Logbook of the World



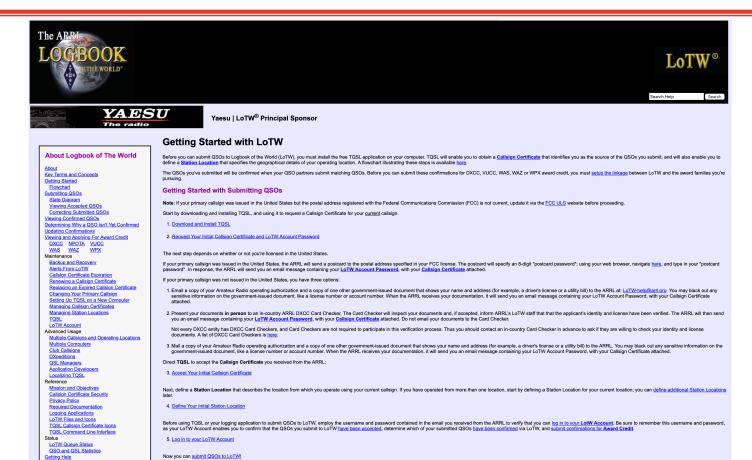
"Under the Hood"



George, K1IG

Logbook of the World (LoTW)





Logbook of the World (LoTW)



- Used world-wide for QSLs (>200K users)
- Integrity
- Is it really a logbook?
- The Three Databases
 - Somewhat connected and enable confirmations
 - Each database has inputs and outputs
 - Block diagrams
- Understand LoTW to use it better

Eliminate the Frustrations!

THE FRUSTRATIONS



LOADING QSOs
IS A PAIN

TO GET ACCESS

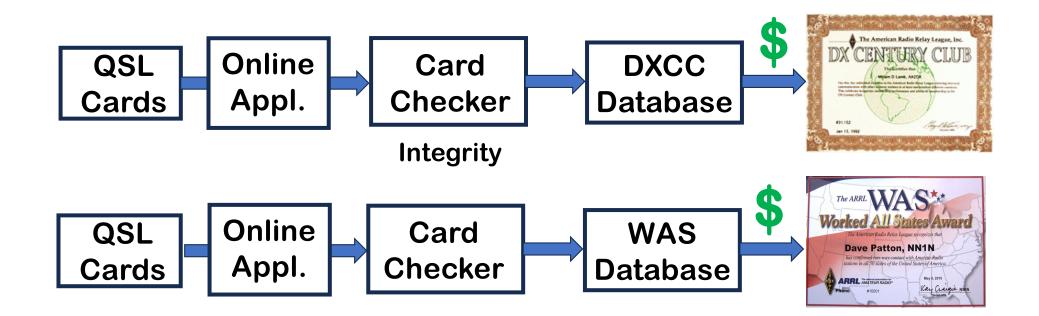
I'M NOT A DXER..
WHY BOTHER?

LOTW IS A RIPOFF!

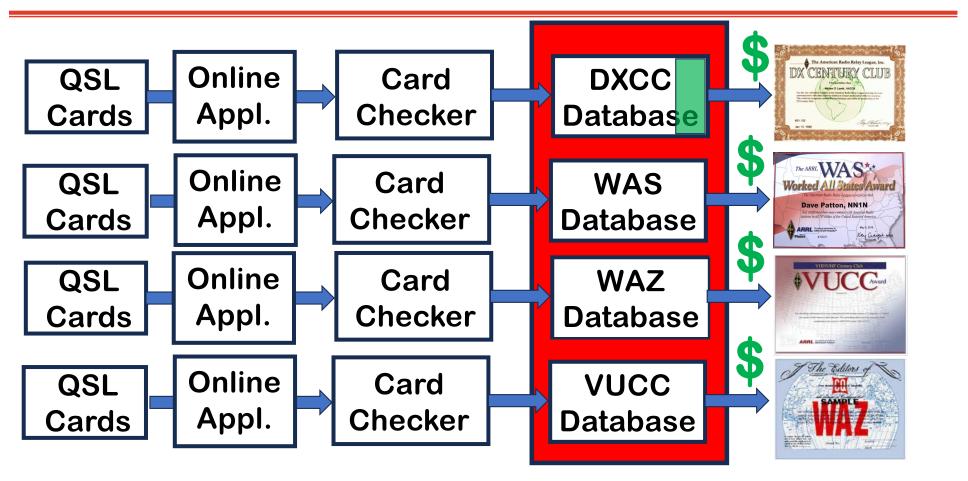
ONE QUERY TOLD ME A
CONTACT WAS CONFIRMED,
THEN ANOTHER SAID IT
WASN'T

In The Beginning...

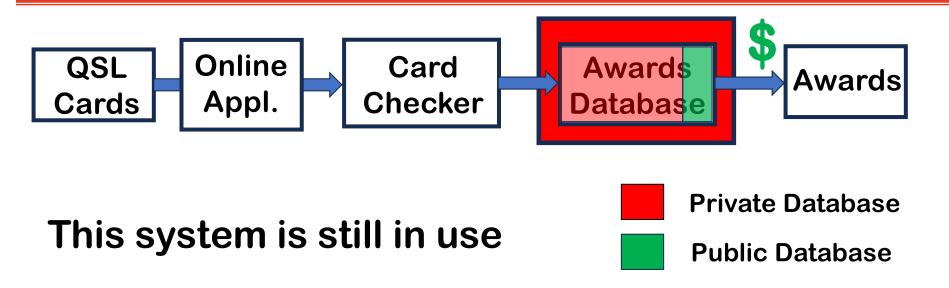






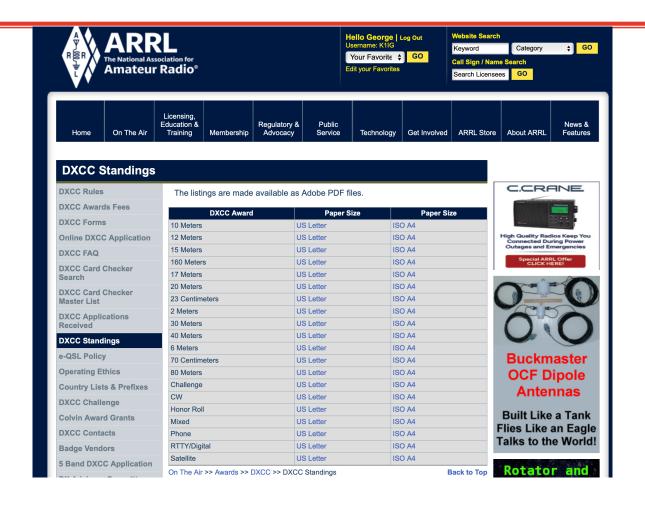






Getting an Award with Cards Takes *Years* and Costs a *Lot*







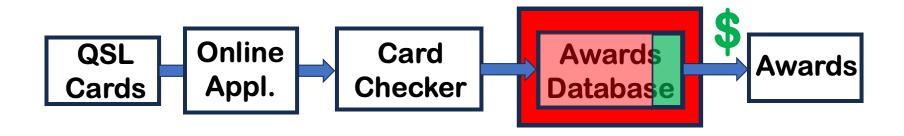
ARRL DXCC - Mixed

The ARRL DXCC is awarded to amateurs who submit confirmations for contacts with 100 or more entities on the ARRL DXCC List. As of 11 Nov 2025, there were 340 current entities on the list. The DXCC Honor Roll includes those who are within 9 entities of that figure for the Mixed, Phone, CW and Digital awards. The following listing of the DXCC membership contains the call signs and exact credited totals by endorsement level. Awards are NOT activated automatically; participants must apply to have a particular award (band, mode etc) activated when the qualifying number of credits is obtained. "Inactive" members (whose most recent DXCC application was before 1994-01-01 and who are not a current ARRL member) are shown in gray.

See the ARRL DXCC FAQ for details.

395	386	*OK1MP*	*JA1GC	376	*W9DC
*4X4DK	*ES1AR	*W9KNI	*K4MZU	DL1KB	*WA6GFE
	*HB9PL	*WF5E	*K8FL	*F2BS	
392	*JA2JW		*N7TT	*K4CIA	374
*SM3BIZ	*K2SHZ	381	*OH2BC	*K4ISV	*DL3OH
*W1JR	*NA0Y	*HB9QR		*K4KC	DL9OH
*W4DR	*ON4DM	*I7ZPB	378	*K5YY	*JA1BN
*W7GN		*JA1BRK	*DJ7ZG	*K8DYZ	*JA1GV
	385	*JA9AA	*DL7AV	*K8EJ	*JA2BL
391	*DL7HU	*K9SM	*K4FJ	*N1XX	*JA3BG
*4X4JU	*GM3ITN	*OK1ADM	*K4XL	*OH4NS	JA6AD
*W0BW	*W4ZV	*ON4IZ	*K6RN	*SM5BCO	*K0BLT





Private Database

Public Database

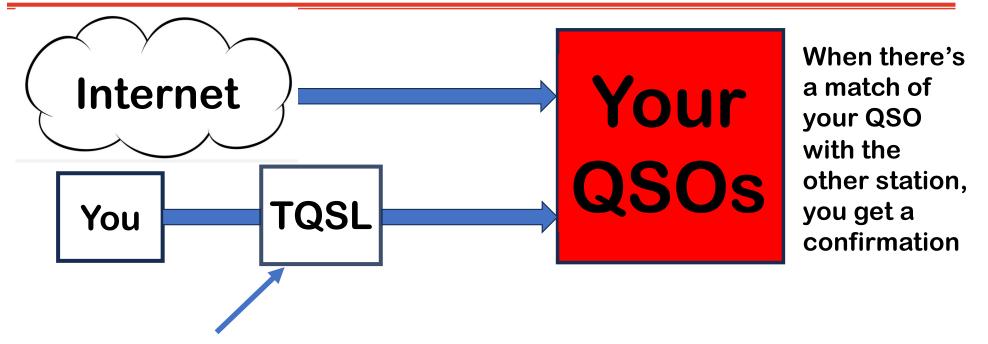
The "Your QSOs" Database



- The "internet thing"
- Create online database for awards and QSOs/QSLs
- Maintain integrity

The "Your QSOs" Database



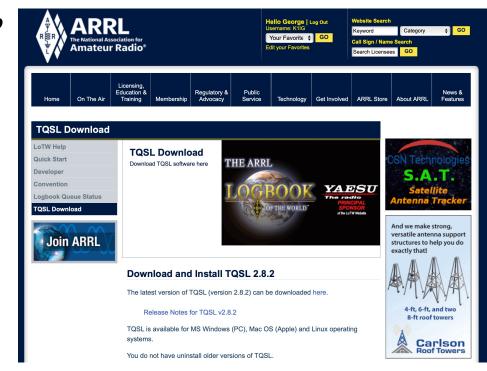


The TQSL (Trusted QSL) application is your interface with the online QSL database and maintains the integrity of the system by authenticating your uploaded QSOs.

Trusted QSL (TQSL) Application Phopage 1



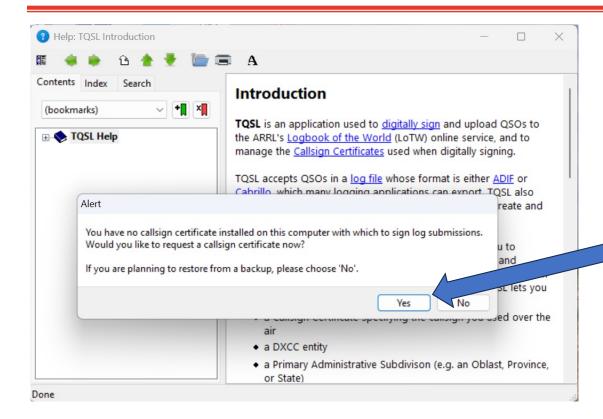
- Interface to the "Your QSOs" database
- Free app on LoTW website
- Integrity. The app guarantees that only you can upload your contacts.
- "Private Key"
- The biggest cause of frustation





- 1. Download TQSL app and install it on your computer
- 2. Use TQSL to request a digital certificate
- 3. You'll get a postcard from ARRL with instructions and a validation code
- 4. Follow the instructions to go to a special website and use your validation code
- 5. You will receive an email with your username and password and call sign certificate
- 6. Use TQSL to load your call sign certificate

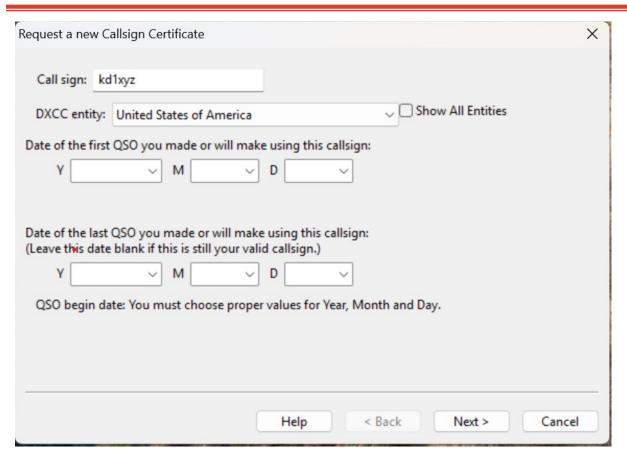




When you bring up TQSL for the first time you'll get this screen to request a callsign certificate.

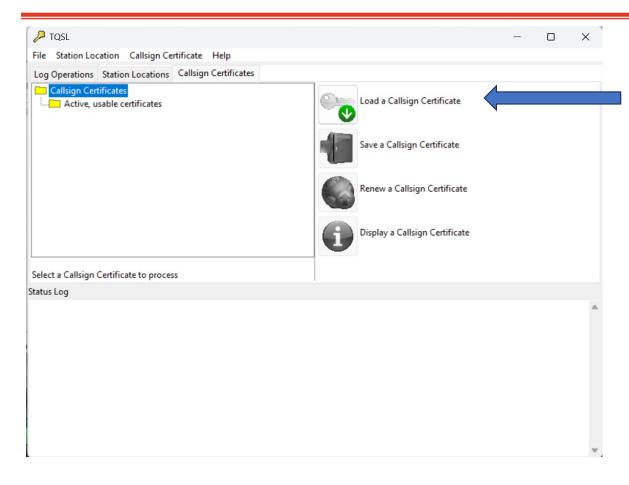
Click "Yes" to start the process





- Fill in your station data on this and subsequent screens
- On the final screen hit "Submit"
- A few days later you'll get a postcard from ARRL. Follow the instructions on the postcard.

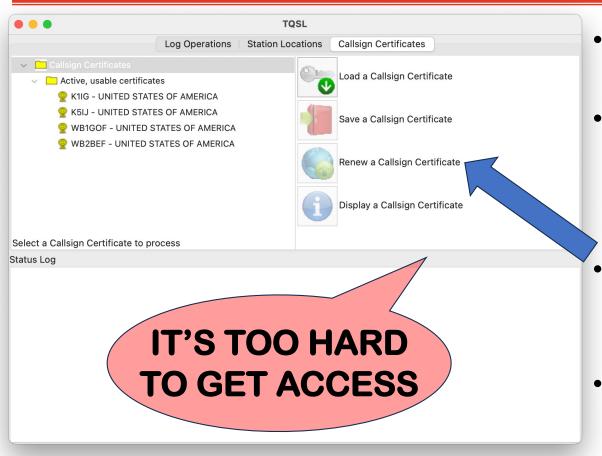




When you get your certificate in an email, use TQSL to load it onto your computer.

This MUST BE the same computer you used to request the certificate!

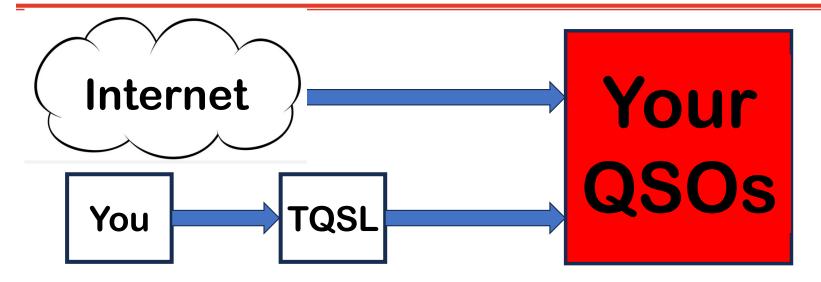




- Each certificate is good for three years
- You'll get a notification from ARRL when a certificate is about to expire
- To renew, click on "Renew a Callsign Certificate"
- You'll get an email with a new certificate. Load it.

Loading QSOs



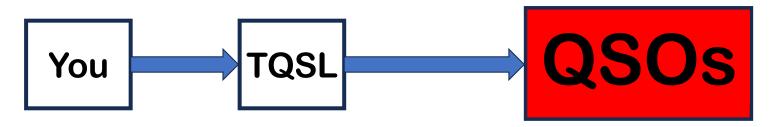


Three Ways:

- 1. The hard way
- 2. The very hard way
- 3. The easy way

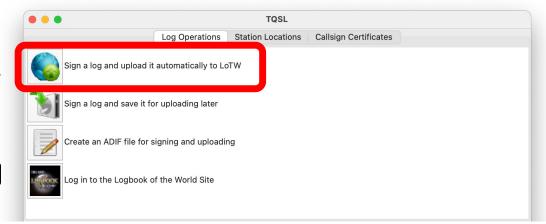
Loading QSOs – Hard





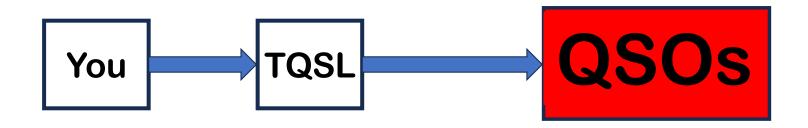
The Hard Way:

- 1. Create an ADI file from your logger. Bring up TQSL
- 2. Click "Sign a log..."
- 3. Upload to LoTW
- 4. You can also upload an ADI file on the LoTW website



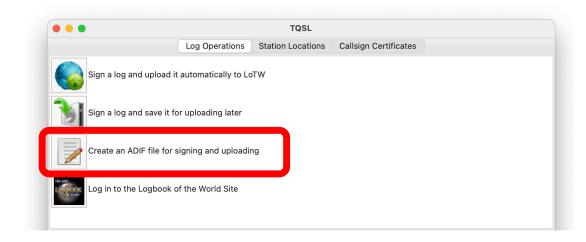
Loading QSOs – Very Hard





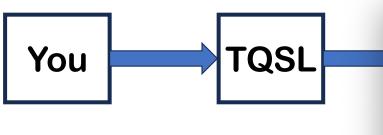
The Very Hard Way:

1. Click "Create an ADIF file..."



Loading QSOs – Very Hard





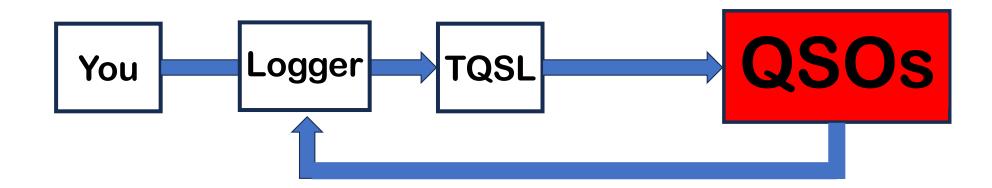
The Very Hard Way:

- 1. Click "Create an ADIF file..."
- 2. Manually enter QSO data
- 3. Hit "OK"

• 0 0	QSC) Data						
Call Sign								
UTC Date (YYYY-MM-DD)								
UTC Time (HHMM)	00:00:00Z							
Mode	AM	③						
Band	160M (1.8-2 MHz	c) 😊						
RX Band	NONE	©						
Frequency (MHz)								
RX Frequency (MHz)								
Propagation Mode	NONE	©						
Satellite	NONE	©						
One QSO Record								
Add QSO Delete								
Help Cancel OK								

Loading QSOs – Easy





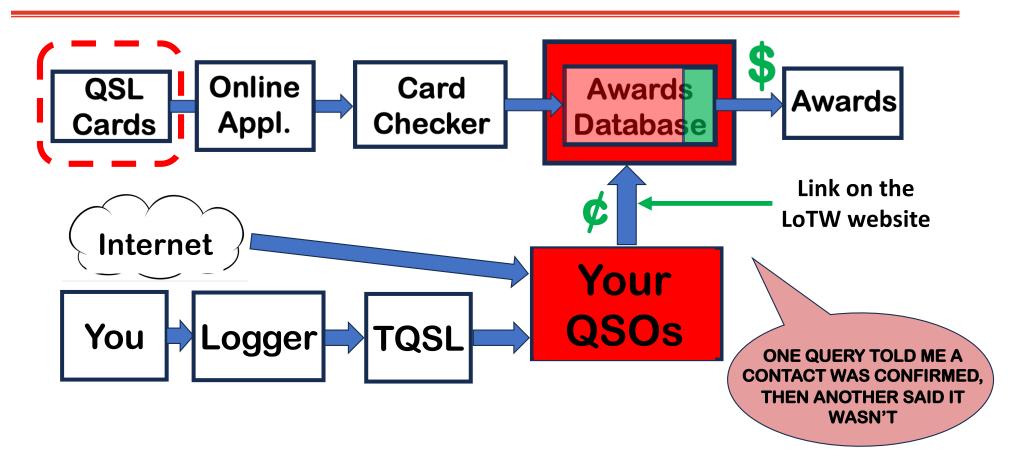
The Easy Way:

- 1. Let your logging program do it
- 2. Log4OM, Skookum Logger, Grid Tracker...

LOADING QSOs IS A PAIN

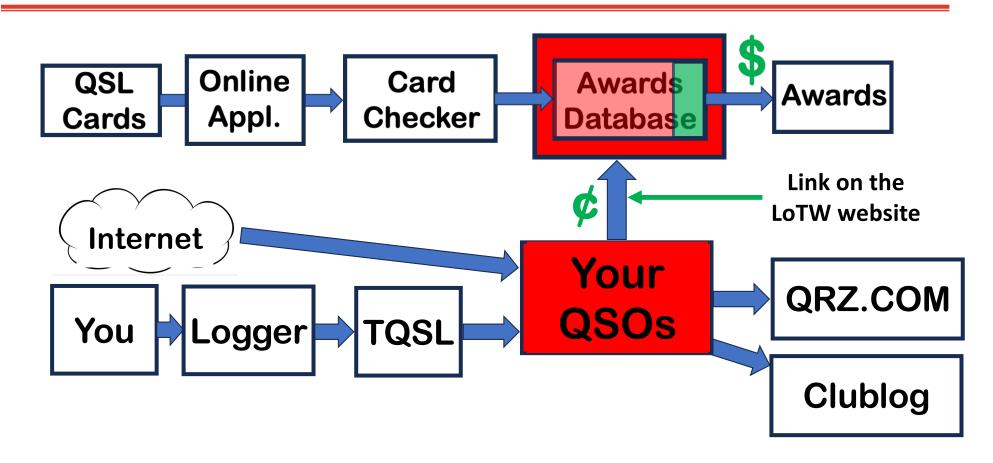
Link the Databases





Output to Other Apps





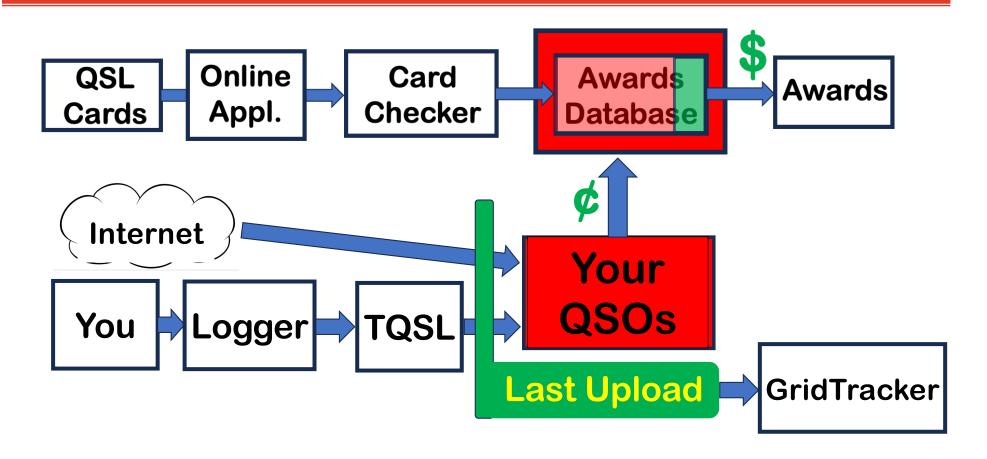
QRZ.COM





The "Last Upload" Database





GridTracker Interface





Outside Window

> Non User

• • •			Call Roster: 57 in roster • 1 w	anted					
RECEIVE Ha	alt TX Settings	Wanted			Exce	otions		Fewe	r Controls
Logbook Live	Band, Mix Modes	Callsign Grid DXCC Marathon WPX	OAMS Cont CQz Wat ITUz State County	inent cher	CC RF	aly Wanted Q Only R73 as CQ w Calls as Grid		Not My DXCC Only My DXCC Uses eQSL	
Callsign	LoTW	Calling	DXCC ▲	State	dB	Freq	Age	Dist (mi)	CQz
ON4AOI		CQ	Belgium		1	1375	28s	3486	14
E75AA	V	CQ	Bosnia-Herzegovina		-15	2507	27s	4282	15
VO1IV	?	CQ	Canada	NL	-1	773	28s	961	05
9A5CC	V	CQ	Croatia		-13	466	42s	4237	15
G4IIY		RR73	England		0	1084	28s		14
G4YLJ	V	CQ	England		-10	1209	25s	3123	14
MØLRY	V	N3YPL	England		-7	280	13s	3142	14
2EØTZW		CT1FIU	England		-16	2143	12s	3123	14
M9INN	V	RA3Y	England		-8	1775	27s	3123	14
G3YQA	V	CQ	England		-16	914	12s	3202	14
G1MHU		A91OMA	England		-16	1862	10s	3202	14
F4VTR	V	N8HRZ	France		-21	2296	9s	3654	14
F8AEJ	V	CQ	France		-8	2488	13s	3398	14
DJ6OI		RR73	Germany		-2	496	27s		14
DK5IR		OS4K	Germany		-17	1894	9s		14
DL5AA		EB3JT	Germany		-3	1440	13s		14
DL9UXF	~	UNKNOWN	Germany		-17	1694	25s	3876	14
EI3CTB	~	EA5FVY	Ireland		-18	2926	25s	2964	14

GridTracker Interface

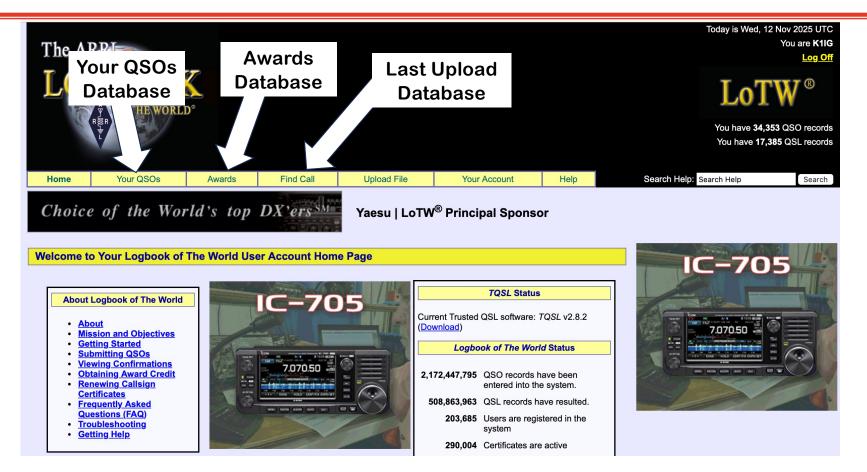




If You Don't Have an LoTW Checkmark, You May Not Get Contacts!

LoTW Website

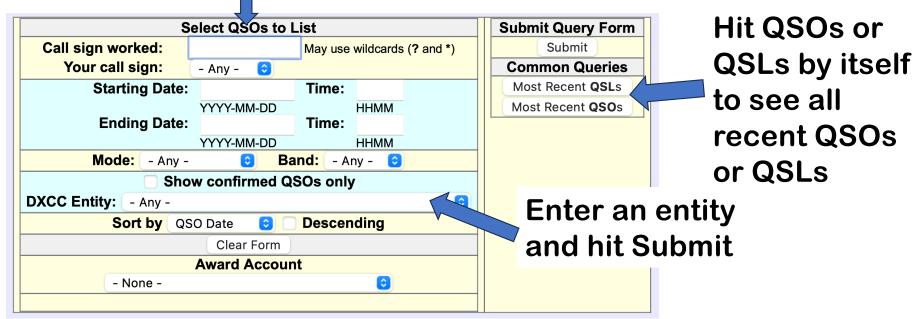




Your QSOs Database

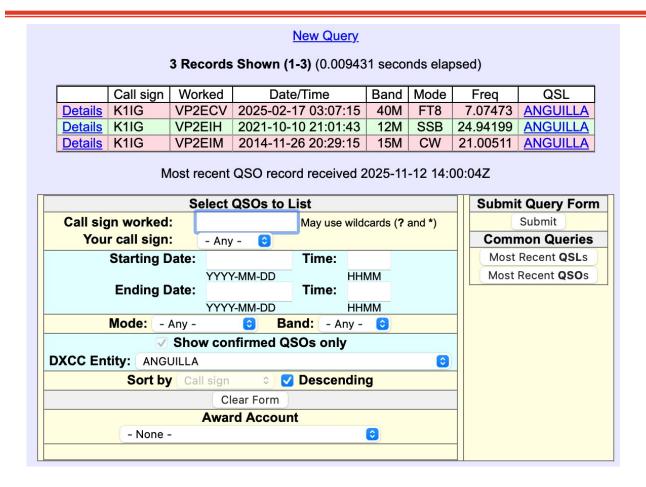


Enter a callsign and hit Submit



Your QSOs Database



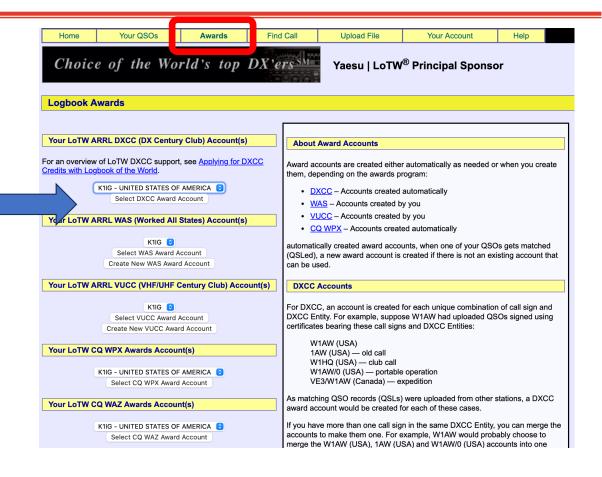


These queries will not show QSL card confirmations!

Awards Database







Awards Database



Confirmed, but not awarded (unpaid)

Paid and processing

Click on any award to see all your confirmed entities

	Account Status							
	DXCC Award	New LoTW QSLs	LoTW QSLs in Process	DXCC Credits Awarded	Total (All)	Total (Current)		
	Mixed *	0		221	221	220		
	CW *	0		185	185	185		
Ī	Phone *	0	0	156	156	155		
	<u>Digital</u> *	1	0	184	185	185		
	<u>160M</u>	0	0	1	1	1		
	<u>80M</u>	0	0	33	33	33		
>	<u>40M</u> *	0	0	119	119	119		
	<u>30M</u>	1	0	86	4	87		
	<u>20M</u> *	0	0	174	17-			
	<u>17M</u> *	1	0	152	153	153		
	<u>15M</u> *	0	0	179	179	178		
	<u>12M</u> *	0	0	151	151	151		
	<u>10M</u> *	0	0	150	150	150		
	<u>6M</u>	0	0	2	2	2		
	<u>2M</u>	0	0	1	1	1		
	Challenge *	2	0	1046		1048		
	Trident *					(
ľ	* = Award has been issued							

Awarded, including QSL cards. This number is shown in "DXCC Standings"

Awarded plus New LoTW QSLs

Current entities awarded plus not awarded

Getting Credit



Hit "Application"

Award Account Menu

Account Status

Account Credits

Modify Account

Application

Application History

DXCC QSL Download

Your Logbook DXCC Account (K1IG - UNITED STATES OF AMERICA)

Account Status

DXCC Award	New LoTW QSLs	LoTW QSLs in Process	DXCC Credits Awarded	Total (All)	Total (Current)
Mixed *	0	0	221	221	220
<u>CW</u> *	0	0	185	185	185
Phone *	0	0	156	156	155
<u>Digital</u> *	1	0	184	185	185
<u>160M</u>	0	0	1	1	1
<u>80M</u>	0	0	33	33	33
40M *	0	0	119	119	119
<u>30M</u>	1	0	86	87	87
<u>20M</u> *	0	0	174	174	174
<u>17M</u> *	1	0	152	153	153
<u>15M</u> *	0	0	179	179	178
<u>12M</u> *	0	0	151	151	151
<u>10M</u> *	0	0	150	150	150
<u>6M</u>	0	0	2	2	2
<u>2M</u>	0	0	1	1	1
Challenge *	2	0	1046		1048
Trident *					

^{* =} Award has been issued

View Award Credit Matrix

This account includes credits for the following:

K1IG - UNITED STATES OF AMERICA K5IJ - UNITED STATES OF AMERICA This account is linked with DXCC record:

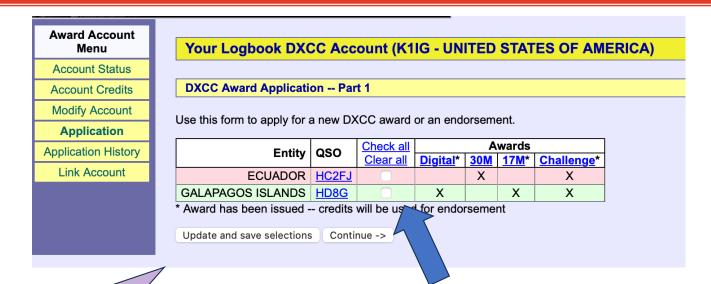
George Allison, K1IG

Notes

- Click on the Awards item in the menu at the top of the page to select a different LoTW award account.
- You can click on the links in the Account Status table to view the credit list for an individual award.
- When you are ready to apply your LoTW credits to your DXCC record, use <u>Application</u>
- To view the present and past applications you have submitted, use <u>Application</u> <u>History</u>.
- For an ADIF download with the details of all QSLs in your DXCC record use <u>DXCC QSL</u> <u>Download</u>.

Getting Credit





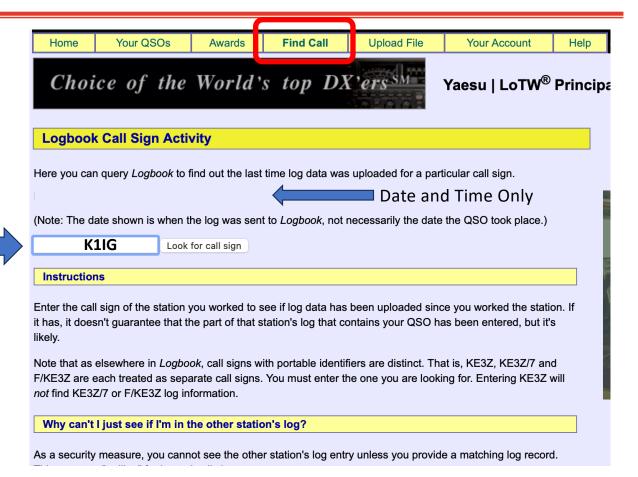
LOTW IS A RIPOFF!

Check the QSOs you want and hit "Continue," then follow the instructions. QSL credits are 12¢ each.

Last Upload Database



Fill in a call and hit "Look for call sign"



Things to Know

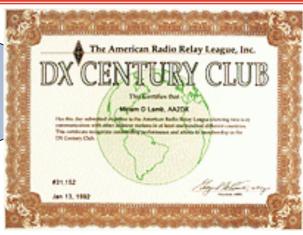


- If your certificate expires, consult the Help files
- You can have several callsign certificates active at the same time
- You can install your certificate(s) on multiple computers
- If you change your location (move, POTA...) update your grid square in TQSL
- The only sure way to know if someone is using LoTW is to check the Find Callsign tab on LoTW

Why Bother?







- Someday you may want to hunt awards
- The other station may need your gridsquare/ state/country via LoTW
- "The final courtesy of a QSO"