



Week 5 – Session 9

CW Academy

- Go over h/w and on air activities
- On the air
 - ARRL International DX CW
 - The last “major” CW contest of the winter season
 - There is a lot of activity leading up to this contest
 - We only work stations outside of USA
 - We send 5NN + State
 - They send 5NN + Power
 - NN = 99 Watts
 - ATT = 100 Watts
 - K or KW = Kilowatt ...
- Computers and Logging
- Round-robin questions – try not to write anything down



Computers and Logging

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- Computers are a fixture in most ham shacks now and are invaluable for contesting (and everyday operating)
 - Logging & Scoring
 - Keeping track of duplicates
 - Sending
- **N1MM Logger** is the most popular logging program used for contesting
 - Many many helpful features
 - Windoz Only
 - A clone is under active development for Linux
- At this point, **you should be using a contest logger**
 - Its a good idea to let the computer do the **sending** for you, especially in the “fast” contests
 - The other ops will appreciate the cleaner machine-generated code!
 - For S&P, you can also use the memory keyer in your rig for sending (e.g. Yaesu FH-2)
 - Use the “band map” to help with S&P (**verify** the call sign!)
- Try **not** to use the “call history files” and “auto-fill” until you can consistently copy exchanges
 - When you begin to use these features, you still need to verify that the information is correct!



Built-in Rig Memory Keyer

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- Most (all?) modern rigs have a built-in memory keyer to which you can program several short messages

- My “default” messages are (mainly for quick DX contacts):

- Msg 1 = AA2IL
- Msg 2 = TU 5NN CA
- Msg 3 = OP JOE
- Msg 4 = 73
- Msg 5 = BK

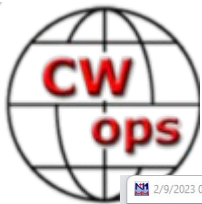
- For S&P in ARRL Intl DX, you might use something like this:

- Msg 1 = AA2IL
- Msg 2 = TU 5NN CA
- Msg 3 = CA CA
- Msg 4 = 73
- Msg 5 = AGN? or ?

- Yaesu rigs also have a serial counter so feasibly, you use this facility to S&P in almost any contest

- **This is NOT cheating** – contesting is fatiguing and you want to employ any fair means that will maximize your Butt-In-Chair (BIC) time and therefore your enjoyment and score!!!

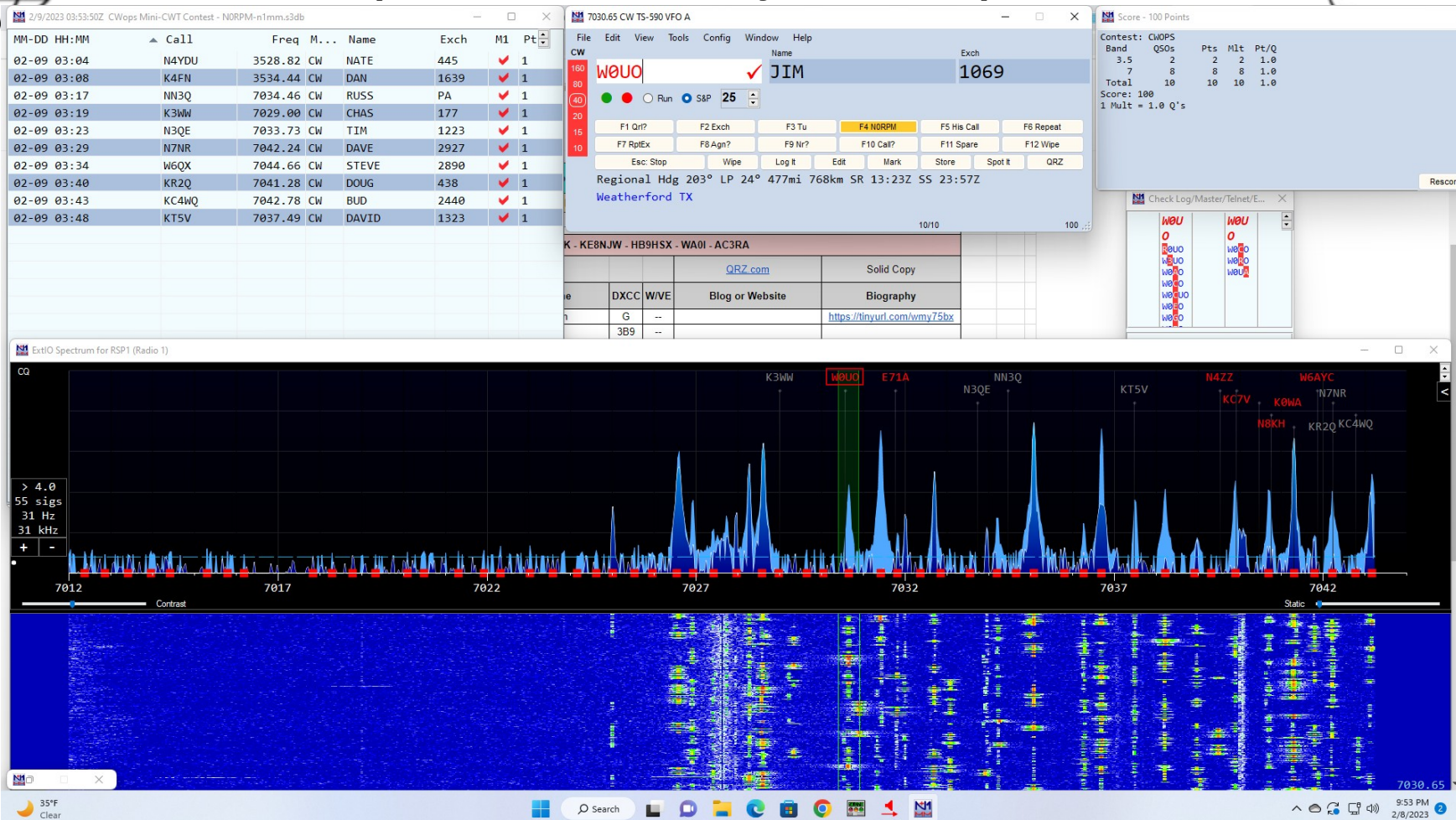




N1MM Logger

(Screenshot courtesy of N0RPM)

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Other Loggers

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Contest Logger	Percent of CQP 2023 Logs Received *
N1MM+	57.5%
N1MM+ Call History File - Search for qsop_ca HERE	
N1MM+ Tutorial and Cabrillo log submission Watch How-To video HERE	
N3FJP	21.8%
N3FJP Tips in CQP	
Writelog	3.2%
DX Log	1.7%
RUMLogNG (for Mac)	1.0%
SkookumLogger (for Mac)	0.9%
TR4W	0.8%
GenLog	0.5%
CQPWIN	0.5%
SD by EI5DI	0.5%



N3FJP Logger

(Screenshot courtesy of VA4ADM)

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N3FJP's RAC Contest Log 3.6.5
www.n3fjp.com

File Settings Band Mode View Help

■ Current Band & Mode

Find

Recent Contacts

● Last 20 ● All

Rec	Call	Rcvd	PR/#	Snt	Date / Time	Bnd	Mode	Pnts	Country	# S
684	KD2KW	599	84	599	12/30 20:12	15	CW	2	USA	
683	WA2MCR	599	195	599	12/30 20:12	15	CW	2	USA	
682	VA3YV	599	ON	599	12/30 20:11	15	CW	10	Canada	
681	WA2JQK	599	296	599	12/30 20:10	15	CW	2	USA	
680	WK6I	599	10	599	12/30 20:10	15	CW	2	USA	
679	N2SO	599	38	599	12/30 20:09	15	CW	2	USA	
678	VE3KTB	599	ON	599	12/30 20:09	15	CW	10	Canada	
677	W7RG	599	21	599	12/30 20:08	15	CW	2	USA	
676	N6TQ	599	158	599	12/30 20:08	15	CW	2	USA	
675	VA3IJK	599	ON	599	12/30 20:07	15	CW	10	Canada	
674	N2SO	599	38	599	12/30 20:07	15	CW	2	USA	

Score Statistics

Total Contacts

684

Total QSO Points

3,038

Total Multipliers

45

Total Score

136,710

QSOs / Hr (Last 20 min)

0

QSOs / Hr (Last 60 min)

0

Multipliers worked in current mode:

Call	RSTr	Prov / Ser	RSTs	Country	160	80	40	20	15	10
AA2IL				Belgium	NS	NS	NS	NS	NS	NS
				Bonaire	QC	QC	QC	QC	QC	QC
				Bulgaria	ON	ON	ON	ON	ON	ON
				Canada	MB	MB	MB	MB	MB	MB
				Canary Is.	SK	SK	SK	SK	SK	SK
				Chile	AB	AB	AB	AB	AB	AB
				Costa Rica	BC	BC	BC	BC	BC	BC
				Czech Republic	NT	NT	NT	NT	NT	NT
				Dominican Republic	NB	NB	NB	NB	NB	NB
				England	NL	NL	NL	NL	NL	NL
				European Russia	NU	NU	NU	NU	NU	NU
				Federal Republic o	YT	YT	YT	YT	YT	YT
				France	PE	PE	PE	PE	PE	PE
				Ireland						
				Israel						
				Italy						
				Jamaica						
				Mexico						
				Norway						
				Puerto Rico						
				Romania						

Possible Duplicate!

Clear

Spot Last

Pos Dups / Partial

Any Portion

AA2IL AA2IL AA2IL/6

Bearing: 237

Start tracking op time

08:21:59

Miles: 1,492

Cont: NA

Band: 15

Mode: CW

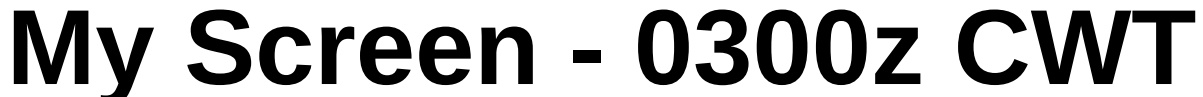
VA4ADM

RS(T)

MB

9:10:06 PM

03:10:06 UTC



The screenshot displays the pyKeyer software interface, which is used for automated radio keying. The top section features a waterfall display showing frequency bands from 7017 to 7026 MHz, with various call signs like RT4H, WPCF, NY3A, KYSS, AA2IL, VE3MX, HAQNL, K3MB, K3RBO, W2RGS, SM3MO, SM3SM, N33TT, K1DOW, A33K, N3PZ, and N4000 visible. Below the waterfall, the main control panel includes fields for Call (nf8m), Name (FRANK), Exchange (1634), and Super Check Partial (NF8M EF8M NJ8M). The interface also shows a list of macros, a QSO log, and a band map. The bottom section contains various control panels for IF bandwidth, IF gain, RXO, TX power, mic gain, monitor, and a world clock. The world clock shows the time 03:44:28 and a map of the world. The bottom status bar indicates the date and time: Wed Feb 14, 2024.