

Contest Logging Software

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Contest Academy • IDXC • Visalia, CA
April 4, 2014



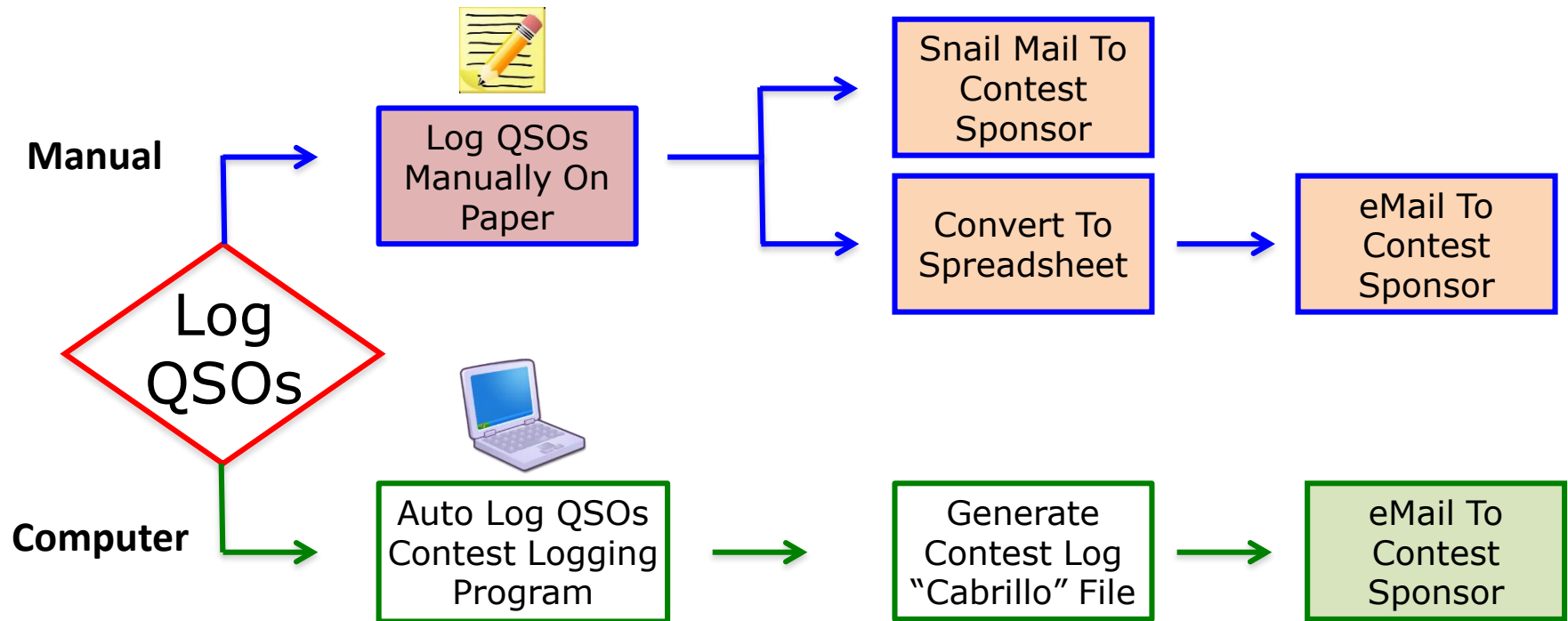
What is Contest Logging Software?

- Specialized computer software for use by competitors in amateur radio **contesting**.
- Most contest loggers are written by individual or groups of programmers who are active radio contesters.
- The primary purpose of these applications are to record the two-way radio contacts and specific exchange information passed during the contest operation.

Contesting: Why Bother?

- Sharpen your operating skills
- Get the most out of your equipment
- Compete against your peers
- Support your local Contesting Club
- Prepare for WRTC 2014
- Become part of the contesting community
- Prepare for a DXpedition
- Have more fun with the hobby

Logging QSOs: Paper or Logging Program?



Which Contest Logger Is
Best

For You?

Contest Academy

NCCC

Most Popular Contest Loggers

- N3FJP Logger
- TR4W (TR Log For Windows)
- N1MM Logger
- WriteLog
- Win-Test
- DXLOG.net
- Skookumlogger (Mac OSX)

	Contest Logger Comparisons	DXLOG.net (9A5K)	N1MM (N1MM)	N3FJP (N3FJP)	TR4W (UA4WLI)	Win-Test (F5MZN)	WriteLog (W5XD)
1	Audio Recording						
2	Bandmap						
3	Check Callsign - Partial						
4	Check Callsign - N+1 Search						
5	Check Multipliers						
6	Contest Support - Number Supported	190	>200	70	150	100	112
7	CQ / S&P Modes						
8	Current Version	2.0.25	14.03.01	Varies by Contest	4.248	4.0	11.19
9	Current Version Date	26-Mar-2014	18-Mar-2014	Varies by Contest	12-Apr-2013	07-Jul-2009	12-Mar-2014
10	CW Keyboard Mode						
11	CW Decoder						
12	Digital Voice Support						
13	Documentation	Online	Online	Very Basic	Fragmented	Online	Fragmented
14	Dual/Multiple Monitor Support						
15	Dupe Sheet - Visible						
16	DX Cluster Support						
17	ESM = Enter Send Message Mode						
18	Continuous Improvement-Customer Support				no longer supported		
19	External Keyer Support						
20	Free Demo / Full version	n/a	n/a	30-Day	n/a	15-Day	
21	Grayline Display (Real-Time)						
22	Graphical User Interface (GUI)	Very Flexible	Very Flexible	Basic	Very Flexible	Very Flexible	Very Flexible
23	Import-Export (Cabrillo, ADIF)						
24	Instructional Video						
25	Keyboard Shortcuts						
26	Live Score Support (cqcontest.net, getscores)						
27	Macros - Programmable Messages						
28	Multi-User Support						
29	Multipliers Window						
30	Networking Support	Extensive	Extensive	Basic	Extensive	Extensive	Extensive
31	Post-Contest Statistics						
32	Price	Free	Free	\$9.00 per contest or \$50 for All	Free	\$70	\$30
33	Rate Calculations (Real-Time)						
34	Resizable and Floating Windows						
35	Rig Control						
36	Rotator Control						
37	RTTY Support	MMTTY	MMTTY		MMTTY	MMTTY	Rttyrite
38	SO2R Support	Advanced	Advanced	Basic	Advanced	Advanced	Advanced
39	Soundcard DVK Support						
40	Telnet-Packet Support						
41	User Group + Email Support						
42	WinKeyer Support						

Which
Contest
Logger
Is Best
For You?

Contest Academy



N3FJP Logger

by Scott Davis

● Last 20 ● All

QSOs / Hr (Last 60 min) 3

Stats

QSO Log

Entry Panel

Prefixes Worked = 3

AE6 ND2 WX3

Multipliers Worked

Messages (Dupes, etc.)

Clear

Possible Duplicates ☒ Any Portion

Bearing: **Miles:** **Cont:**

Stop tracking op time

00:32:53

Band: 20

Mod PH

14.19169

K6MM

RS(T)

004

1:53:05 PM
20:53:05 UTC

ZL4IR	14.2585	New Zealand	Needed Spot!	de: IV3OKO:	ZL	2052Z	OC	224	6,825
W1AW/1	7.1890	USA	Needed Spot!	de: WB2BTJ: 59+20 N NY	W	2052Z	NA	77	1,532
SP4RKZ/MM	14.3030	Poland	Needed Spot!	de: SQ8MXL: 5,9 Piotr	SP	2052Z	EU	24	5,859
TK5JJ	28.0232	Corsica	Needed Spot!	de: W3LPL: Heard in PA and	TK	2052Z	EU	36	6,160
LZ2HQ	7.1640	Bulgaria	Needed Spot!	de: YT9TP: cq cq	LZ	2052Z	EU	25	6,575
RK80KEDR	3.5207	Asiatic Russia	Needed Spot!	de: UA4WEE: cq cq cq	RK8	2052Z	AS	347	5,968

DX Cluster

N3FJP Target Audience

- Someone wanting to graduate from paper logging to computer logging
- No frills, basic features
- EZ learning curve
- Contest Modules integrate with AC Log = N3FJP's general logging program for daily logging
- Solid Author support
- Cost Effective: Purchase just the contest modules you want (\$9 each) or all software for \$50.

TR4W
By UA4WLI

TR4W Screen Shot

TR4W v.4.248 - 2014 CALIFORNIA QSO PARTY (in state) K6MM

File Settings Windows Alt- Ctrl- Commands Tools Net Help

16:00:55 160 80 40 20 15 10 All 119 Pts

OSO needs for W1RM :
CW: 160 80 40 20 15 10
SSB: 160 80 40 15 10

Mult needs for KD6 :
Both:

K 108° 283km 1344z/0218z

Band	Date	UTC	QsS	Callsign	QsR	QTH	Pts	M	Id	\$	D	Freq	Op
20SSB	19-03-14	14:30	3	W1AW	16	Ct	2	d		\$		14261.00	
20SSB	19-03-14	14:32	4	W1RM	14	Ma	2	d		\$		14261.00	
15CW	19-03-14	14:36	5	K0AD	21	Mn	3	d		\$		21033.00	
15CW	19-03-14	14:39	6	VE3KI	34	On	3	d		\$		21033.00	K6MM
15CW	19-03-14	14:54	7	N2WB	11	Fl	3	d				21054.70	K6MM
15CW	31-03-14	16:00	8										
21037.41				KD6_									
RADIO 1	Radio 2												
35 WPM													

United States 10:59 Mon INSERT

00:00:22:172 CQ: 1 SP: 6

This hr = 0 Rate = 0 CQ total: 9

OFF CQ DM06 WK K6MM

Function keys

CQTEST \ CQTEST TU \ TEST DE \ SRI QSO B4 TU \ AGN ? :

DX Cluster

Connect Disconnect Freeze Clear Commands 100

dxspots.com:23 Send

DX de OK1AMF:	18079.0	VK9MT	UP
DX de KB1SNB:	28011.0	RS08KEDR	
DX de EA1DST:	7058.0	EA4EKU	CMD
DX de EB3BBJ:	7098.0	EA3ERI	DIP
DX de DL1HBT:	21003.0	VP2V/SP6CIK	LSN
DX de F8DSM:	18149.0	ZL7AAA	
DX de SV1DPJ:	14005.0	RI1ANT	
DX de RX3D:	7132.7	RA22AX	TNX
DX de RU9W:	14010.1	R11PSB	TNX
DX de SV20XS:	14280.0	HA7UL/P	THA
DX de SQ2LKT:	18080.4	R11CRC	
DX de KB1SNB:	28011.0	RS80KEDR	
DX de IZ6CLZ:	24978.0	VK0JJJ/MM	ISO
DX de DJ4WT:	14016.0	TX6G	LON
DX de N9ZI:	28029.7	XW0YJY	
DX de DC2CW:	7011.0	OU4ZZ	NEU
DX de IU2ABV:	14255.0	IZ7DOK	73
DX de RW3WW:	7147.9	UP4KEDR	
DX de G1OCN:	24978.0	VK0JJJ/MM	GRE
DX de RA6AAW:	1838.5	RK22KR	CQ
DX de UA3SAQ:	24955.0	OD5ZZ	NOT
DX de UN9LN:	14036.0	UP0KEDR	YUR
DX de HA6VH:	7011.0	OU4ZZ	
DX de F5HRH:	18103.5	J400EG	RTT
DX de WA7LNH:	14200.0	V51B	AND
DX de SV2FLM:	28480.0	VP2V/SP9FIH	
DX de UN7TK:	18073.9	RW22QA	TNX
DX de UA6ABE:	28507.0	RK22AB	CQ
DX de VA2DOM:	28417.0	F5POJ	

Bandmap

21003.0	VP2V/SP6...
21016.3	R11CRC
21037.0	RJ22MM
21037.4	CQ/8
21037.4	AA3B
21041.2	R2014E
21050.0	R22NOC
21070.8	J400EG
21110.0	RA4FWC

Radio 1

K0AD
N2WB
VE3KI

SCP

KD6ZZM	KD6NOF
KD6WKY	KD6NEF
KD6VKF	KD6KQW
KD6UO	KD6HYN
KD6UNR	KD6HQ
KD6SXF	KD6GHX
KD6POF	KD6GC
KD6PPM	KD6FW
KD6OAT	KD6FVA
KD6NSA	KD6FIL

Default

Ab	De	Ky	Ms	Nv	Sc	Wi
Ak	Fl	La	Mt	Ny	Sd	Wv
Al	Ga	Ma	Nc	Oh	Sk	Wy
Ar	Hi	Mb	Nd	Ok	Tn	
Az	la	Md	Ne	On	Tx	
Bc	Id	Me	Nh	Or	Ut	
Ca	Il	Mi	Nj	Pa	Va	
Co	In	Mn	Nm	Oc	Vt	
Ct	Ks	Mo	Nt	Ri	Wa	

TR4W: Summary

- (+) It's free
- (+) Supports all contests
- (+) Stable
- (+) Clean, Compact Interface
- (+) ESM feature + many message memories
- (+) Excellent SO2R implementation
- (+) Multi-Op
- (+) Networking Support
- (-) Author (Dmitry, UA4WLI) no longer has time to support it
- (-) Future updates unclear – but several US hams interested in supporting it with code updates, etc.

N1MM Logger

By Tom, N1MM

N1MM Target Audience

- Someone Wanting To Upgrade from DOS-Based To Windows-Based Program
- A Beginning User Wanting To “Upgrade” With More Features; Intermediate→ Advanced
- SO1V Moving Up To SO2R Capability
- Stations Needing Multi-Operator Networking Capability (M/S, M/2, M/M)

flcraft K3 VFO A

14031.57 SH/DX Wide

0.00 RIT XIT CW

14000

14005

14010 — RX22WN 13° NEW

14015

14020 — RA22AX 21°

14025 — UP7KEDR 355°

14025 — UP7CDR 355°

14025 — VK9MT 027 251° NEW

14030

14035

14040

14045

14050

Bandmap Window

14065

14070 — R155RP 10°

14070 — RM22DX 11° NEW

14075

14080 — UE80YG 338°

14085

14090

14095

14100



3/31/2014 14:49:16Z ARRL DX CW - New.MDB												
TS	Call	Freq	SNT	RCV	Power	Mult	Prefix	Points				
2/16/2014 18:15:23	SM5INC	14031.48	599	599	KW	Yes	SM	3				
2/16/2014 18:15:59	YO8DDH	14033.43	599	599	KW	Yes	YO	3				
2/16/2014 18:18:07	OM2VL	14033.96	599	599	KW	Yes	OM	3				
2/16/2014 18:19:59	UW2M	14037.37	599	599	KW	Yes	UW	3				
2/16/2014 18:20:27	OH8L	14037.37	599	599	KW	Yes	OH	3				
2/16/2014 18:20:42	KH6LC	14037.37	599	599	KW	Yes	KH	3				
2/16/2014 18:21:37	DK5AJ	14037.37	599	599	KW	Yes	DK	3				
2/16/2014 18:22:07	DL7M	14043.49	599	599	KW	Yes	DL	3				
2/16/2014 18:22:41	9A2NA	14044.06	599	599	KW	No	9A	3				
2/16/2014 18:23:28	S09Q	14046.22	599	599	KW	Yes	SP	3				
2/16/2014 18:24:02	LA9TJA	14048.14	599	599	KW	Yes	LA	3				
2/16/2014 18:24:31	DL1A	14049.52	599	599	KW	No	DL	3				
2/16/2014 18:25:00	HA7GN	14050.41	599	599	KW	No	HA	3				
2/16/2014 18:25:58	S57WJ	14051.25	599	599	400	Yes	S5	3				
2/16/2014 18:27:08	SN7O	14052.70	599	599	500	No	SP	3				
2/16/2014 18:29:18	M2A	14059.54	599	599	400	Yes	G	3				
2/16/2014 18:30:25	OM7RU	14064.10	599	599	KW	No	OM	3				
2/16/2014 18:30:49	OH1F	14065.58	599	599	KW	No	OH	3				
2/16/2014 18:31:11	wL7E	14066.92	599	599	KW	Yes	KL	3				
2/16/2014 18:33:56	YU2ISM	14008.04	599	599	KW	Yes	YU	3				
2/16/2014 18:35:47	SK3W	14032.66	599	599	KW	No	SM	3				
2/16/2014 18:43:43	YU5R	14023.29	599	599	KW	No	YU	3				
2/16/2014 18:51:59	ZM900X	28022.01	599	599	K	Yes	ZL9	3				
2/16/2014 18:27:08	SN7O	14052.70	599	599	500	No	SP	3				
2/15/2014 18:22:26	SN7Q	21010.95	599	599	KW	No	SP	3				

14031.57 CW Elecraft K3 VFO A

File Edit View Tools Config Window Help

Snt Rcv Pwr

SN7

Wipe Log It Edit Mark Store Spot It Buck

Main Entry

Esc: Stop	F1	F2 EXCH	F3 TU	F4 K6MM
<input checked="" type="checkbox"/> Running	F5 HIS CALL	F6 CA	F7 73	F8 AGN?
32	F9 CALL?	F10 NR?	F11 QTH?	F12 KB

Bearing = 23°, 5811 mi, 9352 km, LP = 203°

SP - Poland, Zone 15, EU	198/121	71,148
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Telnet Window - Host: 127.0.0.1 - Timeout 30 minutes

Packet	Type:	CC User	Close Po...
DX de LY2FN:	28030.2	UP9/KG2A	QX# 28032.00
DX de CT2JWU:	7070.0	CT1ASM	signal 7-9
DX de RU9WZ:	28023.1	RU22WZ	
DX de RU9WZ:	28022.0	RU22WZ	
DX de R9COK:	24970.0	UK0JJJ	TNX 59 73!
DX de H66UH:	28030.0	UP9/KG2A	
DX de EA8TL:	18117.0	SM6OWF	
DX de LY2FN:	28039.5	UP4KEDR	Cq
DX de UA3RSg:	28475.0	FMANB	
DX de RT9AT:	21020.0	RD22AA	tnx QS
DX de R7BN:	28030.0	UP9/KG2A	tnx up2
DX de UA4CR:	28023.0	HK1/AL4Q	cq
DX de EA4ENP:	7083.0	EA3BT	UGB 060

BYE CONN DI/N SH/DX USERS WwV 10M 15M 20M 40M 80M K6M

Info - K6MM - Exch: 599 CA
 RT22MD - 14031.57 [R6AA @ -14 min]
 SP - Poland, Zone 15, EU, Bearing = 23°, 5811
 Sunrise: 04:22Z Sunset: 17:16Z Local std time:
 Rates - Q's/hour

Last	Last	Since	Since	Last 60 min
Q's	Q's	13:48	14:00	
0	0	0	0	56

Info Window

Band	QSOs	Pts	Cty
3.5	11	33	9
7	27	81	14
14	26	78	16
21	72	210	38
28	62	186	44
Total	198	588	121
Score: 71,148			

Score Summary

Check - Mul: 160 80 40 Q: 20 15 10

SN70	SN7Q		
SN70ABK	SN7C	SN7D	
SN7F	SN7H	SN7S	SN7X

Check Partial

Available - 26 Mults 56 Qs of 145 total spots		
Mults		Qs
0	160	0/0
1	80	2/2
5	40	12/12
4	20	7/7
5	15	12/13
11	10	23/27

Call	Freq	Dir	Mode	TS v
EA3BT	7083.1	043°	Cw	03-31 144913
RD22AA	21020.0	011°	Cw	03-31 144908
UP4KEDR	28039.5	355° ^{TR}	Cw	03-31 144905
RU22wZ	28021.9	013°	Cw	03-31 144832
CT1ASM	7069.9	045°	Cw	03-31 144810
XW0YJ	24306.5 ±	313°	Cw	03-31 144806
RG22TN	21010.2	008° ^{TR}	Cw	03-31 144804
RW22QA	21017.8			
RK3ER	24900.9			
VK9MT	14024.0 ±			
AP2TN	28032.9			
XW0YJ	24306.5			
RK22wN	14008.9	013°	Cw	03-31 144713
VP2V/SP6CIK	24912.0 ±	094°	Cw	03-31 144703
3B8MM	28005.5	002° ^{TR}	Cw	03-31 144702
EG7JFC	7095.1	043°	Cw	03-31 144610
RJ22MM	10115.0 ±	010°	Cw	03-31 144510
RA22AX	14022.1	021°	Cw	03-31 144500
RT22TK	21028.7	008° ^{TR}	Cw	03-31 144500
HH2/N5JR	24894.0	099°	Cw	03-31 144450
R580KEDR	7123.7	328°	Cw	03-31 144413
EA7AQC	28123.1	043°	Cw	03-31 144400
EA7HZM	7123.0	043°	Cw	03-31 144345
R22FIS	21025.0	111°	Cw	03-31 144345
J400EG	21005.0	027°	Cw	03-31 144335
BX4AD	21021.0	305°	Cw	03-31 144254
TX6G	3523.0 ±	069°	Cw	03-31 144253
XE2I	28027.0	124°	Cw	03-31 144145
RU22wZ	24902.6	013°	Cw	03-31 144040
S05MAX	24902.4	023°	Cw	03-31 144027
RG4F	24897.0	008° ^{TR}	Cw	03-31 144020
UP0KEDR	18088.0	355° ^{TR}	Cw	03-31 143944
RD22MH	14149.8	010°	Cw	03-31 143748
EA3BT/P	7083.1	043°	Cw	03-31 143719
2M00NW	24927.1	031°	Cw	03-31 143630
RK22Aw	24907.0	011°	Cw	03-31 143620
VK9MT	10102.0	251°	Cw	03-31 143516
R22IUG	28023.8	015°	Cw	03-31 143410

Main Entry Window - N1MM's "Dashboard"

The screenshot shows the N1MM Main Entry Window. The title bar reads "14200.00 Manual - A". The menu bar includes File, Edit, View, Tools, Config, Window, and Help. Below the menu bar are four data fields: Snt, Rcv, SntNR, and RcvNR. The SntNR field contains the value "0". A blue box highlights these four fields, with a callout "Send/Receive Data Fields". Below the data fields is a row of buttons: Wipe, Log It, Edit, Mark, Store, Spot It, and Buck. Below this is a grid of F-keys for message sending. A red box highlights this grid, with a red arrow pointing to it from a callout "F-Keys For Message Sending". The grid contains the following text:

Esc: Stop	F1 CQ	F2 EXCH	F3 TU	F4 K6MM
<input type="checkbox"/> Running	F5 !	F6 DE	F7 03 03	F8
	F9	F10 NR?	F11 CALL?	F12

Below the F-key grid, the text "Bearing information appears here." is displayed. At the bottom, a status bar shows "This database is for: K6MM", "614/372", and "432,264".

The Send/Receive **Data Fields** Are Configured **Automatically** When Contest Is First Selected

14085.10 USB Elecraft K3 VFO A

File Edit View Tools Config Window Help

Snt Rcv SntNR RcvNR

0

SP Wipe Log It Edit Mark Store Spot It Buck

Esc: Stop	F1 CQ	F2 EXCH	F3 TU	F4 K6MM
<input type="checkbox"/> Running	F5 I	F6 DE	F7 03 03	F8
	F9	F10 NR?	F11 CALL?	F12

Bearing information appears here.

Enter sends messages mode is off. 614/372 432,264

CQ WW WPX
(CW, PH, RTTY)

Exchange

1. RST
2. Serial #

NA QSO Party
(CW, PH, RTTY)

Exchange

1. Name
2. State

14085.10 CW Elecraft K3 VFO A

File Edit View Tools Config Window Help

Name State

10

SP Wipe Log It Edit Mark Store Spot It Buck

Esc: Stop	F1 CQ TEST	F2 EXCH	F3 TU	F4 K6MM
<input type="checkbox"/> Running	F5 HIS CALL	F6 JOHN	F7 CA	F8 73
	F9 CALL?	F10 NAME?	F11 QTH?	F12 AGN?

Bearing information appears here.

Enter sends messages mode is off. 315/99/0 31,185

RUN versus SEARCH/POUNCE MODE



Main
Entry
Window

CQ
(Run)
Mode

S&P
Mode



F-Keys: Automatic CW Generation

Pre-Programmed Exchange Messages

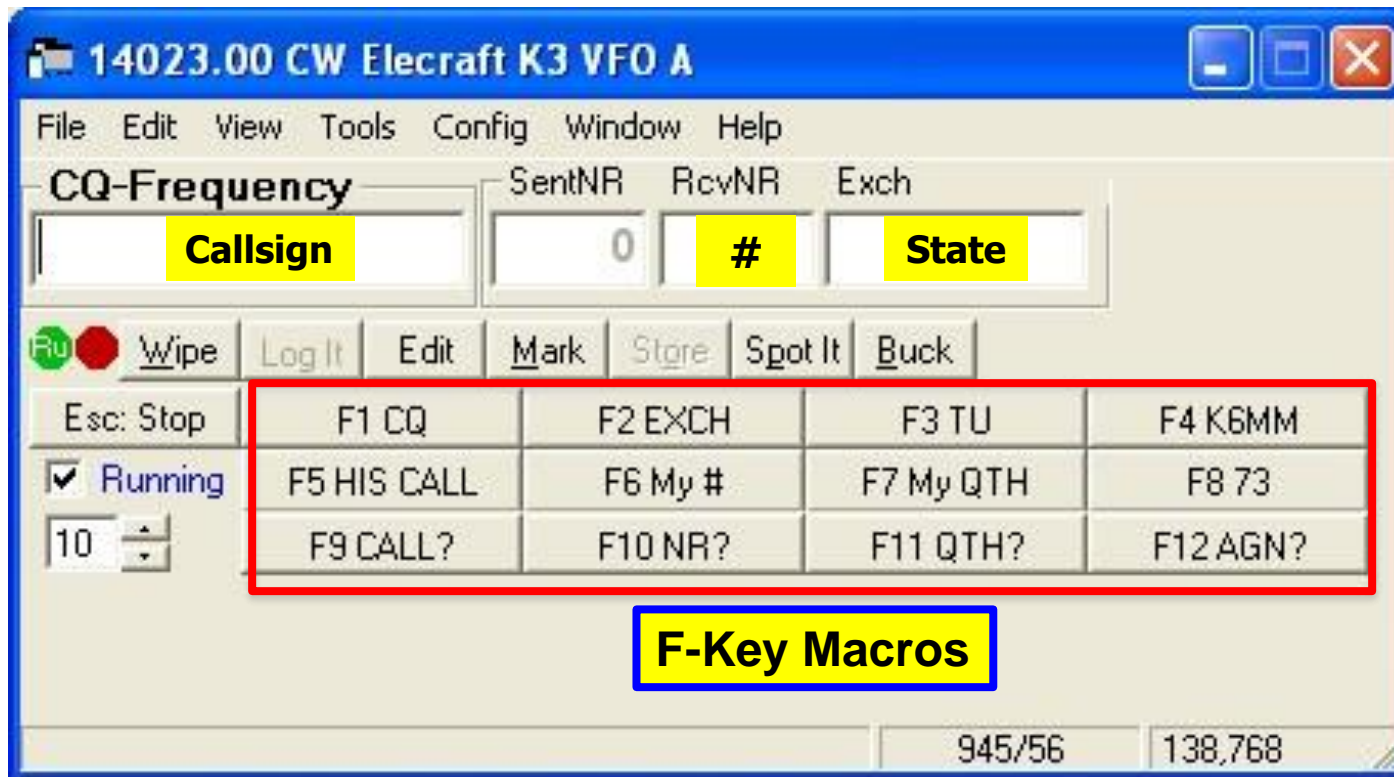
Example: California QSO Party (CQP)

Copy

1. Callsign
2. Number
3. State
(or County)

Send

1. My Number
2. My County



Options

1. Send Serial #/County manually via keyer
2. Automate using the F-keys

N1MM F-Key Macros (CQP)

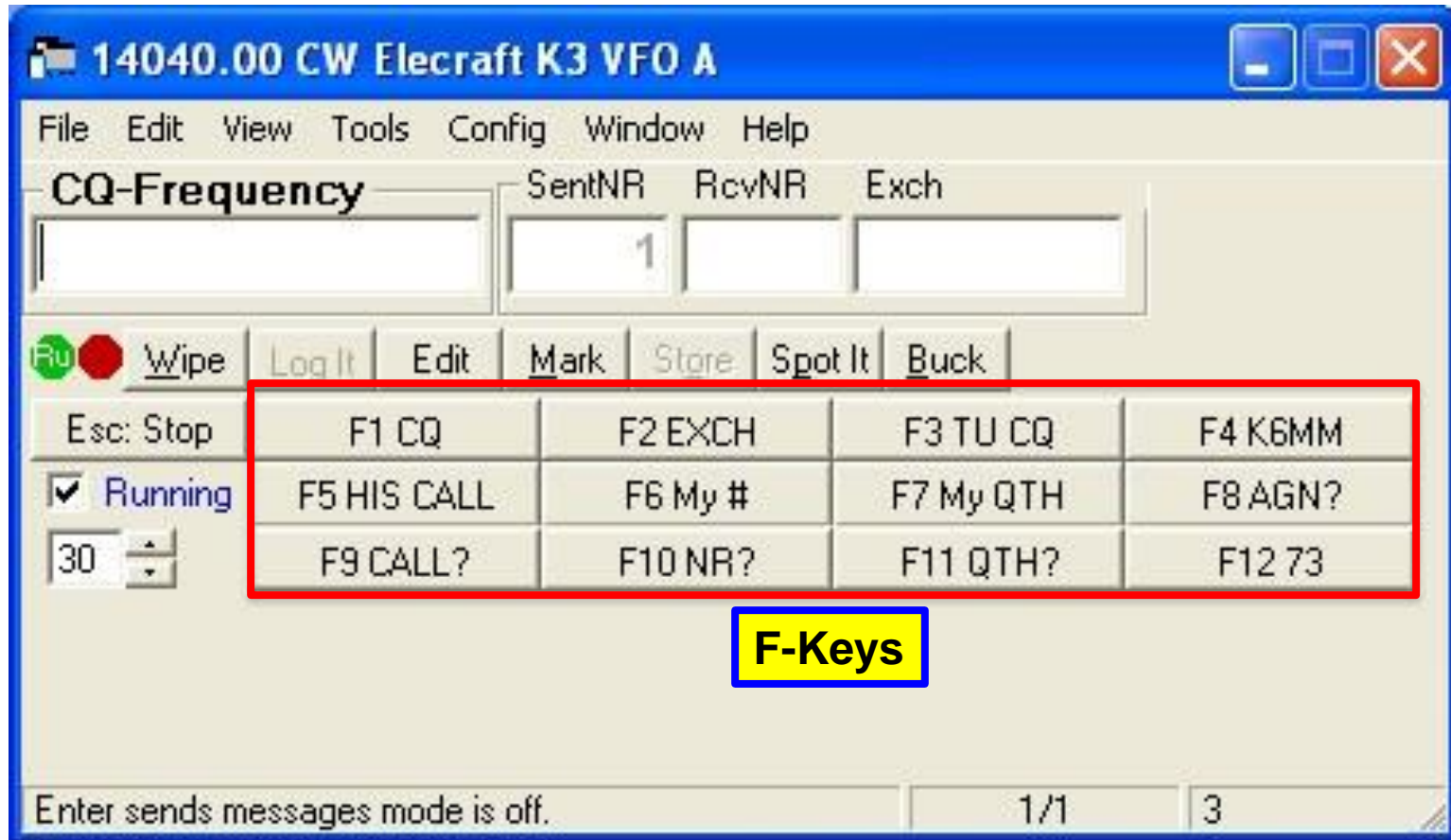
Button Caption Run Mode	N1MM Macro Run Mode
F1 CQ	CQ TEST * * CQ
F2 Exch	# SCLA
F3 TU	TU CQ DE *
F4 My Call	*
F5 His Call	!
F6 My #	#
F7 My QTH	SCLA
F8 Agn?	AGN?
F9 Call?	CALL?
F10 #?	NR?
F11 QTH?	QTH?
F12 73	73

Button Caption S&P Mode	N1MM Macro S&P Mode
F1 K6MM	K6MM
F2 Exch	# SCLA
F3 TU	TU
F4 My Call	*
F5 His Call	!
F6 My #	#
F7 My QTH	SCLA
F8 Agn?	AGN?
F9 Call?	CALL?
F10 #?	NR?
F11 QTH?	QTH?
F12 73	73

F-Keys Easily Be Customized And Saved
For Each Contest And For Each Mode (CW, SSB, Digital)

Automatic CW Generation

California QSO Party



Sending Choices:

Option 1: Send each F-Key message manually

Option 2: Automate Process with ESM

Contest Academy



ESM = Enter Sends Message)

Example:
CA QSO
Party



Color-Code: Tells you what happens
when you hit the **Enter** Key

“ENTER” Sends F1 Macro:
F1 (CQ Test K6MM K6MM)

ESM = Enter Sends Message)

K5NA
Answers
My CQ

The screenshot shows the Elecraft K3 VFO A software interface. The title bar reads "14040.00 CW Elecraft K3 VFO A". The menu bar includes File, Edit, View, Tools, Config, Window, and Help. The main window has a "CQ-Frequency" field containing "K5NA". To the right of this field are three input fields: "SentNR" containing "2", "RcvNR", and "Exch". Below these fields are several buttons: "Wipe", "Log It", "Edit", "Mark", "Store", "Spot It", and "Buck". A grid of function keys is visible, with "F2 EXCH" highlighted in aqua. Other keys include "F1 CQ", "F3 TU CQ", "F4 K6MM", "F5 HIS CALL", "F6 My #", "F7 My QTH", "F8 AGN?", "F9 CALL?", "F10 NR?", "F11 QTH?", and "F12 73". At the bottom, there is a status bar showing "Bearing = 100°, 1471 mi, 2367 km, LP = 281°" and "K - United States, Zone 4, NA".

- Type in **K5NA**
- **F5 + F2** Keys Change Color To Aqua
- “**ENTER**” Sends: **F5** (K5NA) + **F2** (002 SCLA)
- Cursor automatically moves to **RcvNR** field

ESM = Enter Sends Message)

14040.00 CW Elecraft K3 VFO A

File Edit View Tools Config Window Help

CQ-Frequency **K5NA** SentNR 2 RcvNR 6 Exch TX

Run Wipe Log It Edit Mark Store Spot It Buck

Esc: Stop	F1 CQ	F2 EXCH	F3 TU CQ	F4 K6MM
Running	F5 HIS CALL	F6 My #	F7 My QTH	F8 AGN?
30	F9 CALL?	F10 NR?	F11 QTH?	F12 73

Bearing = 100°, 1471 mi, 2367 km, LP = 281°

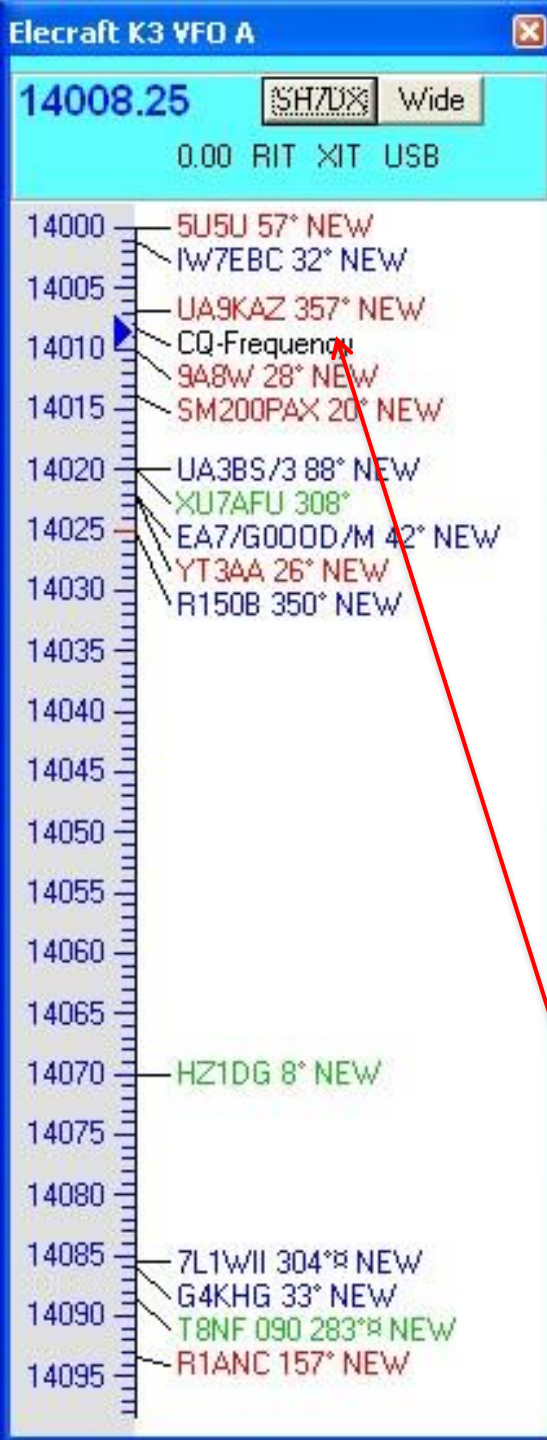
K - United States, Zone 4, NA 1/1 3

- **K5NA** Sends His Exchange: Type in **6 TX**
- **F3 + Log-It** Keys Change Color
- “**ENTER**” Sends: **F3** (TU CQ) + **Logs** The QSO
- Returns to **RUN CQ** Mode

Powerful N1MM Feature

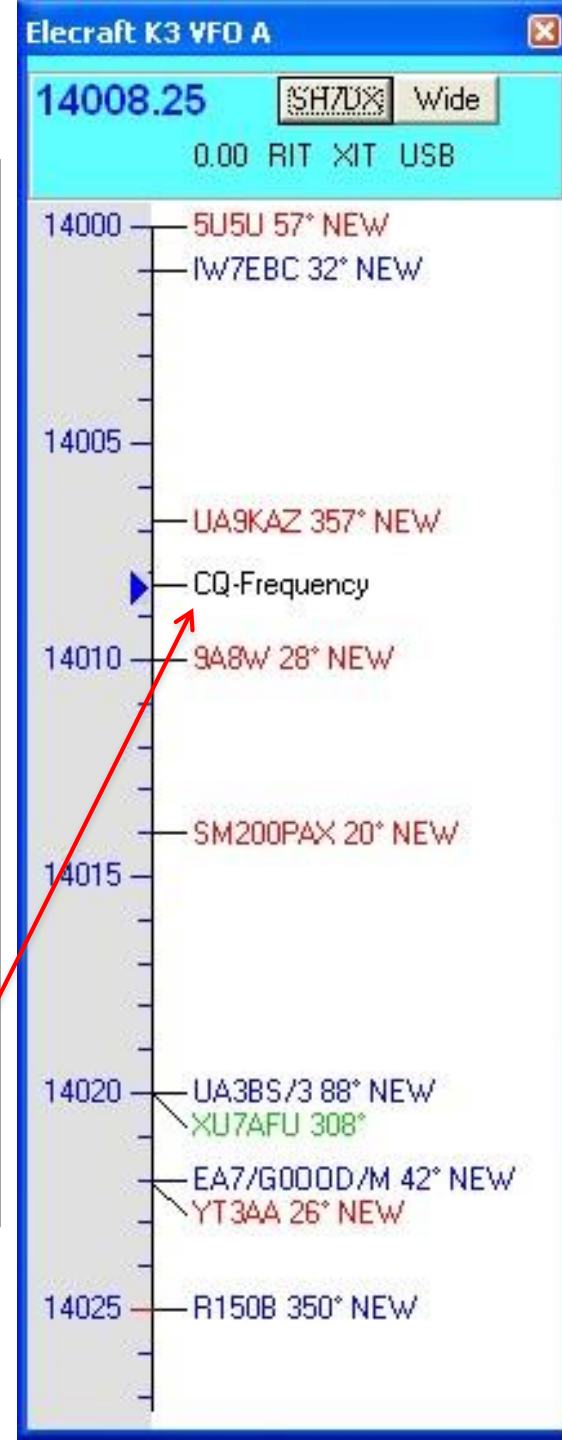
ESM (Enter Sends Message)

- Automated 3-Step QSO Process
- F-Keys Change Color Automatically
- F-Key Macros:
 - CW = CW messages
 - Phone = WAV files
 - RTTY = RTTY macros
- Use ESM For Both Run and S&P Mode
- Saves Keystrokes and Time
- A Bit Of A Learning Curve, But Worth It



Band Maps

- Dual Band Maps: (2 VFOs or 2 Radios)
- Frequency readout
- Easily Zoom In/Out (Keyboard or Mouse Wheel)
- CTRL+Down Arrow: Get Next Spot
- Show Dupes On/Off
- Color-Coded Multipliers
- Marks CQ Frequency



Visible Dupe Sheet

Dupesheet - Elecraft K3 VFO A									
OZ1 AXG	JA2 BQX	TF3 AM	W4 B	W5 KI	SP6 AXW	YO7 ARY	WT8 C	WA9 AFM	K0 AD
W1 BYH	N2 CQ	JA3 BCT	JH4 BTI	KD5 LNO	KI6 DY	JA7 BME	W8 FT	W9 CPI	N0 AIE
JR1 ERU	K2 DSL	OH3 BHL	W4 CU	N5 LYJ	F6 HKA	N7 ESU	UW8 I	AB9 DU	AC0 C
K1 FWE	NJ2 F	N3 CHX	VE4 EAR	NC5 O	WB6 JJJ	W7 LPF	W8 JWN	OE9 GHV	K0 CMH
NG1 G	N2 GVB	NP3 D	AD4 EB	NX5 O	G6 MC	K7 OM	WB8 MKH	W9 IU	JA0 DAI
WA1 GOS	WA2 LXE	W3 DQN	AB4 GG	KE5 OG	KN6 OZ	WX7 P	W8 POF	K9 NR	AC0 E
XE1 GRR	YL2 NN	N3 EN	K4 GMH	KK5 OQ	VE6 RRD	VA7 ST	K8 SIA	K9 QVB	IK0 FMB
K1 GU	KC2 QFR	N3 FAW	K4 IU	AE5 PW	OL6 X	VE7 SZ	JH8 SIT		K0 FX
JH1 GUO	Ww2 R	VE3 FJ	JA4 JIF	AC5 RD	AA6 XV	JH7 XGN	WB8 TDG		LT0 H
JA1 HFY	KC2 SZ	W3 FV	KE4 KWE	WB5 TOI	KG6 ZHC				K0 JPL
JG1 IEF	K2 TE	W3 IZ	N4 LF	VE5 UA	KH6 ZM				N0 LEF
JA1 IZ	W2 TN	K3 KO	WA4 LOX	J5 UAP	JA6 ZPR				K0 RC
AB1 J	YT2 U	XE3 MAYA	WA4 MLD	AA5 VU					W0 TUP
N1 KWF	VA2 UP	JR3 NZC	CT4 NH	Ww5 W					PA0 VHA
XE1 L	7N2 UQC	KC3 OL	K4 OD	K5 WW					K0 WHY
JA1 LZB	OK2 ZI	VE3 TES	W4 OJC	AD5 XD					W0 WQ
VE1 MC	OK2 ZW	G3 YYD	K4 REB	WA5 ZUP					N0 XR
W1 NG		OL3 Z	W4 RK						AB0 YM
JH1 NPQ			KC4 SAW						UA0 ZEO
JA1 OVD			SP4 TXI						
JA1 PJS			W4 UK						
JE1 QUR			K4 WW						
AE1 T									
JA1 WSK									
KK1 X									
JM1 XCW									
DL1 YFF									
Call Sign #3			Call Sign #5			Call Sign #7			Call Sign #9

- Quick Visual Dupe Check – No Key Entry Needed
- Separate Dupe Sheets For VFO (A) and VFO (B)

Multiplier Map Examples

Countries Worked

Multipliers - EU - 291 of 432

AF	AS	EU	NA	OC	SA	All
1A	EI	GW	LX	PA	TA1	
3A	ER	HA	LY	R1FJ	TF	
4U1I	ES	HB	LZ	R1MV	TK	
4U1V	EU	HB0	OE	S5	UA	
9A	F	HV	OH	SM	UA2	
9H	G	I	OH0	SP	UR	
C3	GD	IS	OJ0	SV	YL	
CT	GI	IT9	OK	SV/a	Y0	
CU	GJ	JW	OM	SV5	YU	
DL	GM	JW/b	ON	SV9	Z3	
EA	GM/s	JX	OY	T7	ZA	
EA6	GU	LA	OZ	T9	ZB	

☒ Country ☐ ZN ☐ Sect ☐ Other Auto Auto Reset

CA Counties Worked

Multipliers - County/Other - 47 of 58

ALAM	IMPE	MODO	SBER	SONO
ALPI	INYO	MONO	SCLA	STAN
AMAD	KERN	MONT	SCRU	SUTT
BUTT	KING	NAPA	SDIE	TEHA
CALA	LAKE	NEVA	SFRA	TRIN
CCOS	LANG	ORAN	SHAS	TULA
COLU	LASS	PLAC	SIER	TUOL
DELN	MADE	PLUM	SISK	VENT
ELDO	MARN	RIVE	SJOA	YOLO
FRES	MARP	SACR	SLUI	YUBA
GLEN	MEND	SBAR	SMAT	
HUMB	MERC	SBEN	SOLA	

☐ Country ☐ ZN ☐ Sect ☒ Other Auto Auto Reset

Zones Worked

Multipliers - CQ Zones - 158 of 240

1	6	11	16	21	26	31	36
2	7	12	17	22	27	32	37
3	8	13	18	23	28	33	38
4	9	14	19	24	29	34	39
5	10	15	20	25	30	35	40

☐ Country ☒ ZN ☐ Sect ☐ Other Auto Auto Reset

ARRL Sections Worked

Multipliers - Sections - 73 of 80

0	1	2	3	4	5	6	7	8	9	VE
CO	CT	ENY	DE	AL	AR	EB	AK	MI	IL	AB
IA	EMA	NLI	EPA	GA	LA	LAX	AZ	OH	IN	BC
KS	ME	NNJ	MDC	KY	MS	ORG	EW	WV	WI	MAR
MN	NH	NNY	WPA	NC	NM	PAC	ID			MB
MO	RI	SNJ		NFL	NTX	SB	MT			NL
ND	VT	VI		PR	OK	SCV	NV			NWT
NE	WMA	WNY		SC	STX	SDG	OR			ON
SD				SFL	WTX	SF	UT			QC
				TN		SJV	WWA			SK
				VA		SV	WY			
				WCF						

☐ Country ☐ ZN ☒ Sect ☐ Other Current CW Reset



Mults Qs

2	160	2
0	80	0
2	40	3
4	20	11
0	15	0
2	10	4

Call	Freq	Dir	Mode	TS
OH3OJ/P	14258,9	046°	USB	08-02 1112
RW4LYL/6/M	14175,5	067°	USB	08-02 1112
RZ9HW/0	14181,0	055°	USB	08-02 1112
GB100J	14303,0	262°	USB	08-02 1108
RA4LBS	14175,5	067°	USB	08-02 1103
LY2PX	14166,0	072°	USB	08-02 1102
RZ9HW/0	14181,0	055°	USB	08-02 1056
RZ9YW/0	14181,0	055°	USB	08-02 1056
DQ50SAAR	14018,1	119°	CW	08-02 1112
OK0EG/B	28282,0	111°	CW	08-02 1112
FW0MO	1821,0	005°	CW	08-02 1111
C06RJ	7071,2	284°	CW	08-02 1111
HS0ZBS	14070,0	079°	CW	08-02 1110
8J1A/1	7014,8	037°	CW	08-02 1110
DK0TEN	28257,0	119°	CW	08-02 1110
7L1YII	14071,6	037°	CW	08-02 1109
ZL1KMN	1819,1	033°	CW	08-02 1109
DLOIGI/B	28205,0	119°	CW	08-02 1108
I1M/B	28180,0	156°	CW	08-02 1107
UA0IT	7036,5	055°	CW	08-02 1100

Available Multipliers & QSOs Window

- Checks Call & Country
- Display All Bands or Single Band
- Bands Show Needed Multipliers or QSOs
- Needed Multipliers or QSOs Color Coded
- Sort Any On Column
- Powerful For:
 - Search & Pounce
 - Check Band Openings
 - Recent Packet Spots

N1MM Shortfalls?

- Lots of developers - software a bit “bloated”
- Lots of updates
- Too many bells and whistles?
- Steeper learning curve than other loggers

My Top 10 Reasons For Using N1MM

- ① Us “MM’s” Have To Stick Together 😊
- ② Powerful Windows (Entry, Bandmap, Check Partial, Dupesheet, Grayline, Mults Available, Mults Worked, Score Summary, Telnet)
- ③ F-Key Macros
- ④ SO1V, SO2V, SO2R, Multi-Modes
- ⑤ Post-Contest Statistics
- ⑥ All Major US, DX Contests & QSO Parties Supported
- ⑦ Enter-Sends-Message (ESM) Mode
- ⑧ Extensive Support for CW, Phone, Digital
- ⑨ Creative User Interface
- ⑩ Excellent Customer Support – Continuous Improvement

N1MM Logger Contest Software

It May Be **Free**, But It Is A *Serious* Piece
Of Contest Software



Tom Wagner, N1MM
www.n1mm.com

Developers:

- Nick, NA3M
- Steve, N2IC
- Eric, N2AMG
- John, K3CT
- Larry, K8UT

WriteLog

by W5XD

WriteLog Highlights

- One of the oldest loggers
- Reliable; does not lose data; rarely goes down
- Supports all popular contests
- Supports most radios and accessories
- Excellent RTTY support
- Multiple RTTY decoder windows per radio
- SO1R, SO2R, SO3R, and SO4R on single computer, or multiple networked computers
- Very good Multi-op and Multi-multi support
- Contest recording and playback of individual QSOs
- Built-in CW Decoder window

WriteLog Floating Window Interface

Band Summary

Score	7,029,855	QSO	Sec
160M	381	53	
80M	898	58	
40M	1404	58	
20M	2759	59	
15M	2296	58	
10M	47	15	
Total	7785	301	

Beam Headings

U.S. W6

Direction 305
Distance 4071
Reverse Bearing 97
LP Direction 125
Sunset 0256Z
Sunrise 1259Z

Rates

0/hr last 0 min
 0/hr last 0 min
 All bands
 Time On 48:00
 Time Off: 1650:25

WriteLog Graphs

QSO Rate

1800 LBS/USB
 3600 LBS/USB
 7000 LBS/USB
 14000 LBS/USB
 21000 LBS/USB
 28000 LBS/USB

nccc - WriteLog

File Edit View Entry Radio Bands Setup Tools Contest Window Help

SEQ	DATE	TIME	FREQ	CALL	SNT	RCV	QTH
7278	2008-03-02	1934	21316	KF9TI	59	59	IL
7279		1934	21316	KC1F	59	59	NH
7280		1935	21316	W3RT	59	59	PA
7281		1935	21316	WU2U	59	59	NY
7282		1935	21316	W7JY	59	59	OR
7283		1935	21316	KB2URI	59	59	NY
7284		1936	21316	KA3VVA	59	59	PA

Radio: SEQ CALL RCV QTH

1800 kHzLSB 8075 N6RO 59

1800 kHzLSB R 59

WriteLog for Windows 32 WPM 32 WPM ARRL DX Contest (outside W

States and Provinces

1 CT MA ME NH RI VT	2 NY NJ	3 DC DE PA MD	4 AL GA KY NC FL SC TN VA	5 AR LA MS NM OK TX	6 CA
7 AZ ID MT NV OR UT WA WY	8 MI OH WV	9 IL IN WI	0 CO IA KS MN MO NE ND SD	VE1 LB NB NF NS PE	VE QC ON MB SK AB BC NU NWT YT

States and Provinces

Check partial

N6RO **N6R0M**

KN6RO
 KN6RO/4
 N6CR0
 N6HR0
 N6MR0
 N6RN0
 N6ROB

Check Call

160M	904	0345Z	N6RO	59	CA
80M	686	0249Z	N6RO	59	CA
40M	152	0040Z	N6RO	59	CA
20M	3970	2125Z	N6RO	59	CA
15M	2464	1454Z	N6RO	59	CA
10M Mult OK. Need station!					

Band Changes

A changes in 60 min: 0
 B changes in 60 min: 0

WriteLog Shortfalls

- Very “mature” application; Current Version: 11.11
- Interface not as “sexy” as other loggers
- First Windows version: Version 6.0, 1993
- \$30 licensing fee (includes 12 months of updates)
- Disjointed documentation from multi-sources
- Lacks some features (N+1 call checking, dupe sheet, etc.)
- Steep learning curve
 - it takes time to solve config problems
 - it takes time to become proficient

Win-Test

By F5MZN and F6FVY

Win-Test: Type Of User?

- Any serious – advanced contester
- A multi-multi operator
- An advanced SO2R station
- A simpler station *without* any DVK or external WinKeyer hardware
 - Great CW sent via LPT port (including PTT)
 - Good DVK using Windows Sound card
- A DXpedition operator
 - VP6DX logged 183,000 QSOs with Win-Test

Win-Test Screen Shot

WT - arr108cw.wtb [Shack]

File Edit Operating Commands Messages Tools Windows Options Help

Status

STATION	BAND	TYPE	RADIO 1	RADIO 2
Shack	20 CW	R	(14020.0)	-----

06:06:56 N6TV CM97CF SR 1304z SS 0302z RUN

Check multipliers

160			
80			
163	40 02:11 S57Q		599KW
1441	20 18:31 S53E		599100
15			
10			

SS: Slovenia 07061
Az: 29° Ip: 209° SR: 0339z SS: 1818z

N + 1

S53E	S53F	S53M
S50E	S53A	S53G
S530	S53P	S53R
S53S	S53W	S54E
SF3E	SP3E	S53EA

Check partial result

S53E	S53EA	S53EG	S53EJ
S53E0			

Radio 1

VFO A 14020.0
VFO B 14043.3

Radio 2

VFO A 70532
VFO B 210176

Map

Rate

All bands - All modes
Last hour: 73 Q/h
10 last QSO: 106 Q/h
100 last QSO: 75 Q/h
Since 1800z: 44 QSO

- 15 last minutes -

Moving graph computed on 5 mins
Elapsed time since the last QSO:

Over 100 H

Time ON: 41 H 16 Mn
Time OFF: 6 H 42 Mn

CW 33 WPM

QSO

QSO	Bd	Time	Callsign	Sen	Rcvd	Mult	Pt	Stn
1432	20	18:25	SM3PHM	599	599 KW		3	R1
1433	20	18:26	PA0GJV	599	599 100		3	R1
1434	20	18:27	HB9DAX	599	599 5		3	R1
1435	20	18:27	HB9DDE	599	599 100		3	R1
1436	20	18:28	EA5DFV	599	599 KW		3	R1
1437	20	18:30	EA4CJI	599	599 50		3	R1
1438	20	18:30	OK1DG	599	599 KW		3	R1
1439	20	18:31	DJ1AA	599	599 KW		3	R1
1440	20	18:31	HG6N	599	599 KW		3	R1
1441	20	18:31	S53E	599	599 100		3	R1

Secondary radio

RADIO 1 RADIO 2

☒ Primary ☐ Secondary
☐ Both ☐ Latch mode

☒ SO1R ☐ Plain Pile up ☐ He
☐ Alternate CQ ☐ Check Band ☐ W

☒ RUN ☐ S/P

40 599 599

Summary

BAND	QSO	DXC	DUP	POINTS	AVG
160	21	12	0	63	3.00
80	196	57	1	588	3.00
40	582	75	3	1746	3.00
20	656	99	2	1968	3.00
15	112	31	2	336	3.00
10	1	1	0	3	3.00
TOTAL	1568	275	8	4704	3.00

FINAL SCORE: 1 293 600

Win-Test: Distinguishing Features

1. Clean look and feel
 - Keyboard remapping via DEFINEKEYS command
 - Data entry done right
 - Right click for appropriate context menu
2. Bullet-proof networking
 - Important for any multi-multi
3. Advanced features
 - Super Check Partial N+1
 - Gray line map
 - Integration with Ham CAP propagation SW (QSY Wizard)
 - SO2R support, secondary radio window
 - Advanced rate charts / real-time statistics
4. Good documentation and User's Groups

Shortfalls of Win-Test

1. Euro-Centric — (popular with top European contesters)
2. Lacks support for most State QSO Party contests -- including the California QSO Party 😊
3. 50 Euros = \$70.00
4. Has not been updated for over one year

DXLOG.net

By 9A5K

The new "Win-Test" Clone

DXLOG.net

Contest configuration

Station

Callsign Grid square Exchange

DXCC prefix WAZ zone ITU zone State/Province/Other

Name

Address

Address

Address

Club

Contest

Contest

Category Mode

Overlay Op. name

Class Power

Operators

OK

Cancel

17:57:48 K6MM SR 2146z SS 1008z

Radio 1

VFOA 14 192.0

VFOB 1402.10

14080
14090
14100
14110
14120
14130
14140
14150
14160
14170
14180
14190
14200
14210
14220
14230
14240
14250
14260
14270
14280
14290
14300

EI3FW

YF1AR/8

RG61PP

C7A

SP6ZT

OZ/KH6DXX

RL22GM

Bandmap List

Check multipliers

160
80
40
20
1 15 17:26 MD2T 59 1
10

K: United States

Az: 0 Lp: 180 SR: 1200z SS: 0024z

Check callsign

BAND	SSB
160	
80	
40	
20	
15	X
10	

Summary

BAND	QSO	PFX	DUP	POINTS	AVG
160	0	0	0	0	0.00
80	0	0	0	0	0.00
40	0	0	0	0	0.00
20	0	0	0	0	0.00
15	5	4	0	10	2.00
10	5	5	0	13	2.60
TOTAL	10	9	0	23	2.30

FINAL SCORE: 207



Worked prefixes

AE0	AE1	AE2	AE3	AE4	AE5	AE6	AE7	AE8	AE9
HA0	HA1	HA2	HA3	HA4	HA5	HA6	HA7	HA8	HA9
KD0	KD1	KD2	KD3	KD4	KD5	KD6	KD7	KD8	KD9

Operating info

Active mode

Radio 1: SSB

RPT timer: 3.0 sec

CW speed

32 WPM

Contest recorder

14080
14090
14100
14110
14120
14130
14140
14150
14160
14170
14180
14190
14200
14210
14220
14230
14240
14250
14260
14270
14280
14290
14300

14080
14090
14100
14110
14120
14130
14140
14150
14160
14170
14180
14190
14200
14210
14220
14230
14240
14250
14260
14270
14280
14290
14300

14080
14090
14100
14110
14120
14130
14140
14150
14160
14170
14180
14190
14200
14210
14220
14230
14240
14250
14260
14270
14280
14290
14300

Rate

All bands - All modes

Last hour: 10 Q/h

10 last QSO: 22 Q/h

100 last QSO: 0 Q/h

Since 1700z: 10 QSO

Time ON: 00:28

Time off: 00:00

SSB

Check partials

[UNIQUE]	EASAD
EASADL	EASAH
EASAJ0	EASAM
EASAO0	EASAOV
EASARG	EASAV
EASAVK	EASAXB
EASAY	EASAZ

N+1

[UNIQUE]	9ASA	EASAD	EASAH	EASAM
EASAV	EASAY	EASAZ	HA8A	RA8A
UA8A				

QSO	Band	Time	Callsign	Sent	Nr	Rcvd	Pts	Mult	Stn
2	15	17:33	VE3AD	59	002	59 1	2	VE3	R
3	15	17:34	VE3CH	59	003	59 4	2		R
4	15	17:34	NR5H	59	004	59 7	2	NR5	R
5	15	17:34	W60AT	59	005	59 5	2	W6	R
6	10	17:44	AE6Y	59	006	59 6	2	AE6	R
7	10	17:45	KD5J	59	007	59 12	2	KD5	R
8	10	17:53	PY2AA	59	008	59 18	3	PY2	R
9	10	17:53	SP8CGU	59	009	59 8	3	SP8	R
10	10	17:53	HA7A	59	010	59 16	3	HA7	R
11	20	17:56	EA8A	59	011	59	0		

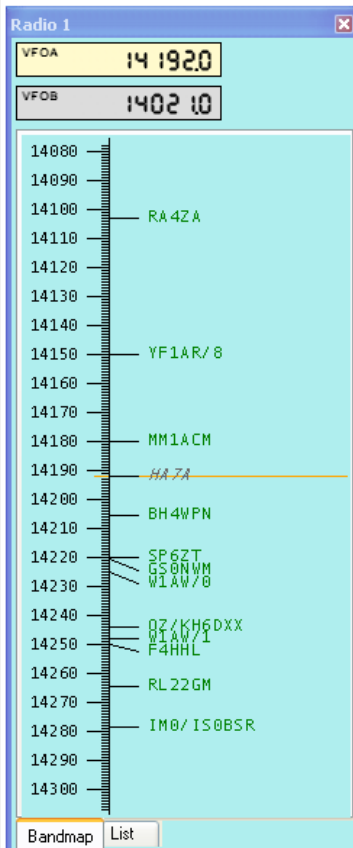
DXCluster [9A0DXC] - Connected

DX de IU0BBS:	24965.0	9V1SV	tnx siva 5/9
73s	1757Z00		
DX de EA3FUJ:	28437.5	W1AW/1	Tnx for Qso 73..
1757Z00			
DX de KU6J:	18088.0	W1AW/1	VT
1757Z00			
DX de IT9MRZ:	7085.5	YU7JDE	
1757Z JM7700			
DX de UN7TW:	7020.0	RK80KEDR	
1757Z00			
DX de WQ3X:	28027.0	VU2NXM	I'm beaming
nearly east 589	1757Z FN2000		

* DX 7085.5 YU7JDE (New multiplier) *

18:15:08 K6MM

SR 1200z SS 0024z



Check multipliers

160					
80					
40					
13	20	18:07	HA7A	59	21
15					
10	10	17:53	HA7A	59	16

HA: Hungary
Az: 41 Lp: 221 SR: 0432z SS: 1704z

Check callsign

BAND	SSB
160	
80	
40	
20	X
15	
10	X

Summary

BAND	QSO	PFX	DUP	POINTS	AVG
160	0	0	0	0	0.00
80	0	0	0	0	0.00
40	0	0	0	0	0.00
20	3	2	0	9	3.00
15	5	4	0	10	2.00
10	5	5	0	13	2.60
TOTAL	13	11	0	32	2.46

FINAL SCORE: 352



Worked prefixes

AE0	AE1	AE2	AE3	AE4	AE5	AE6	AE7	AE8	AE9
EA0	EA1	EA2	EA3	EA4	EA5	EA6	EA7	EA8	EA9
HA0	HA1	HA2	HA3	HA4	HA5	HA6	HA7	HA8	HA9

Operating info

Active mode

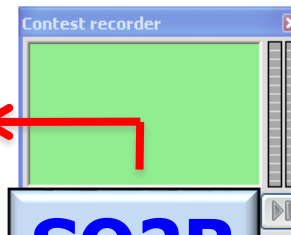
Radio 1: SSB
Radio 2: SSB

TX/RX status

	RADIO1	RADIO2
TX		
RX		

Listening: Radio 1
RPT timer: 3.0 sec

CV speed 32 WPM



S02R
Mode

Rate

All bands - All modes	
Last hour:	13 Q/h
10 last QSO:	17 Q/h
100 last QSO:	0 Q/h
Since 1800z:	1 QSO
Time ON:	00:42
Time off:	00:00

SSB

Check partials

--	--	--	--	--	--

5	15	17:34	W60AT	59	005	59	5	2	W6	R
6	10	17:44	AE6Y	59	006	59	6	2	AE6	R
7	10	17:45	KD5J	59	007	59	12	2	KD5	R
8	10	17:53	PY2AA	59	008	59	18	3	PY2	R
9	10	17:53	SP8CGU	59	009	59	8	3	SP8	R
10	10	17:53	HA7A	59	010	59	16	3	HA7	R
11	20	17:58	EA8AZ	59	011	59	22	3	EA8	R
12	20	17:59	RD3AW	59	012	59	03	3	RD3	R
13	20	18:07	HA7A	59	013	59	21	3		R
14	20	18:15		59	014	59				
14	160	18:15		59	014	59				

* DX 28437.0 W1AW/1 (New multiplier) *

DXCluster [9A0DXC] - Connected

DX de KB9KEG:	18163.0	W1AW/1	
1814200			
DX de 9A7AR:	24952.2	9A3WL	CQ CQ CQ
1814200			
DX de K3SEW:	28437.0	W1AW/1	Good groundwave
NOW	1814200		
DX de NM5Z:	28020.1	T77C	
1814200			
DX de UU2JQ:	10120.0	UP0KEDR	UP0! Not UP80!
1814200			
DX de W3LPL:	28018.8	EA6UN	Heard in OH
18142 FM1900			

DXLOG.net: Highlights

1. It's currently Free
2. Covers all popular contests plus you can add your own
3. ESM feature
4. Overall Layout Options
5. Strong author support
6. Speed
7. No Winkey required
8. Win-Test compatibility (= easy to switch)
9. DEFINEKEYS dialog (remap keys to your preference, like PageUp/Down for CW speed)
10. Advanced SO2R scenarios

DXLOG.net: Shortcomings

1. "New" – Introduced on Sept. 2013
2. Learning curve
3. SO2R not as clean as N1MM
4. Multi-Op and Networking (implemented but not stress tested)
5. Every release seems to fix some bugs, but adds others (however quickly fixed when reported)
6. Euro-Centric – (popular with top European contesters)

Bottom Line: Work-in-Progress but definitely worth a look

SkookumLogger

Mac OSX Users



SkookumLogger: For Mac OSX Users

SkookumLogger File Edit View Font Log Radio Antenna Messages Morse Help

Sat 5:38 AM Dad

40m Activity

Call	Freq	Age	Source	Info
<rx>	7.016.060	0	radio	
VK2IG	7.013.900	1	ZL2RV-#	CW 23 dB 16 WPM CQ
ZL1BYZ	7.013.000	2	KQ8M-98...	CW 09 dB 28 WPM CQ
VK4SN	7.016.000	3	JA4ZRK-#	CW 15 dB 27 WPM CQ
VK2PN	7.015.100	6	ZL2RV-#	CW 35 dB 23 WPM CQ
ZL2AZ	7.017.500	6	VK1LW-#	CW 14 dB 23 WPM CQ
ZM1A	7.012.000	16	NC7J-#	CW 19 dB 27 WPM CQ
VK2BJ	7.008.000	20	JE1SGH-#	CW 22 dB 26 WPM CQ
<subrx>	7.009.920	33	radio	
VK2DX	7.002.000	46	KM3T-#	CW 12 dB 28 WPM CQ

20m Activity

Call	Freq	Age	Source	Info
VK2BJ	14.016.000	1	JE1SGH-#	CW 29 dB...
VK4UC	14.039.400	1	K3MM-#	CW 10 dB...
ZL2JT	14.025.600	2	W4KQV-#	CW 08 dB...
VK4DX	14.024.000	13	9V1RM-#	CW 06 dB...

15m Activity

Call	Freq	Age	Source	Info
9M8DX	21.033.100	0	JA4ZRK-#	CW 06 dB...
VK4TJF	21.012.400	0	R1DX	
VK4XY	21.009.000	1	KH6LC-#	CW 27 dB...
YC1BJX	21.020.000	4	4Z5TK	
DX1L	21.021.800	6	JE1SGH-#	CW 08 dB...
YB2LSR	21.024.400	7	KH6LC-#	CW 23 dB...
ZL1TH	21.037.000	8	UT5ZA	cq Contest
JG8NQJ/JD1	21.045.300	19	JA4ZRK-#	CW 09 dB...
DU1EV	21.039.000	22	RW0BG	OCEANIA-...
YE1C	21.040.000	25	RT3T	
VK2DX	21.013.000	25	JE1SGH-#	CW 26 dB...

10m Activity

Call	Freq	Age	Source	Info
YE1C	28.040.000	45	9V1RM-#	CW 18 dB 24 WP...
JG8NQJ/JD1	28.050.000	33	9V1RM-#	CW 09 dB 23 WP...

Oceania CW 2012.sl-binary

0 of 4 Qr Call

UTC	Rx Freq	Tx Freq	Band	Callsign	Sent	Rcvd	Notes	D	SQ	P	SM
10/13/12 9:58:29 AM	7.003.000	7.003...	40	ZL3IO	1	124					✓
10/13/12 10:12:09...	7.005.980	7.005...	40	VK2IM	2	144					✓
10/13/12 10:31:34...	7.009.010	7.009...	40	ZM2B	3	165					✓
10/13/12 10:37:23...	7.017.040	7.017...	40	VK4CT	4	163					✓

Score

B	CW	SSB	D	S	P
160m	0	0	0	0	0
80m	0	0	0	0	0
40m	4	0	0	0	4
20m	0	0	0	0	0
15m	0	0	0	0	0
10m	0	0	0	0	0
All	4	0	0	0	4

Score: 80

Rate Tracker

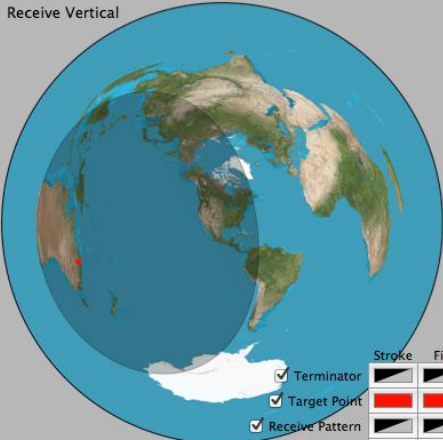
Instantaneous: 12.0
Last 10 QSOs: 00.0
Last 100 QSOs: 00.0

Time Tracker

Start Date: 10/13/2012 3:00 A
Contest Duration: 24:00:00
Minimum Off Period: 00:00:00
Maximum On Time: 00:00:00
Time Since Last QSO: 00:01:35
Time to End: 16:21:00
On Time Used: 00:00:00
On Time Remaining: 00:00:00
Off Time Used: 00:26:49
Off Time Remaining: 23:33:10
Number of Off Periods: 1

EM12ex

TX: Tribander
RX: Receive Vertical



Stroke Fill
Terminator
Target Point
Receive Pattern
Transmit Pattern

Snapshot: K5NA Oceania CW Contest

10:38:59 K5ND RS(T) 5

CW 7.009.920 +000
599 599

Run

CW 7.016.060 +000
599 599

Pounce

SkookumLogger

Mac OSX Users

- (+) Newer application but gaining support
- (+) Beautiful Interface
- (+) Handles most popular contests
- (+) Uses Winkeyer to send CW
- (+) Excellent documentation
- (-) No Network, Muti-Op or RTTY support – yet
- (-) No email reflector or user's group
- (-) No other choice 😊

Summary

- Several great *Contest Logger* choices today for all levels: **Beginner** – **Intermediate** – **Advanced**
- **N3FJP** – Great for Beginners; \$
- **TR4W**: Future cloudy; solid current version; Free
- **N1MM**: Feature-rich; Free; Advanced Users
- **WriteLog** – Long-in-tooth; \$\$; good choice for Intermediate/Advanced Users
- **Win-Test**: Advanced Users; Not updated often; \$\$
- **DXLog.net**: Work-In-Progress but promising; Free
- **Skookumlogger**: Only practical OSX choice; Free

My Advice

1. Don't be intimidated by this type of software
2. Download and try a few loggers
3. Find the user interface you like the best
4. Stick with it for a few contests
5. Join a local contesting club for more support

Questions? Discussion?

