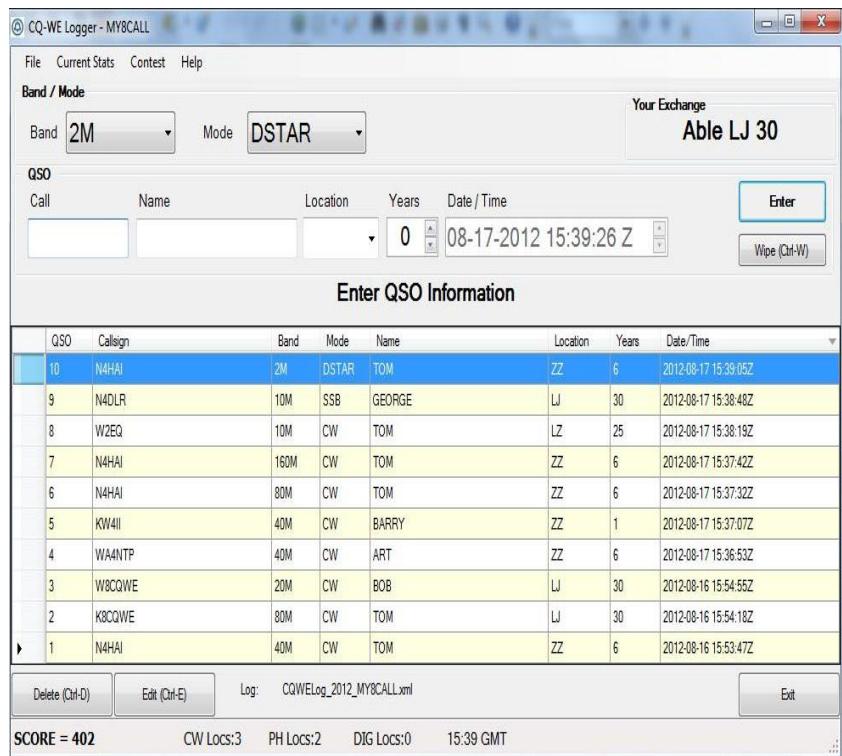


2012 CQ-WE Contest Logger Program



USERS GUIDE

September 22, 2012

Programming by:
Tom Foy, N4HAI

Document
by G. Foy, N4DLR

Table of Contents

Introduction.....	4
Installation.....	5
Must remove previous version of the program.....	5
Installing the CQ-WE Logger for first use in the contest.....	5
Verify Microsoft .NET Framework 4 Client Profile installed in Windows 7.....	5
Verify Microsoft .NET Framework 4 Client Profile installed in Windows XP.....	7
Install the program.....	9
Optional Setup Ham Radio Deluxe Interface.....	12
Step 1. Set up HRD and the CQ-WE Logger.....	13
Step 2. Toggle the HRD interface during current logging.....	18
Step 3. HRD Setup fails during Step 1.....	19
Using the Program.....	20
Starting Program.....	20
Starting the program in Windows 7 or Vista.....	20
Starting the program in Windows XP.....	21
Exit program.....	22
Exit the program using different methods.....	22
Program Basics.....	22
Change Viewing Size.....	22
Using re-size function.....	22
Opening in full screen.....	23
Short-cuts Using the Keyboard Ctrl+ and Function keys.....	23
Enter the QSO.....	24
Enter QSO Fields.....	24
Enter the QSO into the log.....	25
Dupe entry resolution.....	26
Dupe entry.....	26
Clear the Dupe entry.....	26
Using Wipe and Undo entries.....	27
Other QSO entries.....	29
Enter QSO with Excessive Years of Service.....	29
Enter a Second QSO When the Information is Different.....	30
Location 'ZZ' Entry.....	32
Location ZZ and Valid Years.....	32
Contestant and Contact are Location Code 'ZZ'.....	32
Wrong Location Code Entry and Finding Correct Code.....	33
Change QSO Entry Before Entering the QSO using Tab.....	34
Mistaken QSO Entry of Contestant's Call Sign.....	35
Entering QSOs after the contest.....	35
Finding Current Log Location and File Name.....	37
Backup Logger Data.....	37
Backup current log.....	37
View QSOs in Backup.....	38
Go back to the working log file.....	40
Finding QSO by Call Sign.....	41

Edit Logged QSOs.....	42
Select one QSO to edit.....	42
Edit one entry.....	42
Edit multiple QSOs for the same call sign.....	43
Delete a QSO.....	44
Other Menus: File, Current Stats, Contest, Help.....	45
File Menu.....	45
File Menu New.....	45
File Menu Submit Contest Log.....	46
File Menu Exporting ADIF.....	47
Current Stats.....	48
CW, Phone and Digital Statistics.....	48
Overall Statistics.....	49
Show Time Information.....	49
Show Locations Codes.....	50
Contest pull down menu.....	50
Help Menu.....	50
Print Out the Logger Data.....	51
Remove the CQ-WE Logger program.....	55

Introduction

Welcome to the CQ-WE Logger Program Users Guide. This document is meant to help the contestant understand how to use this program. The most current copy of the Users Guide can be found at the CQ-WE web site: <http://cqwe.cboh.org/>.

The program works similarly to other log programs, but is specific to the CQ-WE Contest. It has been verified to work in Microsoft Windows XP, Vista and 7. The program may work in other systems, but was not tested.

If a previous CQ-WE Logger Program has been installed, it must be removed before installing the current version.

Before installing the program, the contestant must verify the current Microsoft .NET Framework 4 is installed in their system.

During the use of the program the CQ-WE Committee urges the contestant to allow the program to save any files to the programmed folder location and file names. Further recommended is the contestant never open or view any of the file names, other than within the program, to prevent possible data loss or mutilation.

As an option, the program and Ham Radio Deluxe (HRD) can interface to change the Band and Mode in the logger as the operator does. Otherwise the contestant must change Band and Mode while entering QSOs.

The CQ-WE Committee strongly recommends the contestant load this program as soon as possible before the Contest to become familiar with its operations.

Some of the features in the CQ-WE Logger are:

- Self loading from the 'zip file' after running set-up.
- 'Bell System Location Codes' are limited to 75 yrs service and non-Bell 'ZZ' is limited to 6 years for the 2012 contest. In the following years 'ZZ' will incremented automatically by the program. (2013 is 7, etc)
- Automatically updates the QSO entry log, scoring and verifies valid entries.
- Allows the contestant to clear the current entry and start another QSO entry.
- Program auto-fills QSO information from latest QSO, no need to re-enter information. Allows data changes to current QSO.
- Allows manual log backups at any time. The backup name generated is based on the current date and time.
- Audible and visual alerts to the contestant of Dupe contact, Location Code or other errors. The suspected Dupe information is fully displayed.
- Allows the contestant to manually enter their QSO(s), such as, transferring QSO information from a paper log into the program. The program automatically updates the contact date and time when QSO information is updated.

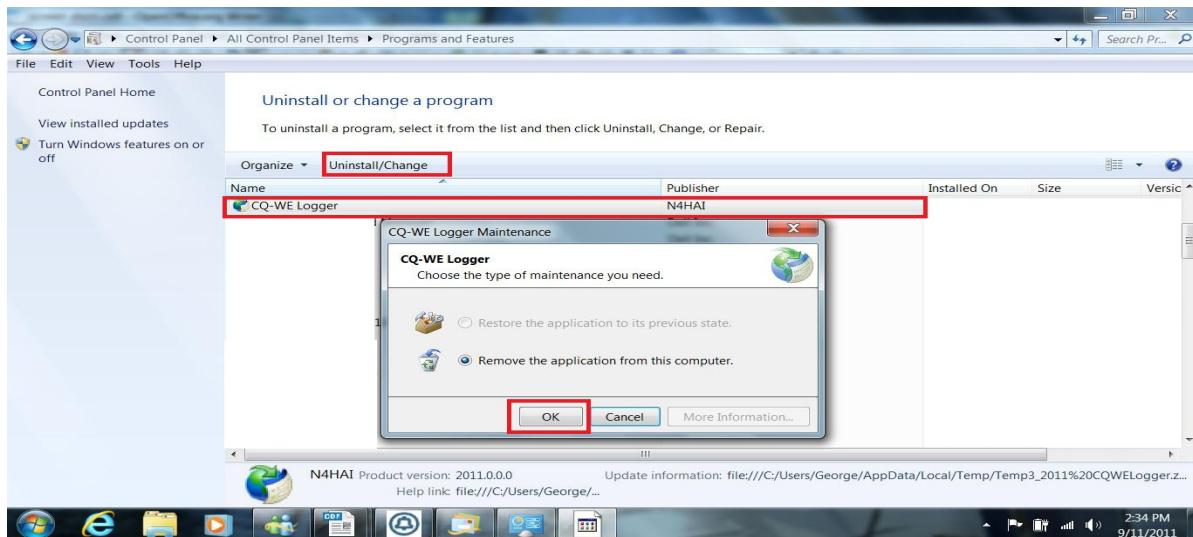
- As an option, the program interfaces with Ham Radio Deluxe (HRD) to automatically change band and mode.
- The program re-starts with the last band and mode information. For example the operator closes down their station and computer for the night to return in the morning. After re-starting the program it opens in the last used band and mode, rather than the default initial settings.

Installation.

Must remove previous version of the program.

If a previous version of the CQ-WE Logger Program has been installed, it must be removed before continuing.

Remove/delete the program using the standard Windows method. Select 'Start' > Control Panel > Programs and Features. Highlight CQ-WE Logger and 'uninstall'.



The program is then removed.

Next, Continue to "[Install the Program.](#)"

Installing the CQ-WE Logger for first use in the contest.

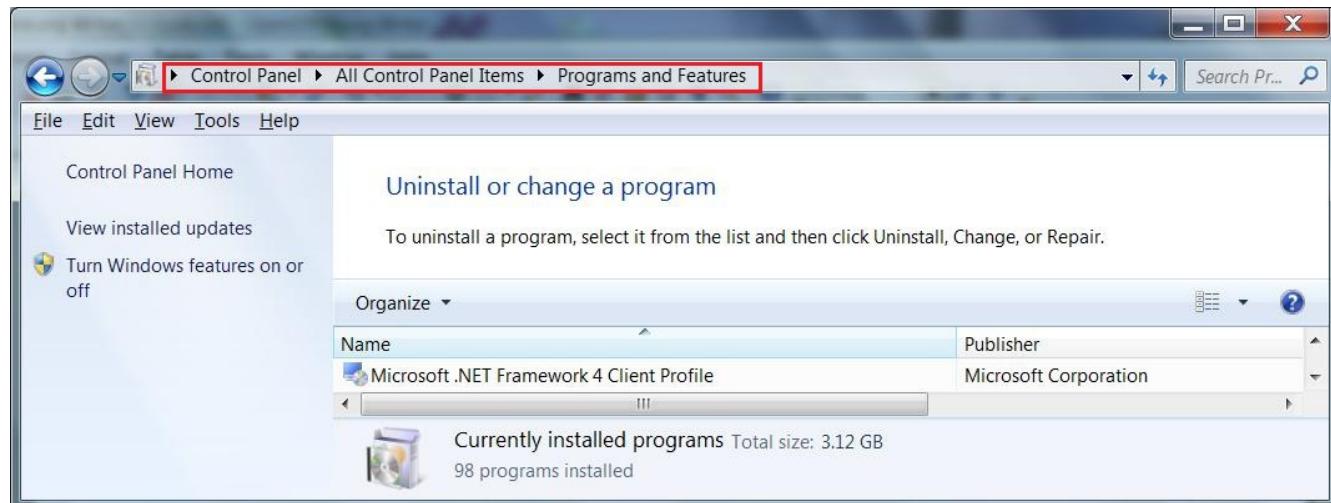
Microsoft .NET software must be running in the computer.

Verify Microsoft .NET Framework 4 Client Profile installed in Windows 7.

The Operating System is suggested to have all necessary Microsoft updates installed. **The program requires Microsoft .NET Framework 4 Client Profile in order to run properly.**

To verify this is installed in Windows 7, go to Control Panel then Programs and Features. Scroll through all the programs looking for 'Microsoft .NET Framework 4

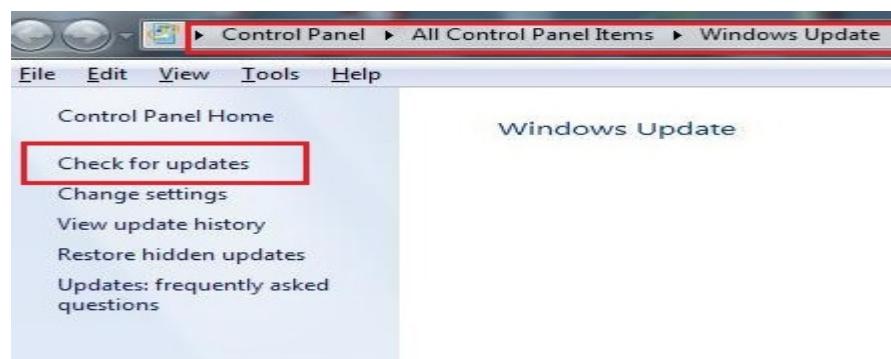
Client Profile'. If present move on to Installing the program.



IF NOT PRESENT, from 'Start' select 'All Programs' and scroll to Windows Updates.



Press 'Windows Update' to show the following window.



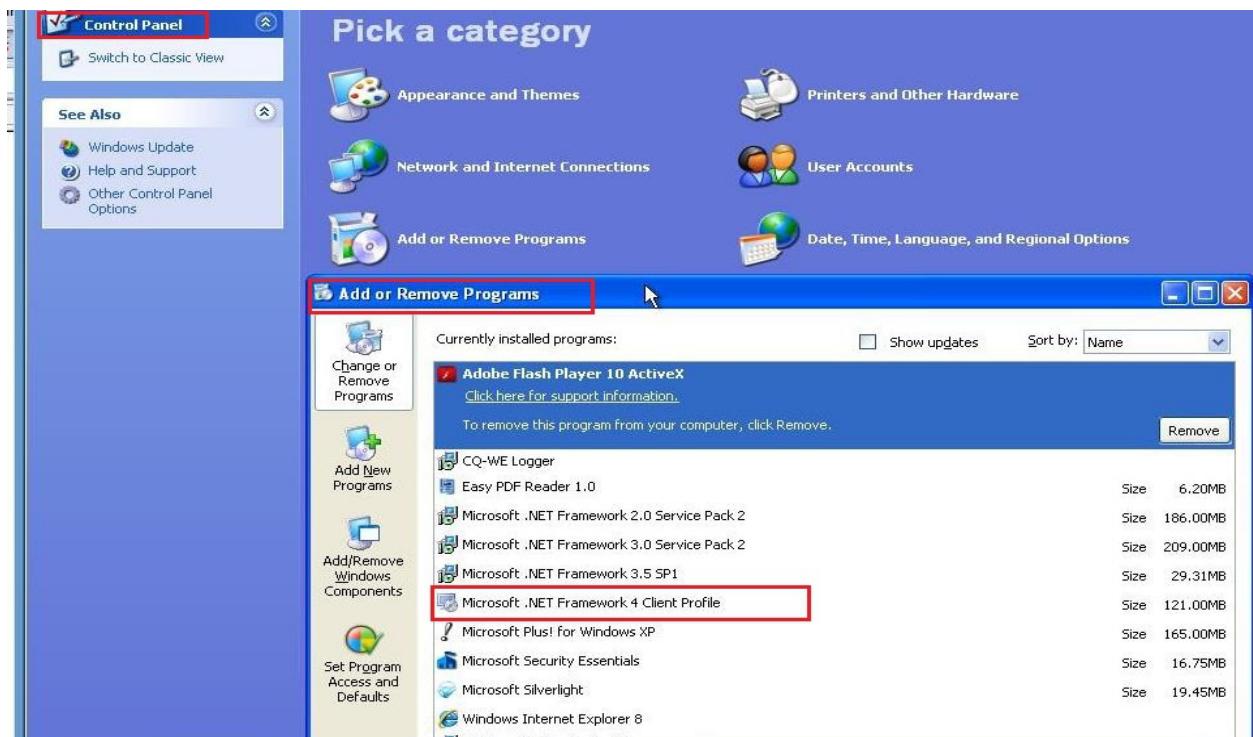
Press 'Check for updates'. The program will show a listing of suggested programs to install. Select Microsoft.NET Framework 4 Client Profile and install as directed.

After this software is installed, the contestant should repeat these steps checking if there are other updates suggested since Microsoft.NET Framework 4 Client Profile was installed.

Verify Microsoft .NET Framework 4 Client Profile installed in Windows XP.

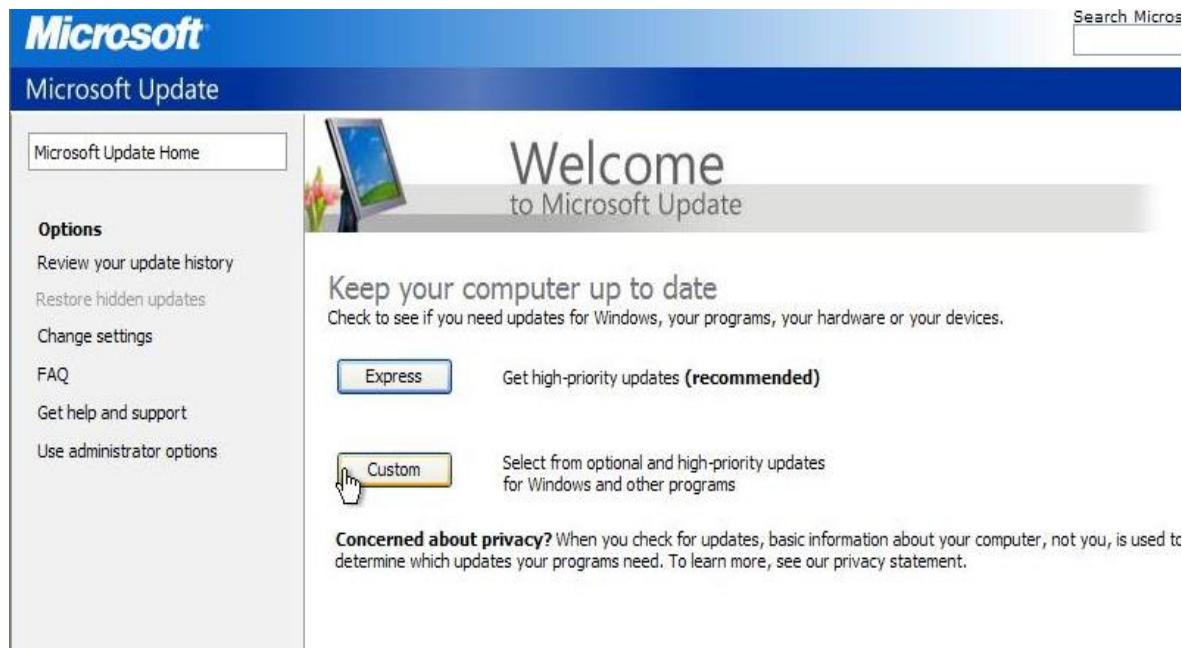
The Operating System is suggested to have all Microsoft updates installed. **The program requires the current Microsoft .NET Framework 4 Client Profile in order to run properly.**

To verify Microsoft .NET Framework 4 Client Profile is installed in Windows XP, go to Control Panel then Add and Remove Programs. Scroll through all the programs looking for 'Microsoft .NET Framework 4 Client Profile'.



If Microsoft .NET Framework 4 Client Profile is present move on to Installing the program.

IF NOT present, from 'Start' select 'All Programs' then select 'Windows Update'. In the display, select 'Custom'. The program will show a listing of suggested programs to install. Select Microsoft.NET Framework 4 Client Profile and install as directed.



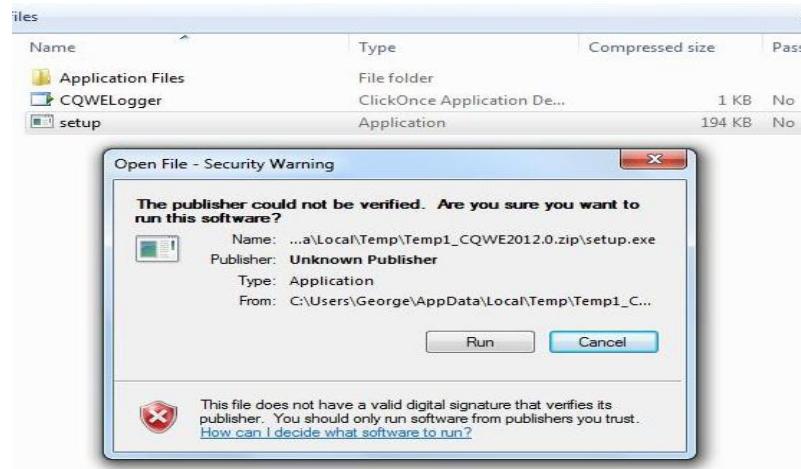
After this software is installed, the contestant should repeat these steps checking if there are other updates suggested since Microsoft.NET Framework 4 Client Profile was installed.

Install the program.

Download the program 'Zip file' from the CQ-WE web site.

From the location you have stored the file (Downloads, Desktop, Documents, etc), click the zip file folder symbol. Double click the set-up.exe file.

The screen will open the 'Run' option.

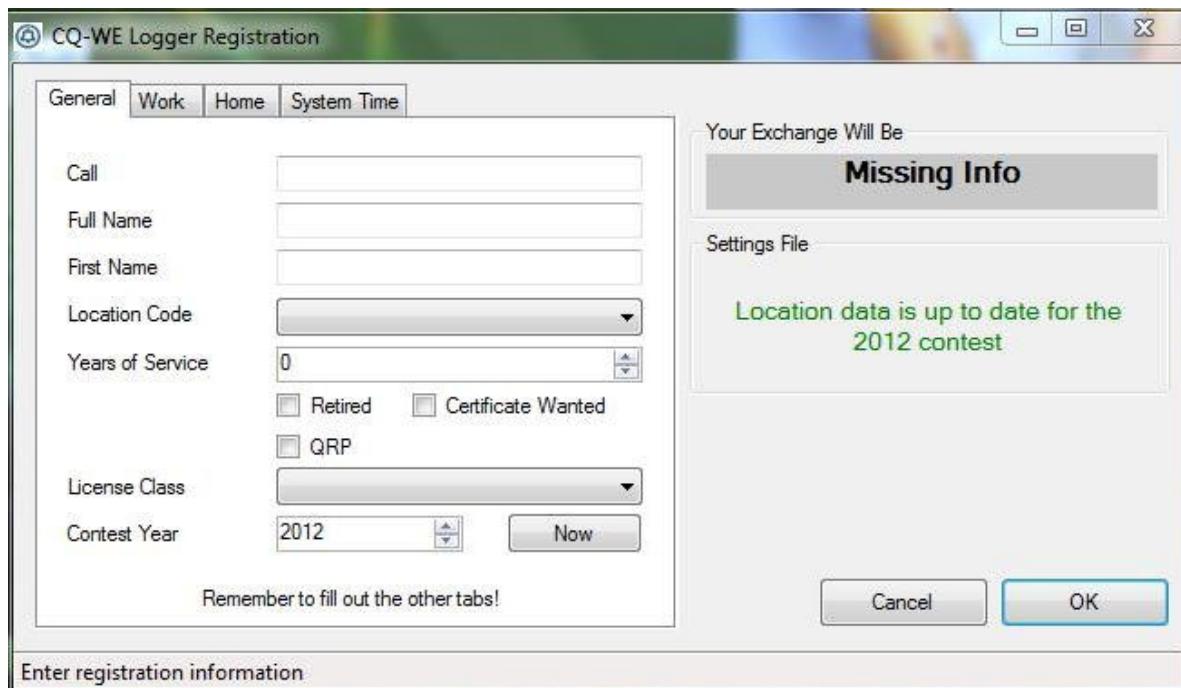


Press 'Run'.

Windows security will indicate the publisher cannot be verified. Press the Install button.



The program will load and display the Registration window.

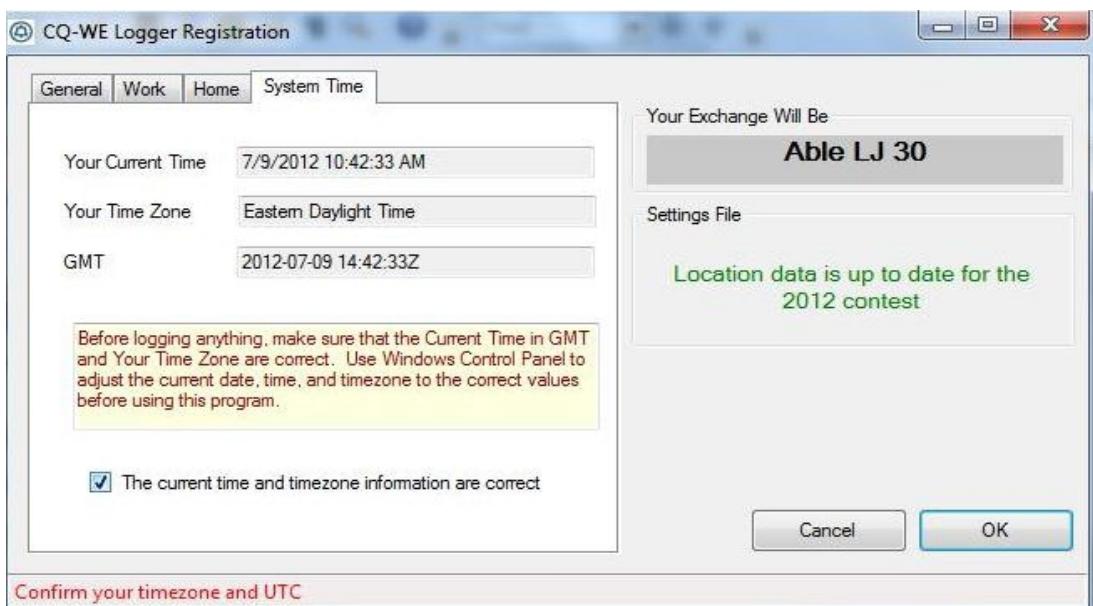


Complete the information for call sign, name, location code, years of service. Select Certificate Wanted if requesting a paper certificate sent to you and your license class.



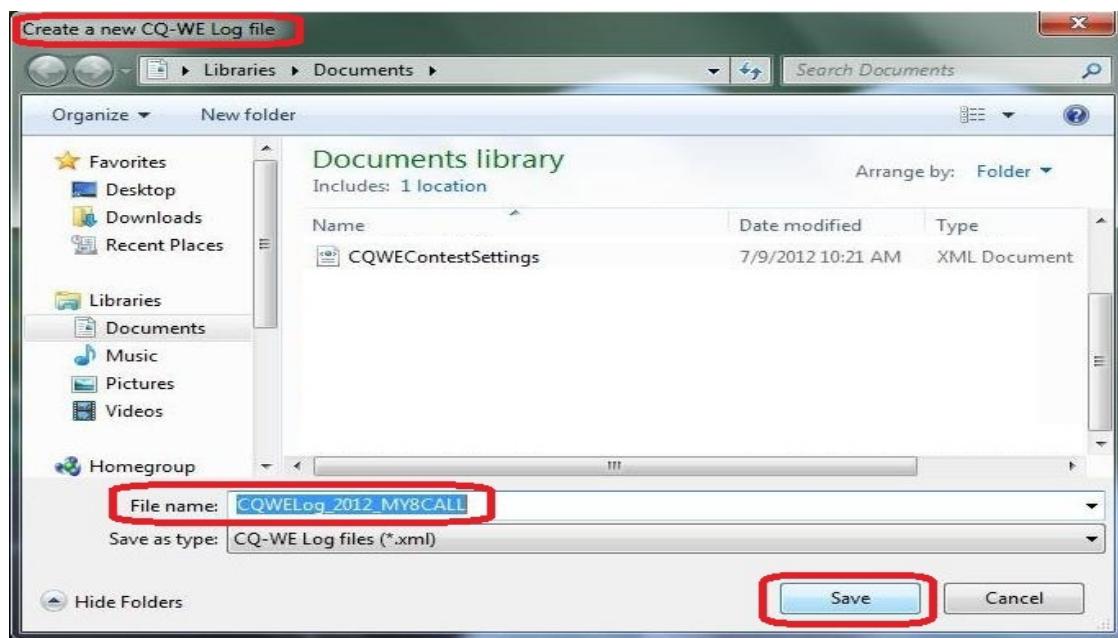
Next, complete the Work and Home Menus as needed.

The last Menu, System Time is verification of the local and GMT date and time.



Complete by clicking the check box resulting in a check mark, press OK.

The program will ask the to verify the location of the saved logging data.

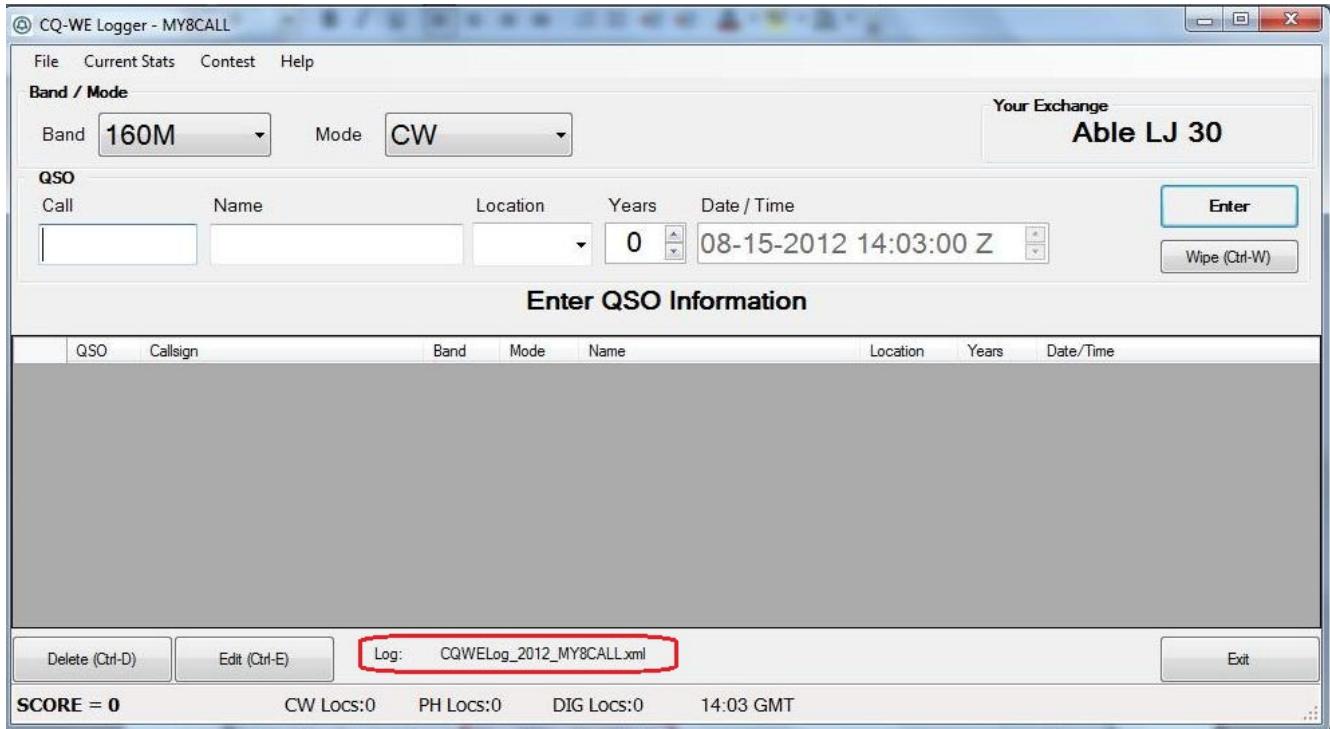


Note the file name is CQWELog_2012_ 'the call sign used in the registration'. Here the file name is CQWELog_2012_MY8CALL. Press Save.

Highly recommended is to allow the program to use its default location \Documents\ and file name(s) anytime a file is saved.

One may want to change file names or locations, however this is not supported since data corruption, scoring errors, or final log submission errors are possible. Do not open or view any log data files, other than within the program, due to possible corruption of the data contained.

After pressing Save button, the enter QSO window is displayed.



Notice the current log file name is displayed and the program is ready to Enter QSO Information.

Optional Setup Ham Radio Deluxe Interface.

If the contestant plans to use HRD, this is the convenient time to set-up the interface. Of course, this can be done anytime.

If the contestant does not plan to use HRD, proceed to Enter a QSO.

Ham Radio Deluxe (HRD) is a suite of free Windows programs providing computer control for commonly used transceivers. HRD Installation is not described here. Using HRD with the CQ-WE Logger presumes the contestant is well versed with HRD and computer copy and paste functions.

The CQ-WE program can use HRD as a source for Band and Mode helping to eliminate errors. When HRD is in use, the contestant cannot manually change the program's band and mode.

HRD must be set-up in the Contest menu each time the CQ-WE Logger is started. Also using the Contest menu, the contestant can disassociate HRD from the program and return to manual Band and Mode settings.

HRD Version 5.23 or 6.0 should connect with the logger program as in Step 1. If either version fails in Step 1 the contestant is directed to go to Step 3.

Step 1. Set up HRD and the CQ-WE Logger.

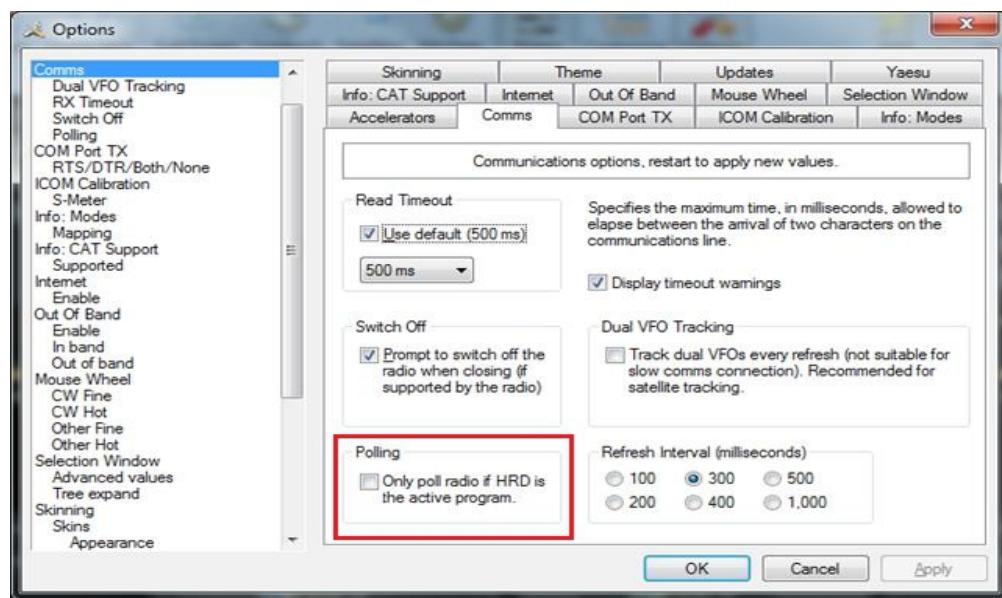
To begin, the CQ-WE and HRD programs should not be running. The contestants rig should now be powered on.

Start HRD. The program should be reading the radio information in a normal setting.

To ensure HRD and the CQ-WE Logger program interface are set correctly, open 'Options' from the tool bar menu.

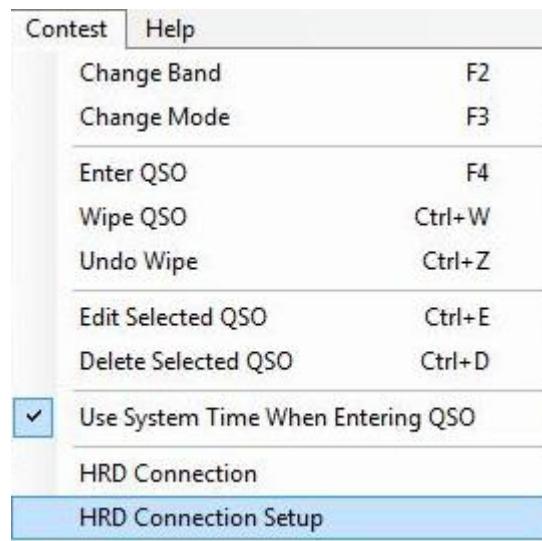


Select 'Comms'. The 'Polling' section should not be checked marked.



Start CQ-WE Logger program.

Open CQ-WE Contest menu and select HRD Connection Setup.

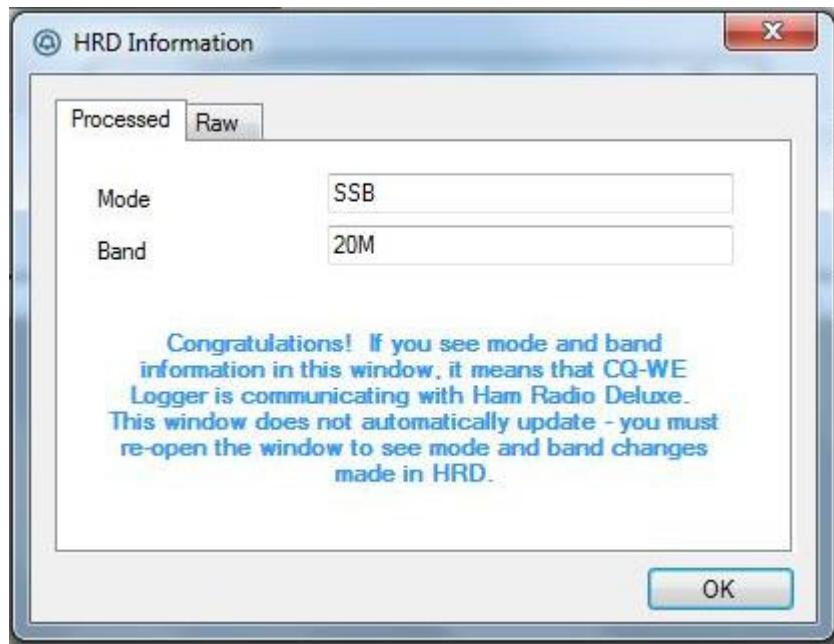


After the HRD Setup window opens, click the Test button.

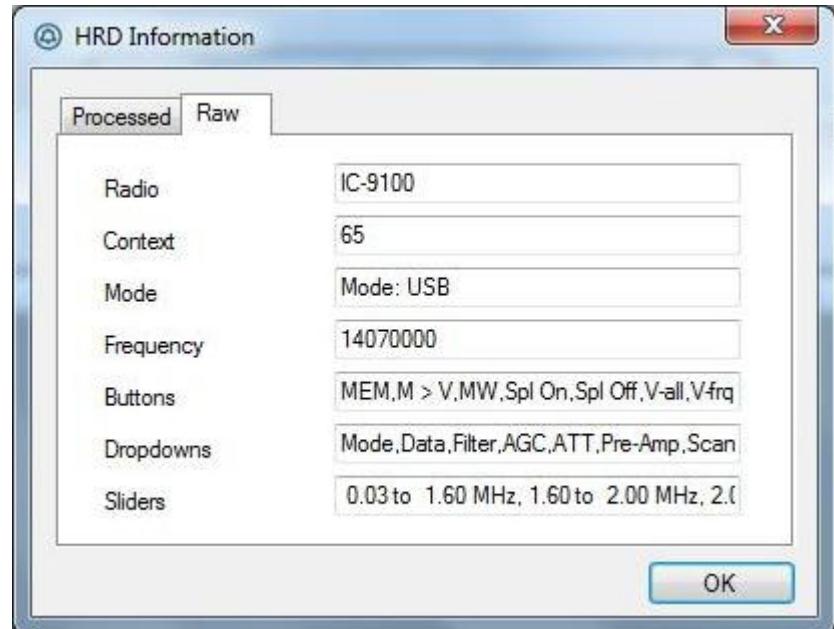


When the Test is successful (showing HRD and CQ-WE Program are interfacing), the following is shown in the Processed tab.

If this Test fails at this point, go to Step 3.

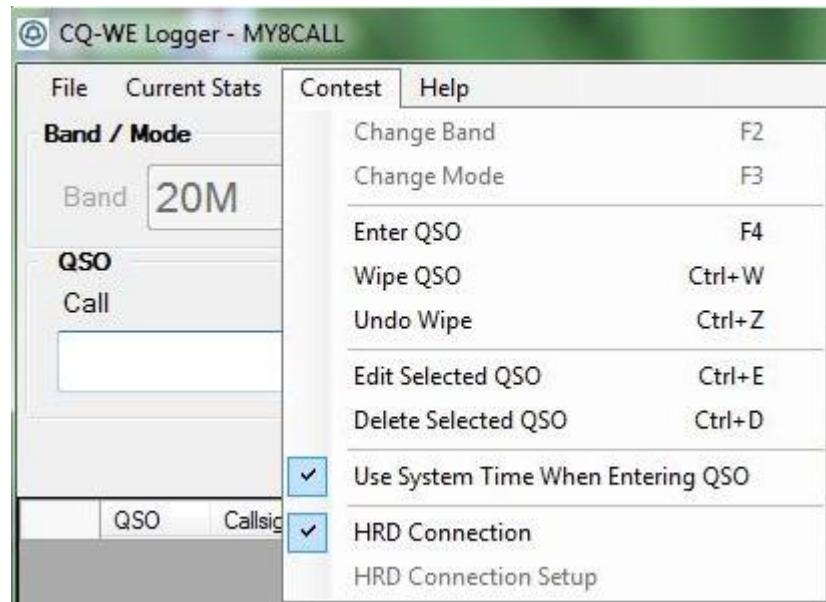


The Raw Tab displays the radio information from HRD.

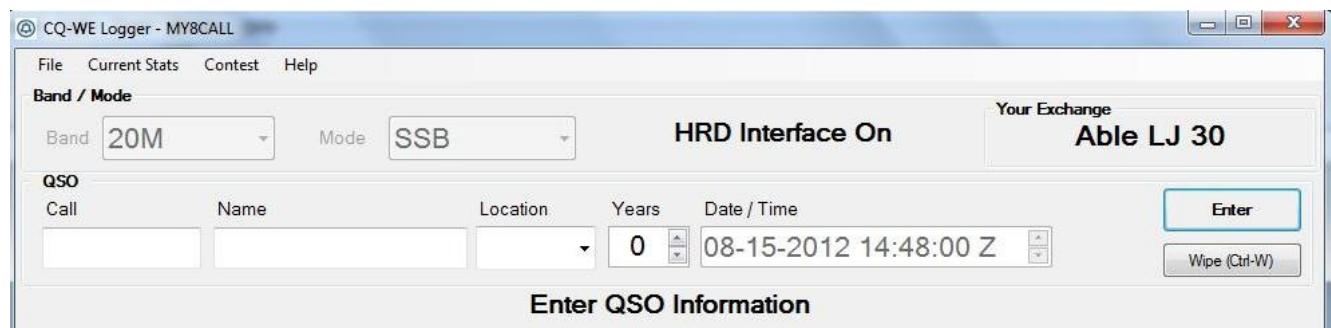


Click OK on all HRD windows to return to the Contest Menu.

Next click HRD Connection, which will display a check mark. Both programs are now interfacing.



The CQ-WE Logger will function normally. As the contestant changes Band and Mode on the equipment, the Logger program will also change Band and Mode. The contestant cannot override these data.



Note: This message is only used when HRD is running.

If the contestant changes their rig to a band not allowed in the Contest, the Band / Mode will remain on the previous settings.

Further, the program displays that HRD is on and being used to change Band and Mode.

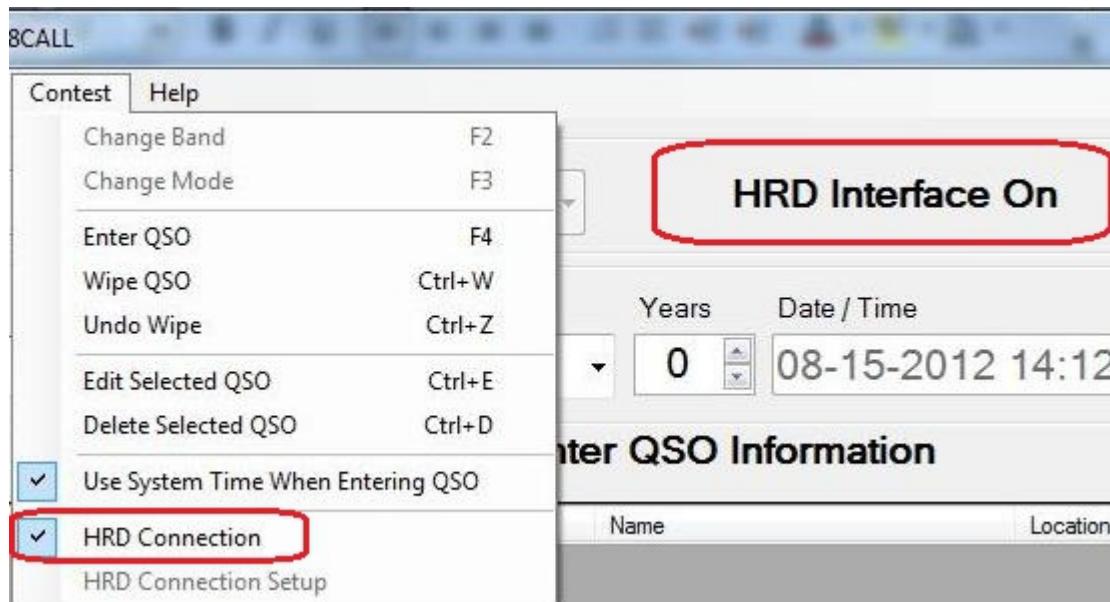
After exiting the Logger and restarting the logger with HRD running, the program displays HRD interface is off - - not connected.



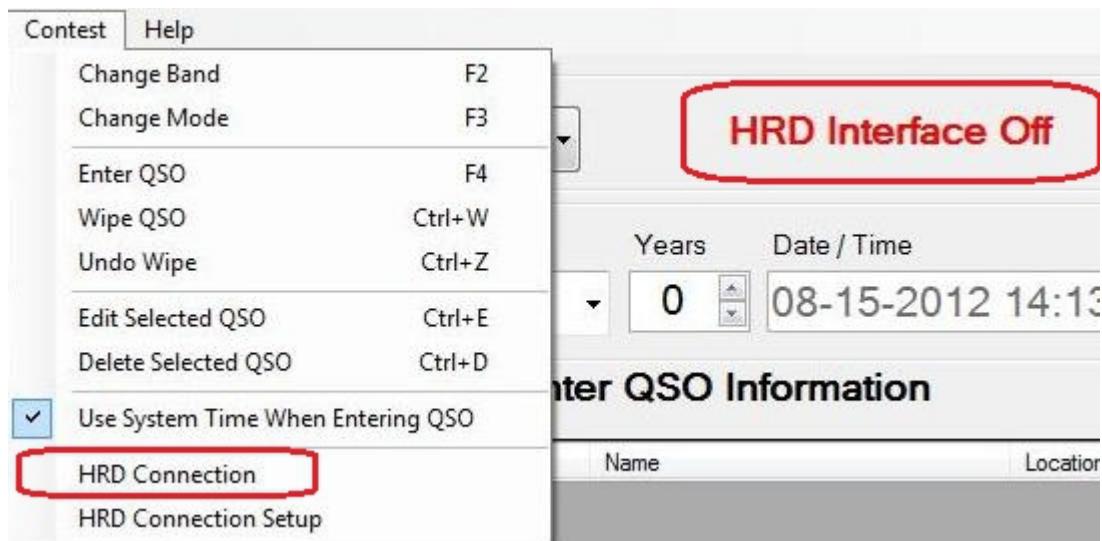
Note: This message is only used when HRD is running.

Step 2. Toggle the HRD interface during current logging.

Connecting and disconnecting the HRD interface is performed by opening the Contest menu and highlight 'HRD Connection'. Click the check mark on or off to connect or disconnect the HRD interface.

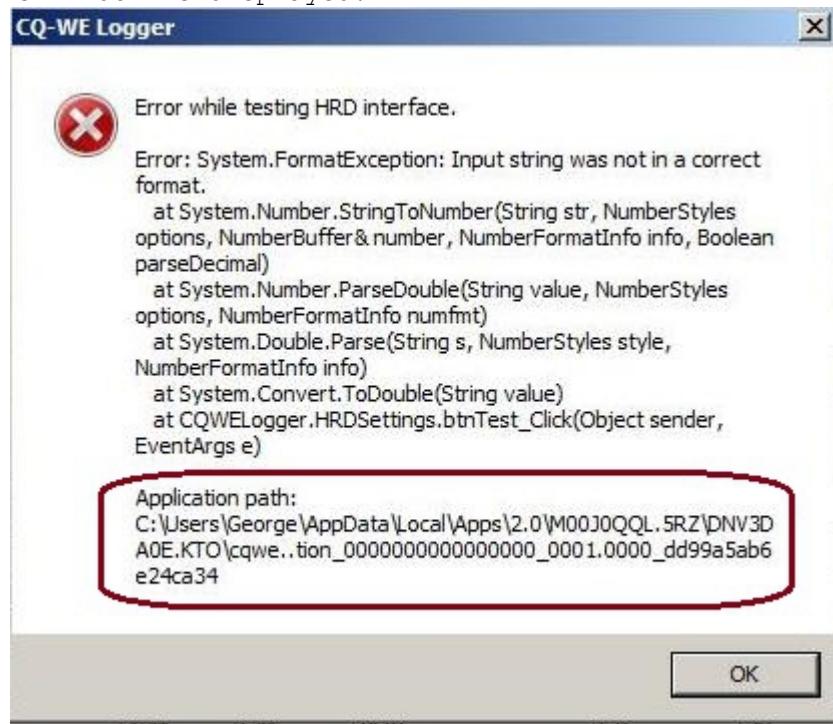


As described above the logger will display HRD Interface On or Off.



Step 3. HRD Setup fails during Step 1.

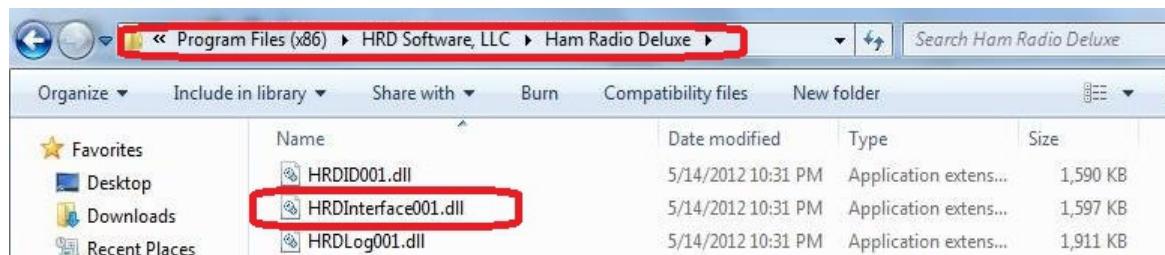
If the HRD set up process fails during HRD Connection Setup, after pressing the Test button, this window is displayed.



Write down the entire Application path -- <C:\Users> etc. This is the directory in which the CQ-WE application resides.

Exit the CQ-WE and HRD programs.

Go to the HRD program folder and copy the HRDInterface001.dll file.



Next go to the noted location of the CQ-WE application then copy and replace the existing HRDInterface001.dll.

Return to Step 1 to confirm the CQ-WE and HRD Interface is now operational.

Using the Program.

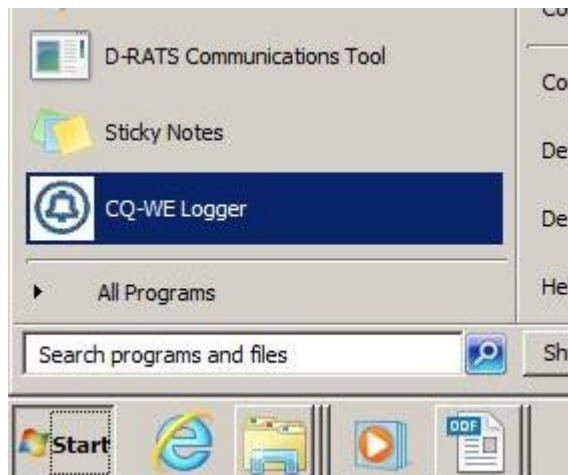
Starting Program.

If you just installed the program and it is already started you may skip ahead to the next section and refer back to this section later.

Starting the program is the same as any other Windows program by beginning with 'Start' at the lower left on the Desktop.

Starting the program in Windows 7 or Vista.

Start in Windows 7 and Vista. From the 'Start' select and press CQ-WE Logger.



Or select the on-screen CQ-WE Logger short-cut icon.



Starting the program in Windows XP.

Starting in Windows XP is similar to W-7. Select the CQ-WE Logger short-cut on the desktop.



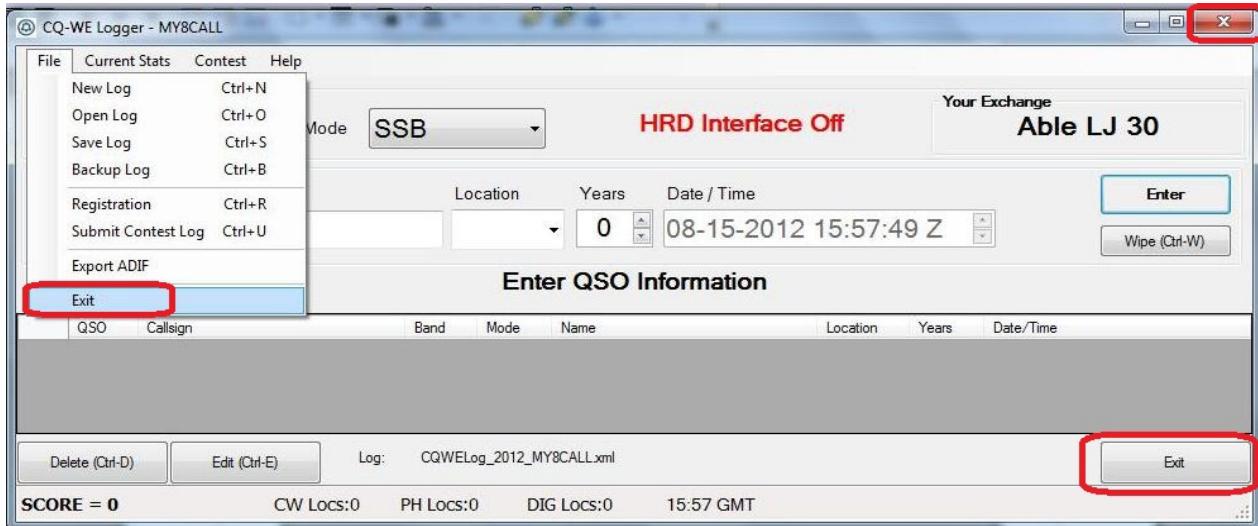
Or begin from 'Start' then select 'CQ-WE Logger'.



The program will start using the current log file name ('CQWELogger_ 'call sign used in registration').

Exit program.

Exit the program using different methods.



Open the File Menu and click Exit, or press Exit at the lower right of the window, or click 'X' at the upper right of the program window.

After selecting Exit, the program will verify the user wants to exit.



Press 'Yes'. The current log data is saved.

Program Basics.

Change Viewing Size

Using re-size function.

The viewing size of the program window can be adjusted to the users comfort by click and re-size at the lower right of the window. Also, the size can be changed by clicking the horizontal or vertical edges and moving the edge as desired.



Opening in full screen.

To make the logger window full screen size, press the normal Windows function in the upper right of the logger window.



Short-cuts Using the Keyboard Ctrl+ and Function keys.

The logger program allows the user to enter data, change entry information manually, by moving the mouse, by displaying pull down Menus, using the keyboard Control or 'Function keys.

The Function and Control keys are listed and later discussed.

Ctrl+N New Log
Ctrl+O Open Log
Ctrl+S Save Log
Ctrl+B Backup Log
Ctrl+R Registration window
Ctrl+U Submit Contest Log
Ctrl+E Edit selected QSO in log
Ctrl+D Deleted selected QSO in log
Ctrl+W Wipe/Clear the current entry such as clearing a DUPE
Ctrl+Z Undo Wipe/Clear. Return QSO information

F2 Change Band
F3 Change Mode
F4 Enter a completed QSO

Sometimes there are multiple ways to accomplish the same task by using a function key, clicking a button or pressing the enter key. The first and most basic examples of program use that follow will mention all methods of completing each task but subsequent examples going into further detail will be more generic and assume you've understood the earlier methods of completing the basic tasks.

Enter the QSO.

Enter QSO Fields.

Before making entries, the Band and Mode in the logger must be the same as the radio.

Band. Select a 'Band' by using the drop down. The user can move the mouse up and down over the bands to make a selection, or use the keyboard up-down-left-right arrows, or use mouse 'press and hold' the down arrow next to the band window to select. After selecting the Band, the user can press the mouse key, the keyboard 'Enter' or the keyboard 'Tab' to complete the selection.

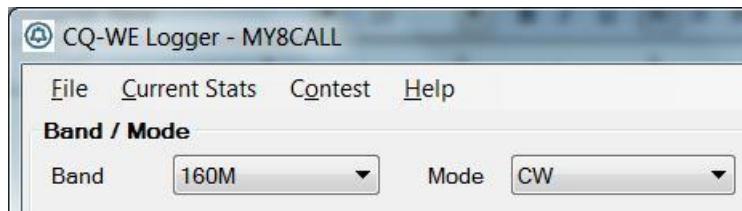
Band can also be changed using the keyboard F2. Each time F2 is pressed the Band changes.



Mode. Select a 'Mode' by using the drop down. The user can move the mouse up and down over the modes to make a selection, or use the keyboard up-down-left-right arrows, or use mouse 'press and hold' the down arrow next to the Mode window to select. After selecting the Mode, the user can press the mouse key, the keyboard 'Enter' or the keyboard 'Tab' to complete the selection.

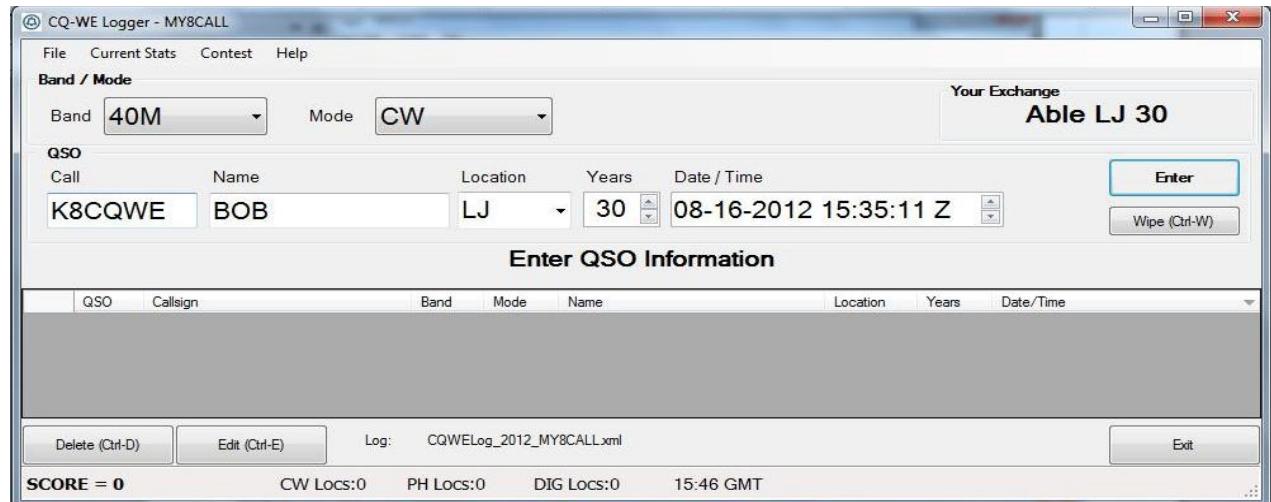
Mode can also be changed using the keyboard F3. Each time F3 is pressed the Mode changes.

For example, change the Band to 160M and Mode to CW. (Band & Mode set is automatic if interfacing with HRD).



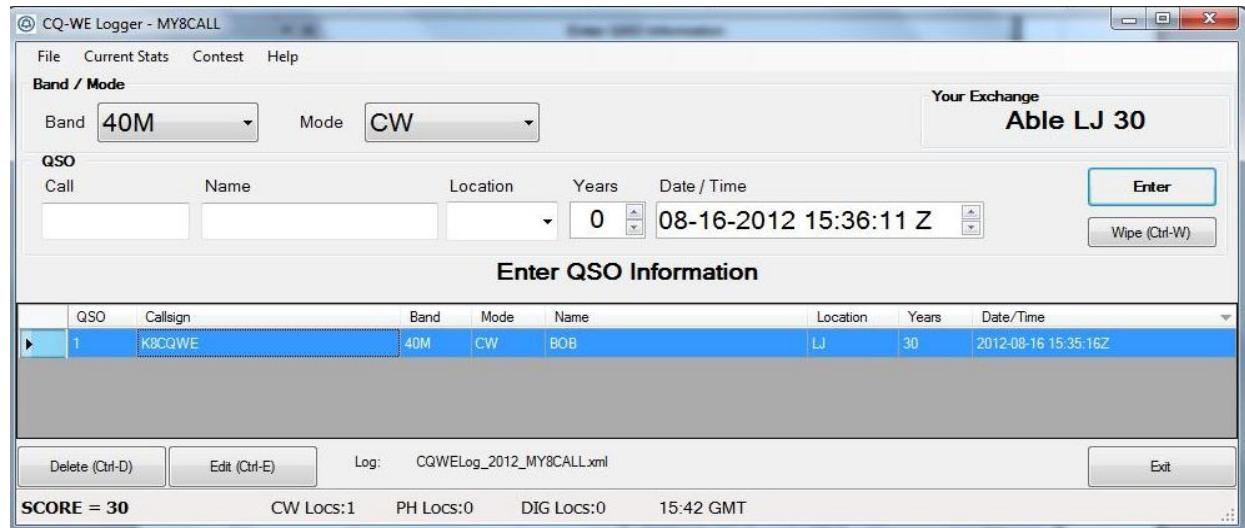
Exchange: On the QSO entry screen enter call sign, name, location and years, as received. Ensure the Band / Mode are correct. Here we had a QSO with K8CQWE, Bob, LJ, 30 years.

Use the mouse to select Call. Enter the call sign. Press keyboard Tab to Move to Name. Enter the name, then continue to use keyboard Tab to move between the open data entries.



Enter the QSO into the log.

Enter the QSO into the logger by pressing the keyboard 'Enter' or F4, or mouse click Enter on the display. The QSO information is added to the log file. The QSO windows are cleared and the date and time are automatically updated.



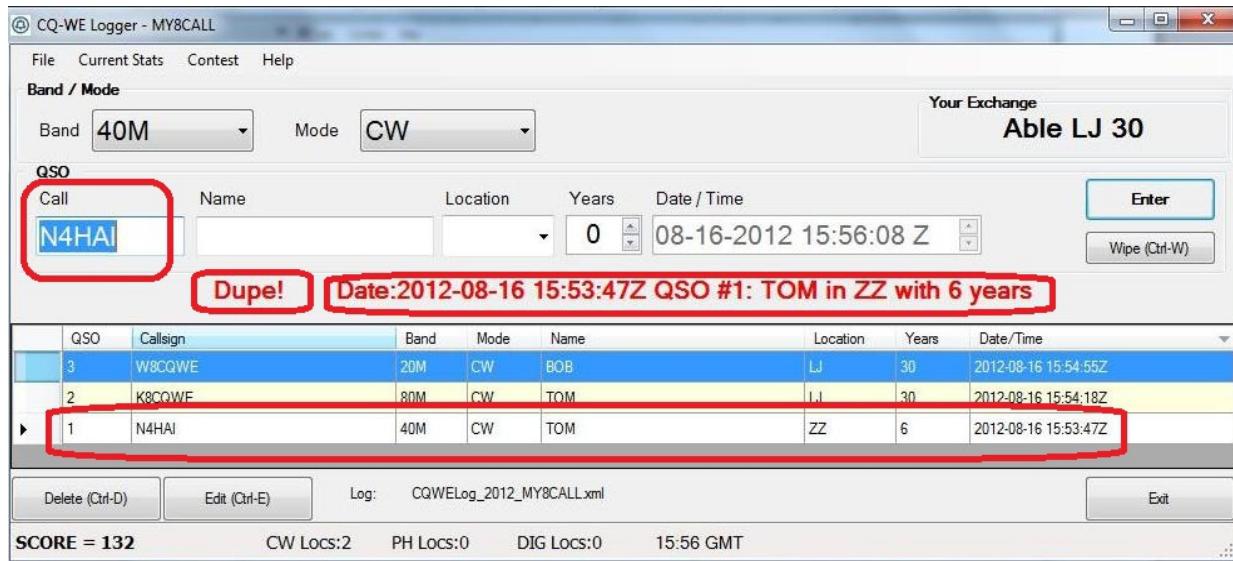
Note the SCORE has changed (0 to 30) and Locations (CW) has changed (0 to 1). The program constantly updates this information.

Entering additional QSOs during the contest is the same as above.

Dupe entry resolution.

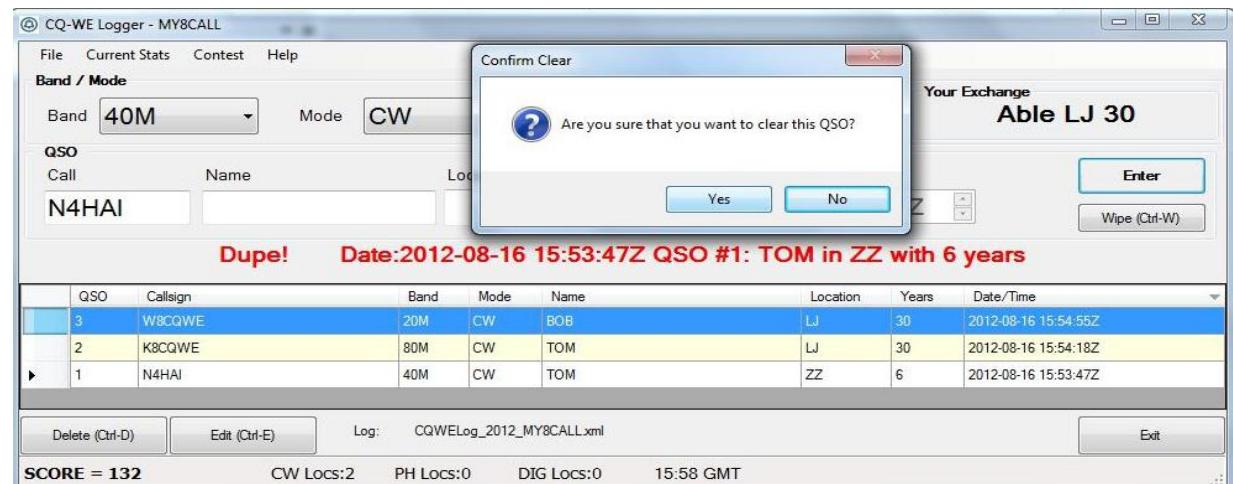
Dupe entry.

A Dupe entry is when a QSO is trying to be entered that has already been logged. For example the same call sign on the same Band and Mode. Or a contact on CW and another attempt on PSK. If a Dupe occurs, the window displays the following along with an audible alarm, moving the cursor back to the Call.



Clear the Dupe entry.

When a Dupe occurs, use Wipe button (under Enter).



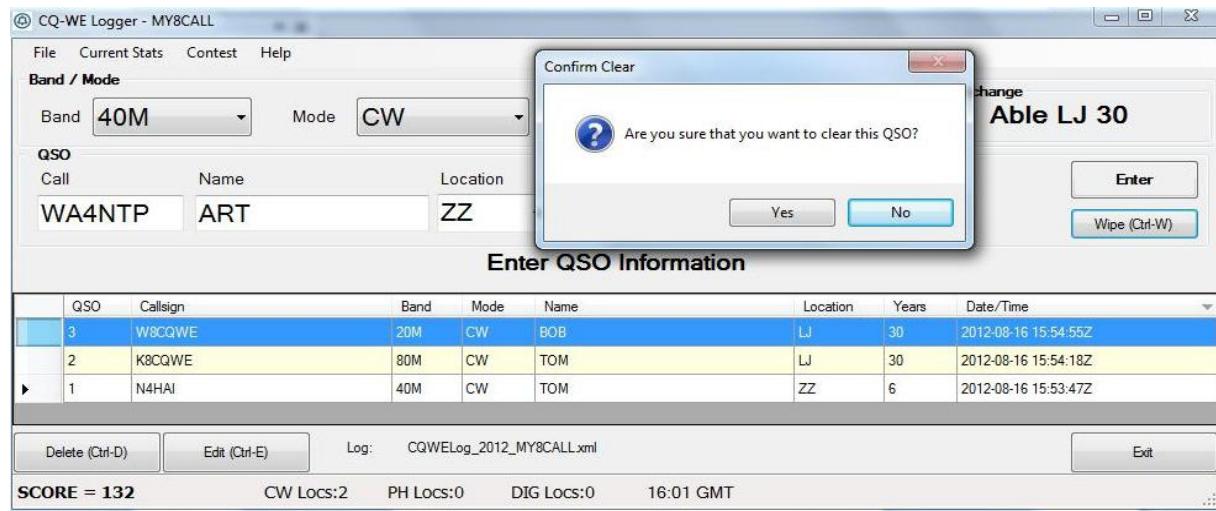
The program response is to verify the Wipe action. Press "Yes".

Note. Using keyboard Ctrl+W immediately clears the entry without the Yes or No.

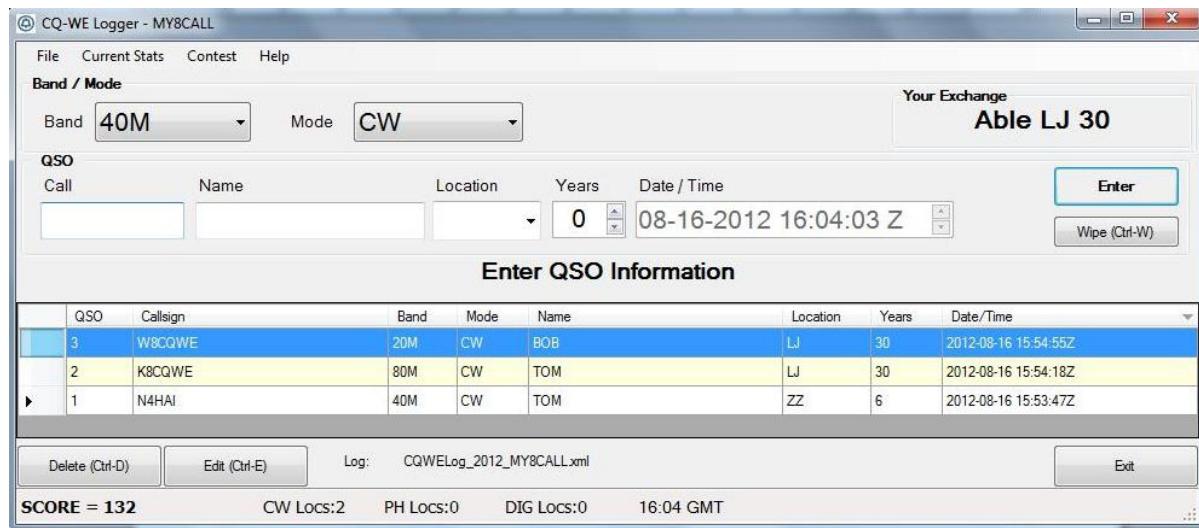
Using Wipe and Undo entries

Wipe and undo can be useful saving time re-entering a QSO. For example the competitor is about to enter WA4NTP, but doubts the call-sign, name or other information.

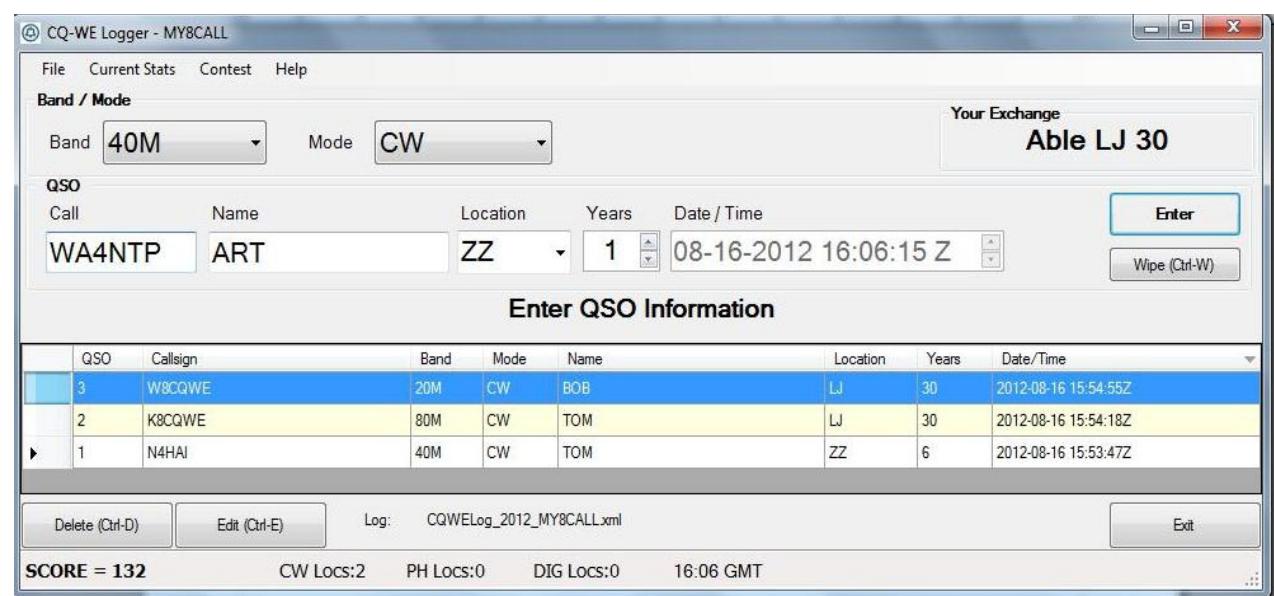
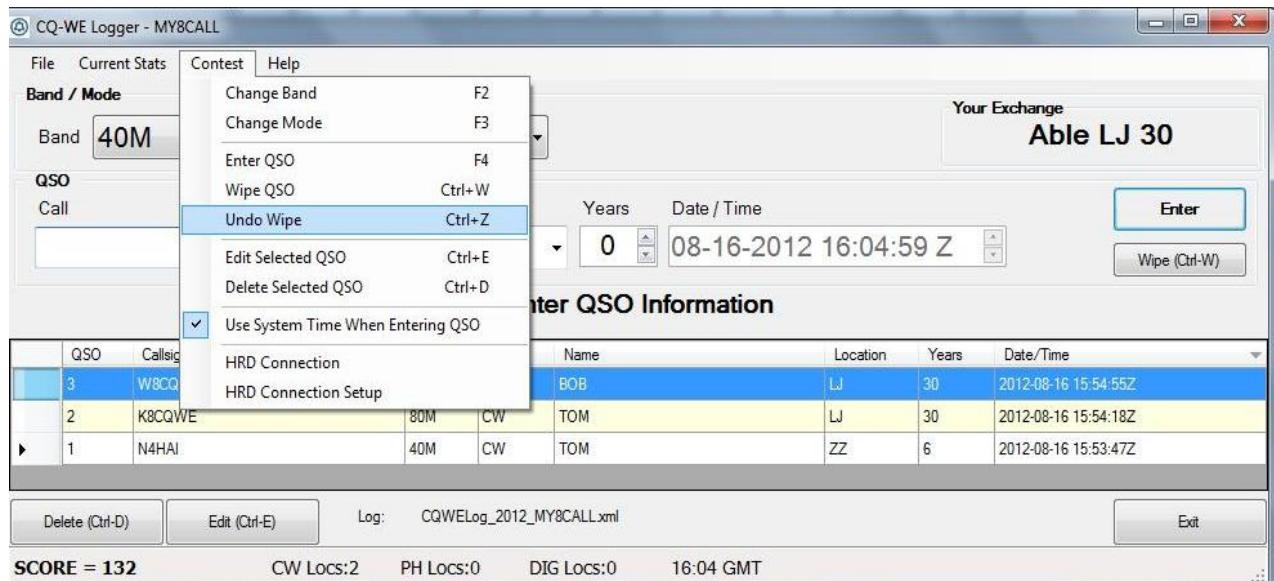
The Wipe is used and the "Are you sure.." is asked. Yes is selected.



Below, the entry fields are cleared and ready for the next QSO.



However, WA4NTP and the other information is correct and the wipe needs to be undone. By pressing CTRL-Z or clicking the Undo Wipe under Contest Menu, all entry information for WA4NTP is restored.



From this point the valid entry for WA4NTP can be entered.

Note: Undo function CTRL-Z or "Undo Wipe" in the Contest menu work if no values are changed.

Other QSO entries.

Enter QSO with Excessive Years of Service.

Below, 76 years of service was entered.



As the QSO was entered the program detects the error, the years of service cannot be greater than 75. The contestant must correct the entry or Clear the entry.



Enter a Second QSO When the Information is Different.

As the contest progresses, a contact to the same operator may occur on another band or mode. Below a second contact is made on the 160M band. After entering the call sign, the program populates the remaining fields using data found in the latest QSO entry.

However, the operator reports 8 years instead of 18. Since the fields can be overwritten, the contestant enters 8 years.

The QSO is entered in the log.

The screenshot shows the CQ-WE Logger software interface. The top menu bar includes File, Current Stats, Contest, and Help. The Band / Mode section shows 'Band' set to '160M' and 'Mode' set to 'AM'. A red message 'HRD Interface Off' is displayed. The 'Your Exchange' section shows 'Able LJ 30'. The main area displays QSO information for 'W2EQ' with 'Name' 'TOM', 'Location' 'LA', and 'Years' '8'. The date/time is '07-17-2012 18:31:43 Z'. Buttons for 'Enter' and 'Wipe (Ctrl-W)' are visible. Below this is a table titled 'Enter QSO Information' containing the following data:

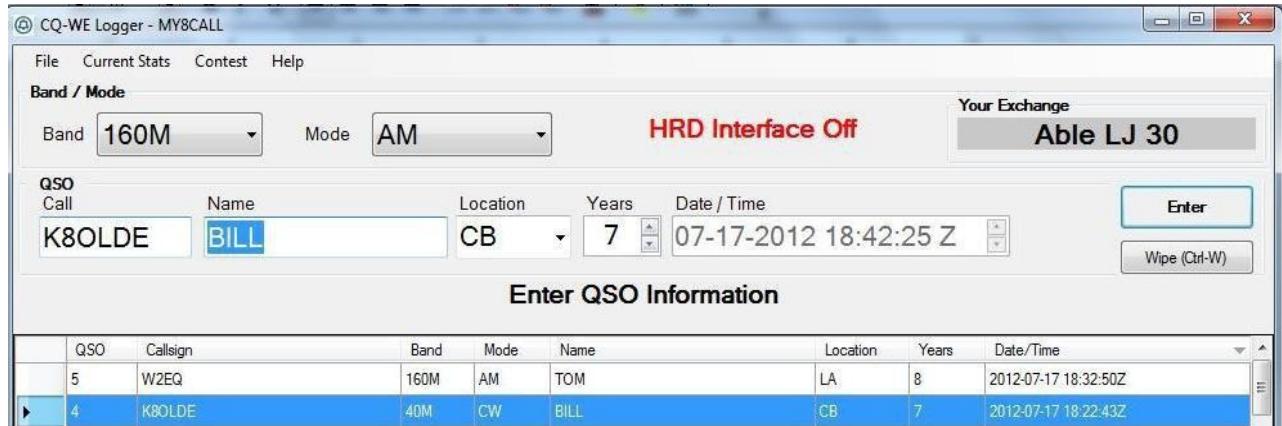
QSO	Callsign	Band	Mode	Name	Location	Years	Date/Time
4	K8OLDE	40M	CW	BILL	CB	7	2012-07-17 18:22:43Z
3	W2EQ	80M	SSB	TOM	LA	18	2012-07-17 18:02:50Z
2	N4HAI	80M	SSB	TOM	ZZ	6	2012-07-17 18:01:44Z

The screenshot shows the CQ-WE Logger software interface. The top menu bar includes File, Current Stats, Contest, and Help. The Band / Mode section shows 'Band' set to '160M' and 'Mode' set to 'AM'. A red message 'HRD Interface Off' is displayed. The 'Your Exchange' section shows 'Able LJ 30'. The main area displays QSO information for 'W2EQ' with 'Name' blank, 'Location' blank, and 'Years' '0'. The date/time is '07-17-2012 18:33:19 Z'. Buttons for 'Enter' and 'Wipe (Ctrl-W)' are visible. Below this is a table titled 'Enter QSO Information' containing the following data:

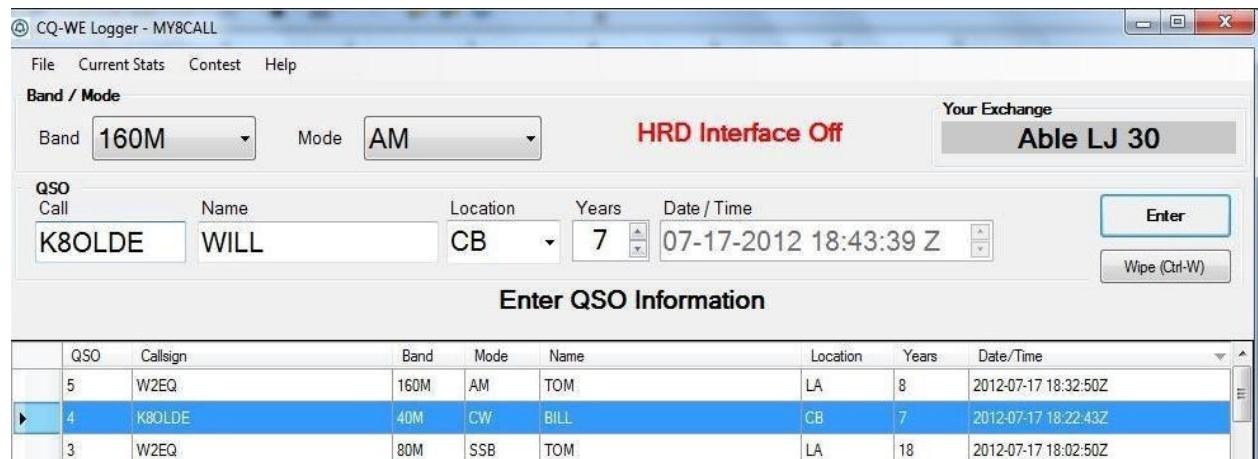
QSO	Callsign	Band	Mode	Name	Location	Years	Date/Time
5	W2EQ	160M	AM	TOM	LA	8	2012-07-17 18:32:50Z
4	K8OLDE	40M	CW	BILL	CB	7	2012-07-17 18:22:43Z
3	W2EQ	80M	SSB	TOM	LA	18	2012-07-17 18:02:50Z

Here the contestant should make a note to later correct any W2EQ QSOs to 8 years.

Next, a QSO with K8OLDE. After entering K8OLDE the remaining fields are automatically populated.



However, K8OLDE reports his name as Will. The name can be manually changed.



After entering the QSO the name change is stored and further contacts with K8OLDE will auto populate the name as Will.

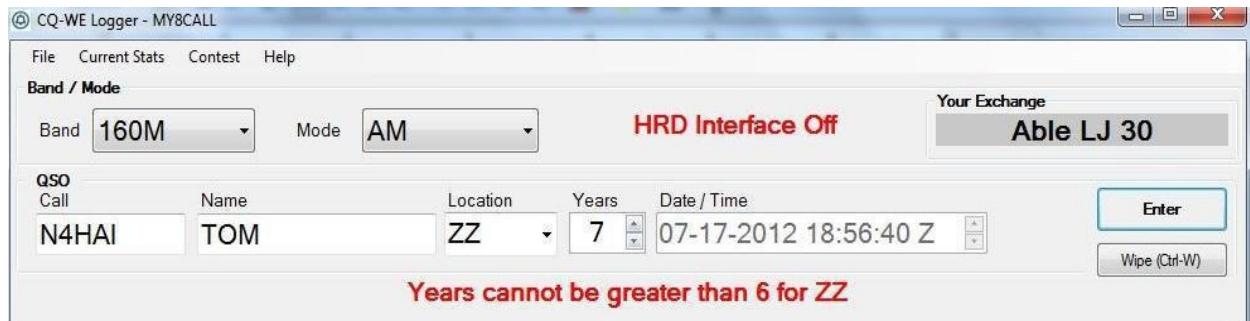
Enter QSO Information								
QSO	Callsign	Band	Mode	Name	Location	Years	Date/Time	
6	K8OLDE	160M	AM	WILL	CB	7	2012-07-17 18:44:23Z	
5	W2EQ	160M	AM	TOM	LA	8	2012-07-17 18:32:50Z	
4	K8OLDE	40M	CW	BILL	CB	7	2012-07-17 18:22:43Z	
3	W2EQ	80M	SSB	TOM	LA	18	2012-07-17 18:02:50Z	

As mentioned before, K8OLDE will need to be verified as Name equal Will in all entries.

Location 'ZZ' Entry.

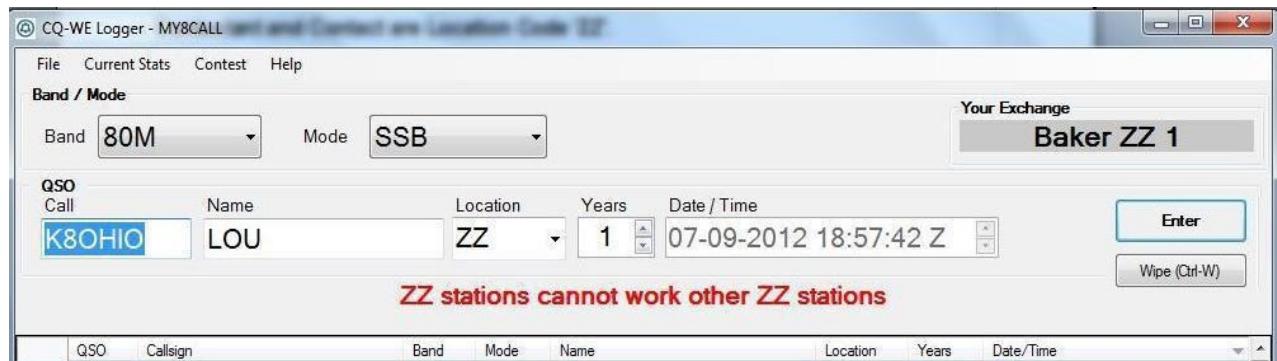
Location ZZ and Valid Years.

The program will accept a ZZ location 6 years or less during the 2012 contest. The contestant would need to re-confirm and correct this QSO information if a greater than 6 years is reported. If the contact insists 7 years or greater, then the contestant should Wipe the entry to proceed to the next entry, since this is an invalid QSO entry.



Contestant and Contact are Location Code 'ZZ'.

QSOs between 'ZZ' operators are not acceptable in the contest.



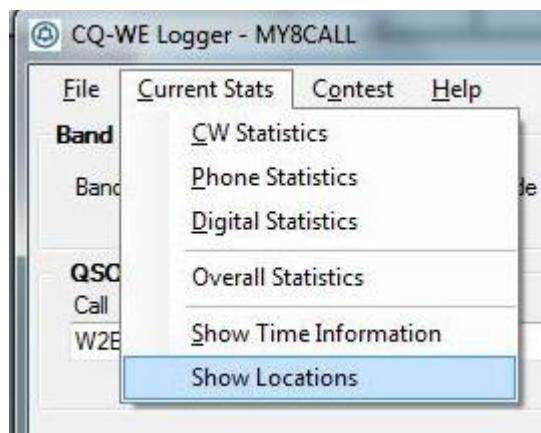
Note BAKER is a 'ZZ location' and K8OHIO is also 'ZZ'. Baker must Wipe the QSO entry to proceed.

Wrong Location Code Entry and Finding Correct Code.

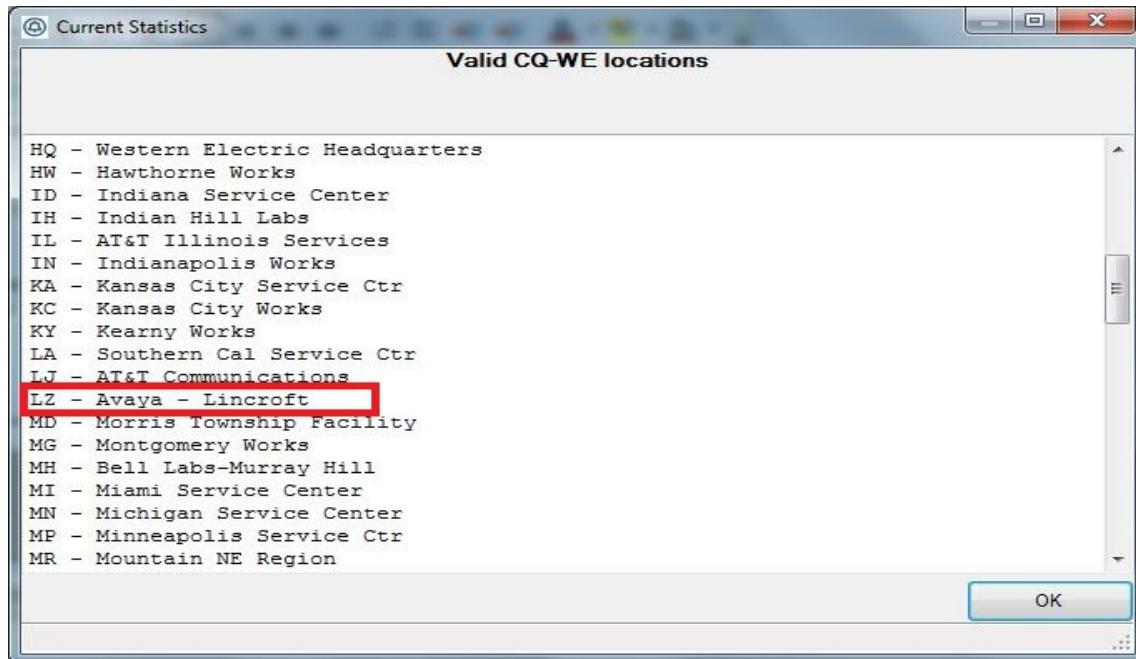
The contest rules include the operator reporting their name, Location Code and years of service. In this contact, a QSO is made with W2EQ who reports Location Lincroft. So the entry is presumed as "LC". But as the QSO is being entered an error message and audible alert is given. "LC" is not a valid Location Code.



To find the valid Location Codes, use the pull-down Menu 'Current Stats' and select 'Show Locations'.



A list of valid Location Codes is shown.



From the table, the valid Code for Lincroft is 'LZ'. The correct code may be typed in the Location window.



Or the window opened with pull-down and highlight 'LZ' to enter the Location.

Change QSO Entry Before Entering the QSO using Tab.

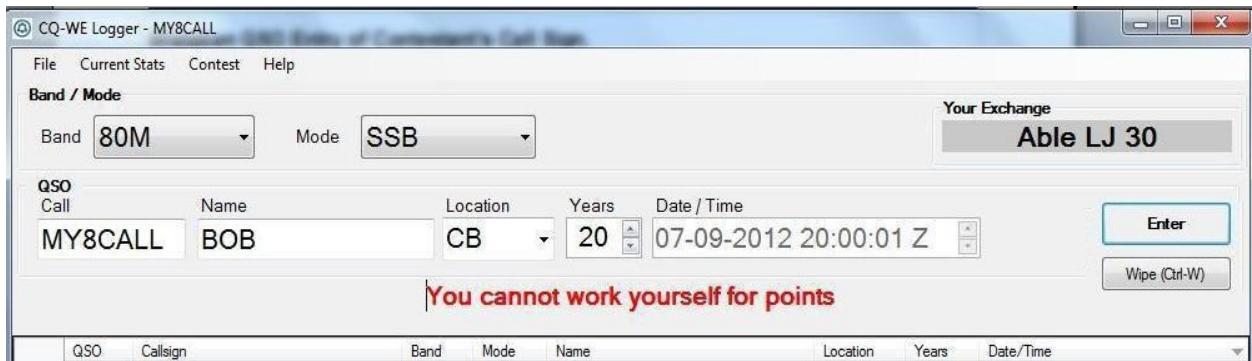
The name was typed as Bib instead of Bob.



Here the cursor is on HQ in Location when the contestor saw the name misspelled. The user can go back to 'Name' to change the entry to Bob. Once editing is complete, Enter the QSO.

Mistaken QSO Entry of Contestant's Call Sign.

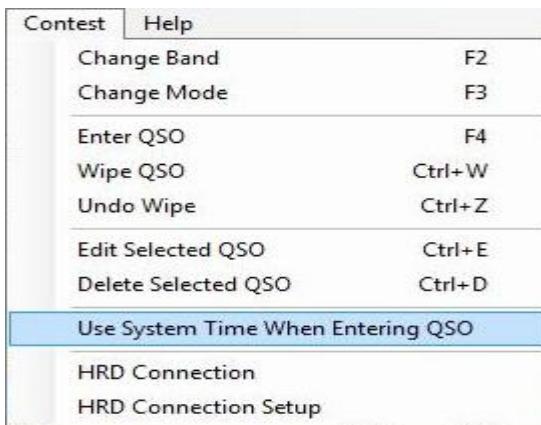
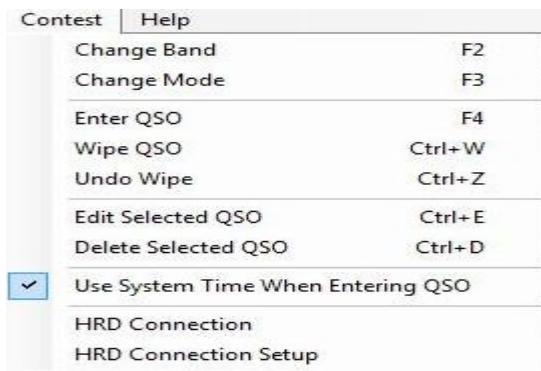
During the contest, one may have a QSO with a similar call sign and mistakenly enter their own call sign. Below MY8CALL had a QSO with MI8CALL and entered the wrong call sign. MY8CALL would correct the entry to MI8CALL and continue.



Entering QSOs after the contest.

Adding entries such as copying from a paper log is similar to the normal operation.

To begin manual log entry, the 'Use System Time...' must be disabled.



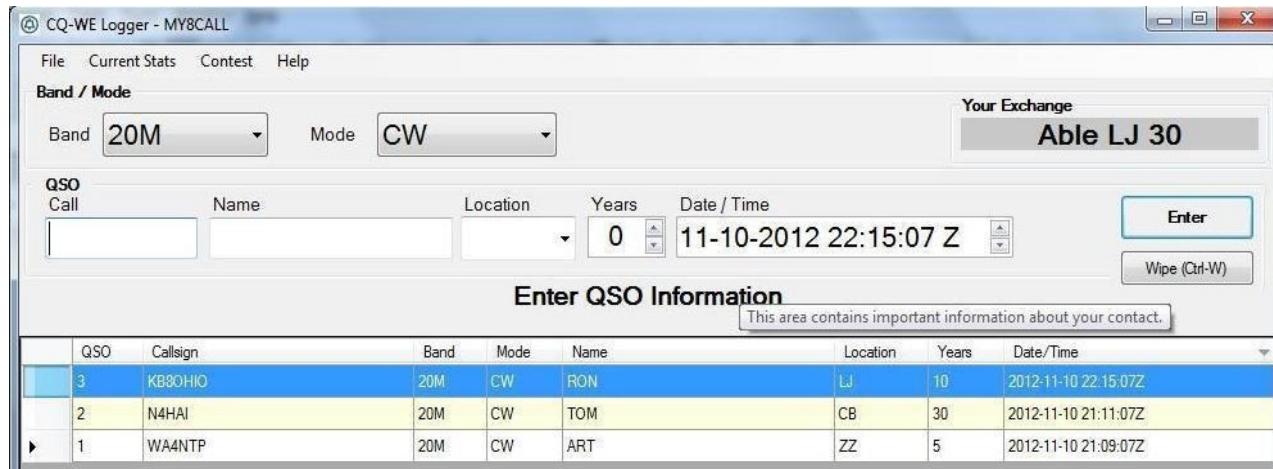
Beginning the manual entry, the date is showing the date and time when the 'Use System Time' was disabled. Here on November 30.



Manually, the date and time are changed to November 10 (the date and time of the QSO) .



Next we enter QSOs as described above, making sure the Band and Mode along with the date and time are entered as previously collected.

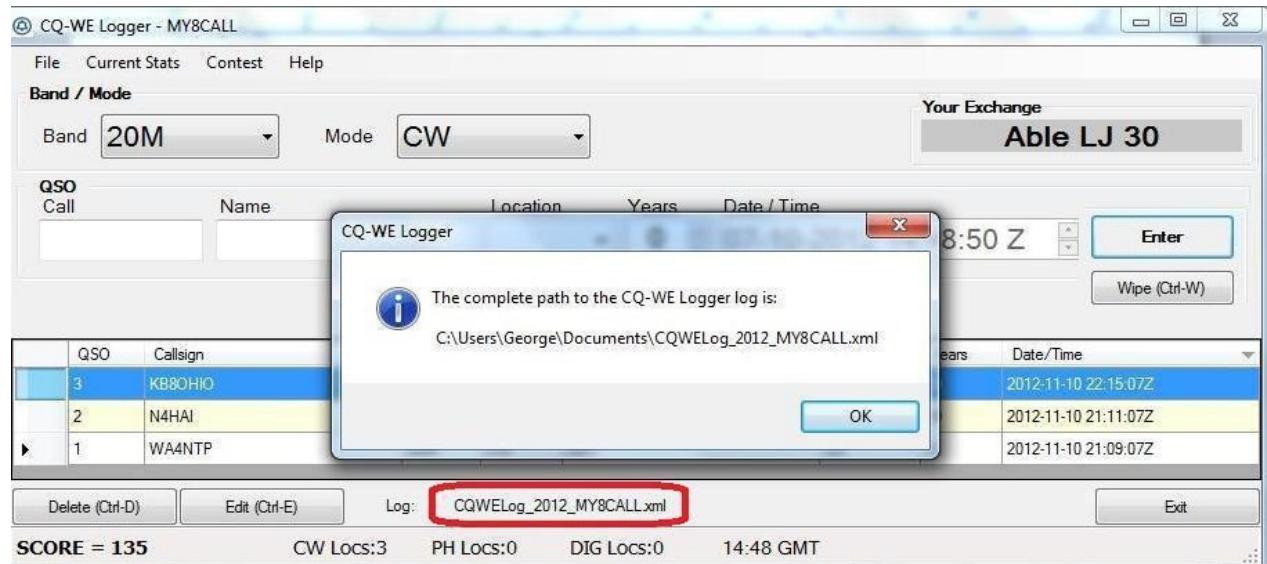


Note: The time was changed in this example. Date and time must be manually changed, since the program will not automatically change the date and time.

Finding Current Log Location and File Name.

The program shows the current log file name in the lower part of the window.

Double click log path the file name to display the entire log path and file name. Your path may vary based on your operating system and other factors.

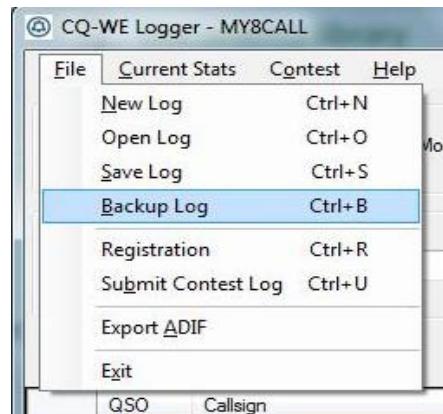


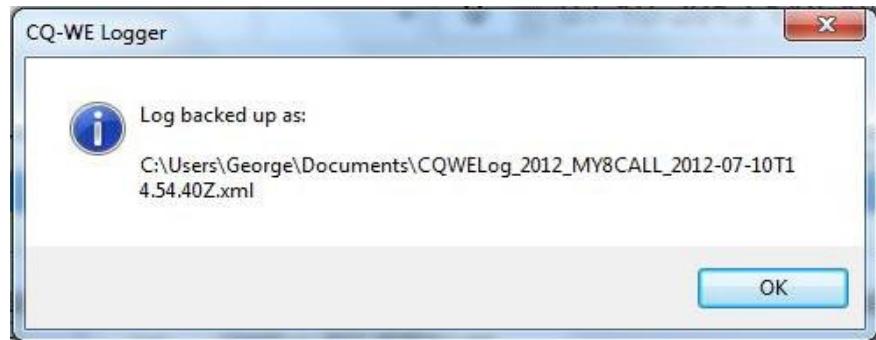
The present location and file name of the logger are displayed in a separate window. Press OK to close the window. The displayed path and file name are already saved.

Backup Logger Data.

Backup current log.

The log file can be backed up as often as the user wants simply by pressing keyboard Ctrl+B or selecting Backup Log from the File Menu.

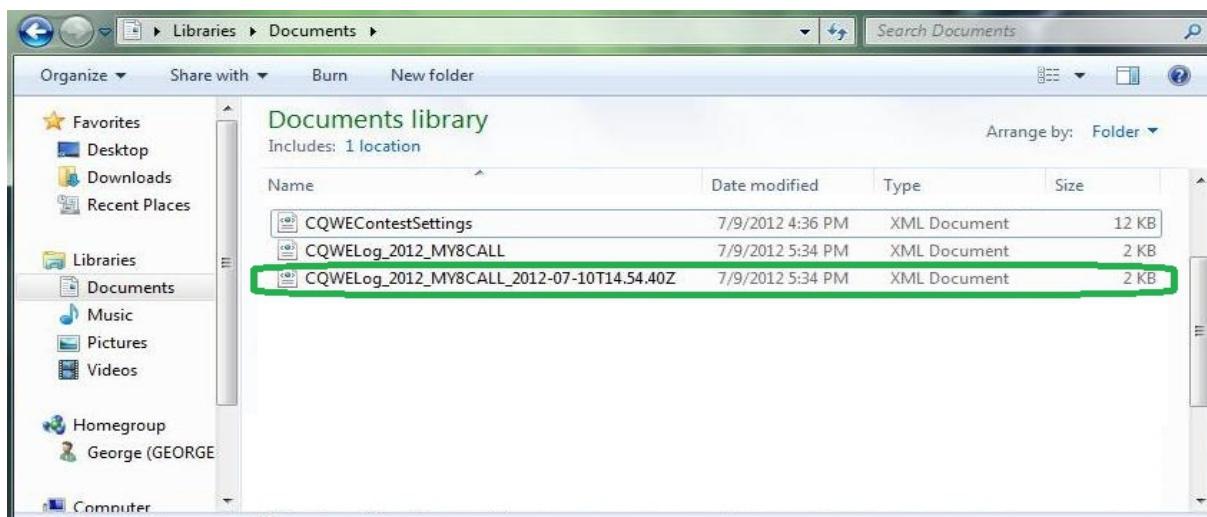




The program confirms the folder and file name of the back up.

Press 'OK' to save the file.

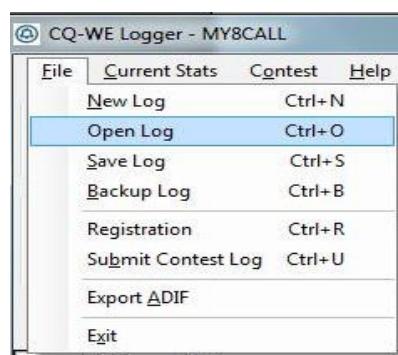
The back up just made can be verified in the Documents folder.



View QSOs in Backup.

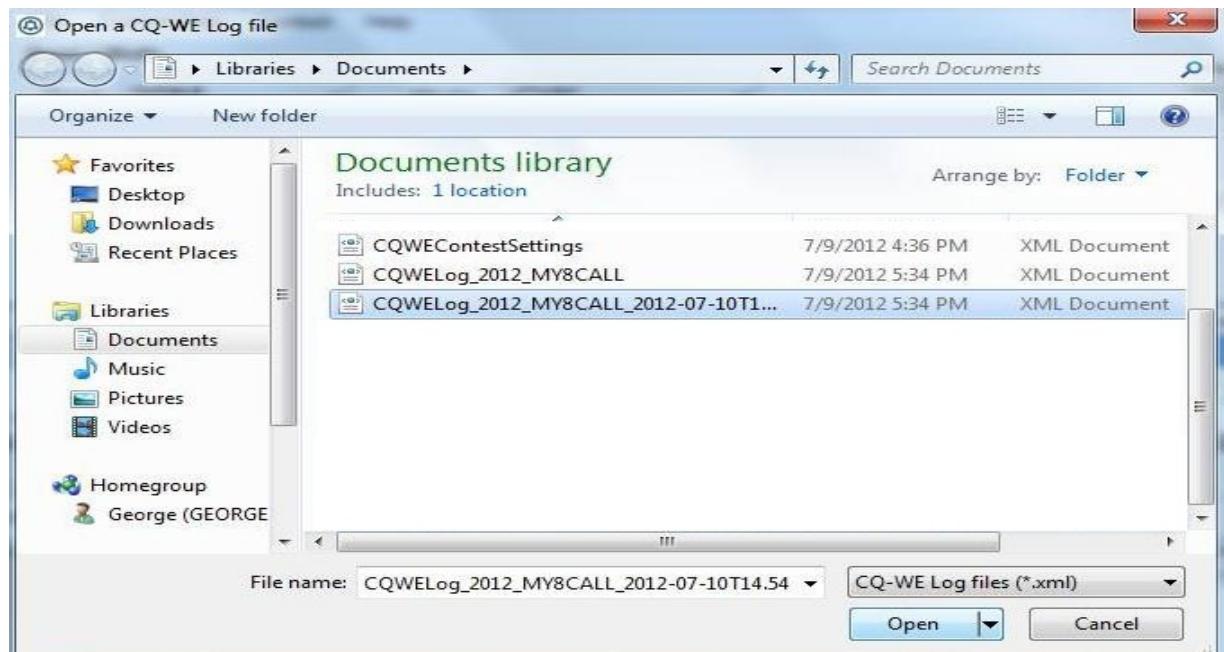
From the File menu select Open Log or keyboard Ctrl+O.

!!WARNING!! This file now becomes the 'working file' where new entries will be stored. Do not make any contest entries until going back to the working file described below.

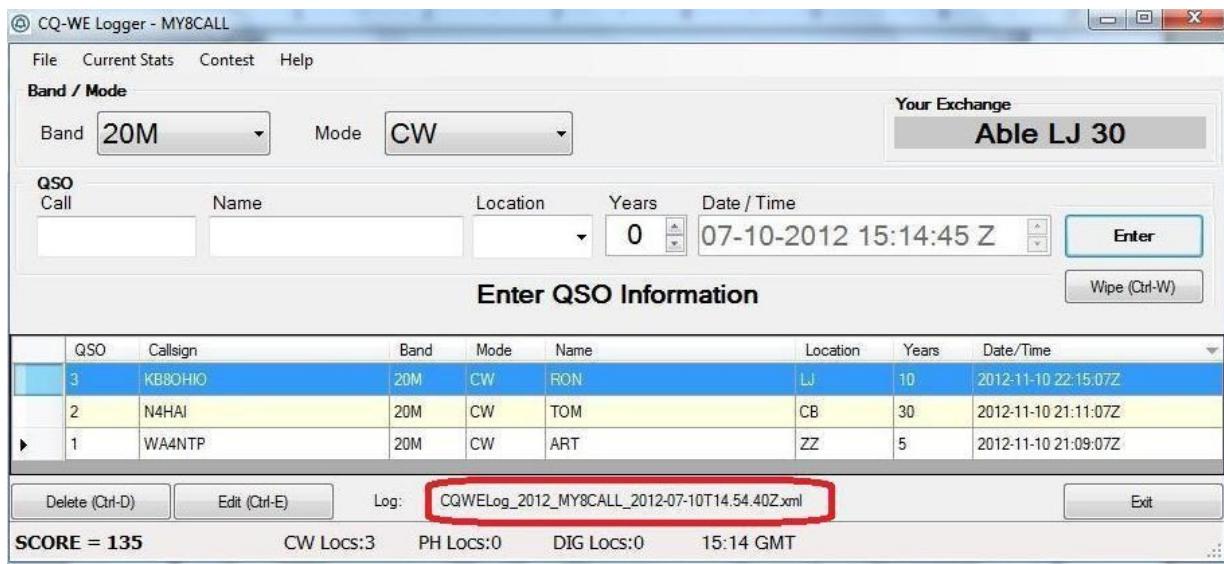


Select the back up file name.

Press Open in the bottom right to open this log.



Entries are shown in the back up file.

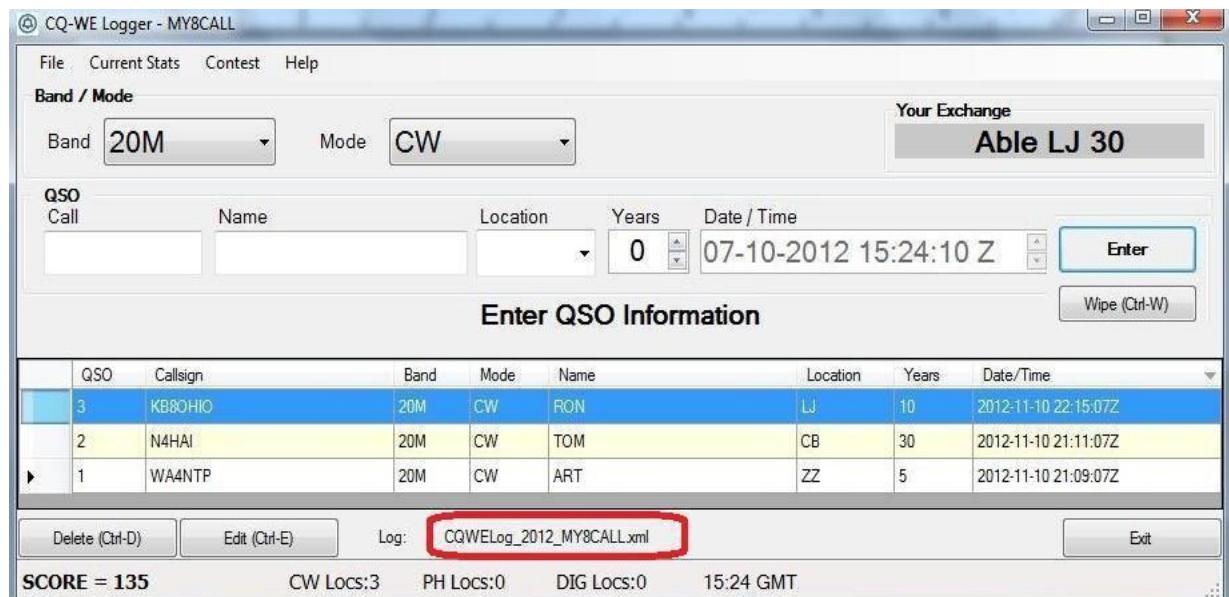


Note the backup file name is displayed in the window.

Go back to the working log file.

Repeat the above step opening the current log - CQWELog_2012_MY8CALL (the log without date and time as part of the file name).

The working log file (CQWELog_2012_MY8CALL) is opened, and should be displayed in the lower part of the window as shown.

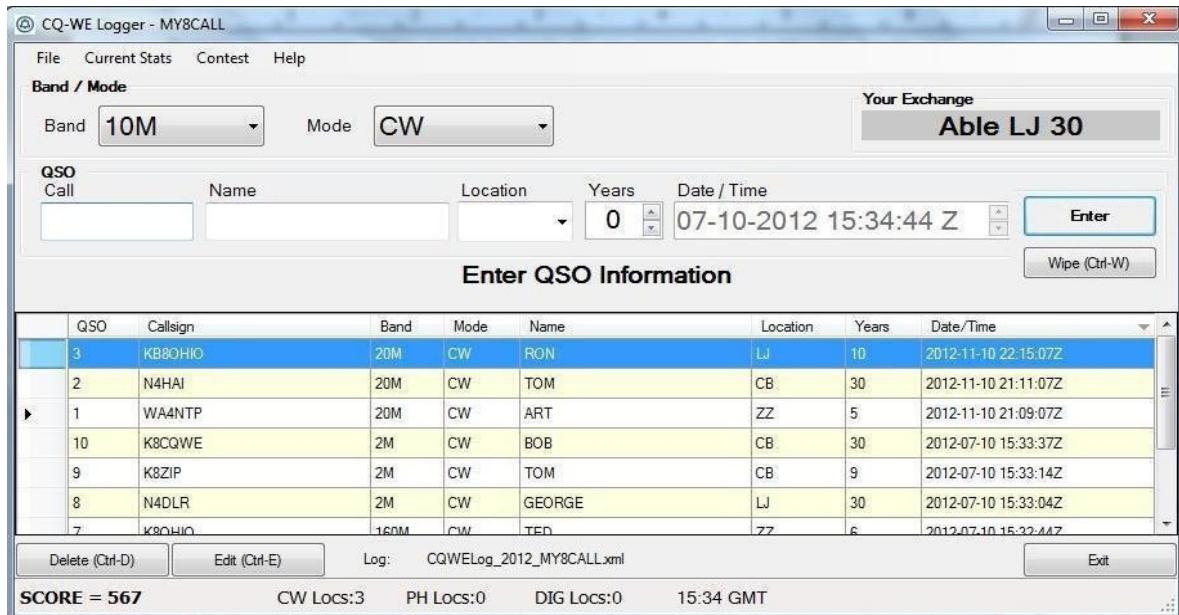


The 'opened' QSO log file is/becomes the in-use log file. This file is updated at every QSO entry or can be saved anytime by using keyboard Ctrl+S. (The log file is also saved at Exit).

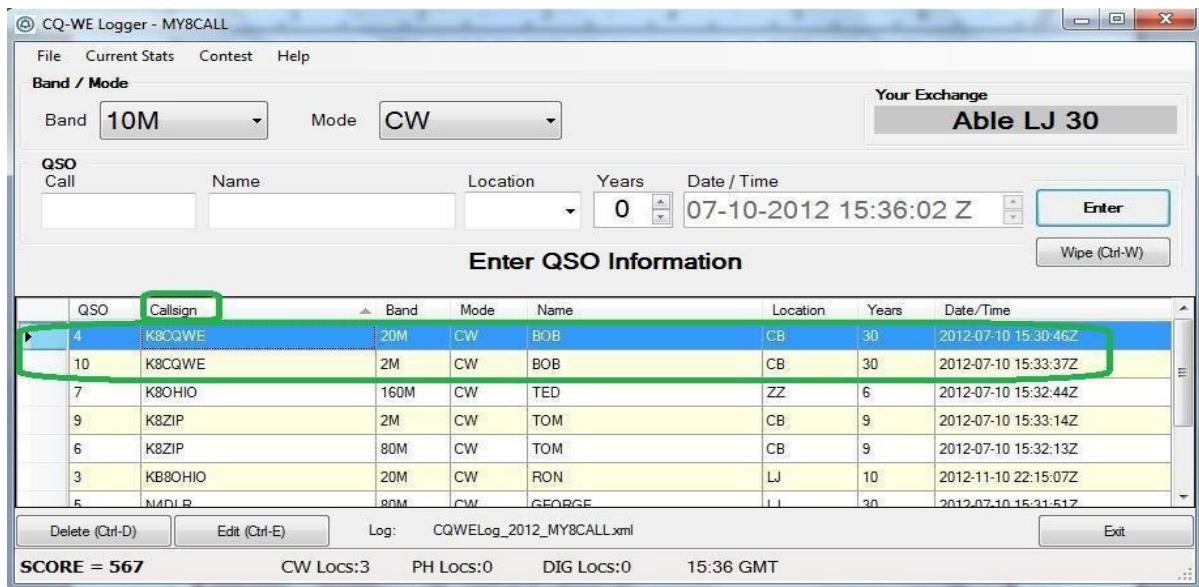
Finding QSO by Call Sign.

During the contest, QSOs could be made to an operator on different bands and times. If the contestant wanted to see if K8CQWE(example) was contacted, a sort is necessary since the program does not provide a 'search for' function.

Sort the entries to group the call signs by a mouse click on top of the column Call sign Clicking on the columns sorts the log grid in alphabetical order. Clicking on any of the columns again will sort the log in reverse alphabetical order based on that column.



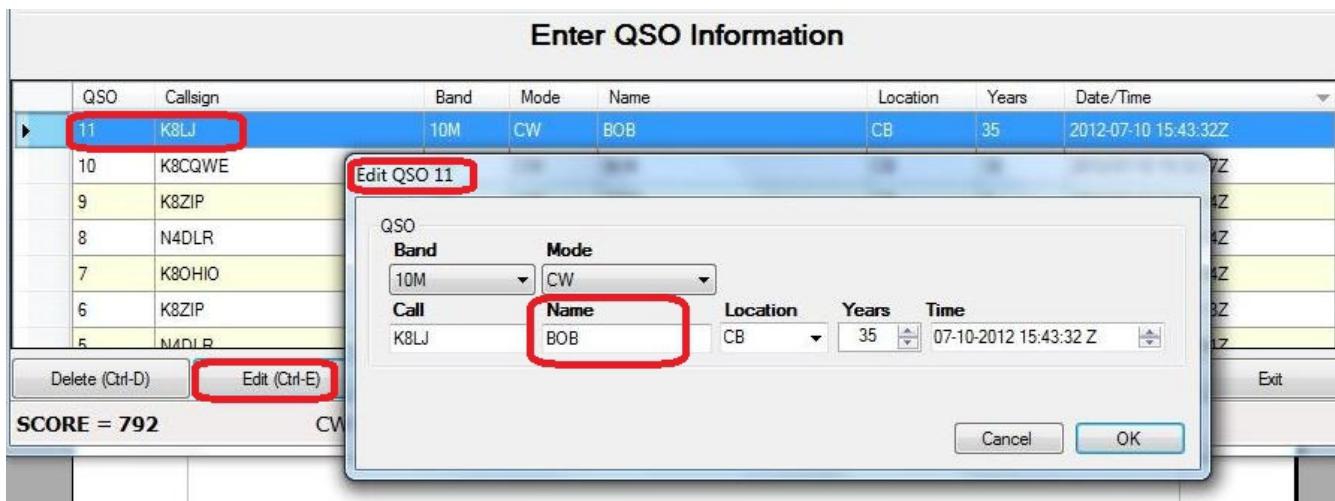
After sorting the Call sign column K8CQWE is displayed as a group. (The user may have to scroll up or down the display to find the specific call sign).



Edit Logged QSOs.

Select one QSO to edit.

Within the log, a QSO can be selected by clicking the mouse on the particular QSO, or select any QSO and move the highlight with the up-down-left-right keyboard arrows. (Tab is not practical.)

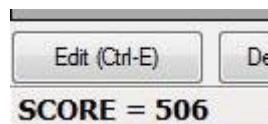


In this example, we heard K8LJ was named Rob, not Bob.

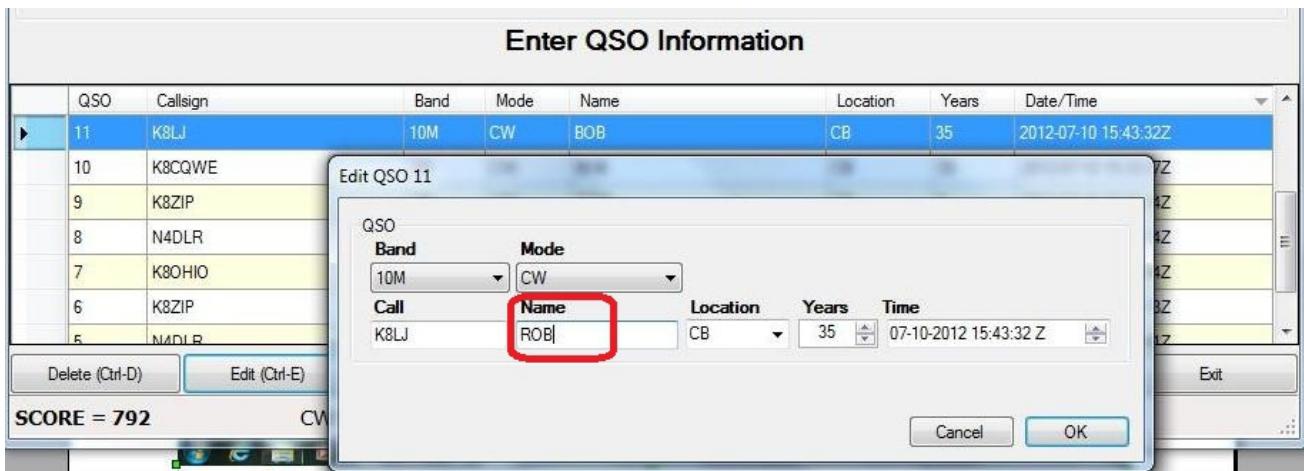
Edit one entry.

Once the QSO is highlighted, edit the QSO.

Edit. After selecting a QSO log entry for edit, the edit function is started by double mouse click on the entry, mouse clicking 'Edit' or use the keyboard Control key (Ctrl) with the letter 'E'.



Change Bob to Rob in the edit window.



But, while we were doing the edit we hear K8LJ and for sure we hear Bob. Simply press the Cancel button to revert back to the unchanged entry.

But otherwise we can change the name to Rob, then press OK. The QSO entry 11 is corrected.

Enter QSO Information								
QSO	Callsign	Band	Mode	Name	Location	Years	Date/Time	
11	K8LJ	10M	CW	BOB	CB	35	2012-07-10 15:43:32Z	
10	K8CQWE	2M	CW	BOB	CB	30	2012-07-10 15:33:37Z	
9	K8ZIP	2M	CW	TOM	CB	9	2012-07-10 15:33:14Z	
8	N4DLR	2M	CW	GEORGE	LJ	30	2012-07-10 15:33:04Z	
7	K8OHIO	160M	CW	TED	ZZ	6	2012-07-10 15:32:44Z	
6	K8ZIP	80M	CW	TOM	CB	9	2012-07-10 15:32:13Z	
5	N4DLR	80M	CW	GEORGE	LJ	30	2012-07-10 15:31:51Z	

After editing a single QSO the screen will resort by QSO number and the QSO just done may not appear in the list (without scrolling). To verify the change was made the contestant can sort the Call sign column and scroll to the call sign.

Edit multiple QSOs for the same call sign.

An edit to a single call sign with multiple entries is similar to an edit of one call sign entry.

In this example N4DLR was entered as Georg, rather than George.

First sort the entries to group the call signs by mouse click on top of the column 'Call sign'. (To find a specific call sign the user may have to scroll up or down). Below N4DLR is grouped.

	QSO	Callsign	Band	Mode	Name
	7	K8WECQ	20M	CW	ALICE
	20	KW4II	160M	CW	BARRY
►	17	N4DLR	160M	CW	GEORG
	21	N4DLR	40M	CW	GEORG
	10	N4DLR	2M	DSTAR	GEORG
	11	N4OTR	10M	CW	LOIS
	12	WA4NTP	80M	SSB	ART
	16	WA4NTP	160M	CW	ART

Next select one of the N4DLR entries and correct the name to George.

	QSO	Callsign	Band	Mode	Name
	13	K8LJ	6M	SSB	ROB
	14	K8CQWE	6M	SSB	BOB
	15	K8TREX	160M	CW	BILL
	16	WA4NTP	160M	CW	ART
►	17	N4DLR	160M	CW	GEORGE
	18	K8CQWE	160M	CW	BOB
	19	AA4II	160M	CW	BUD

Repeat the above until all the N4DLR QSOs are corrected.

In the end, multiple single call sign entries are corrected. To verify the change was made the contestant can sort the Call sign column and scroll to the call sign.

Delete a QSO.

If for any reason a QSO needs to be deleted, Select the QSO and Delete. Here QSO 1 WA4NTP is to be deleted.

Enter QSO Information

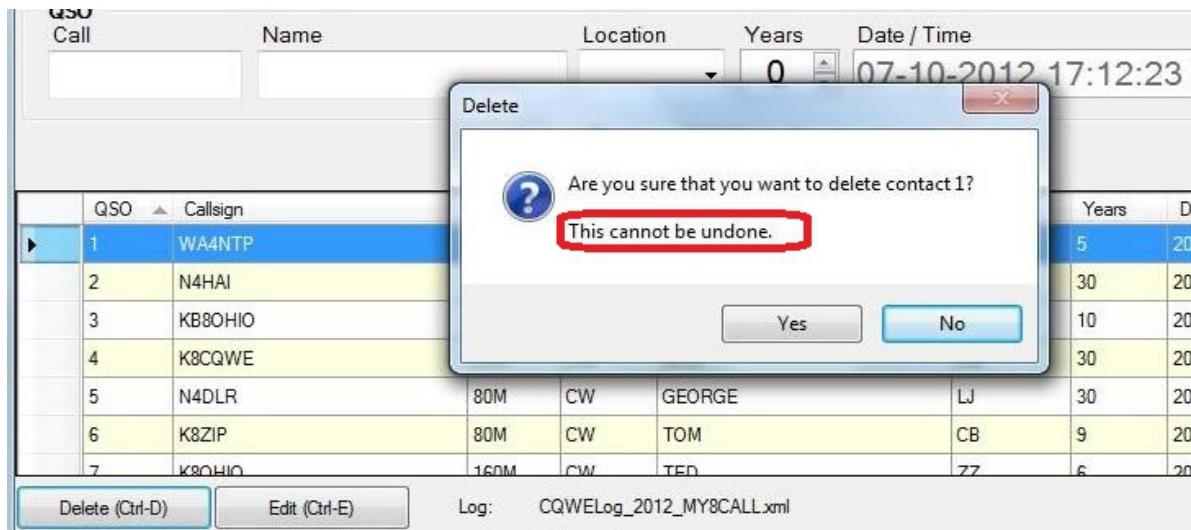
	QSO	Callsign	Band	Mode	Name	Location	Years	Date/Time
►	1	WA4NTP	20M	CW	ART	ZZ	5	2012-11-10 21:09:07Z
	2	N4HAI	20M	CW	TOM	CB	30	2012-11-10 21:11:07Z
	3	KB8OHIO	20M	CW	RON	LJ	10	2012-11-10 22:15:07Z
	4	K8CQWE	20M	CW	BOB	CB	30	2012-07-10 15:30:46Z
	5	N4DLR	80M	CW	GEORGE	LJ	30	2012-07-10 15:31:51Z
	6	K8ZIP	80M	CW	TOM	CB	9	2012-07-10 15:32:13Z
	7	K8OHIO	160M	CW	TED	ZZ	6	2012-07-10 15:32:44Z

Log: CQWELog_2012_MY8CALL.xml

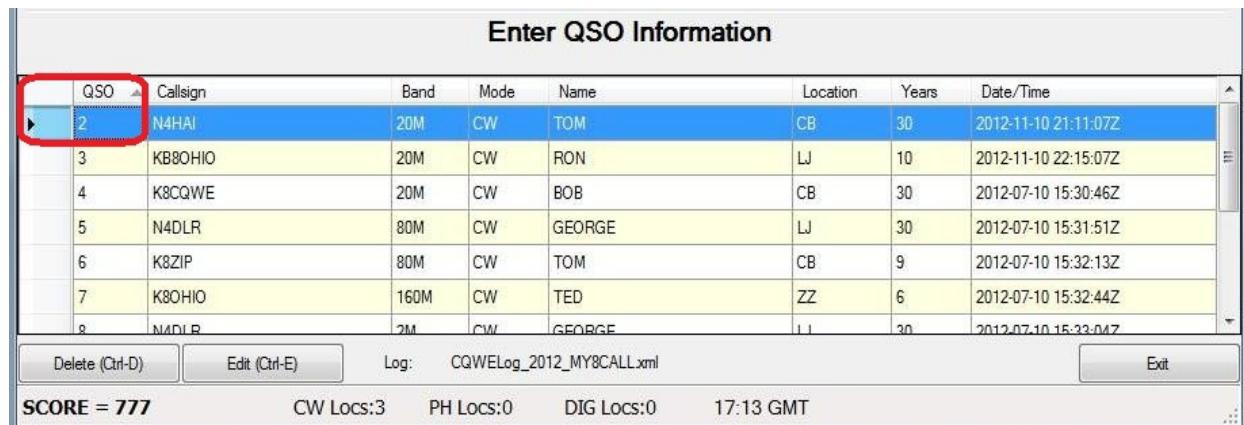
SCORE = 792 CW Locs:3 PH Locs:0 DIG Locs:0 17:11 GMT

Delete. The delete function is started by mouse clicking 'Delete' or using the keyboard Ctrl-D.

The program will verify the action.



Pressing 'Yes' deletes the selected QSO, this cannot be undone.



Note that QSO 1 WA4NTP has been deleted.

Other Menus: File, Current Stats, Contest, Help.

File Menu

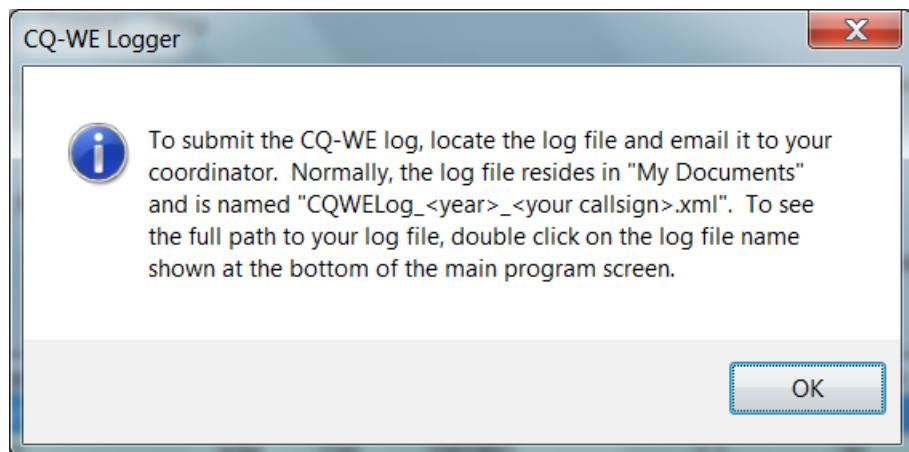
Most of this menu has functions that have been discussed above.

File Menu New.

If the contestant creates a new log file, the log is cleared and saved as the new name that contestant provides; if the contestant cancels the new log function, nothing happens.

File Menu Submit Contest Log.

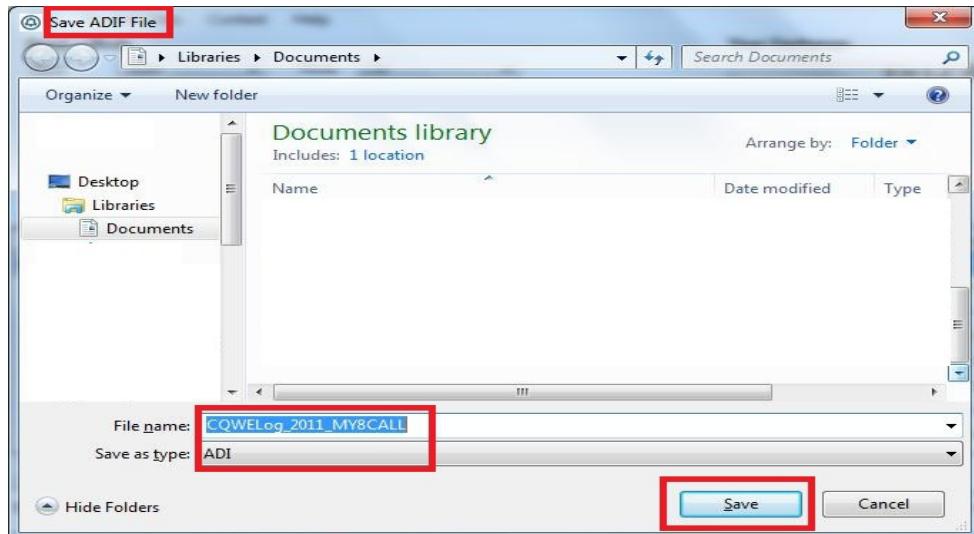
When the contestant is ready to send their log to their Location Coordinator, press 'Submit Contest Log' (or Ctrl+U). The display details how to submit the correct log to their Location Coordinator.



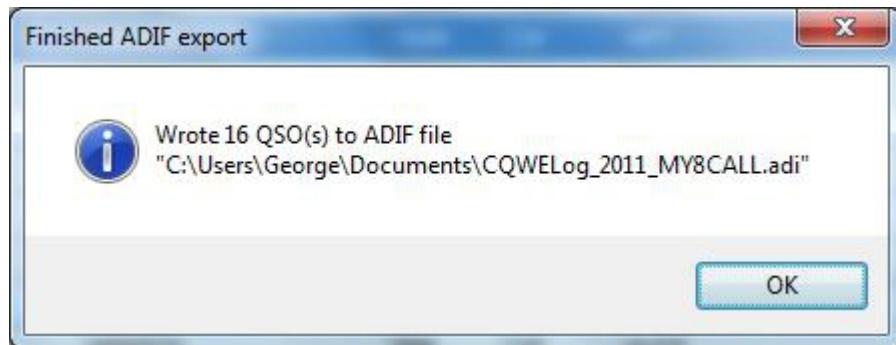
File Menu Exporting ADIF.

The contestant may want to convert the log file into ADIF format to import into other log programs such as LoTW via TQSL.

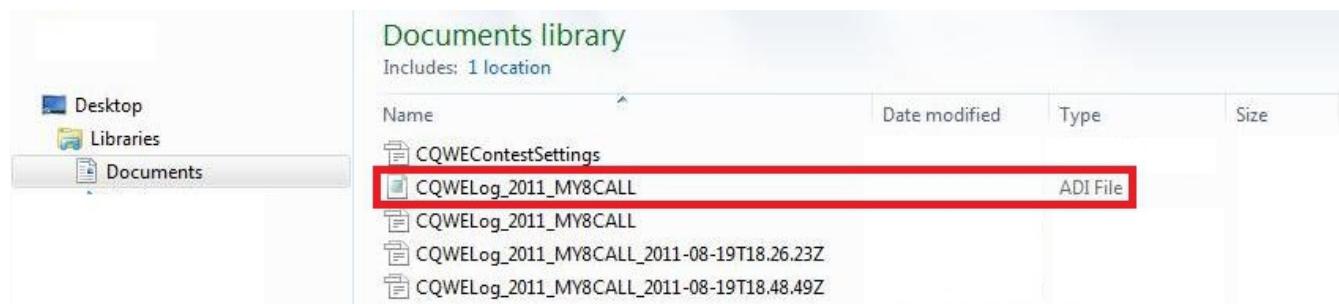
After clicking 'Export to ADIF' the following windows are displayed.



After clicking Save, the following window is displayed indicating the number of log entries.



The adi file is saved in \Documents\ as shown below.



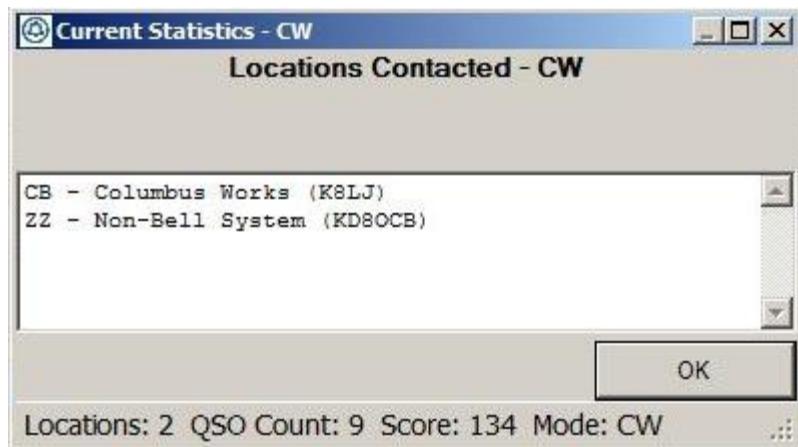
Current Stats.

The Current Stats pull down menu is below.



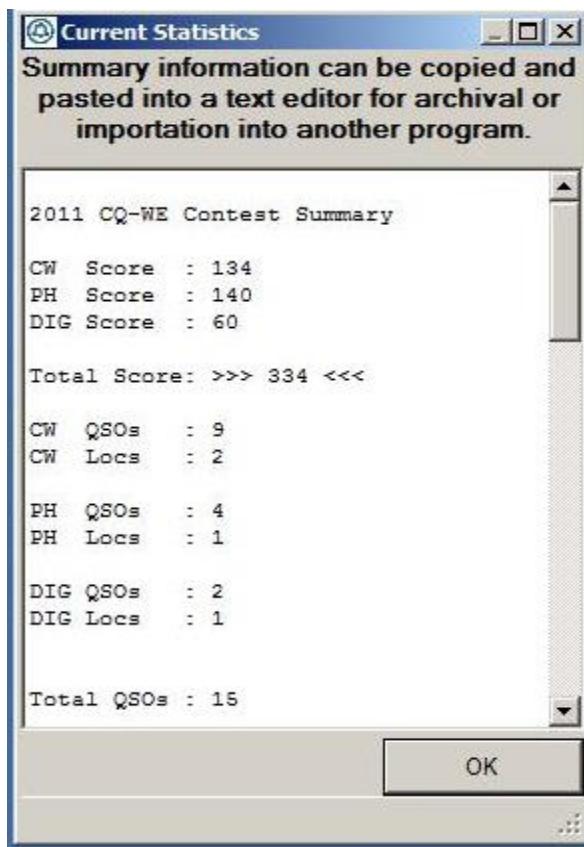
CW, Phone and Digital Statistics.

The CW, Phone, and Digital Statistics windows display the locations and a call sign from each of the contest locations in the log. The information at the bottom of the window applies only to the selected mode. Note that contest scoring counts FM, SSB, and AM as Phone modes. See contest rules for more information.



Overall Statistics.

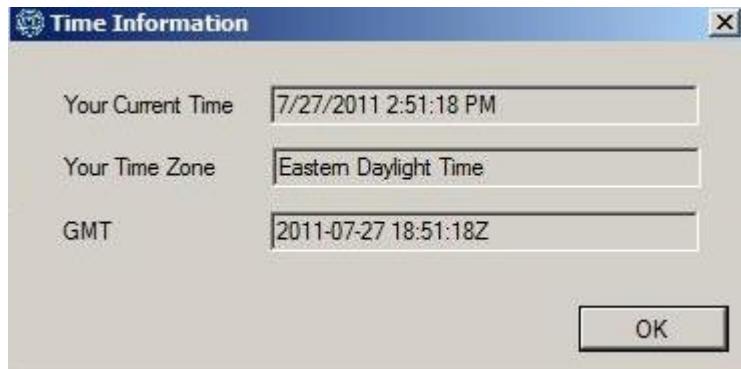
The basic summary of contacts and scoring is presented.



The text in the window can be selected, copied and pasted in another application as described in printing out the logger data below.

Show Time Information.

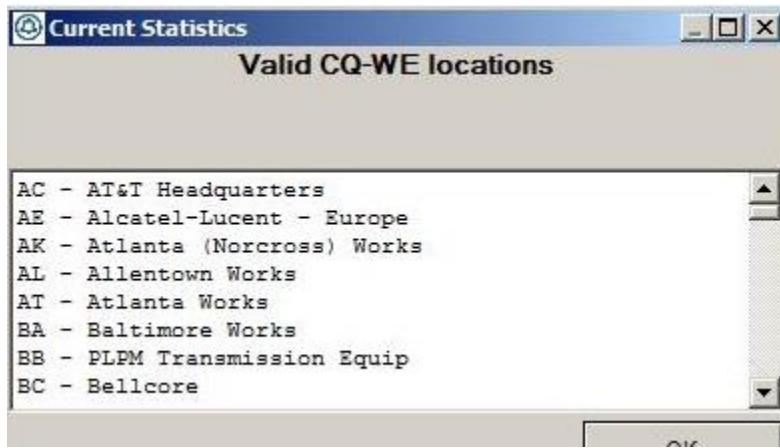
This displays the current local and GMT date and time and is displayed to confirm the GTM offset in your computer.



Refer to your Windows documentation to correct your local time and date or GMT if necessary.

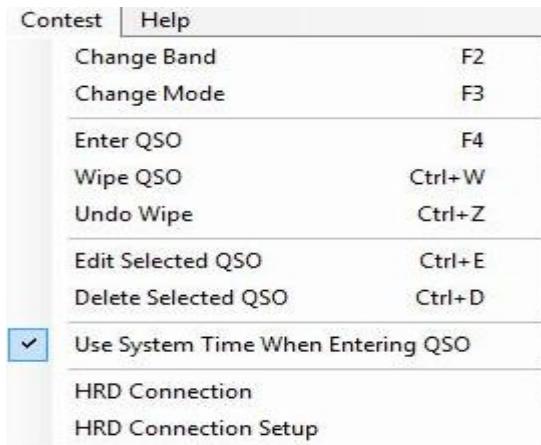
Show Locations Codes.

Displays valid locations for this contest. The program will not accept any other entries.

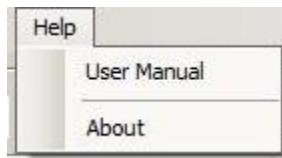


Contest pull down menu.

The Contest pull down menu includes Change Band to Delete Selected QSO, all of which can be accessed from the program window and discussed earlier.



Help Menu.



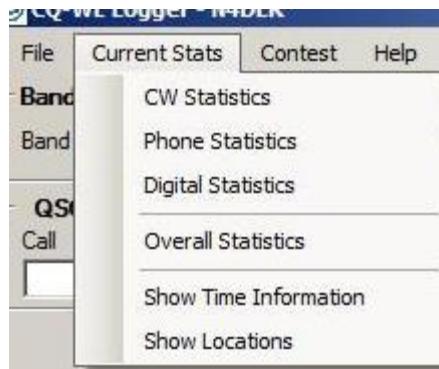
The 'User Manual' is a PDF file.

'About' is the typical basic program information.

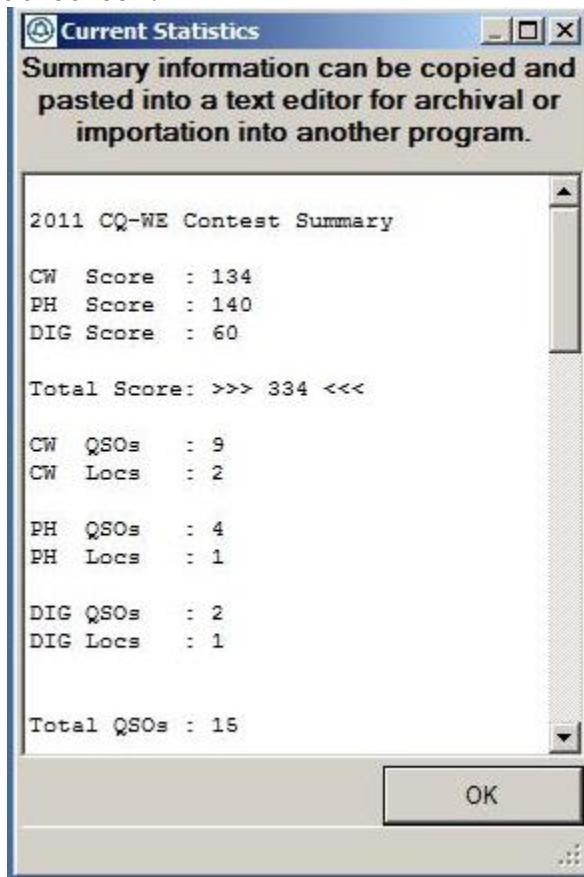
Print Out the Logger Data.

This description presumes the user is not a novice computer user.

A user may want to have a print out of the QSOs in the logger file. First select and display 'Current Stats'.



Next select 'Overall Statistics'.



Displayed in the header is 'the information can be copied and pasted into other programs'.

```
File Edit Format View Help
2011 CQ-WE Contest Summary

CW Score : 740
PH Score : 459
DIG Score : 60

Total Score: >>> 1259 <<<

CW QSOs : 13
CW Locs : 4

PH QSOs : 6
PH Locs : 3

DIG QSOs : 2
DIG Locs : 1

Total QSOs : 21
Total Locs : 4
CW Locations
```

For example, the scoring summary can be copied and pasted into a text format with Windows Notebook and later saved or printed.

Scrolling further down, the 'raw data' is shown.

Summary information can be copied and pasted into a text editor for archival or importation into another program.

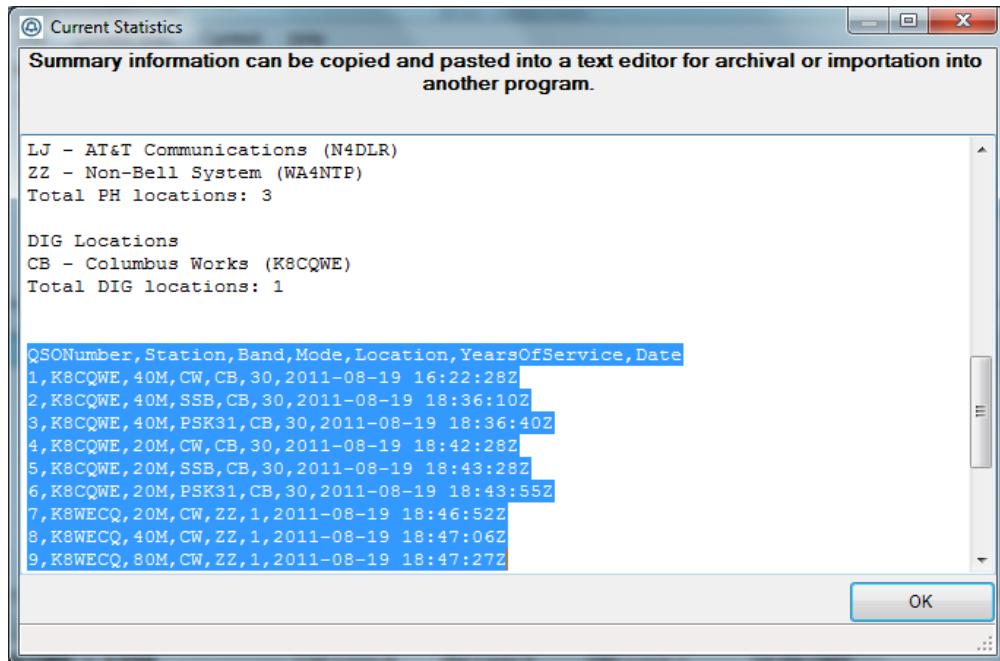
```
PH Locations
CB - Columbus Works (K8CQWE)
LJ - AT&T Communications (N4DLR)
ZZ - Non-Bell System (WA4NTP)
Total PH locations: 3

DIG Locations
CB - Columbus Works (K8CQWE)
Total DIG locations: 1

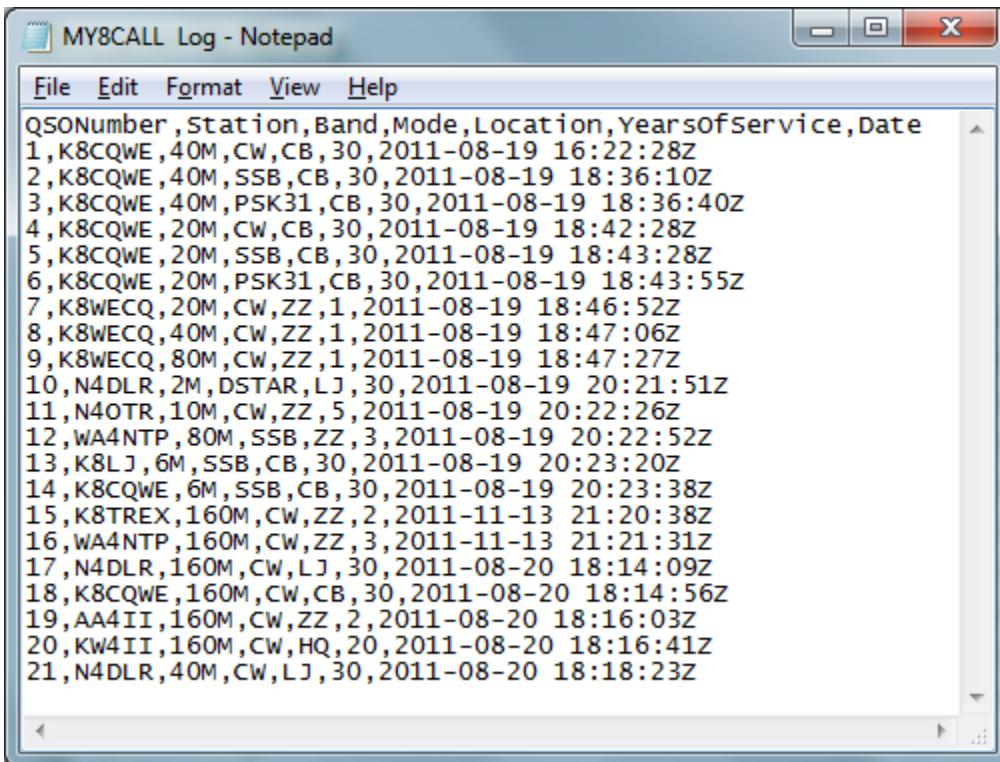
QSONumber,Station,Band,Mode,Location,YearsOfService,Date
1,K8CQWE,40M,CW,CB,30,2011-08-19 16:22:28Z
2,K8CQWE,40M,SSB,CB,30,2011-08-19 18:36:10Z
3,K8CQWE,40M,PSK31,CB,30,2011-08-19 18:36:40Z
4,K8CQWE,20M,CW,CB,30,2011-08-19 18:42:28Z
5,K8CQWE,20M,SSB,CB,30,2011-08-19 18:43:28Z
6,K8CQWE,20M,PSK31,CB,30,2011-08-19 18:43:55Z
7,K8WECQ,20M,CW,ZZ,1,2011-08-19 18:46:52Z
```

OK

The contestant would highlight this section, do 'copy' then 'paste' into another program such as Excel or Word to have a printable log.



Below the file is in a comma delimited format.



After importing the file, the data can be displayed in an 'spreadsheet format' and stored.

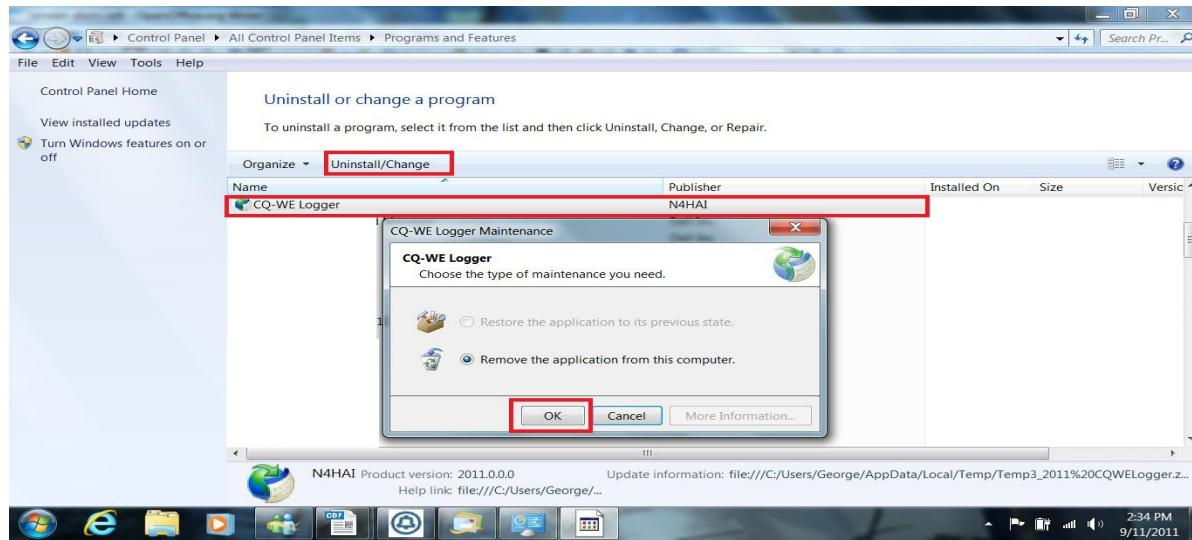
	A	B	C	D	E	F	G
1	QSONumber	Station	Band	Mode	Location	YearsOfService	Date
2	1	K8CQWE	40M	CW	CB	30	2011-08-19 16:22:28Z
3	2	K8CQWE	40M	SSB	CB	30	2011-08-19 18:36:10Z
4	3	K8CQWE	40M	PSK31	CB	30	2011-08-19 18:36:40Z
5	4	K8CQWE	20M	CW	CB	30	2011-08-19 18:42:28Z
6	5	K8CQWE	20M	SSB	CB	30	2011-08-19 18:43:28Z
7	6	K8CQWE	20M	PSK31	CB	30	2011-08-19 18:43:55Z
8	7	K8WECQ	20M	CW	ZZ	1	2011-08-19 18:46:52Z
9	8	K8WECQ	40M	CW	ZZ	1	2011-08-19 18:47:06Z
10	9	K8WECQ	20M	CW	ZZ	1	2011-08-19 18:47:07Z

Also the file can be printed as shown below.

Sheet1						
QSONumber	Station	Band	Mode	Location	YearsOfService	
1	K8CQWE	40M	CW	CB	30	
2	K8CQWE	40M	SSB	CB	30	
3	K8CQWE	40M	PSK31	CB	30	
4	K8CQWE	20M	CW	CB	30	
5	K8CQWE	20M	SSB	CB	30	
6	K8CQWE	20M	PSK31	CB	30	
7	K8WECQ	20M	CW	ZZ	1	
8	K8WECQ	40M	CW	ZZ	1	
9	K8WECQ	20M	CW	ZZ	1	
10	N4OLR	2M	DSTAR	LJ	30	

Remove the CQ-WE Logger program.

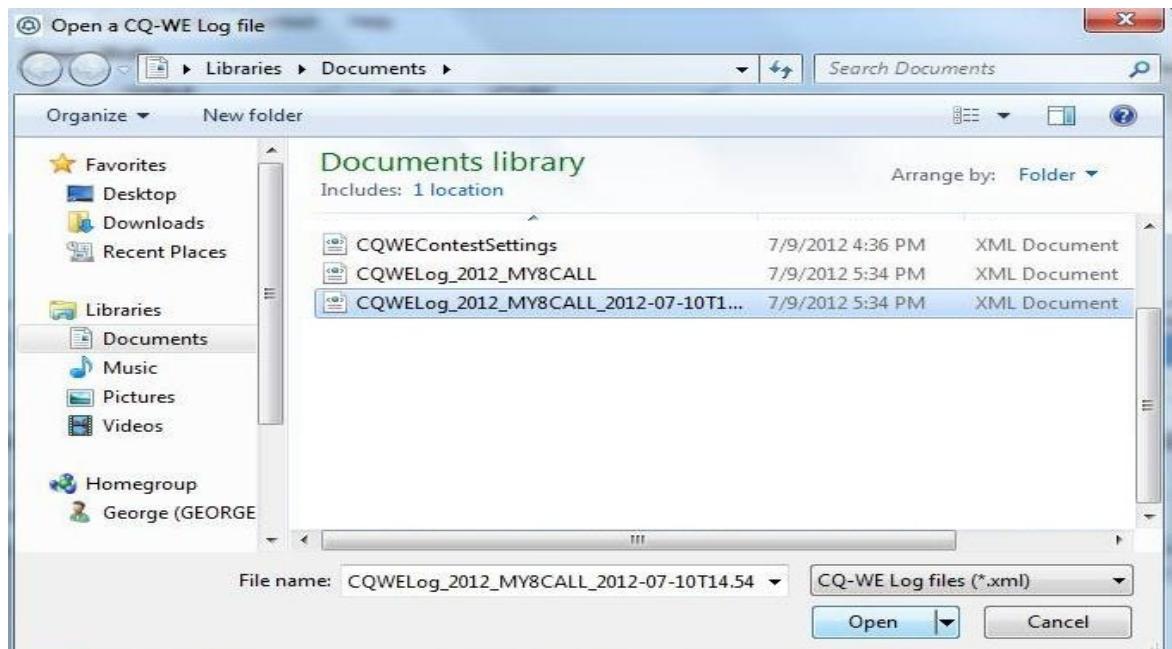
Remove/delete the program using the standard Windows method. Select 'Start' > Control Panel > Programs and Features. Highlight CQ-WE Logger and 'uninstall'.



The program is then removed.

!! Important !!

The uninstall process does not delete CQ-WE logger files in the Documents folder.



End of Users Manual.