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# Bellbrook Amateur Radio Club

## Logging

BARC Operating Afternoon  
August 7, 2022

*John Westerkamp, W8LRJ*

# John Westerkamp, W8LRJ

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- Treasurer and Communications Coordinator
- BARC Member since 2018
- Ph.D. in Electrical Engineering from Purdue University
- 17 years on Electrical Engineering Faculty at University of Dayton
- Lori, Rachel, Jacob (LRJ)

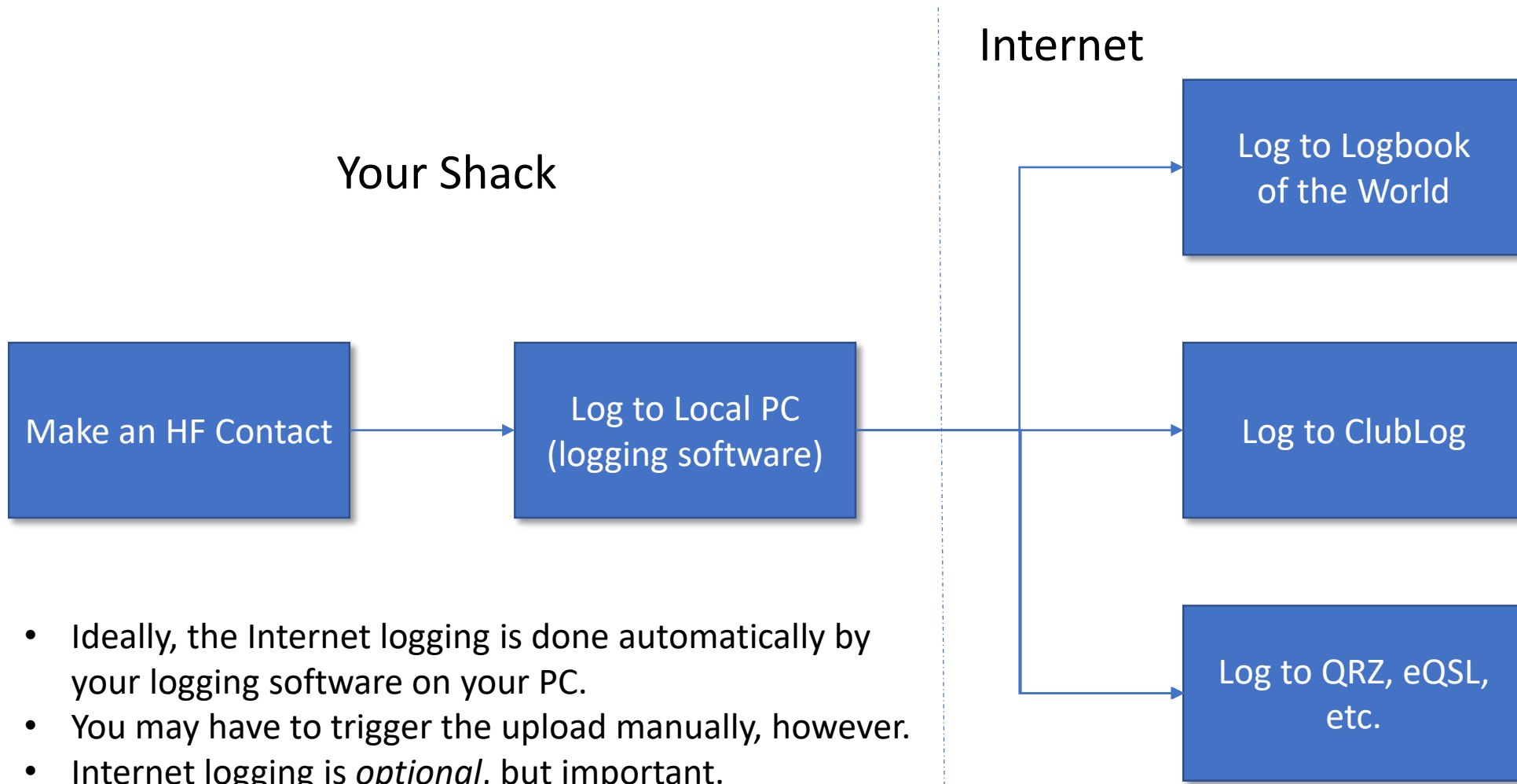
# Purposes for Logging

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- FCC used to require a logbook at each station (not any longer); however, the FCC *may* request information about a contact
- Transmitting on 60m with other than a dipole requires a log of your power settings
- Now mostly local software and on-line
- Personal satisfaction to track your progress
- Record of previous contacts when calling or being called by a station
- Avoid duplicate calls (especially in contests)
- Award applications (DXCC, WAS, etc.)
  - ✓ DXCC (DX Century Club, 100 DX Contacts)
  - ✓ WAS (Worked All States)
  - ✓ WAC (Worked All Continents)
  - ✓ CQ (Worked All CQ Zones)
- Focus today on logging *voice* contacts (FT8 another day!)

# Logging Process



# Local PC Logging Software

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- N3FJP Amateur Contact Log (BARC uses N3FJP for logging and contesting; free for first 30 contacts, only \$60 for entire suite)
- N1MM+ is very popular for contesters (free)
- DXKeeper (part of DX Lab Suite and free)
- CQ Log
- Log4OM
- MacLogger DX (obviously for the Mac)
  
- Note that some logs are for Contesting and some have regular contact logging components.



# Internet Logging Sites

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- Logbook of the World (LoTW) is the standard, especially for awards
  - ✓ Account creation process is somewhat involved
  - ✓ Requires downloading and installing software and using a callsign certificate
  - ✓ Allows you to track your award progress
  - ✓ After creating an account, upload your log (.adi file)
- ClubLog is great for tracking DX and is also used by BARC for our DXCC League
  - ✓ Create an account at clublog.org
  - ✓ Upload your log (.adi file)
  - ✓ Send email to Paul Sharp, KD8OPN, to add you to the league
  - ✓ Use DX Cluster to spot any DX entities you still need
- QRZ is at qrz.com (good if you pay for qrz.com membership)
- eQSL is another site that some hams use for awards

# Logbook of the World

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- Logbook of the World (LoTW) is the main logging system for amateur radio and a source of awards (DXCC, WAS, etc)
- All contacts are verified and automatically matched with the other QSO station for an official QSL
- Requires an account at LoTW and that you are a licensed amateur
- Requires you to download and install TQSL software to upload contacts
- Requires that you verify your address and install a callsign certificate

# Activating TQSL



- [Quick Start TQSL \(arrl.org\)](http://www.arrl.org/quick-start-tqsl)

Join ARRL

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QST  
ARRL's Monthly Membership Journal  
GET IT HERE

Logbook of the World  
LOGBOOK  
OF THE WORLD

Learn More

Get Started

- + Instructions
- + Step 1 - Download and install the software
- + Step 2 - Request a certificate for your call sign  
Requesting a certificate is a simple process of entering some basic information such as your call sign, name, address and your e-mail address.  
[Go Now](#)
- + Step 3 - Authenticate your location (USA)
- + Step 3 - Authenticate your location (non-USA)
- + Step 4 - Accept Your Call Sign Certificate (TQ6 file)
- + Step 5 - Create a station location
- + Step 6 - Sign Upload Your Log Files via the Internet

On The Air >> Logbook of the World >> Quick Start >> Quick Start TQSL

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Having Trouble?

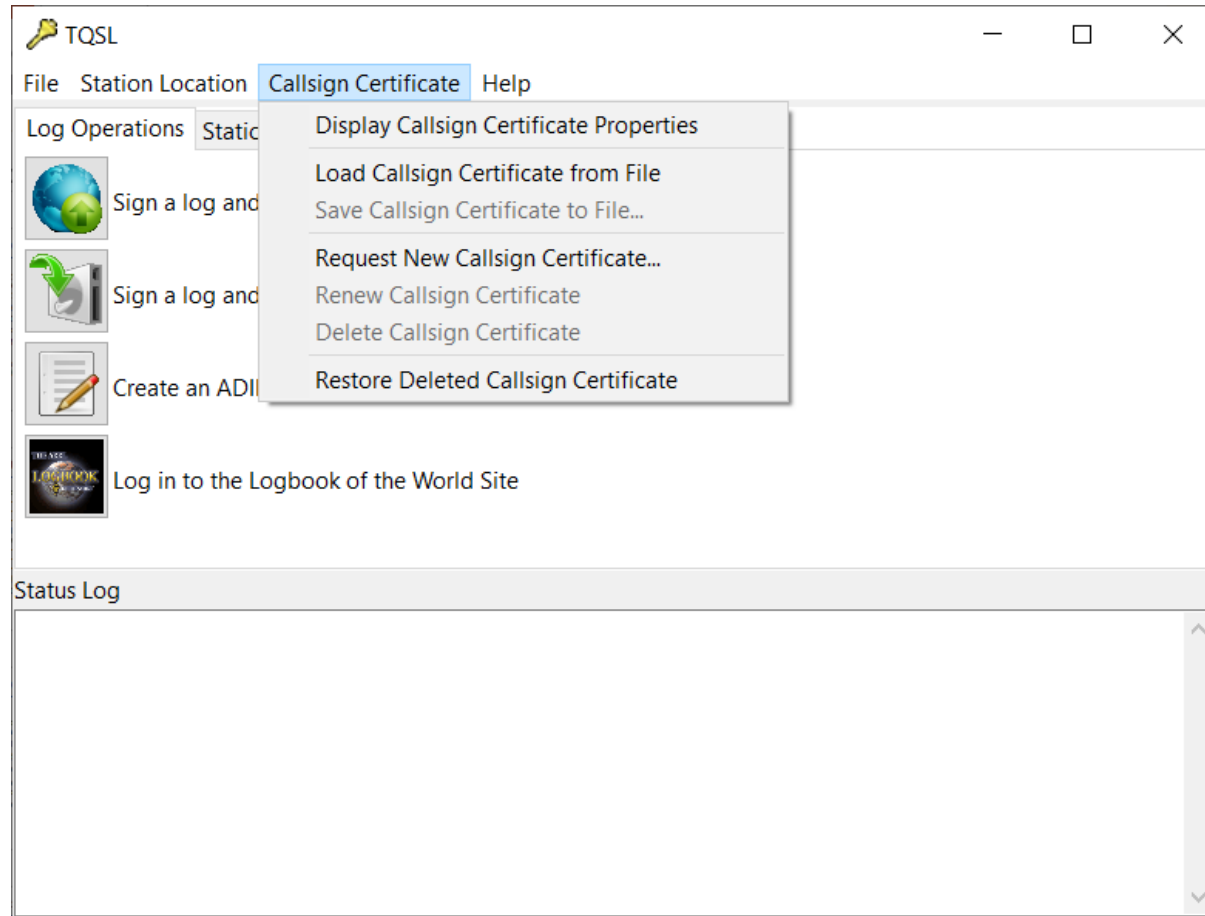
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# TQSL Setup



- Select *Callsign Certificate*
- Next select *Request New Callsign Certificate*
- Fill in the form and submit
- For radio amateurs in the USA, callsign authentication is done with a postcard that is mailed to the address in the FCC database.
- If this address is not current, please visit the [FCC ULS website](#) and update your address information.
- The postcard will direct you to a special LoTW web page (URL is on the postcard) and enter an eight digit code from the postcard after which the TQ6 file will be e-mailed to the user.

# TQSL Setup (con't)

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- At this point you have received an e-mail from LoTW with your TQ6 file. This e-mail also contains your username (your callsign) and a password to log into the LoTW userpage. This information is in the lower portion of the text in the e-mail message.
- These instructions will show you how to load the TQ6 file and more importantly how to save the certificate. **The TQ6 file by itself is not your complete certificate so please be sure to use the instructions to load and save your certificate.**
- Once the callsign certificate is installed in TQSL, you need to create a *Station Location*. The station location contains all of the geographic information for your operation. This includes ITU and CQ zones, grid square, US State and county, and IOTA number if you operated from an IOTA island.

# Using N3FJP for Logging



N3FJP's Amateur Contact Log 7.0.6 www.n3fjp.com

File Edit Settings Clear CallBook List Search Awards eLogs Recall Net View Help

Find Recent Contacts 250 Listed QSOs

Rec#	Call	Date / Time	Bnd	Mode	Power	Snt	Rec	Off	Country	ST	County	Name	Other	S	R	Comments	Frequency	10-10	Grid	Cont
250	HC5EG	2022/01/01 20:53	15	FT8					Ecuador					Y	N					SA
249	D44PM	2022/01/01 20:50	20	FT8					Cape Verde					Y	N					AF
248	PZ2YT	2022/01/01 20:37	20	SSB					Suriname					Y	N					SA
247	W2T	2021/12/28 23:10	10	SSB					USA					Y	N					NA
246	NP4VM	2021/12/28 21:09	10	SSB					Puerto Rico					Y	N					NA
245	TO60CNES	2021/12/28 19:53	20	SSB					French Guiana					Y	N					SA
244	KP4PUA	2021/12/28 19:35	20	SSB					Puerto Rico					Y	N					NA
243	OO9A	2021/12/28 19:12	20	FT8					Belgium					Y	N					EU
242	GB1HNY	2021/12/28 19:08	20	FT4					England					Y	N					EU
241	KE7RTB	2021/12/28 18:57	10	FT8					USA					Y	N					NA
240	PY2SGL	2021/12/28 18:56	10	FT8					Brazil					Y	N					SA
239	CA3SOC	2021/12/28 18:54	10	FT8					Chile					Y	N					SA
238	N7UVH	2021/12/28 17:58	12	FT8					USA	ID	KOOTENAI			Y	Y				DN17MR	NA
237	CU3EQ	2021/12/28 17:56	12	FT8					Azores					Y	Y				HM68KP	EU
236	PY4DY	2021/12/28 17:53	12	FT8					Brazil					Y	Y				GH80AC	SA
235	VA3MJR	2021/12/28 03:12	80	FT8					Canada					Y	Y				FN03BF	NA
234	N7XXC	2021/12/28 03:05	40	FT8					USA					Y	N					NA
233	V31DL	2021/12/28 01:10	40	FT8					Belize					Y	Y				EK57NF	NA
232	HB9HIT	2021/12/27 16:04	15	FT8					Switzerland					Y	Y				JN36HN	EU

Ready to begin! LogData.mdb

Call	Date	Band	Mode	Power	Time On	Sent	Rec	Country

Name	State	County	Frequency	Other

QSL Sent  
 QSL Rcvd

Spot Last 1:32:19 PM 17:32:19 UTC

Log Contact

Bearing: \_\_\_\_\_  
Miles: \_\_\_\_\_  
Cont: \_\_\_\_\_

Call	Frequency	QTH	Band	Mo...	Status	Comments	Pfx	Time	C...	Bea...	Dist...	On ...
A65HC	14.2200	United Arab ...	20	SSB	Unconfirmed!	de: PA2PKZ: BIG!! USB	A6	1732Z	AS	39	7.267	
CX7SS	21.2500	Uruguay	15	SSB	Unconfirmed!	de: LU5FCV: CORRIJO FRECUENCIA	CX	1731Z	SA	156	5.330	
CX7SS	21.2500	Uruguay	15	SSB	Unconfirmed!	de: SV2CLJ: USB	CX	1730Z	SA	156	5.330	
ON31IN	14.1810	Belgium	20	SSB	Unconfirmed!	de: QR2A	ON	1729Z	EU	47	4.125	

- Download and install Amateur Contact Log (ACL) from n3fjp.com and install.
- Run ACL and type in your settings (callsign, gridsquare, state, etc.).
- Type in a callsign you want to work or have just worked and hit *Enter*.
- If you connect ACL with QRZ.com, it automatically fills in the info.
- If you connect ACL to your rig, it automatically fills in the frequency and mode information.
- After the QSO, click *Log Contact*.
- Use *eLogs* to log the QSO to any Internet logging site.
- Need to set this up first.

