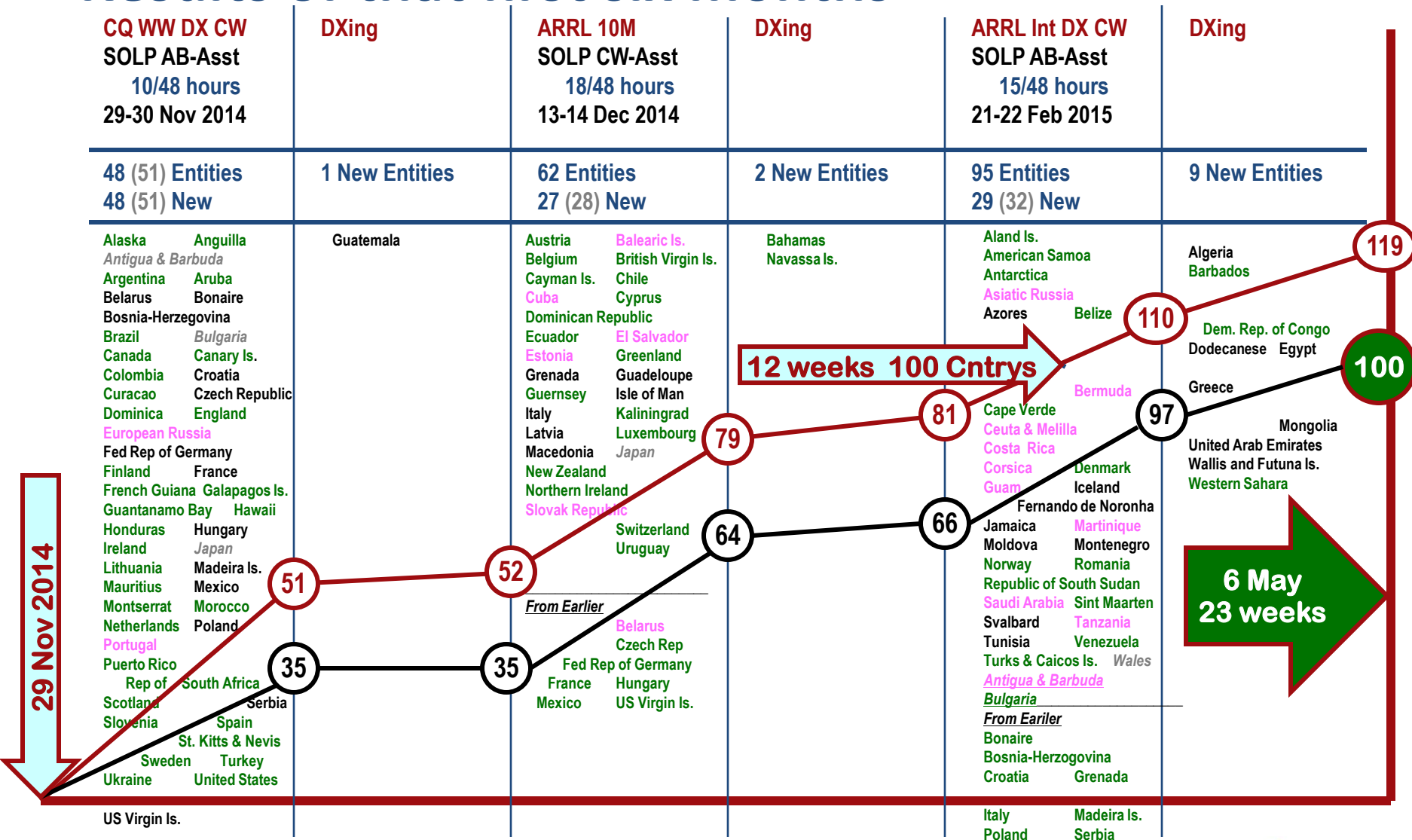
Agenda

By late 2015 after “phone only: for 53 years... FINALLY “using” CW

- A Bit of History: the motivation
- Preparing
 - Project Goals
 - Learning CW “*Well Enough*”
 - CW Hardware Interfaces
- Operating
 - First contest: Dipping my toe in
 - A CW Contest Contact
 - CW Logging SW
- Results, Update to 2023 & Summary

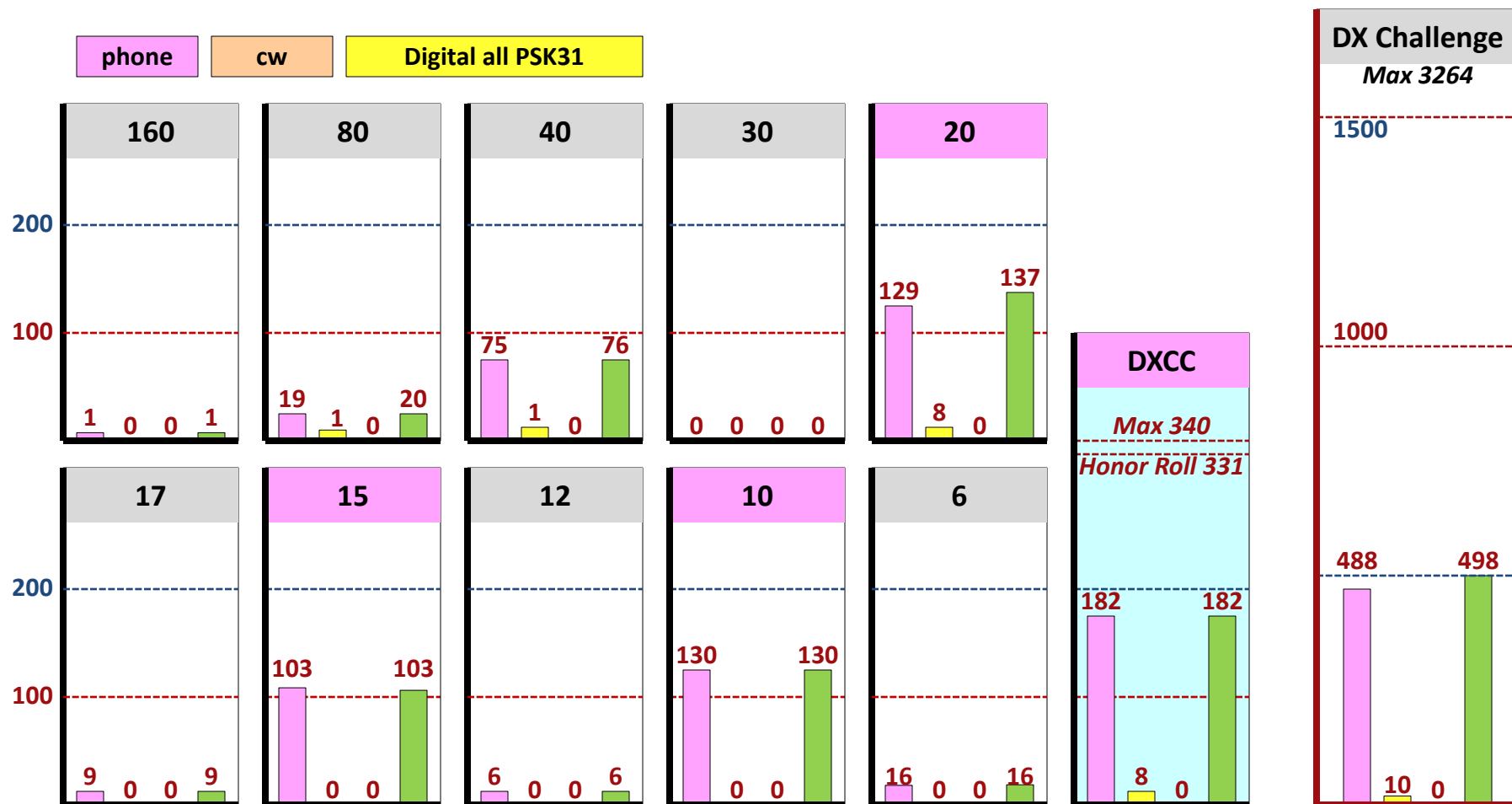


Results of that first six months

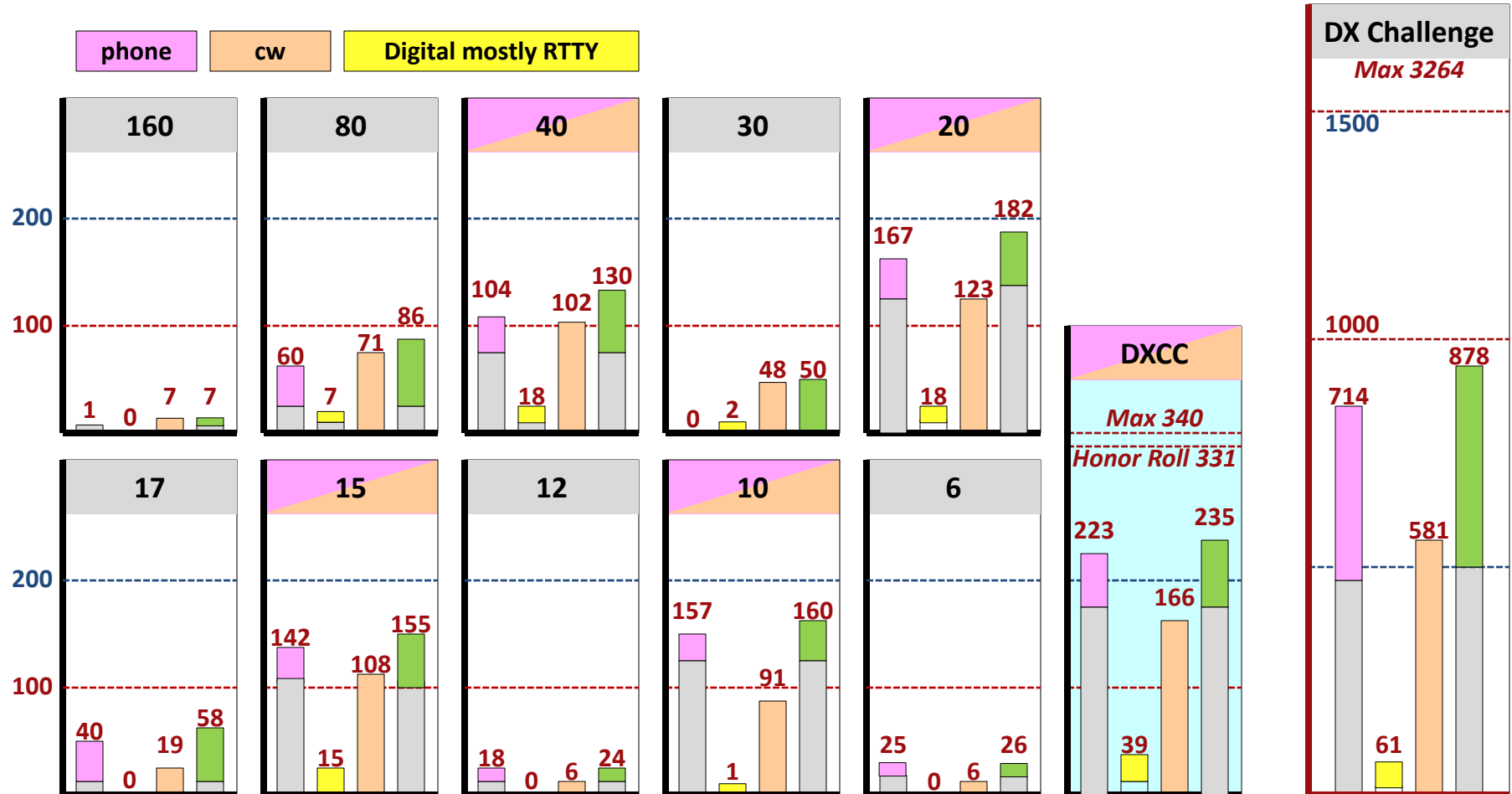


KEY: LoTW QSL Card Not Confirmed NIL

Results — April 2014: Confirmed before CW DXCC

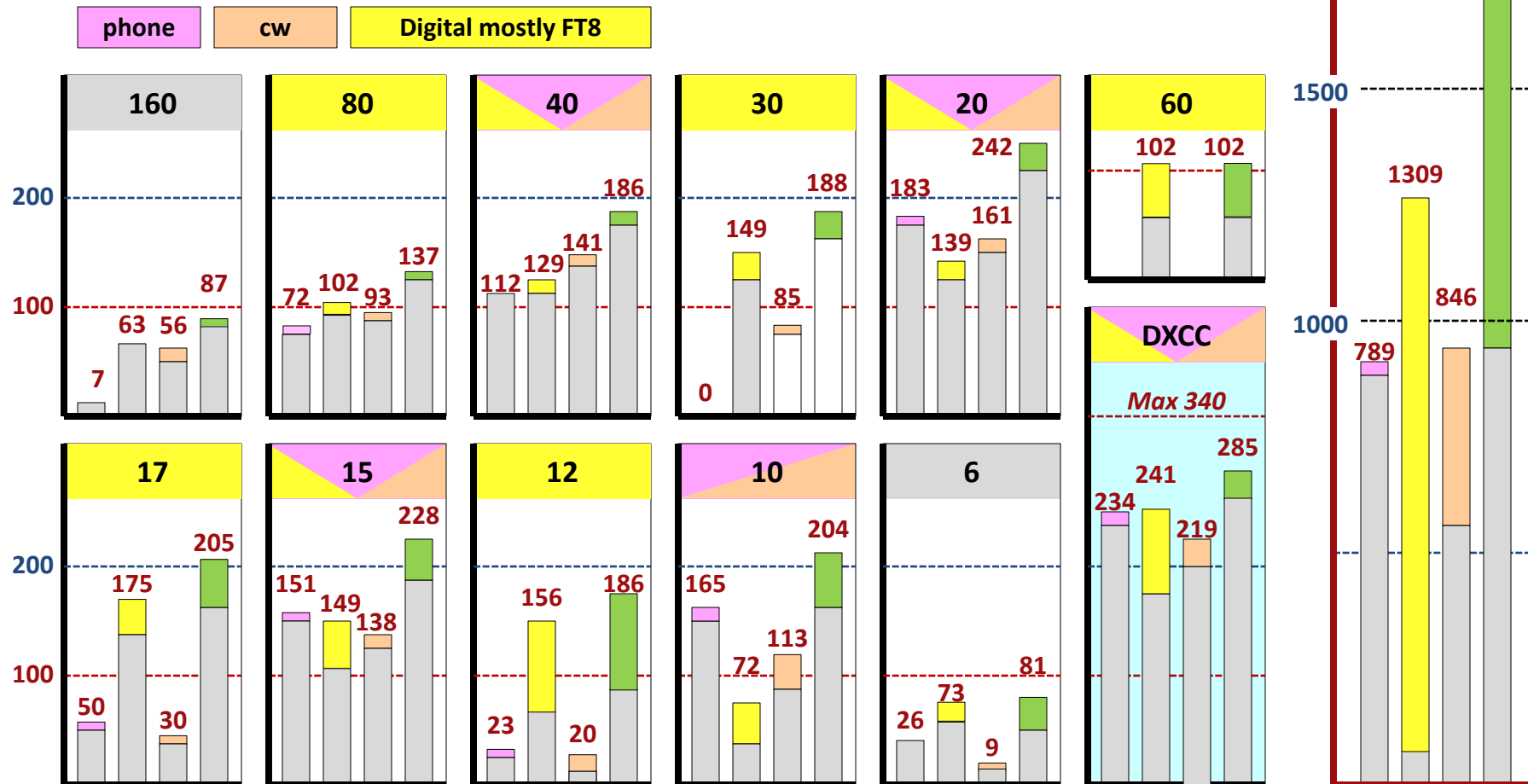


Results — three years later: Confirmed by April 2017



Update — what has happened since 2017...

In August 2017 FT8 happened, and essentially stopped my quest to learn CW. ☹️☹️☹️



As of 21 August 2023

Summary *By late 2015 after “phone only” for 53 years... FINALLY “using” CW*

Experience with SSB contesting helps, but not essential

When you start – pick your mountains carefully!

Contests with simple exchange

DXpeditions

Casual CW is hard – need to “rag chew”



Summary *By late 2015 after phone only for 53 years... FINALLY “using” CW*

Experience with SSB contesting helps, but not essential

When you start – pick your mountains carefully!

Contests with simple exchange

DXpeditions

Casual CW is hard – need to “rag chew”

Goals:

Results

1 Comfortable with CW contesting

OK

2 CW DXCC (in <6 months!)

YES!

3 CW Ragchewing

Not Yet ☹️

Final Comment: I still wish I could Touch-Type!



Some books for your library

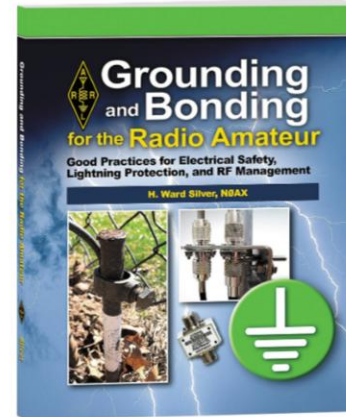
ARRL Handbook

(1962, 1968, 1996, 2012
2023)



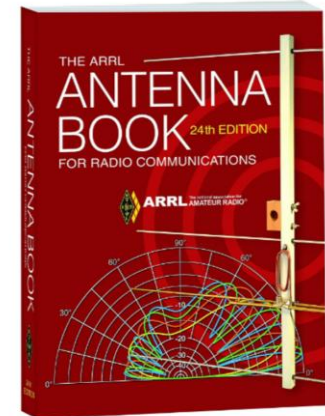
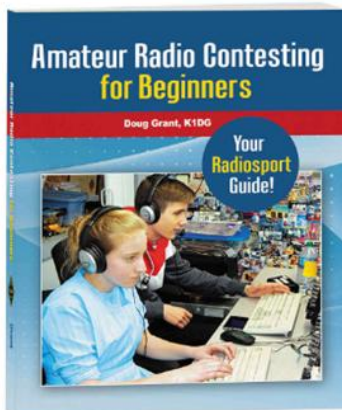
Grounding and Bonding for the Radio Amateur

H. Ward Silver NOAX



Amateur Radio Contesting for Beginners

Doug Grant K1DG



ARRL Antenna Book

(17st ed - 1994, 21st ed - 2007, 23rd ed - 2015, 24th ed - 2019)



CW DXCC in Six Months

A “How-To” Project

Only phone for 53 years...

FINALLY using CW...

Now, 61+ years after my Novice license, I’m still not very good at it!

Thank You!

<http://www.qsl.net/w1dyj/>



Abstract

Are you curious about CW? Have you wanted to try it out but thought it was too big a hill to climb? This talk may be for you. In 2014, after 52 years as a ham and multiple attempts to learn CW, Larry finally decided to learn CW enough to not only use it, but to like it. Starting with some history (the motivation), this talk describes Larry's "project" to learn CW. It includes a CW training app, rig interfaces, a realization that CW CONTESTING was the best way to learn CW (and some contesting details), logging software, and finally Larry's results, both short term and long term.

Bio

Larry was licensed in 1962 as novice KN1VFX and became W1DYJ in 1966. He was an engineer and project manager in Hewlett-Packard Medical's cardiac lab in Waltham and Andover MA starting in 1969. In 1985 he started the cardiac R&D lab's CAD and the SW Testing groups. He moved to HP Medical Education in 1993, responsible for technical and project management training. When Agilent split out of HP in 1999, he became Agilent Technology's global program manager for their Learning Management System. "Retiring" in 2005, he then consulted for Avago (now Broadcom) on eLearning technologies through 2012. Larry holds three degrees in EE from MIT. He spends his time chasing DX and contesting in Woburn, traveling with his wife Maren, and attending many jazz and classical concerts. He is the net manager and newsletter editor for the MMRA, publications editor for HamXposition, and a member of the YCCC.

