

The Art of QSLing and ARRL Log Book of the World (LoTW)

By Terry G. Glagowski / W1TR - 24-Mar-2011 CMARA Meeting

- History of QSLs
- Direct Mail, QSL managers, QSL Bureaus, eQSL
- LoTW Overview
- Getting Started with LoTW
- SignUp / Certificates / Software Installation
- Multiple Callsigns / Times / Locations
- Submitting Logs
- Retrieving QSLs
- Applying for Awards (WAS/DXCC/VUCC)
- Summary
- Show & Tell
- Artwork

Why Do We QSL?

- To provide proof of contact
- To apply for awards and certificates
- To display accomplishment
- For collectibles (artwork, stamps?)
- For fun...

History of QSLs – QSL Mgrs

- Wikipedia - <http://en.wikipedia.org/wiki/QSL>
- QSL is a written confirmation of a QSO
- QSL is a very individualized (approx) 3.5 by 5.5 inch card
- 1st QSL: 1916: 8VX in Buffalo, NY to 3TQ in Philadelphia, PA
- Usually delivered by US Mail, in person, or other courier
- **Problem: Postage Cost**
(\$0.44 Letter, \$0.28 PostCard, \$.075 Canada, 0.79 Mexico, \$0.98 Intl)
- **Problem: QSL Card Cost (\$0.05 to \$0.25 each)**
- **Solution: QSL Managers**
- Solution: DX QSL Bureaus (Incoming / ARRL Outgoing)
- **Solution: Domestic QSL Bureaus**
- **Problem: Postal Regulations**
- Solution: LoTW, eQSL

QSL Must Contain

- Callsign of your station
- Location of your station
- Callsign of other station
- Date / Time of QSO (UTC / Zulu time preferred)
- Frequency / Band
- Emission Mode
- Other Info: Propagation (EME), Satellite, etc
- **Statement of two way communication**

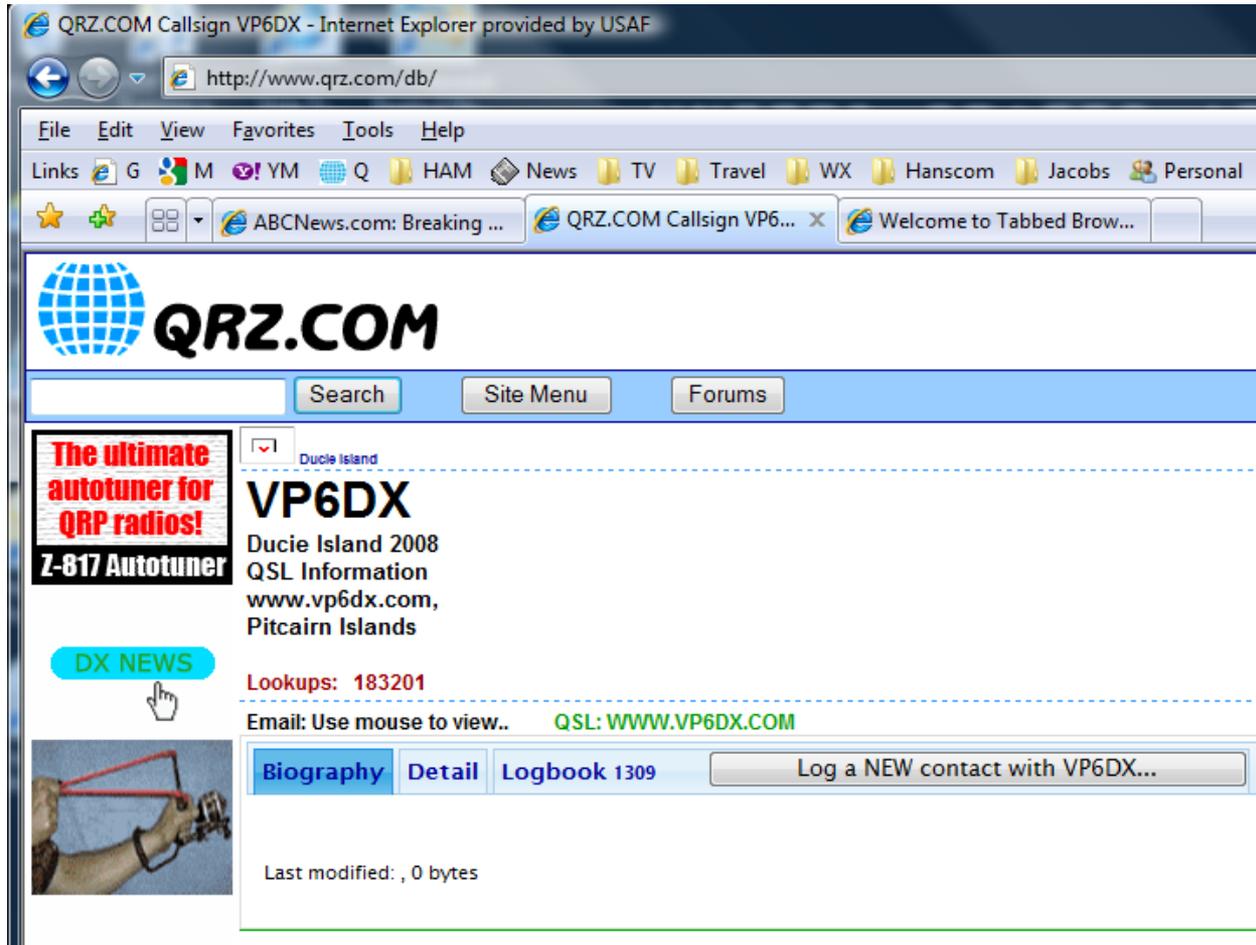
Direct Mail

- Get an Accurate Address (QRZ.com)
- Determine the Correct Postage
- Determine the Correct Return Postage
- SASE
- IRCs (International Reply Coupons, \$1.90)
- **Watch Your Wallet ! !**

QSL Managers

- QSL managers handle clerical work for DXers
- QSL managers are located
 - In USA so domestic postage rates apply
 - In foreign countries with easy access via QSL bureaus and postal service
- Check QRZ.com for QSL manager, QSL Info
- Listen to QSO for QSL Info

QRZ.com – Mailing Address VP6DX



The screenshot shows an Internet Explorer browser window displaying the QRZ.COM website. The address bar shows the URL <http://www.qrz.com/db/>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar shows various icons for links, search, and navigation. The main content area features the QRZ.COM logo and a search bar. Below the search bar, there is a profile for **VP6DX** from **Ducie Island**. The profile includes the text "Ducie Island 2008", "QSL Information", "www.vp6dx.com", and "Pitcairn Islands". A "Lookups: 183201" counter is visible. Below the profile, there are tabs for "Biography", "Detail", and "Logbook 1309", along with a button to "Log a NEW contact with VP6DX...". The "Last modified" information shows ", 0 bytes". On the left side of the page, there is an advertisement for "The ultimate autotuner for QRP radios! Z-817 Autotuner" and a "DX NEWS" button.

QRZ.COM Callsign VP6DX - Internet Explorer provided by USAF

<http://www.qrz.com/db/>

File Edit View Favorites Tools Help

Links G M YM Q HAM News TV Travel WX Hanscom Jacobs Personal

ABCNews.com: Breaking ... QRZ.COM Callsign VP6... Welcome to Tabbed Brow...

 **QRZ.COM**

Search Site Menu Forums

The ultimate autotuner for QRP radios!
Z-817 Autotuner

 Ducie Island

VP6DX
Ducie Island 2008
QSL Information
www.vp6dx.com,
Pitcairn Islands

Lookups: 183201

Email: Use mouse to view.. [QSL: WWW.VP6DX.COM](http://WWW.VP6DX.COM)

[Biography](#) [Detail](#) [Logbook 1309](#) [Log a NEW contact with VP6DX...](#)

Last modified: , 0 bytes

DX NEWS



QRZ.com – QSL info VP6DX

Lookups: 183201

Email: kontakt@ducie2008.dl1mgb.com

QSL: WWW.VP6DX.COM

[Biography](#)

Detail

[Logbook 1309](#)

[Log a NEW contact with VP6DX](#)

QRZ Record	1550777	Manage Record
Lookups	183201 (185301)	Mailing Label...
Last Update	2010-06-08 01:34:56	
Bearing	226.8° SW (from W1TR)	
Distance	5695.4 mi (9165.9 km)	
Long Path	19161.4 mi (30837.3 km)	
Web Page	http://www.vp6dx.com	
QSL Info	WWW.VP6DX.COM	
QSL by Mail?	No (e.g. Will this ham QSL by Postal Mail?)	
QSL by eQSL?	No (e.g. Will this ham QSL with eQSL?)	
Uses LOTW?	Yes (e.g. Does this ham use ARRL's LOTW ?)	
Apply for a new Vanity callsign...		

QRZ.com – Grid Square Info

GridMapper - Grid and Station Locator

Click on the map to select a grid square, or, enter desired location.

Lat Lon Grid

The map interface displays a grid of four grid squares: CG75oi (top-left), CG75pi (top-right), CG75oh (bottom-left), and CG75ph (bottom-right). A blue and white crosshair marker is positioned in the center of the CG75oh square. A red location pin is placed on the map, labeled "Dunlap Island". The map is styled as "Map". Navigation controls include a compass rose, a zoom-in (+) and zoom-out (-) button, and a vertical zoom slider. A scale bar at the bottom left shows 2 miles and 2 kilometers. The text "POWERED BY Google" is visible in the bottom left corner, and "Terms of Use" is in the bottom right corner.

Show Hams Auto Center Hams 0

Marker: -24° 40' 46" S -124° 46' 53" W CG75oh(0 hams)

WEB Site – QSL Info (1)



VP6DX - DUCIE ISLAND - 2008

- [Home](#)
- [News](#)
- [How To Help](#)
- [Sponsors](#)
- [Timetable](#)
- [The Team](#)
- [Equipment](#)
- [Operating](#)
- [Site Map](#)
- [Online Log](#)
- [QSO Statistics](#)
- [Online QSL Request](#)
- [QSL Information](#)
- [About Ducie Island](#)
- [Links](#)
- [Pictures](#)
- [Sounds](#)
- [Contact Us](#)
- [Guestbook](#)
- [FAQ](#)
- [Imprint](#)

[Home](#) :: QSL Information

Online QSL Request System (preferred method)

Click [here](#) for more information and your Online QSL Request.

Direct QSL cards

If you have to send your QSL card direct, we would like to ask you to follow these instructions:

- Please mark VP6DX on the envelope (it's easier to sort QSLs then) and send it to:

**Carsten Esch
Drosselweg 3
21376 Salzhausen
GERMANY**
- Non EU stations: send a SAE (Self Addressed Envelope) plus 3 US\$ or 2 Euro or 1 valid IRC (Note: the exchange rate from the US\$ to Euro is so low that we cannot cover return postage with only 2 US\$)
- EU stations: send a SAE (Self Addressed Envelope) plus 1 US\$ or 1 Euro or 1 valid IRC
- This postage allows us to send one letter with 20 grams = 1 QSL card + envelope
- If the SAE and/or (not enough) postage is missing we will return via bureau.
- If you were happy with our DXpedition and you got a new country or new bands/modes, we would be glad to receive some extra donation to cover our costs and this will also allow us to plan and finance our next DXpedition. **Thank you!**

Please remember that we can only accept the new valid IRCs for direct return. QSL cards sent with old IRCs will be answered via the bureau. As soon we start QSL'ing, we will confirm all your QSO's (without dupes). Don't worry! The QSL's will be sent in this order:

- Online DIRECT QSL requests
- Direct QSL requests
- Online BUREAU QSL requests



RSS 2.0

WEB Site – QSL Info (2)

Bureau QSL cards

There is no way to send your card(s) through the bureau!

We will confirm the online QSL requests for bureau cards at the very last after the direct requests are processed (probably 8-12 month after the expedition).

AGAIN: PLEASE DO NOT send cards via the bureau!

QSL card from VP6DX

VP6DX **Ducie Island**

IOTA OC-182 Grid square CG75OH ITU zone 63 CQ zone 32

To Radio: **W1TR**

VP6DX confirms the following QSO(s):

Date	UTC	Band	Mode	RST	Date	UTC	Band	Mode	RST
Feb 16, 2008	08:12	160m	CW	599	-----	----	-----	-----	----
Feb 16, 2008	08:45	80m	CW	599	-----	----	-----	-----	----
Feb 17, 2008	19:39	15m	CW	599	-----	----	-----	-----	----
Feb 25, 2008	03:10	40m	SSB	59	-----	----	-----	-----	----
Feb 26, 2008	00:11	17m	CW	599	-----	----	-----	-----	----
Feb 26, 2008	00:14	12m	CW	599	-----	----	-----	-----	----
Feb 26, 2008	02:03	20m	CW	599	-----	----	-----	-----	----
Feb 26, 2008	03:37	30m	CW	599	-----	----	-----	-----	----
Feb 27, 2008	04:05	40m	CW	599	-----	----	-----	-----	----

TNX for the QSOs

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QRZ.com – Mailing Address KC4AAA

 USA

KC4AAA
AMUNDSEN-SCOTT SOUTH POLE STATION
QSL VIA K1IED
USA
Lookups: 41791



Email: k1ied@cox.net QSL: K1IED SASE OR EQUIV. REQ.

[Biography](#) [Detail](#) [Logbook 216](#)

Last modified: , 0 bytes

QRZ.com – QSL Info KC4AAA

Email: k1ied@cox.net

QSL: [K1IED SASE OR EQUIV. REQ.](#)

[Biography](#)

Detail

[Logbook 216](#)

[Log a NEW contact with KC4AAA](#)

QRZ Record 830955

Lookups 41791 (46190) [Mailing Label...](#)

QRZ Admin [K1IED](#)

Last Update 2009-02-11 19:20:19

Effective 2002-08-28

Expires 2018-12-31

Grid Square JJ00aa

ITU Zone 74

ULS Record [10000037 FCC page...](#)

QSL Info [K1IED SASE OR EQUIV. REQ.](#)

[Apply for a new Vanity callsign...](#)

QRZ.com – Mailing Address K1IED (QSL Mgr)



USA

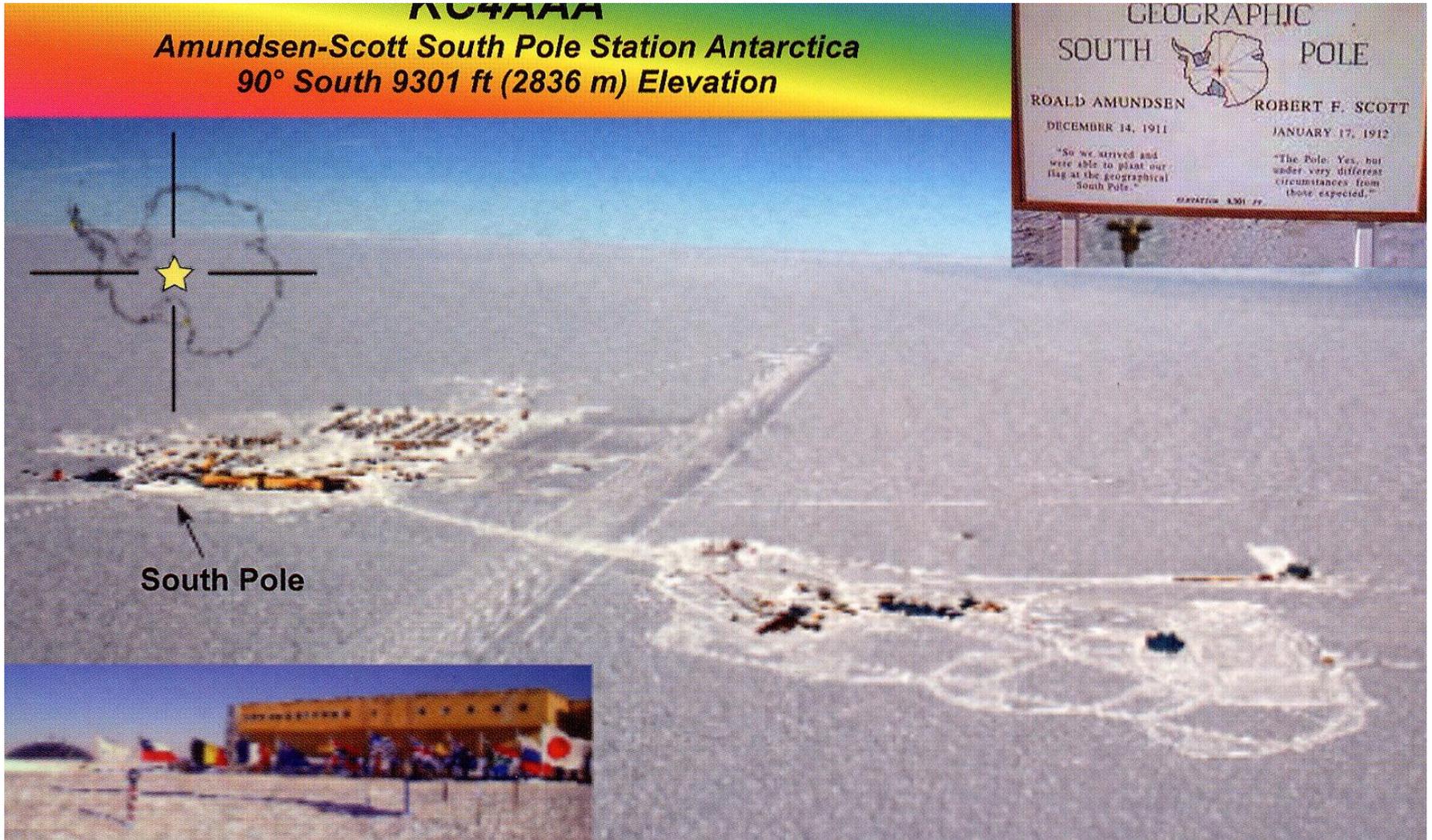
K1IED

LARRY F SKILTON
72 BROOK ST
SOUTH WINDSOR, CT 06074
USA

Lookups: 72805 Ham Member

Email: Use mouse to view.. QSL: SASE OR EQUIV ONLY + BEAURO

QSL from KC4AAA (20m SSB)



QRZ.com – QSL Info K5D



K5D

Desecheo 2009 DXpedition
Consult the www.kp5.us website
for official information,
USA

Lookups: 326176

QSL: VIA N200, PO BOX 345, TUCKERTON NJ 08087

Biography	Detail	Logbook 902	Log a NEW contact with K5D..
QRZ Record	1613988		
Lookups	326176 (330095)		Mailing Label...
QRZ Admin	W4GKF		
Last Update	2009-03-08 12:34:11		
Latitude	18.381895 (18° 22' 54" N)		
Longitude	-67.483521 (67° 29' 0" W)		
Grid Square	FK68gj		
Bearing	168.6° SSE (from W1TR)		
Distance	1650.3 mi (2655.8 km)		
Long Path	23206.6 mi (37347.4 km)		
CQ Zone	8		
ULS Record	K5D		
Web Page	http://www.kp5.us		
QSL Info	VIA N200, PO BOX 345, TUCKERTON NJ 08087		
Uses LOTW?	Yes (e.g. Does this ham use ARRL's LOTW ?)		

History of QSLs – QSL Bureaus

- Wikipedia - <http://en.wikipedia.org/wiki/QSL>
- QSL is a written confirmation of a QSO
- QSL is a very individualized (approx) 3.5 by 5.5 inch card
- 1st QSL: 1916: 8VX in Buffalo, NY to 3TQ in Philadelphia, PA
- Usually delivered by US Mail or other courier
- **Problem: Postage Cost**
- Solution: QSL Manager
- **Solution: DX QSL Bureaus (ARRL Incoming / Outgoing)**
- **Solution: Domestic QSL Bureaus, Problem: Regulations**
- Solution: LoTW, eQSL

QSL Bureaus

- ARRL Incoming QSL Bureau
<http://www.arrl.org/incoming-qsl-service>
- ARRL Outgoing QSL Bureau
<http://www.arrl.org/outgoing-qsl-service>
- Domestic QSL Bureaus (none)
- WF5E QSL Service
- Global QSL (new service)

ARRL Incoming QSL Bureau

- Organized by Call Area (W1, W2, etc)
- W1 QSL Bureau operated by YCCC
- **You** Provide 5 x 7-1/2 or 6 x 9 inch SASEs to Incoming Bureau (but not W1 / YCCC)
- **Or You** Provide funds and the bureau will provide SASEs and stamps
- Check list at <http://www.arrl.org/incoming-qsl-service>

W1 - QSL Bureau (YCCC)

- www.yccc.org/Resources/W1QSLburo.htm
- W1QSL@yccc.org
- W1 QSL Bureau, PO Box 7388, Milford, MA 01757-7388
- Tries to send out cards about six times per year
- W1 QSL Bureau **does not accept stamps or envelopes**
- Requires that you **send money credits** rather than SASEs
- **Checks** should be made out to W1 QSL BUREAU
- Payments may be made by PAYPAL (**5% fee**)
- Individual sorters (50+) are spread throughout New England
- Not required to be an ARRL (or YCCC) member to use it

ARRL Outgoing QSL Bureau Rules

- Enclose proof of your current **ARRL membership**
 - copy or cut-out of the address area on QST
 - copy of your current membership card
- Presort DX QSLs alphabetically by parent callsign prefix (AP, CE, DL, ES, etc)
- Sort Canadian / Australian cards by numerical callsign (VE1, VE2, VE3 & VK1, VK2, VK3 etc)
- Some countries have parent prefix and additional prefixes, i.e. G (parent prefix) = M, 2E, 2I, 2M, 2W
- Keep country's prefixes grouped with the parent prefix in your alphabetical stack
- Cards to foreign QSL managers, sort using manager's callsign
- OK to Send Cards to USA based QSL Managers for Foreign DX
- Mailing **address not required**

ARRL Outgoing QSL Bureau Rates

- Rates:
 - \$2 for 10 or fewer cards in one envelope,
 - \$3 for 11-20 cards in one envelope, or
 - 75 cents per ounce 21 or more cards.
- Pay by check (money order), write callsign on check
- Ship To:

ARRL Outgoing QSL Service
225 Main Street
Newington, CT 06111
- Some countries **not served** by ARRL Outgoing QSL Bureau
(see list on ARRL WEB)
- QSL Bureaus in Some Countries Require DX Station Membership

QSL Card Sizes and Marking

- Cards of unusual dimensions slow the work of the Bureaus
- Optimum Size (IARU Region 2 that includes USA):
Height 3-1/2 in. (90 mm), Width 5-1/2 in. (140 mm)
- Acceptable Size Range:
Height = 2-3/4 to 4-1/4 in. (70 to 110 mm),
Width = 4-3/4 to 6-1/4 in. (120 to 160 mm).
- Mark DX Callsign Prominently
- Mark QSL Card (when using QSL manager)
(if blank back) QSL Manager Call on back upper left with DX Call
(if not blank back) QSL Manager Call near DX station call
Sort by QSL Manager Call

Example QSL Card Marking



VIA: K1IED K - K1
TERRY GLAGOWSKI
25 Hnath Road
Ashford, CT 06278
U.S.A.

ITU Zone 08 CQ Zone 05 Grid FN31vw

CONNECTICUT

Windham County

W1TR

www.glagowski.org/Radio

CONFIRMING QSO WITH		DAY	MONTH	YEAR
KC4AAA		07-DEC-2010		
UTC	MHz	RST	2-WAY	QSL
0425z	14.243	59+10	USB	PSE

Good Luck with KC4USV

LZ1JZ PRINT
www.LZ1JZ.com

73, Terry

Domestic QSL Bureaus

- US Stations Send QSLs to Other US Stations
- Legal Status Questionable
due to federal regulations regarding bulk mailing of 1st class material
UPS and FedEx faced similar problems at first
- A number of these were tried in the 1960s
Problems with stations not having SASEs on hand at the QSL bureau
Uncertainty that your QSLs will really get delivered
Operations were unsuccessful, never really got off the ground
Problems with US Postal Regulations
- No Known Domestic QSL Bureaus Currently in Operation
- WF5E QSL Service – QSL Forwarding Service
<http://www.qsl.net/wf5e/>
- Global QSL – a service which will mail out QSLs when an ADIF file is uploaded.
<http://www.GlobalQSL.com/>
Cost is about \$0.10 per card + shipping rate
It appears to operate much like a custom QSL printing service

History of QSLs – eQSL / LoTW

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- **Solution: LoTW, eQSL**

eQSL Overview

- <http://www.eQSL.cc> (eQSL.com is a French Limosine Co.)
- Owned by [David L. Morris, N5UP](#), TX
- Not a "non-profit", some membership fees
- eQSL basic is free
- eQSL Bronze, Silver, Gold required for awards (has fee)
- Awards for DX, States, Grids, Prefixes (like ARRL/CQ)
- Supported by donations, advertising, commissions
- Authentication (AG) NOT as secure as LoTW using digital certificates / PKI, more vulnerable to counterfeiting
- eQSLs NOT accepted for ARRL, CQ awards
- **Graphical QSLs Print on Printer, View on Computer**

LoTW Overview

- Logbook of the World (LoTW) is a computerized system for submitting QSL info and getting QSLs and awards.
- QSLs are created when both stations submit matching QSL Info
- LoTW URL - <https://p1k.arrl.org/lotw> (need account, password)
- LoTW FAQs - <https://p1k.arrl.org/lotw/faq> (no logon required)
- LoTW Certificate Request Upload
 - <https://p1k.arrl.org/lotw/upload> (no logon required)
- LoTW Postcard Password Entry
 - <https://p1k.arrl.org/lotw/password> (no logon required)
- Who can use LoTW?
 - Anyone can submit log data to LoTW (once they have an account)
 - U.S. Amateurs must be ARRL members to receive DXCC, WAS, or VUCC awards
 - Foreign Amateurs can participate in awards regardless of ARRL membership
- How Much Does It Cost?
 - **No charge** for LoTW digital certificates (free signup)
 - **No charge** for submitting log data to LoTW (free QSLing), no excuse for QSLing 100%
 - Charge is levied **only when you apply for an award** using LoTW QSLs
 - There is a charge for the award itself, separate from LoTW charges

LoTW Cost Schedule

Payment Credit Fee Schedule

Payment Credits can be bought ahead of time or when you apply for an award, as-needed, per the following rate schedule:

Quantity	Per-QSL Price
0	\$ 0.25
50	\$ 0.225
100	\$ 0.20
250	\$ 0.175
500	\$ 0.15

If you wish to purchase Payment Credits now, you may do so here:

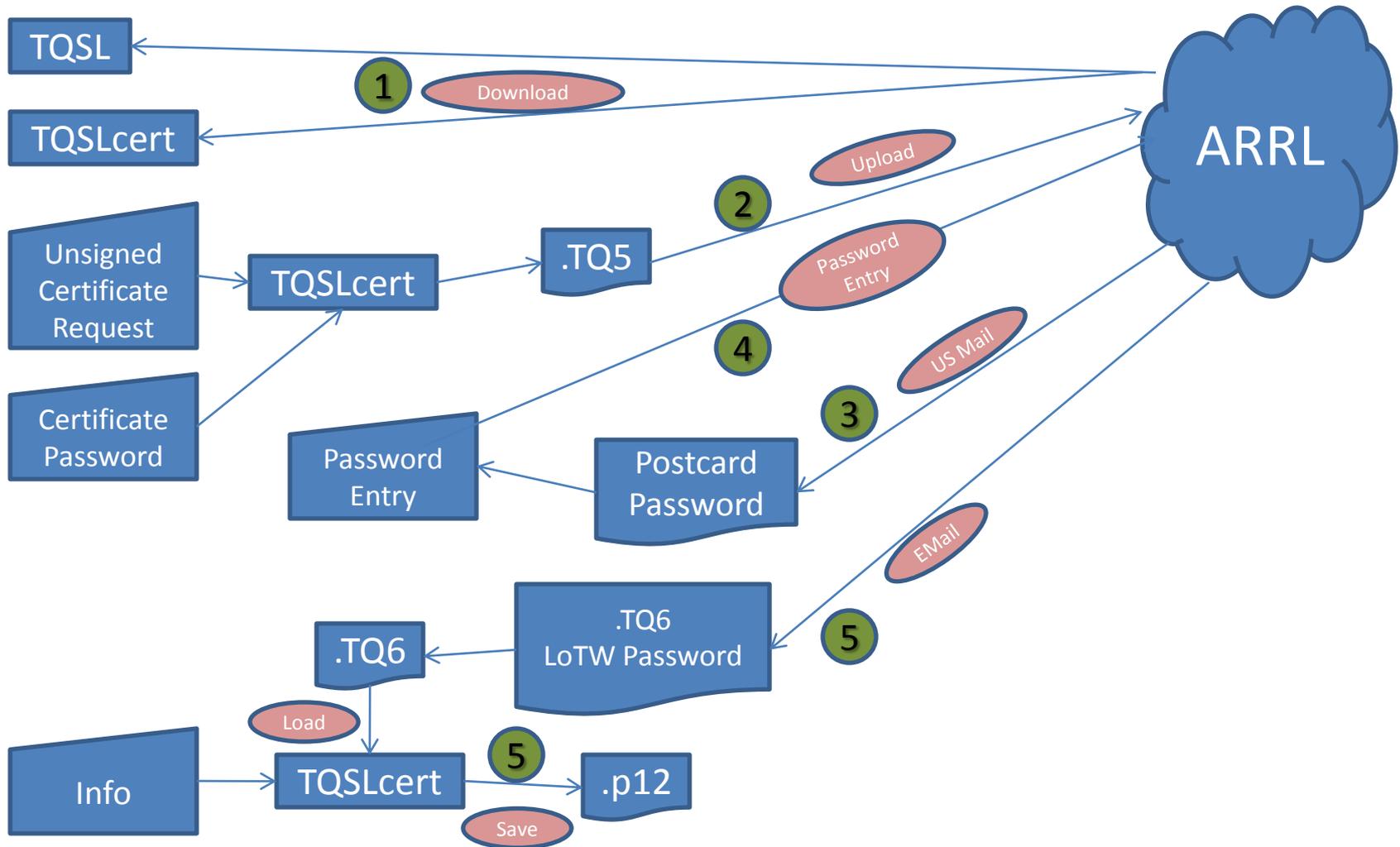
Number of credits wanted: (20 minimum)

Purchase Payment Credits

Getting Started with LoTW

- **You need an Internet Connection**
- Download and install the software
- Request a certificate key for your callsign
- Authenticate your location
- Load your certificate key (TQ6 file)
- Save your certificate (p12 file)
- Create station location(s) (call, location, time period)
- Sign and upload your log files

Diagram of Requesting Certificate



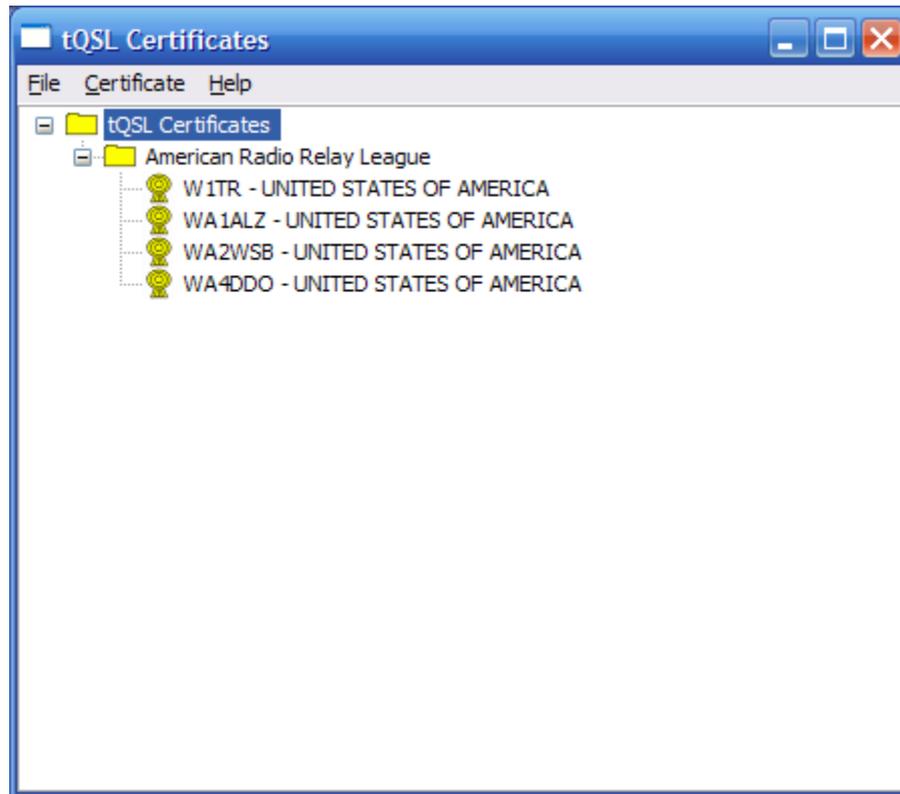
Software Download & Installation

- See ARRL WEB regarding LoTW Getting Started
 - Logbook of the world uses software called TrustedQSL.
 - The software is free to download and use.
 - Trusted QSL contains two programs TQSL Certificates and TQSL.
 - Trusted QSL works with MS Windows and Mac OSX.
 - If you are using anti-spyware programs such as Bit Defender you must configure your software to allow Trusted QSL to run

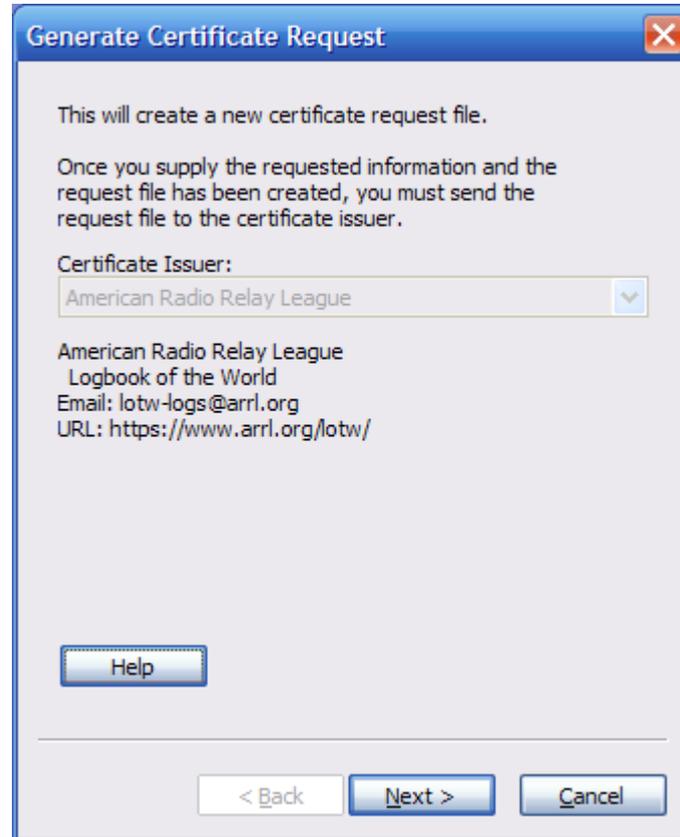
Request Certificate for your Callsign

- Logbook of The World uses private key – Public Key Encryption (PKI)
- The Trusted QSL software contains
 - Trusted QSL (TQSL)
 - Trusted QSL Certificates (TQSL CERT)
- Certificates are managed using the TQSL Cert Program
- Certificate Request (TQ5 file) for your callsign is sent to ARRL via WEB Upload
- Postcard with a password is sent to you by ARRL to the FCC database mailing address for your callsign method of authentication
- Use LoTW WEB and postcard password to request certificate key (TQ6 file),
- The TQ6 file is loaded into TQSL Cert Program to Create a Certificate (p12 file)
- See ARRL WEB, Getting Started Step 2, for detailed walk-thru instructions
- **Certificates expire every 3 Years for improved security (easy to renew)**
- **Using LoTW is far easier than signing up!**

TQSLcert – Display Certificates



TQSLcert – Generate Certificate Request



The screenshot shows a Windows-style dialog box titled "Generate Certificate Request". The dialog contains the following text and controls:

This will create a new certificate request file.

Once you supply the requested information and the request file has been created, you must send the request file to the certificate issuer.

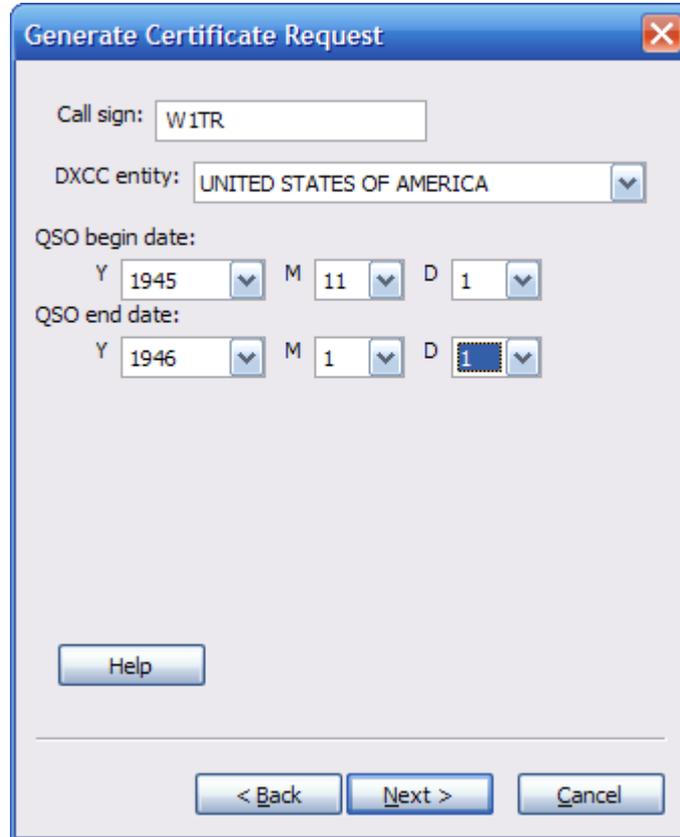
Certificate Issuer:
American Radio Relay League

American Radio Relay League
Logbook of the World
Email: lotw-logs@arrl.org
URL: <https://www.arrl.org/lotw/>

Help

< Back Next > Cancel

TQSLcert – Generate Certificate Request (2)



The screenshot shows a dialog box titled "Generate Certificate Request" with a close button (X) in the top right corner. The dialog contains the following fields and controls:

- Call sign:** A text input field containing "W1TR".
- DXCC entity:** A dropdown menu showing "UNITED STATES OF AMERICA".
- QSO begin date:** Three dropdown menus for Year (1945), Month (11), and Day (1).
- QSO end date:** Three dropdown menus for Year (1946), Month (1), and Day (1).
- Help:** A button located at the bottom left of the dialog.
- Navigation:** Three buttons at the bottom: "< Back", "Next >", and "Cancel".

TQSLcert – Generate Certificate Request (3)

Generate Certificate Request

Name

Address

City

State

Zip/Postal

Country

TQSLcert – Generate Certificate Request (4)

Generate Certificate Request

Your e-mail address
W1TR@ARRL.net

Note: The e-mail address you provide here is the address to which the issued certificate will be sent. Make sure it's the correct address!

Help

< Back Next > Cancel

TQSLcert – Generate Certificate Request (5)

Generate Certificate Request

You may protect your private key for this certificate using a password. Doing so is recommended.

Password:

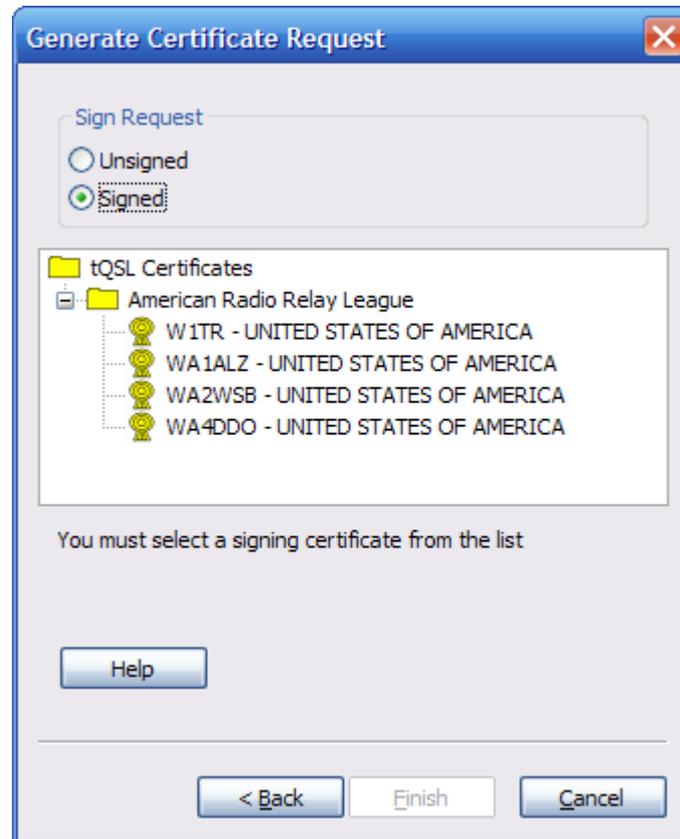
Enter the password again for verification:

DO NOT lose the password you choose!
You will be unable to use the certificate without this password!

Help

< Back Next > Cancel

TQSLcert – Generate Certificate Request .TQ5



Upload .TQ5 File to LoTW

THE ARRL



LOGBOOK OF THE WORLD™

YAESU
Choice of the World's top 100 users™
PRINCIPAL SPONSOR
of the LoTW Website

Today is Sun, 13 Mar 2011 UTC
You are W1TR
[Log Off](#)
You have 31,988 QSO records
You have 8,359 QSL records



Home Your QSOs Awards Find Call Upload File Your Account

Logbook File Upload

Here you can upload a log (.TQ8) or certificate-request (.TQ5) file.

File to Upload:

You can also submit files via email to lotw-logs@arrl.org.

Copyright 2011 American Radio Relay League, Inc.
All Rights Reserved

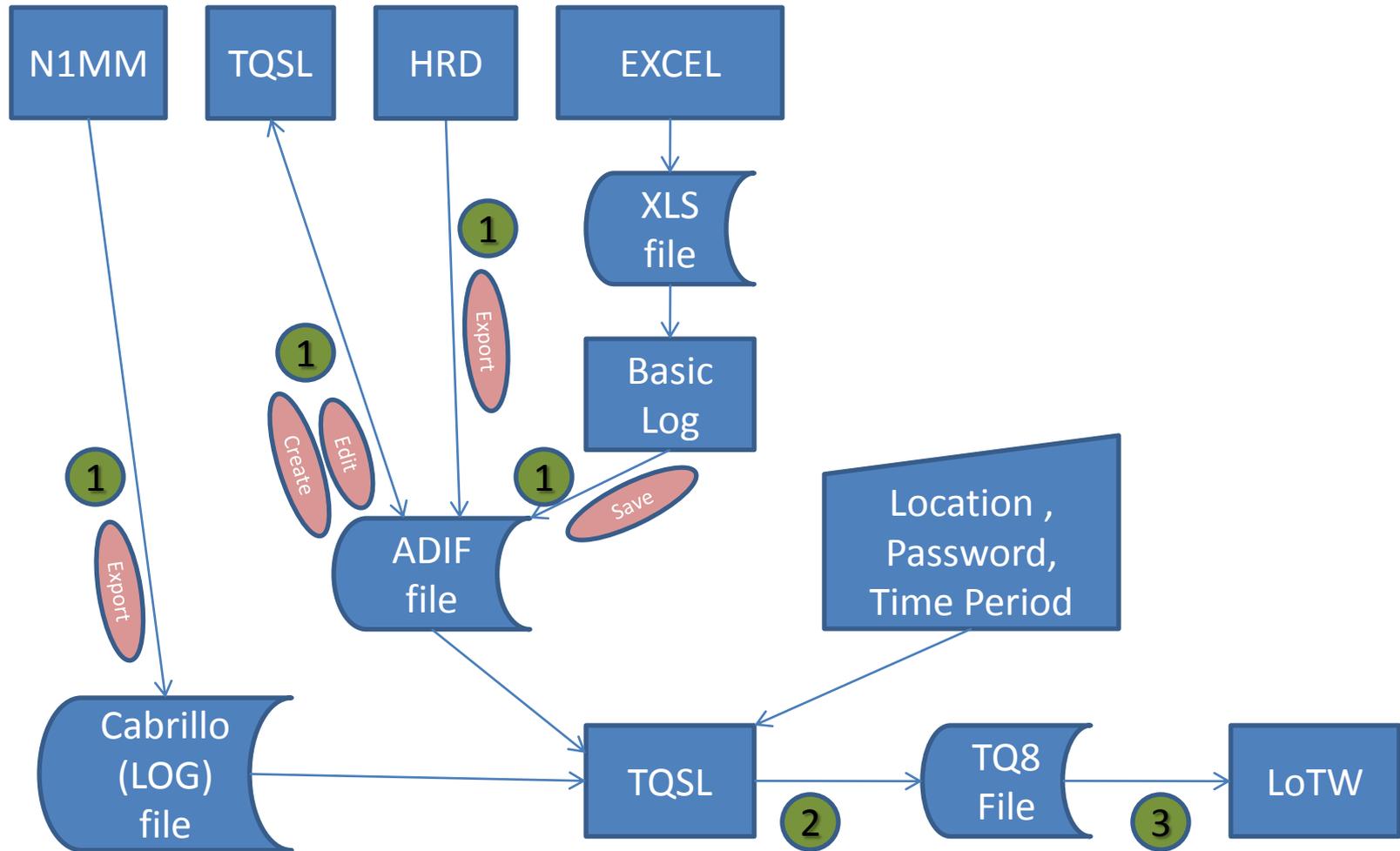
Multiple Callsigns / Locations

- Once you have your certificate for your current callsign, you may request certificates for previous callsigns.
- You can setup a Station Location for each callsign / location / time period to establish that information in your LoTW QSLs.
- Suggest you use Callsign / Grid Locator / Time Period for Setting Up Locations

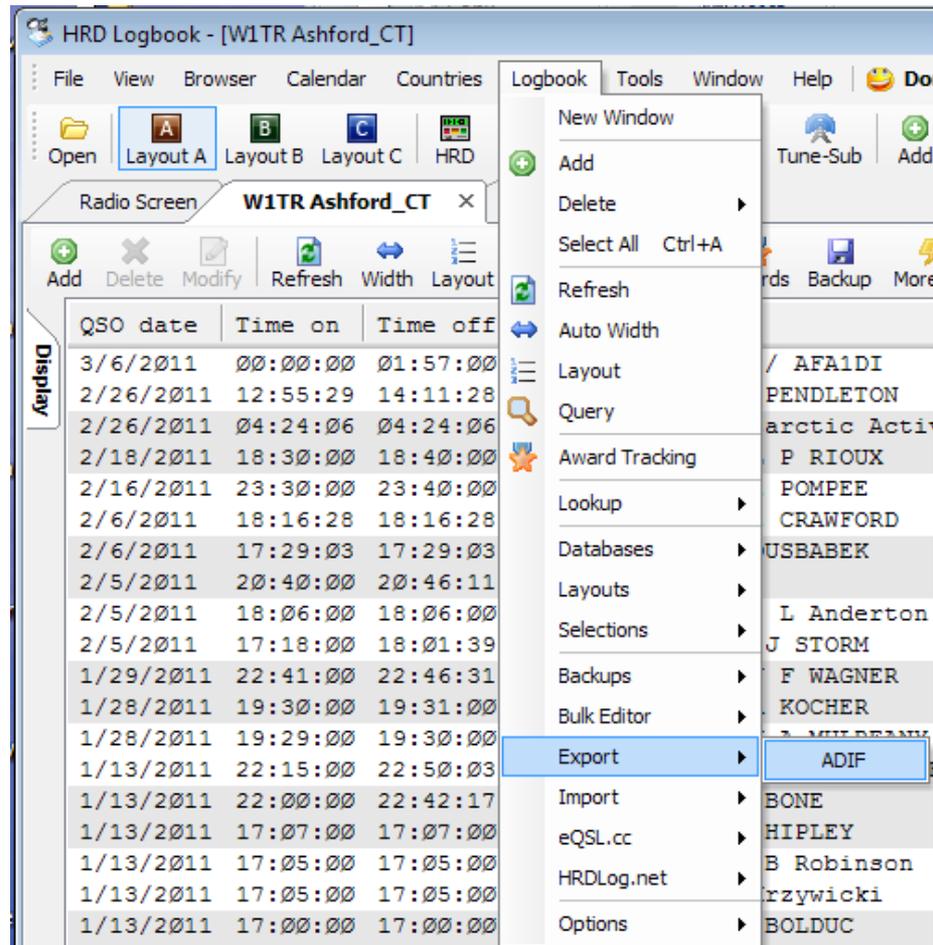
Submitting Logs

- Create an ADIF or Cabrillo File using your logging program (N1MM, HRD, Logger32, DXLAB, DX4WIN, etc) using the EXPORT function.
- Or Use MS EXCEL and Basic Log to generate ADIF.
- Or Use TQSL to Create an ADIF file.
- Use TQSL to sign and encrypt the ADIF or Cabrillo file to create a TQ8 file
- QSO info comes from the log, QTH info comes from the Call, Location, Time Period you have established for TQSL.
- Upload the TQ8 file using LoTW WEB

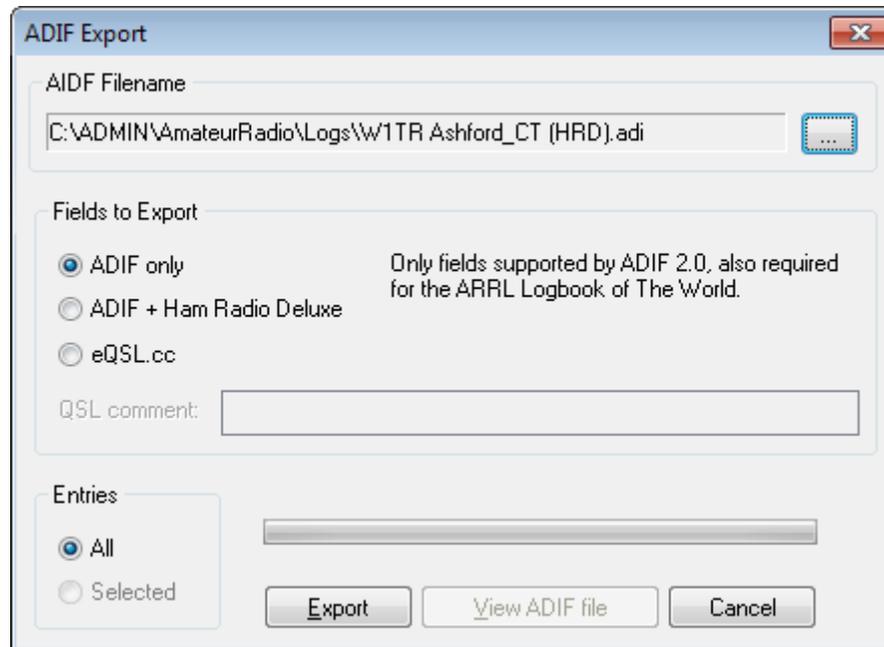
Diagram of Submitting Logs



HRD - Saving ADIF File



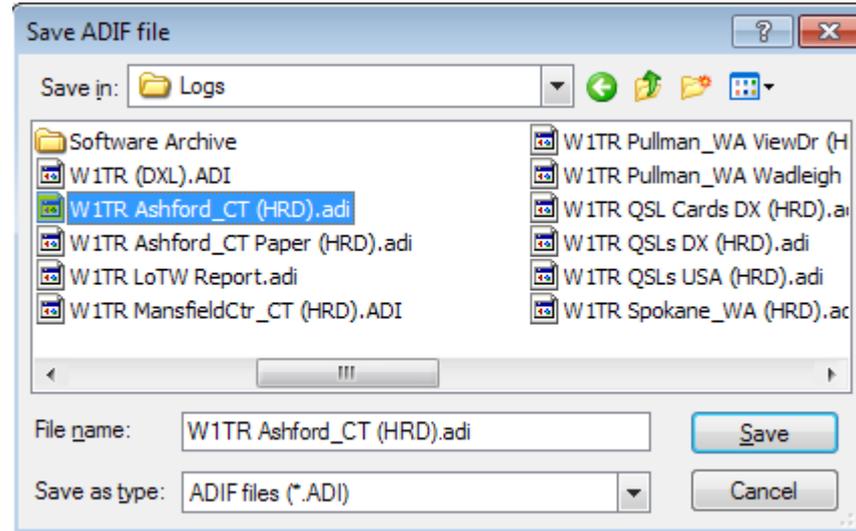
HRD - Select ADIF Filename



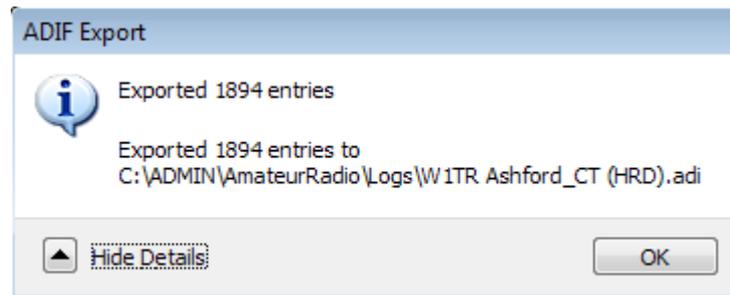
The image shows a screenshot of the "ADIF Export" dialog box in the HRD software. The dialog has a title bar with "ADIF Export" and a close button. It contains the following elements:

- AIDF Filename:** A text field containing the path "C:\ADMIN\AmateurRadio\Logs\W1TR Ashford_CT (HRD).adi" and a browse button (three dots in a square).
- Fields to Export:** Three radio button options:
 - ADIF only: Accompanied by the text "Only fields supported by ADIF 2.0, also required for the ARRL Logbook of The World."
 - ADIF + Ham Radio Deluxe
 - eQSL.cc
- QSL comment:** A text input field.
- Entries:** Two radio button options:
 - All
 - Selected
- Buttons:** "Export", "View ADIF file", and "Cancel" buttons at the bottom.

HRD – ADIF Filename Select



HRD – ADIF File Save Results



TQSL - Enter / Edit QSOs in ADIF File

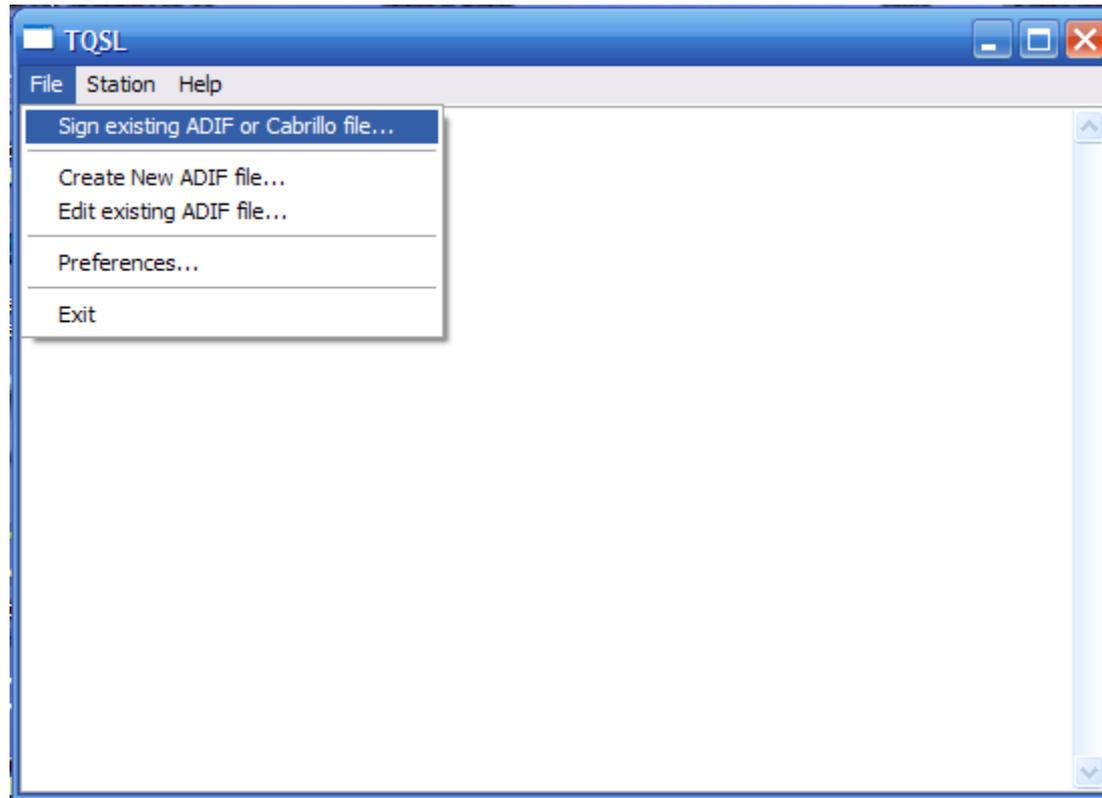
The screenshot shows a dialog box titled "QSO Data" with a close button in the top right corner. The dialog contains the following fields and controls:

- Call Sign: LJ8CA
- UTC Date (YYYY-MM-DD): 2005-05-27
- UTC Time (HHMM): 21:45:14Z
- Mode: SSB (dropdown menu)
- Band: 17M (18.068-18.168 MHz) (dropdown menu)
- RX Band: NONE (dropdown menu)
- Frequency: 18.131000
- RX Frequency: (empty text box)
- Propagation Mode: NONE (dropdown menu)
- Satellite: NONE (dropdown menu)

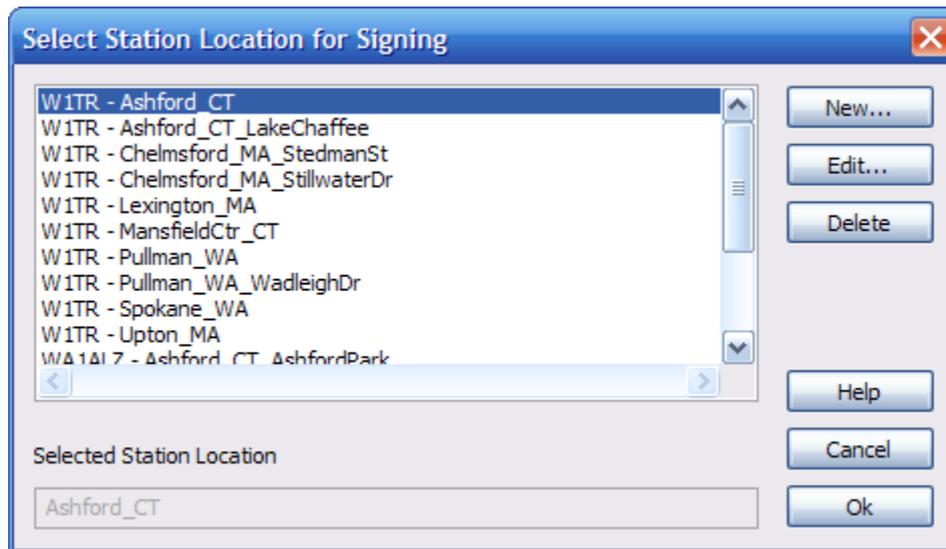
Below these fields, there is a section for "1893 QSO Records" with navigation controls: a left arrow, a right arrow, a text box containing "1893", and another left and right arrow. Below the navigation controls are two buttons: "Add QSO" and "Delete".

At the bottom of the dialog are three buttons: "Help", "Cancel", and "Ok".

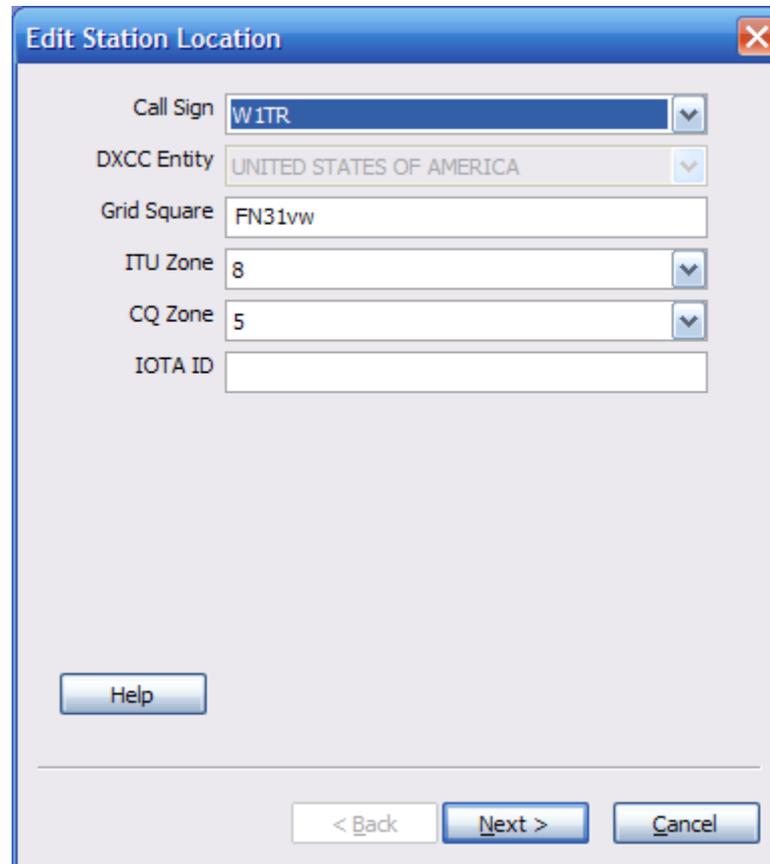
TQSL - Digitally Sign Log



TQSL – Select Station Location



TQSL – Creating / Editing Locations (1)



The image shows a screenshot of the 'Edit Station Location' dialog box in the TQSL software. The dialog box has a blue title bar with the text 'Edit Station Location' and a close button (X) in the top right corner. The main area contains several input fields and dropdown menus:

- Call Sign:** A dropdown menu with 'W1TR' selected.
- DXCC Entity:** A dropdown menu with 'UNITED STATES OF AMERICA' selected.
- Grid Square:** A text input field containing 'FN31vw'.
- ITU Zone:** A dropdown menu with '8' selected.
- CQ Zone:** A dropdown menu with '5' selected.
- IOTA ID:** An empty text input field.

At the bottom left, there is a 'Help' button. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

TQSL – Creating / Editing Locations (3)

Station Data input complete

Select or enter name of this station location

- MansfieldCtr_CT (W1TR)
- Orangeburg_SC (WA1ALZ)
- Ashford_CT (W1TR)
- Upton_MA (W1TR)
- Spokane_WA (W1TR)
- Pullman_WA (W1TR)
- Pullman_WA_WadleighDr (W1TR)
- Chelmsford_MA_StedmanSt (W1TR)
- Chelmsford_MA_StillwaterDr (W1TR)
- Lexington_MA (W1TR)
- Valdosta_GA (WA4DDO)
- Ashford_CT_LakeChaffee (W1TR)

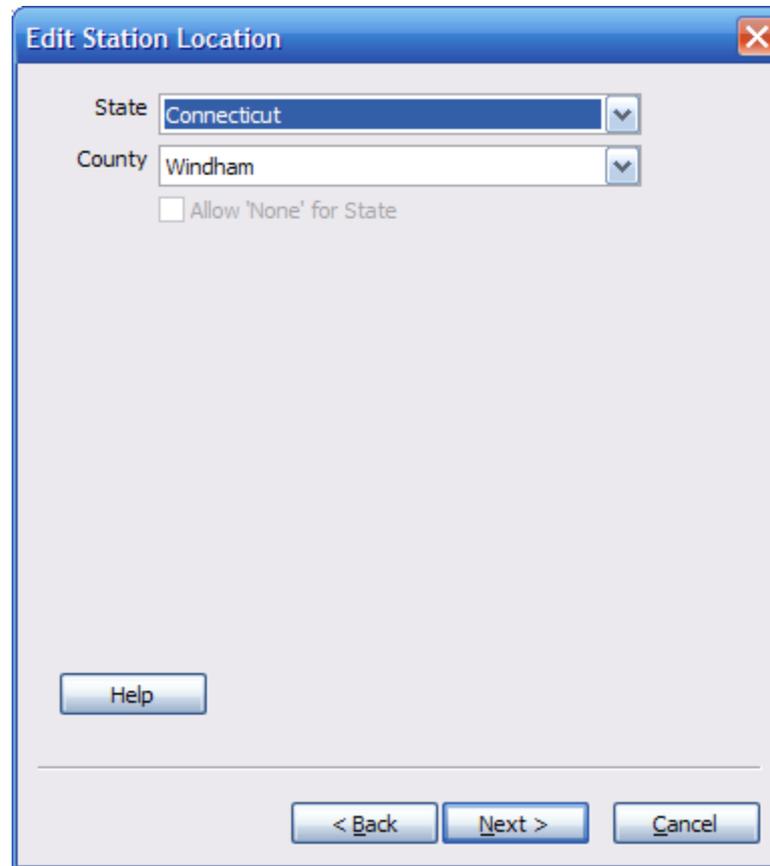
Station Location Name

Ashford_CT

Help

< Back Finish Cancel

TQSL – Creating / Editing Locations (2)



The image shows a software dialog box titled "Edit Station Location". It features two dropdown menus: "State" with "Connecticut" selected and "County" with "Windham" selected. Below these is an unchecked checkbox labeled "Allow 'None' for State". At the bottom left is a "Help" button, and at the bottom right are three buttons: "< Back", "Next >", and "Cancel".

State: Connecticut

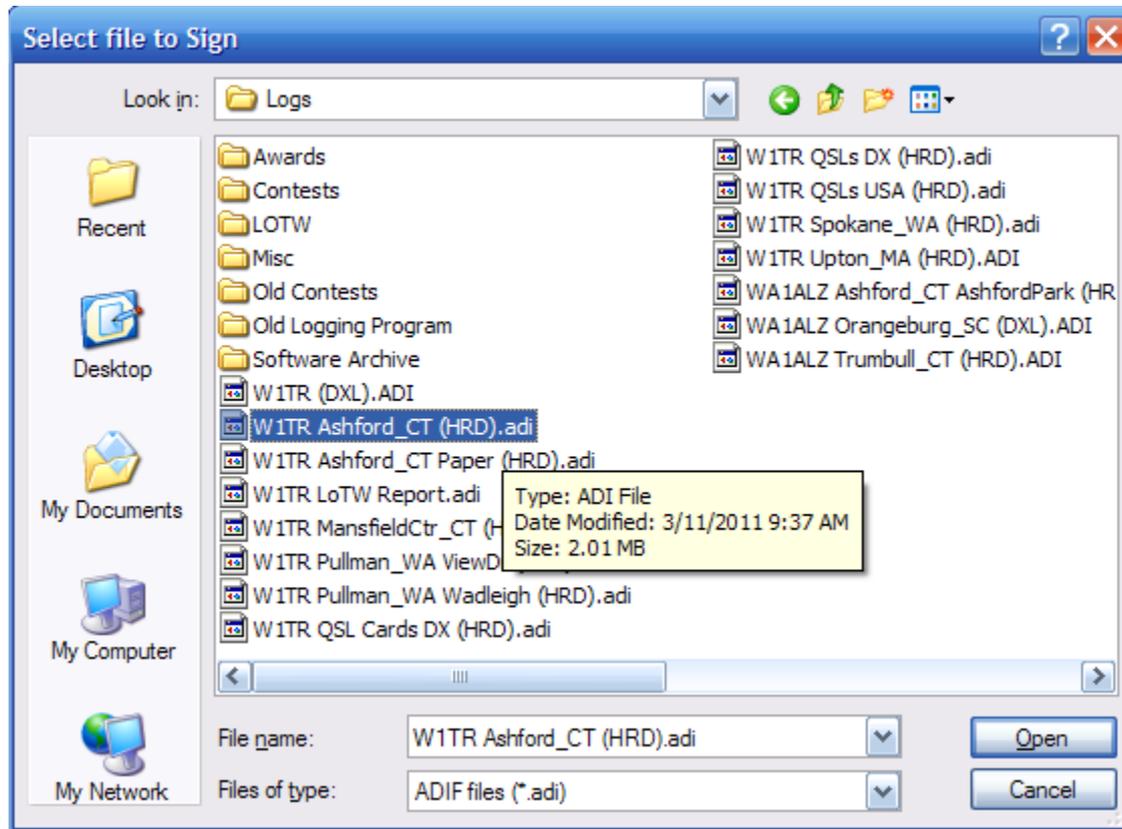
County: Windham

Allow 'None' for State

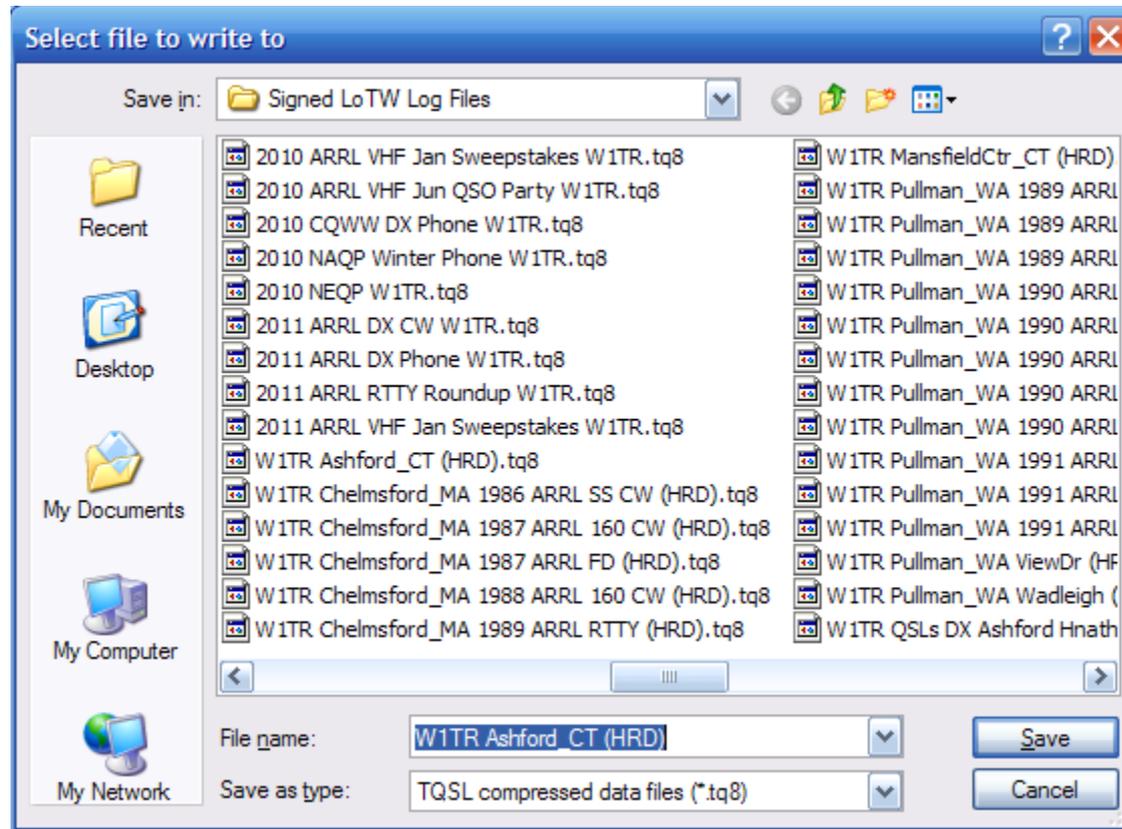
Help

< Back Next > Cancel

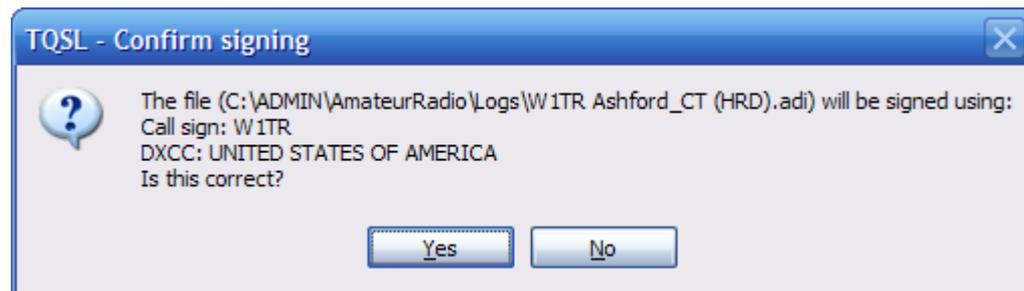
TQSL – Select ADIF / Cabrillo



TQSL – Select TQ8 Filename



TQSL – Confirm Your Call



LoTW – Check for Last Update

Logbook Web Account Menu

- Your Activity**
- Your Certificates
- Change Password
- Account Settings
- Your Messages
- Payment Credits

Your Logbook Account

Use the menu on the left to view or change your Logbook account information.

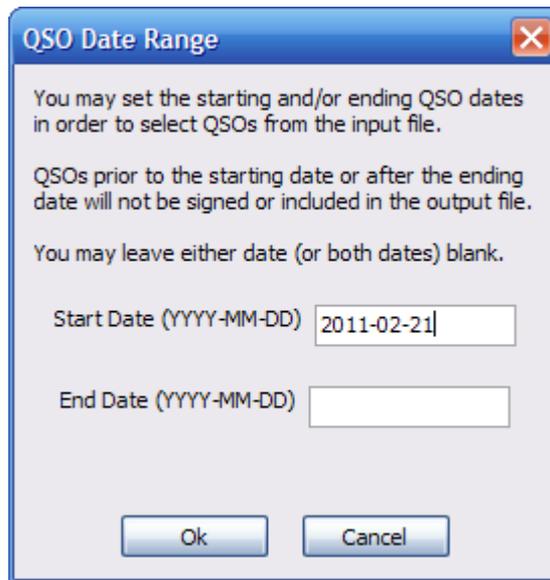
Your Activity

This shows your submitted files that have been processed by Logbook of the World.

Date/Time	Via	File Processed	
2011-03-07 00:39:21	Web	2011 ARRL DX Phone W1TR.tq8	Result
2011-02-21 18:11:48	Web	W1TR Ashford_CT (HRD).tq8	Result
2011-02-21 05:34:26	Web	2011 ARRL DX CW W1TR.tq8	Result
2011-02-06 16:32:32	Web	W1TR Ashford_CT (HRD5).tq8	Result
2011-01-24 04:15:11	Web	2011 ARRL VHF Jan Sweepstakes W1TR.tq8	Result
2011-01-10 01:01:09	Web	2011 ARRL RTTY Roundup W1TR.tq8	Result
2010-12-27 17:37:48	Web	W1TR Ashford_CT (HRD).tq8	Result
2010-12-13 00:29:07	Web	2010 ARRL 10 W1TR.tq8	Result
2010-12-05 17:26:02	Web	2010 ARRL 160 CW W1TR.tq8	Result
2010-11-25 18:39:03	Web	W1TR Ashford_CT (HRD).tq8	Result



TQSL – Select Date Range



QSO Date Range

You may set the starting and/or ending QSO dates in order to select QSOs from the input file.

QSOs prior to the starting date or after the ending date will not be signed or included in the output file.

You may leave either date (or both dates) blank.

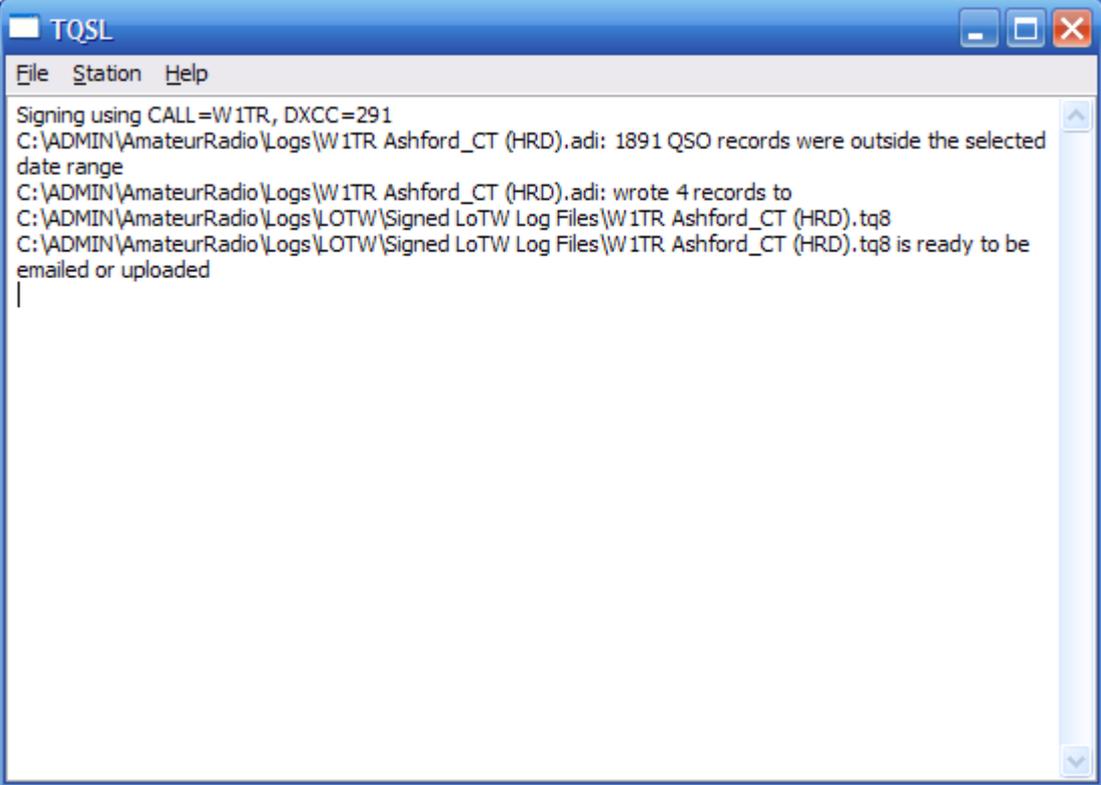
Start Date (YYYY-MM-DD)

End Date (YYYY-MM-DD)

TQSL – Enter Password



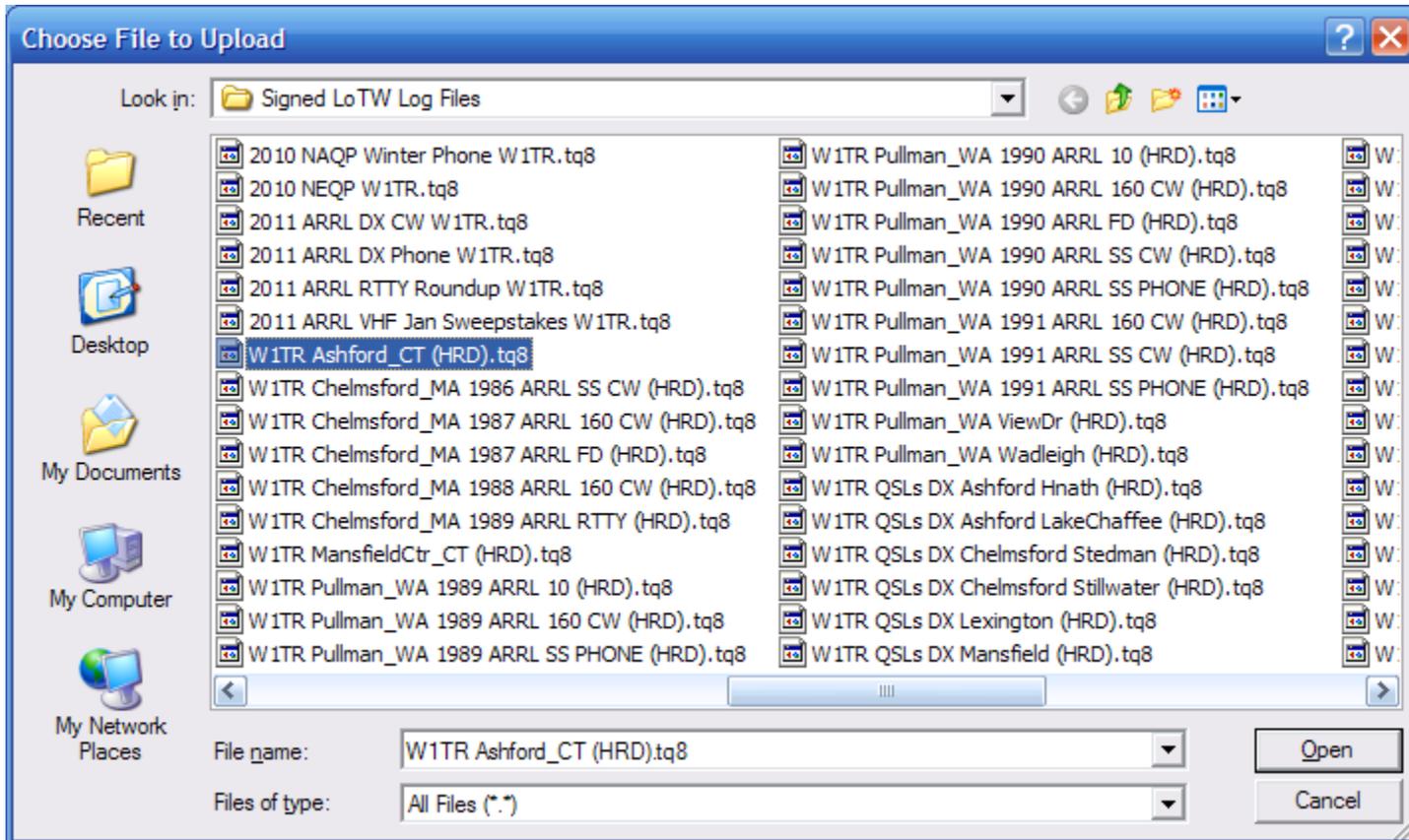
TQSL – Results of Processing



The screenshot shows a window titled "TQSL" with a menu bar containing "File", "Station", and "Help". The main text area displays the following output:

```
Signing using CALL=W1TR, DXCC=291
C:\ADMIN\AmateurRadio\Logs\W1TR Ashford_CT (HRD).adi: 1891 QSO records were outside the selected
date range
C:\ADMIN\AmateurRadio\Logs\W1TR Ashford_CT (HRD).adi: wrote 4 records to
C:\ADMIN\AmateurRadio\Logs\LOTW\Signed LoTW Log Files\W1TR Ashford_CT (HRD).tq8
C:\ADMIN\AmateurRadio\Logs\LOTW\Signed LoTW Log Files\W1TR Ashford_CT (HRD).tq8 is ready to be
emailed or uploaded
|
```

LoTW – Select File to Upload



LoTW – Upload File

Join ARRL!
Join or Renew Today



Home Your QSOs Awards Find Call Upload File Your Account

Logbook File Upload

Here you can upload a log (.TQ8) or certificate-request (.TQ5) file.

File to Upload:

You can also submit files via email to lotw-logs@arrl.org.

LoTW – Check Upload Status

The Diamond Terrace at ARRL
Bricks and Benches available!

[Home](#) [Your QSOs](#) [Awards](#) [Find Call](#) [Upload File](#) [Your Account](#)

Logbook Web Account Menu

- [Your Activity](#)
- [Your Certificates](#)
- [Change Password](#)
- [Account Settings](#)
- [Your Messages](#)
- [Payment Credits](#)

Your Logbook Account

Use the menu on the left to view or change your Logbook account information.

Your Activity

This shows your submitted files that have been processed by Logbook of the World.

Date/Time	Via	File Processed	
2011-03-11 15:29:02	Web	W1TR Ashford_CT (HRD).tq8	Result
2011-03-07 00:39:21	Web	2011 ARRL DX Phone W1TR.tq8	Result
2011-02-21 18:11:48	Web	W1TR Ashford_CT (HRD).tq8	Result
2011-02-21 05:34:26	Web	2011 ARRL DX CW W1TR.tq8	Result
2011-02-06 16:32:32	Web	W1TR Ashford_CT (HRD5).tq8	Result
2011-01-24 04:15:11	Web	2011 ARRL VHF Jan Sweepstakes W1TR.tq8	Result
2011-01-10 01:01:09	Web	2011 ARRL RTTY Roundup W1TR.tq8	Result
2010-12-27 17:37:48	Web	W1TR Ashford_CT (HRD).tq8	Result

LoTW – Check Processing Status



The header features the Yaesu logo on the left, which includes a stylized red and black graphic and the text 'YAESU'. To the right of the logo is a navigation menu with six yellow buttons: 'Home', 'Your QSOs', 'Awards', 'Find Call', 'Upload File', and 'Your Account'.

Logbook Activity Record

Date/Time: 2011-03-11 15:29:02
User: w1tr
File: W1TR Ashford_CT (HRD).tq8

Messages:

```
2011-03-11 15:29:02 LOTW_QSO: Processing file: msg-24753-1.tq8
2011-03-11 15:29:02 LOTW_QSO: User file: W1TR Ashford_CT (HRD).tq8
2011-03-11 15:29:02 LOTW_QSO: Certificate found for W1TR - UNITED STATES OF AMERICA (291)
2011-03-11 15:29:03 LOTW_QSO: Successfully processed 2 QSO records in 1.312548 seconds
2011-03-11 15:29:03 LOTW_QSO: No errors encountered
```

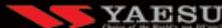
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LoTW - Home

THE ARRL



LOGBOOK
OF THE WORLD™



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Today is Thu, 10 Mar 2011 UTC
You are W1TR
[Log Off](#)
You have 31,986 QSO records
You have 8,342 QSL records



Home	Your QSOs	Awards	Find Call	Upload File	Your Account
------	-----------	--------	-----------	-------------	--------------

Logbook Users' Home Page

Welcome to the Logbook of the World!

Report problems [here](#)

Looking for your certificate? Click **Your Account** in the menu above.

News and Notes

Mar 3, 2011: DXCC New Year 2011 -- Bill Moore popped the cork on the champagne today and we spent 3 minutes celebrating the completion of 2010's DXCC processing and started-in on 2011.

The biggest changes include the deletions of the Netherlands Antilles entities and the addition of the four new entities (PJ2, PJ4, PJ5/6, and PJ7) to the system. It will take some time for all the changes to appear throughout the system.

TrustedQSL Status

Current *TrustedQSL* software version: 1.13
[\(Download\)](#)

Logbook Status

331,819,581	QSO records have been entered into the system.
38,541,117	QSL records have resulted.
39,240	Users are registered in the system
59,146	Certificates are active
1,971,568	User files have been processed

LoTW - Account Status

THE ARRL



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Today is Thu, 10 Mar 2011 UTC
You are **W1TR**
[Log Off](#)
You have **31,986** QSO records
You have **8,342** QSL records



With DX Engineering
Transmitting and Receiving Systems



Home Your QSOs Awards Find Call Upload File Your Account

Logbook Web Account Menu

- Your Activity
- Your Certificates
- Change Password
- Account Settings
- Your Messages
- Payment Credits

Your Logbook Account

Use the menu on the left to view or change your Logbook account information.

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LoTW - Account Activity

Logbook Web Account Menu	Your Logbook Account
Your Activity	Use the menu on the left to view or change your Logbook account information.
Your Certificates	
Change Password	Your Activity
Account Settings	This shows your submitted files that have been processed by Logbook of the World.
Your Messages	
Payment Credits	

Date/Time	Via	File Processed	
2011-03-07 00:39:21	Web	2011 ARRL DX Phone W1TR.tq8	Result
2011-02-21 18:11:48	Web	W1TR Ashford_CT (HRD).tq8	Result
2011-02-21 05:34:26	Web	2011 ARRL DX CW W1TR.tq8	Result
2011-02-06 16:32:32	Web	W1TR Ashford_CT (HRD5).tq8	Result
2011-01-24 04:15:11	Web	2011 ARRL VHF Jan Sweepstakes W1TR.tq8	Result
2011-01-10 01:01:09	Web	2011 ARRL RTTY Roundup W1TR.tq8	Result
2010-12-27 17:37:48	Web	W1TR Ashford_CT (HRD).tq8	Result
2010-12-13 00:29:07	Web	2010 ARRL 10 W1TR.tq8	Result
2010-12-05 17:26:02	Web	2010 ARRL 160 CW W1TR.tq8	Result
2010-11-25 18:39:03	Web	W1TR Ashford_CT (HRD).tq8	Result
2010-11-22 03:52:17	Web	2010 ARRL SS Phone W1TR.tq8	Result
2010-11-11 03:48:02	Web	2010 CQWW DX Phone W1TR.tq8	Result
2010-11-09 03:35:00	Web	2010 ARRL SS CW W1TR.tq8	Result
2010-11-09 03:25:13	Web	2010 ARRL SS CW W1TR.tq8	Result
2010-10-16 21:20:03	Web	W1TR Ashford_CT (HRD).tq8	Result
2010-09-14 00:18:02	Web	2010 ARRL Sep VHF QSO Party W1TR.tq8	Result
2010-09-06 18:38:01	Web	W1TR Ashford_CT (HRD).tq8	Result
2010-08-13 23:22:03	Web	2010 ARRL UHF QSO Party W1TR.tq8	Result

LoTW - QSL Results

Logbook Activity Record

Date/Time: 2011-03-07 00:39:21

User: w1tr

File: 2011 ARRL DX Phone W1TR.tq8

Messages:

```
2011-03-07 00:39:21 LOTW_QSO: Processing file: msg-30669-1.tq8
2011-03-07 00:39:21 LOTW_QSO: User file: 2011 ARRL DX Phone W1TR.tq8
2011-03-07 00:39:21 LOTW_QSO: Certificate found for W1TR - UNITED STATES OF AMERICA (291)
2011-03-07 00:39:23 LOTW_QSO: QSO record QSLs a contact
2011-03-07 00:39:23 LOTW_QSO:   QSO: W1TR PY2XC 2011-03-06 15:48:00Z 10M PHONE
2011-03-07 00:39:24 LOTW_QSO: QSO record QSLs a contact
2011-03-07 00:39:24 LOTW_QSO:   QSO: W1TR WP4SK 2011-03-06 17:45:00Z 10M PHONE
2011-03-07 00:39:25 LOTW_QSO: QSO record QSLs a contact
2011-03-07 00:39:25 LOTW_QSO:   QSO: W1TR PV8ABC 2011-03-06 20:44:00Z 10M PHONE
2011-03-07 00:39:27 LOTW_QSO: Successfully processed 200 QSO records in 6.491954 seconds
2011-03-07 00:39:27 LOTW_QSO: 3 QSL records entered
2011-03-07 00:39:27 LOTW_QSO: No errors encountered
```

LoTW – Selecting QSOs / QSLs to View

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Today is Thu, 10 Mar 2011 UTC
You are W1TR
[Log Off](#)
You have 31,986 QSO records
You have 8,342 QSL records



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Home Your QSOs Awards Find Call Upload File Your Account

QSOs Menu
Query
Download Report
Statistics

Your QSOs

QSO Query

Most recent QSO record received 2011-03-07 00:39:27Z

Select QSOs to List		Submit Query Form
Call sign worked: <input type="text"/>	May use wildcards (? and *)	<input type="button" value="Submit"/>
Your call sign: - Any -		Common Queries
Starting Date: <input type="text"/>	Time: <input type="text"/>	<input type="button" value="Most Recent QSLs"/>
YYYY-MM-DD	HHMM	<input type="button" value="Most Recent QSOs"/>
Ending Date: <input type="text"/>	Time: <input type="text"/>	
YYYY-MM-DD	HHMM	
Mode: - Any -	Band: - Any -	
<input type="checkbox"/> Show confirmed QSOs only		
DXCC Entity: - Any -		
Sort by QSO Date	<input type="checkbox"/> Descending	
<input type="button" value="Clear Form"/>		
Award Account		
- None -		

LoTW - Viewing QSLs

Choice of the World's top DX'ersSM

[Home](#)
[Your QSOs](#)
[Awards](#)
[Find Call](#)
[Upload File](#)
[Your Account](#)

Your QSOs

QSO Query

QSOs Menu

[Query](#)
[Download Report](#)
[Statistics](#)

[New Query](#)

25 Records Shown (1-25)
 Sorted by QSL Date (1.100071 seconds elapsed)

	Call sign	Worked	Date/Time	Band	Mode	Freq	QSL
Details	W1TR	KP4ED	2008-01-06 16:42:00	15M	RTTY	21083	PUERTO RICO
Details	W1TR	NP3CW	2011-03-06 23:01:00	15M	PHONE	21411	PUERTO RICO
Details	W1TR	P49Y	2011-03-06 23:08:00	20M	PHONE	14188	ARUBA
Details	W1TR	P49Y	2011-03-06 22:11:00	15M	PHONE	21325	ARUBA
Details	W1TR	P49Y	2011-03-06 16:08:00	10M	PHONE	28433	ARUBA
Details	W1TR	RA4LW	2010-12-05 02:11:00	160M	CW	1855	EUROPEAN RUSSIA
Details	W1TR	KL7RA	2011-03-06 22:56:00	15M	PHONE	21375	ALASKA
Details	W1TR	K4DJG	2009-01-04 16:18:00	40M	RTTY	7062	UNITED STATES OF AMERICA
Details	W1TR	K4DJG	2009-01-04 05:28:00	80M	RTTY	3543	UNITED STATES OF AMERICA
Details	W1TR	TM6M	2011-03-06 23:53:00	40M	PHONE	7160	FRANCE
Details	W1TR	W6RKC	2010-11-07 19:03:00	15M	CW	21044	UNITED STATES OF AMERICA
Details	W1TR	LU6FOV	2010-12-11 20:18:00	10M	PHONE	28465	ARGENTINA
Details	W1TR	PV2T	2011-03-06 23:36:00	20M	PHONE	14305	BRAZIL
Details	W1TR	W6KY	2005-11-06 21:55:00	10M	CW		UNITED STATES OF AMERICA
Details	W1TR	W3YY	2010-11-07 03:35:00	80M	CW	03534	UNITED STATES OF AMERICA
Details	W1TR	WB3IGR	2010-08-08 02:59:00	70CM	PHONE	432	UNITED STATES OF AMERICA
Details	W1TR	W6YI	2010-11-06 22:23:00	15M	CW	21030	UNITED STATES OF AMERICA
Details	W1TR	WD5COV	2010-12-04 06:21:00	160M	CW	1863	UNITED STATES OF AMERICA
Details	W1TR	PY2HL	2011-03-06 20:40:00	10M	PHONE	28472	BRAZIL

[Next](#)

LoTW - Viewing QSL Detail

QSO Detail

Station

Call Sign W1TR
DXCC UNITED STATES OF AMERICA
CQ Zone 5
ITU Zone 8
Grid FN31ww
State CT
County WINDHAM

Worked Station

Worked P49Y
DXCC ARUBA (91)
CQ Zone 9
ITU Zone 11
IOTA SA-036
Date/Time 2011-03-06 23:08:00
Mode PHONE (PHONE)
Band 20M
Frequency 14188
QSL [2011-03-10 05:54:57](#)

Record ID 330516664 **Received:** 2011-03-07 00:39:26

LoTW - Viewing Awards

Join ARRL!
Join or Renew Today



[Home](#) [Your QSOs](#) [Awards](#) [Find Call](#) [Upload File](#) [Your Account](#)

Logbook Awards

Your LoTW ARRL DXCC (DX Century Club) Account(s)

For an overview of LoTW DXCC support, see [Applying for DXCC Credits with Logbook of the World](#).

W1TR - UNITED STATES OF AMERICA ▾
Select DXCC Award Account

Your LoTW ARRL WAS (Worked All States) Account(s)

W1TR-Ashford ▾
Select WAS Award Account

Create New WAS Award Account

Your LoTW ARRL VUCC (VHF/UHF Century Club) Account(s)

W1TR Ashford ▾
Select VUCC Award Account

Create New VUCC Award Account

About Award Accounts

Award accounts are created either automatically as needed or when you create them, depending on the awards program:

- [DXCC](#) - Accounts created automatically
- [WAS](#) - Accounts created by you
- [VUCC](#) - Accounts created by you

For automatically created award accounts, when one of your QSOs gets matched (QSLed), a new award account is created if there is not an existing account that can be used.

DXCC Accounts

For DXCC, an account is created for each unique combination of call sign and DXCC Entity. For example, suppose W1AW had uploaded QSOs signed using certificates bearing these call signs and DXCC Entities:

- W1AW (USA)
- 1AW (USA) -- old call
- W1HQ (USA) -- club call
- W1AW/0 (USA) -- portable operation
- VE3/W1AW (Canada) -- expedition

As matching QSO records (QSLs) were uploaded from other stations, a DXCC award account would be created for each of these cases.

If you have more than one call sign in the same DXCC Entity, you can merge the accounts to make them one. For example, W1AW would probably choose to merge the W1AW (USA), 1AW (USA) and W1AW/0 (USA) accounts into one account. Under DXCC rules W1AW cannot claim credit for QSOs with a club call.

If you have an existing DXCC award, you can have your DXCC record linked to the corresponding LoTW DXCC award account.

Select an award account from the list and click **Select DXCC Award Account** to get started.

LoTW DXCC

Award Account Menu	Your Logbook DXCC Account (W1TR - UNITED STATES OF AMERICA)				
Account Status	Account Status				
Account Credits	Award	Selected	Applied	Awarded	Total / Current
Modify Account	Mixed *	28	0	111	139 / 133
Application	CW	26	0	81	107 / 104
Application History	Phone	40	0	51	91 / 90
	RTTY	18	0	35	53 / 52
	160M	20	0	34	54 / 53
	80M	21	0	45	66 / 65
	40M	22	0	49	71 / 68
	30M	5	0	1	6 / 4
	20M	21	0	70	91 / 88
	17M	4	0	4	8 / 8
	15M	36	0	37	73 / 72
	12M	2	0	0	2 / 2
	10M	19	0	19	38 / 37
	6M	6	0	4	10 / 10
	2M	0	0	1	1 / 1
	Challenge	156	0	259	--- / 407

* = Award has been issued

[View Award Credit Matrix](#)

This account includes credits for the following:

W1TR - UNITED STATES OF AMERICA
WA1ALZ - UNITED STATES OF AMERICA

This account is linked with DXCC record:

Terry G. Glagowski, W1TR

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 [Application](#)
- To view the present and past applications you have submitted, use [Application History](#).

LoTW WAS

Award Account Menu	Your Logbook WAS Account (W1TR-Ashford)				
Account Status	Account Status				
Account Credits	Award	Selected	Applied	Awarded	Total
Modify Account	Basic *	50	0	0	50
Application	160M *	50	0	0	50
Application History	80M	49	0	0	49
	40M	50	0	0	50
	30M	2	0	0	2
	20M	50	0	0	50
	17M	4	0	0	4
	15M	44	0	0	44
	10M	43	0	0	43
	6M	40	0	0	40
	2M	12	0	0	12
	70CM	11	0	0	11
	CW *	50	0	0	50
	Phone	50	0	0	50
	Digital	7	0	0	7
	Digital-PSK31	15	0	0	15
	RTTY	50	0	0	50
	160M Phone	14	0	0	14
	160M CW *	50	0	0	50
	80M Phone	27	0	0	27
	80M CW	48	0	0	48
	80M PSK31	9	0	0	9
	80M RTTY	46	0	0	46
	40M Phone	24	0	0	24
	40M CW	47	0	0	47
	40M RTTY	48	0	0	48

This account is linked with WAS record:

Terry Glagowski, W1TR

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.

LoTW VUCC

Today is Thu, 10 Mar 2011 UTC

You are **W1TR**

[Log Off](#)

You have **31,986** QSO records

You have **8,342** QSL records



- Home
- Your QSOs
- Awards
- Find Call
- Upload File
- Your Account

- Award Account Menu
- Account Status
- Account Credits
- Modify Account
- Application
- Application History
- Link Account

Your Logbook VUCC Account (W1TR Ashford)

Account Status

Award	Selected	Applied	Awarded	Total
Fred Fish Memorial Award	113	0	0	113
VUCC 50 MHz	124	0	0	124
VUCC 144 MHz	15	0	0	15
VUCC 432 MHz	12	0	0	12
VUCC 1296 MHz	3	0	0	3

* = Award has been issued

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.

LoTW Wish List

- **ARRL WAC (may be coming soon?!)**
- County Hunters (some 3000+ counties)
- IOTA (Islands On The Air)
- 10-10
- SMIRK (6 Meter Intl Radio Klub)
- WAZ (CQ)
- WPX (CQ)
- Others...
- **Problem: how to fund 3rd party effort, control data**

Summary

- You can QSL via
 - Direct Mail
 - QSL Managers
 - QSL Bureau (incoming / outgoing)
 - Global QSL
 - eQSL
 - LoTW
- LoTW is
 - Cost Effective
 - Officially Accepted for DXCC, WAS, VUCC Awards
 - Easy to use (once certificates are setup)
 - Fast QSL Response, Within Minutes Sometimes!
- However, there is nothing like a **REAL PAPER QSL!**

QSL Show and Tell

- A Few QSLs from W1TR

K9SST 22-Oct-1961 @ K4NVI

CHICAGO 36,

ILLINOIS

U. S. A.

K9SST

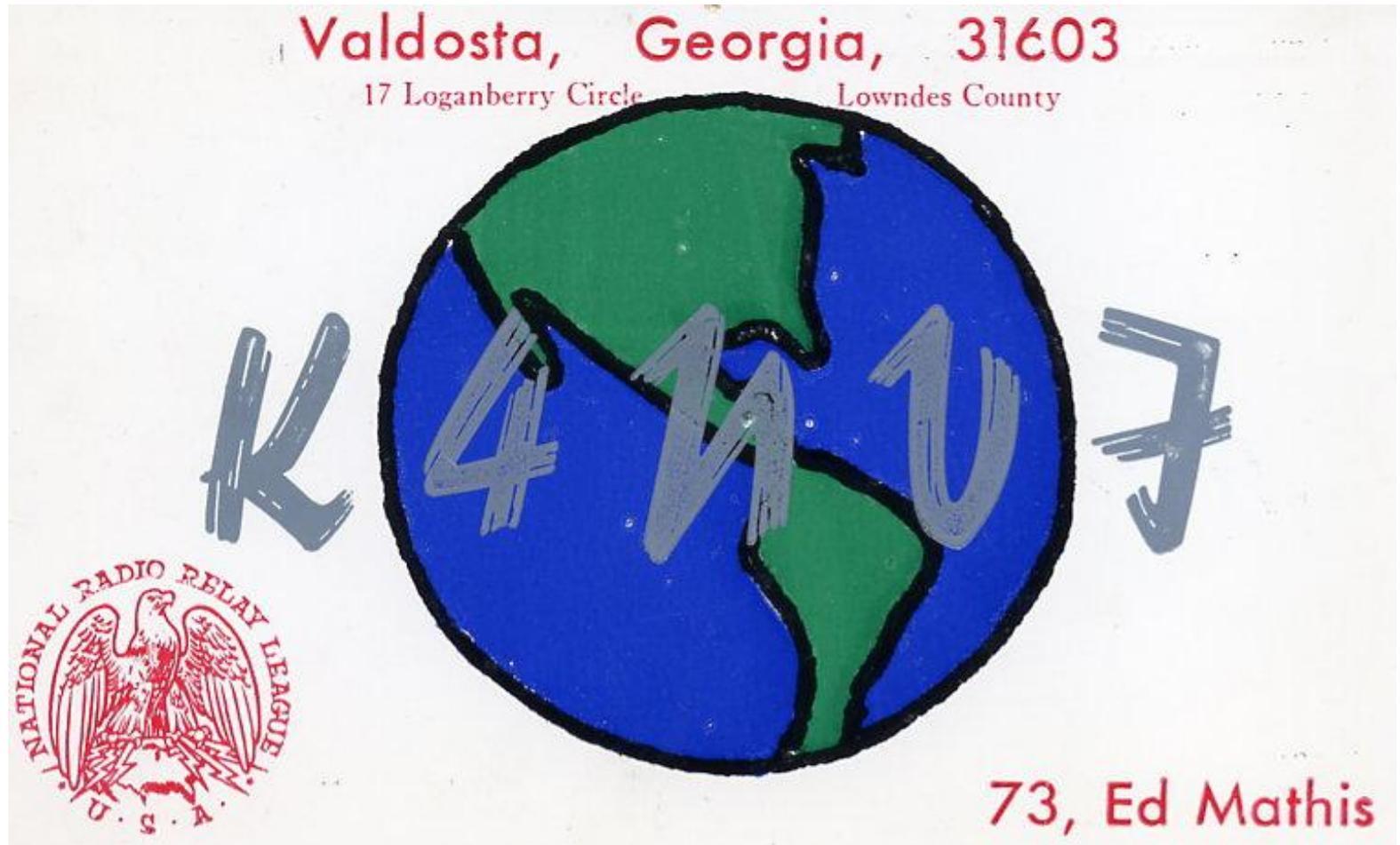
RADIO WARD CONFIRMING QSO OF 22 OCT 1961.
AT 0157 ^{AM} CD ST UR 11.4 MC FONE SIGS RST 94
GMT 2X00B
XMTR: Ward INP. RCVR: 5X101 Mark 3

PSE QSL TNX

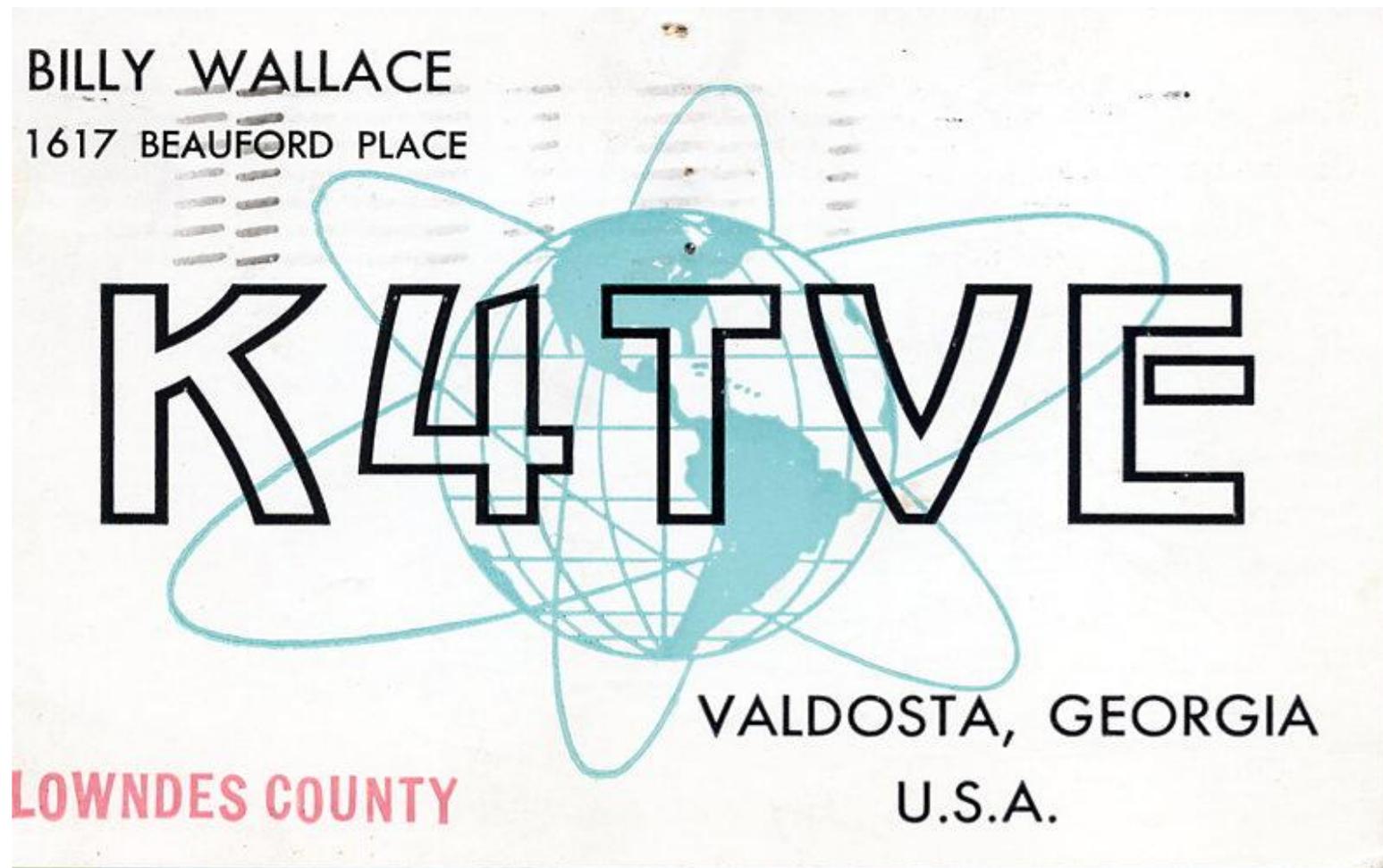
73

JOHN C. WINTERS
1418 W. 74TH STREET

K4NVI – one of my HS classmates



K4TVE – my best buddy in HS 1961



K2VJW 25-Dec-1961 @ Florham Park, NJ

MURRAY HILL, NEW JERSEY

K 2 V J E



"Better QSL. Now!"

'Rog' KBAAB

Conf. QSO DEC 25 1961 with WA4DDO/Z.....
At 1940 ES T Mc 7 cw fone
R S T 589 Xmtr DX-35 50 wts
Rcvr SX-42 Ant Dipole.....
Remarks TKS For very enjoyable WSO.

Pse QSL Tnx - 153 Gallinson Drive

Robert Bogosian

(over)

73

B66

K1ZND from 12-Apr-1964

~~Norwich, Connecticut~~

10 GROSVENOR PLACE
NEW LONDON COUNTY
06360

QRP #1365

~~QRP/03~~

HTH 50

ORS

K1ZND



Dave Sumner

K1YIX – Another High School Buddy

Trumbull, Connecticut

K1YIX

Radio WA1A LZ Confirming our AM-CW-SSB QSO of Dec 7 1963

At 1850 EST-GMT. Ur. 364 Mc.-Mtr. Sigs RST. 589 Rcvr. SX110

Xmtr. Eico 720 W. Input 60 Ant. Dipole

Remarks 7 rx QSO Terry Pse QSL Tnx

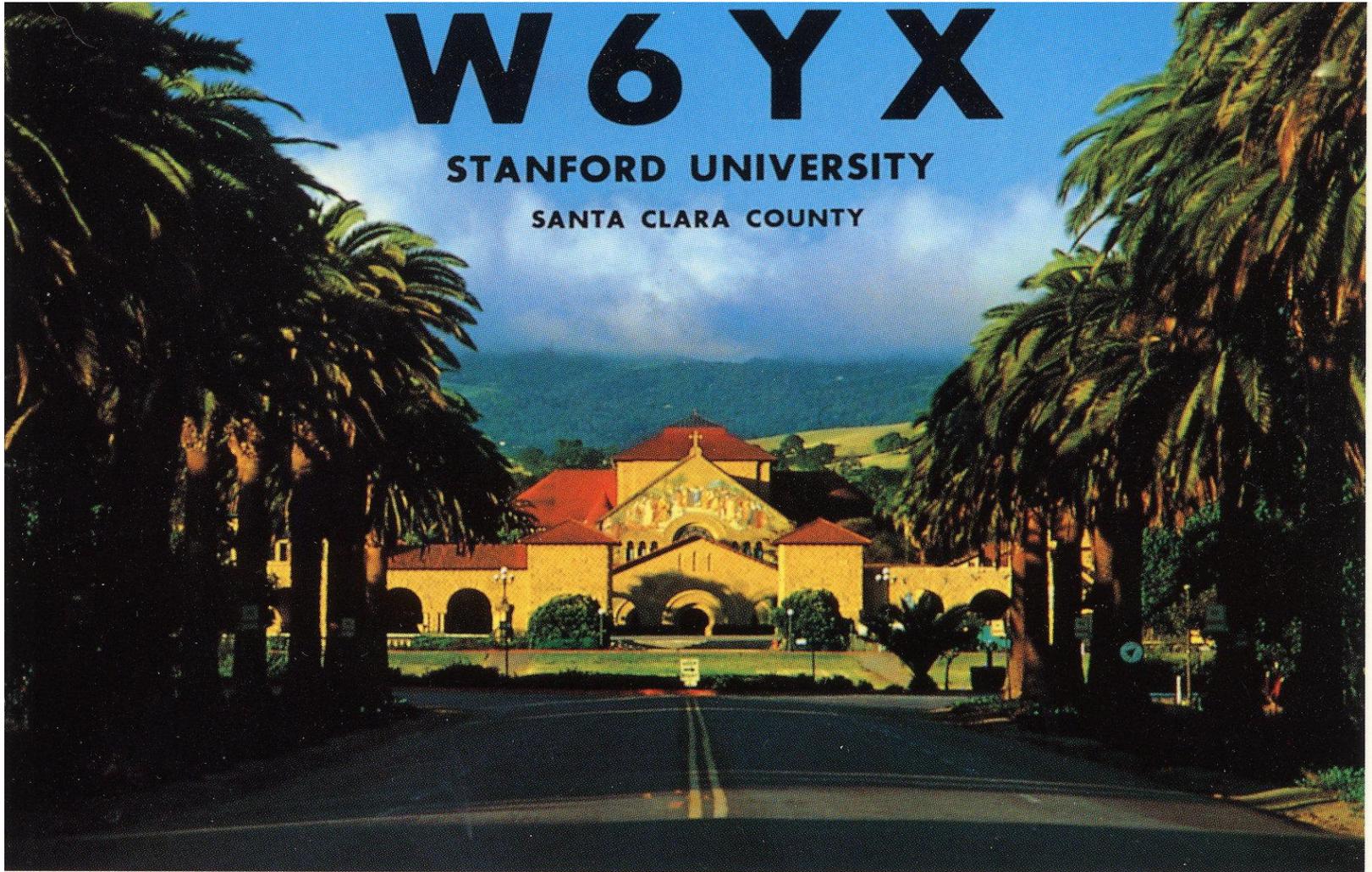
5013 Madison Avenue **73, Brad Salai**

W5OWC PRINT

K2US (1964 Worlds Fair)

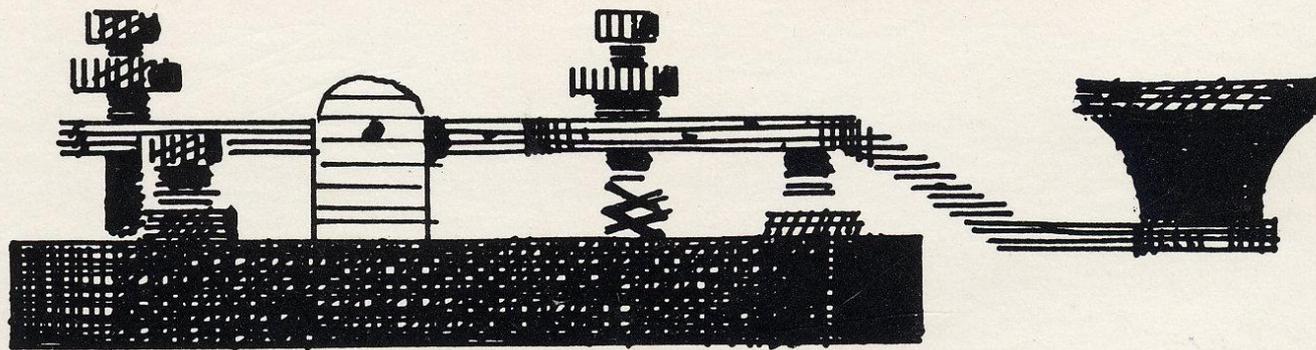


W6YX – Stanford University



KP4H – a colleague at Univ PR

K P 4 H



RAFAEL FERNANDEZ

P. O. BOX 1835

SAN GERMAN, P. R. 00753

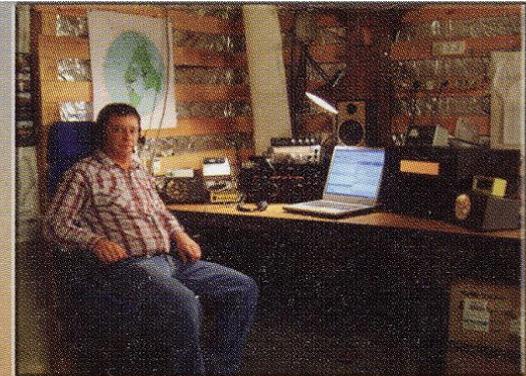
OX3KQ – Greenland – 6 meters

OX3KQ confirms the following QSO(s):

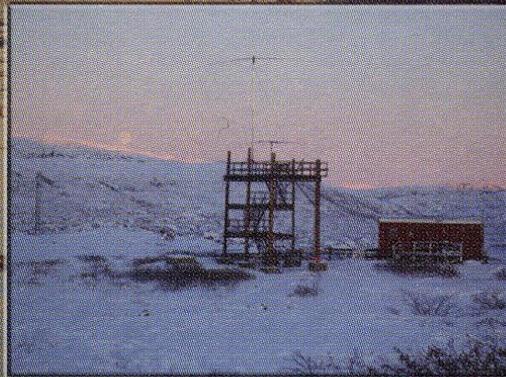
Date	UTC	Band	2wa	RST
2009-07-21	00:34	6m	SSB	59

JD

Mode



Locator **GP47TA** IOTA **NA18**



LZJZ PRINT
www.LZJZ.com

Jesper Dalgaard
Add: Box 1020
3910 Kangerlussuaq
Greenland

WA2LTM – NJ - 1296 MHz

CRANBURY, NEW JERSEY



WA2LTM

DOUG MOSER
39 Station Rd.
Cranbury, NJ 08512 USA

MIDDLESEX COUNTY

GRID FN20RH



CONFIRMING QSO WITH		DAY MONTH YEAR		
W1TR		14 July 2009		
UTC	MHz	RST	2-WAY	QSL
0156	1296.110	5x7	SSB	TNX

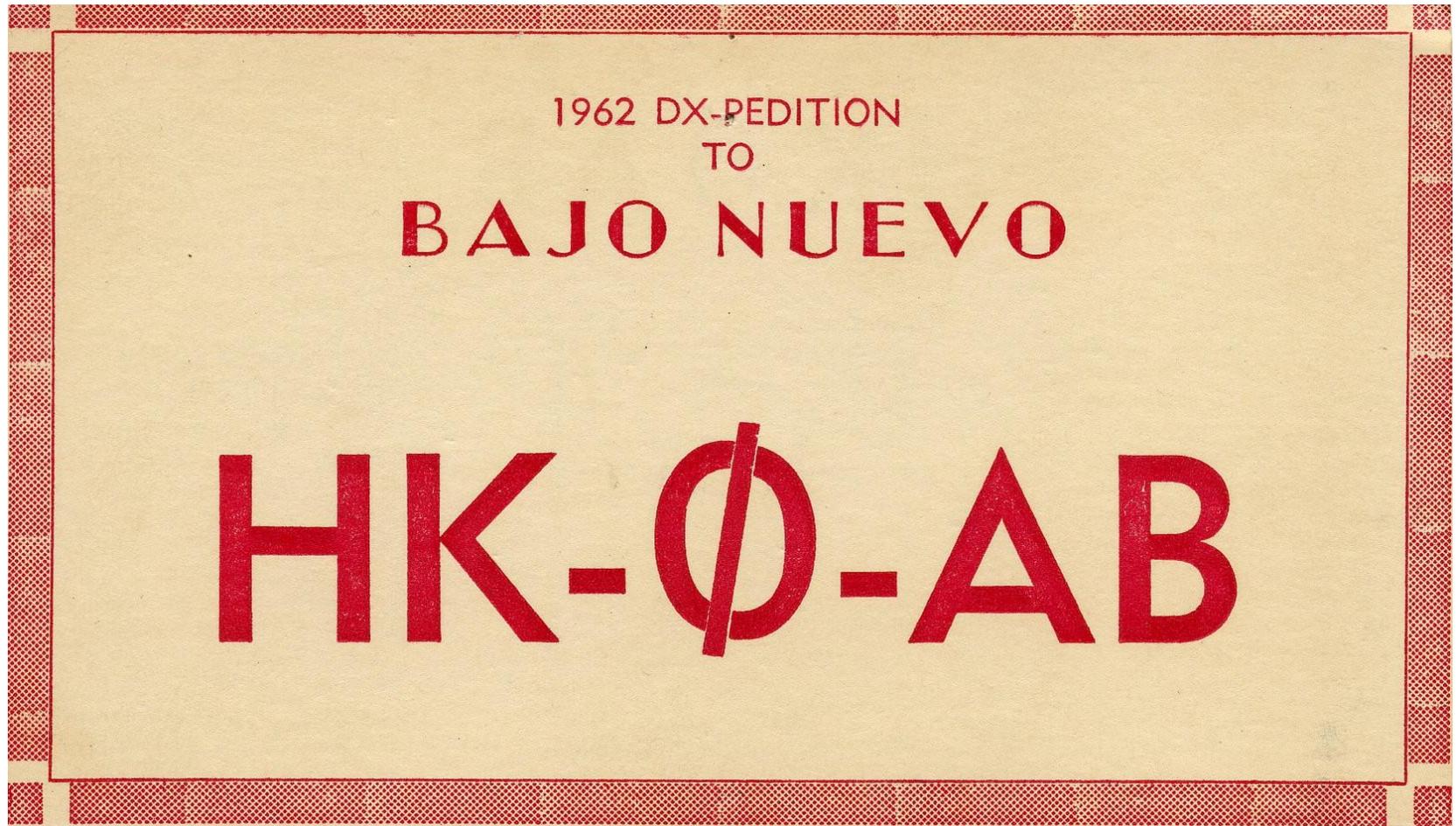
VHF

UHF

SHF

A WX9X QSL

HK0AB 1962 – deleted country



HKØZU 1962

SAN ANDRES ISLA

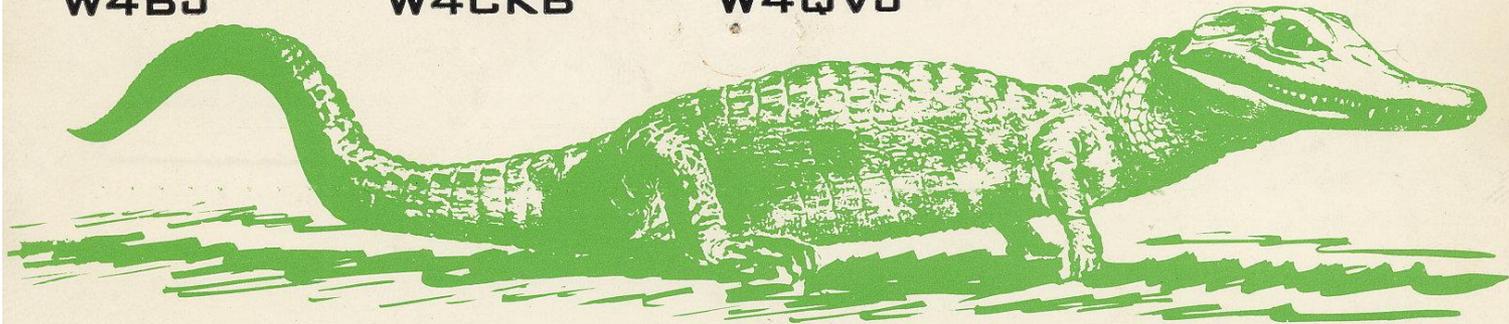
HKØZU



W4BJ

W4CKB

W4QVJ



CALL

WA2WSB

GMT

0913

DATE

24-Nov-62

BAND

7

MODE

CW

REPORT

579

HL1LW

KOREA



HL 1 LW

5A1TW (soon to be deleted?)

5A1TW

TRIPOLI, LIBYA



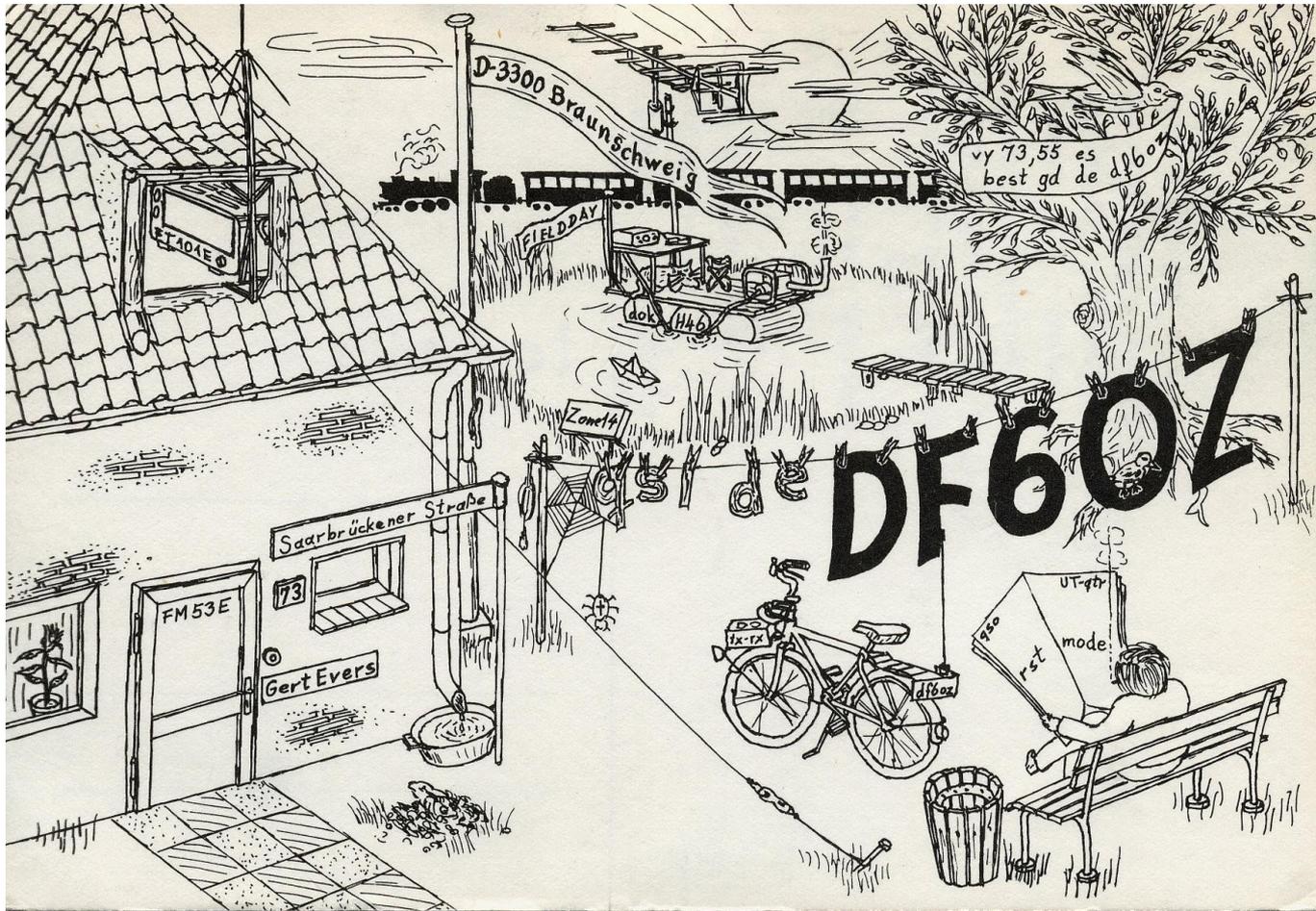
طرابلس ليبيا

مع اطيب التحيات

4X4HC (also soon to be deleted?)



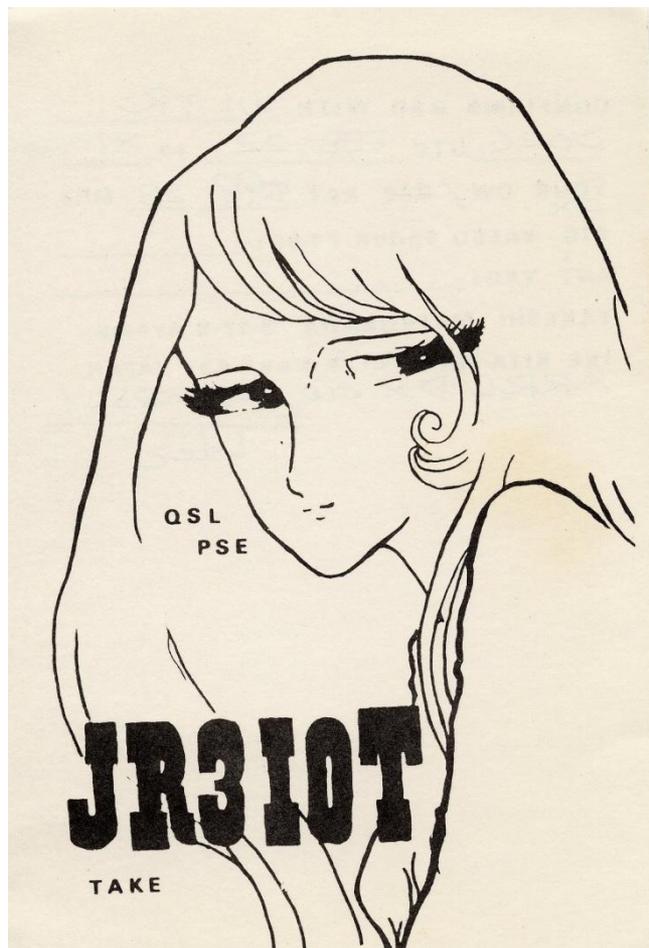
DF60Z



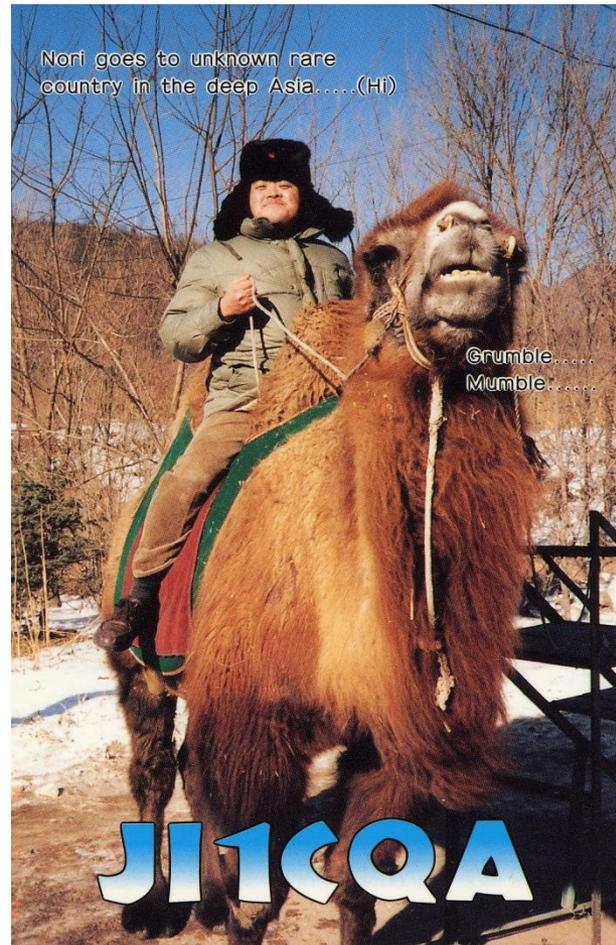
JA1DIO



JR310T



JI1CQA



JK1UVP

To Radio

W I T R

Confirming Our QSO Pse QSL Tnx

DATE 1989		<input type="checkbox"/> JST <input checked="" type="checkbox"/> UTC	RST	MHz	2 WAY
DAY	MONTH				2xSSB
10	12	01:22	59	28	



JK 1 UVP

JCC #1001

TOKYO
JAPAN

TNX FB
QSO.



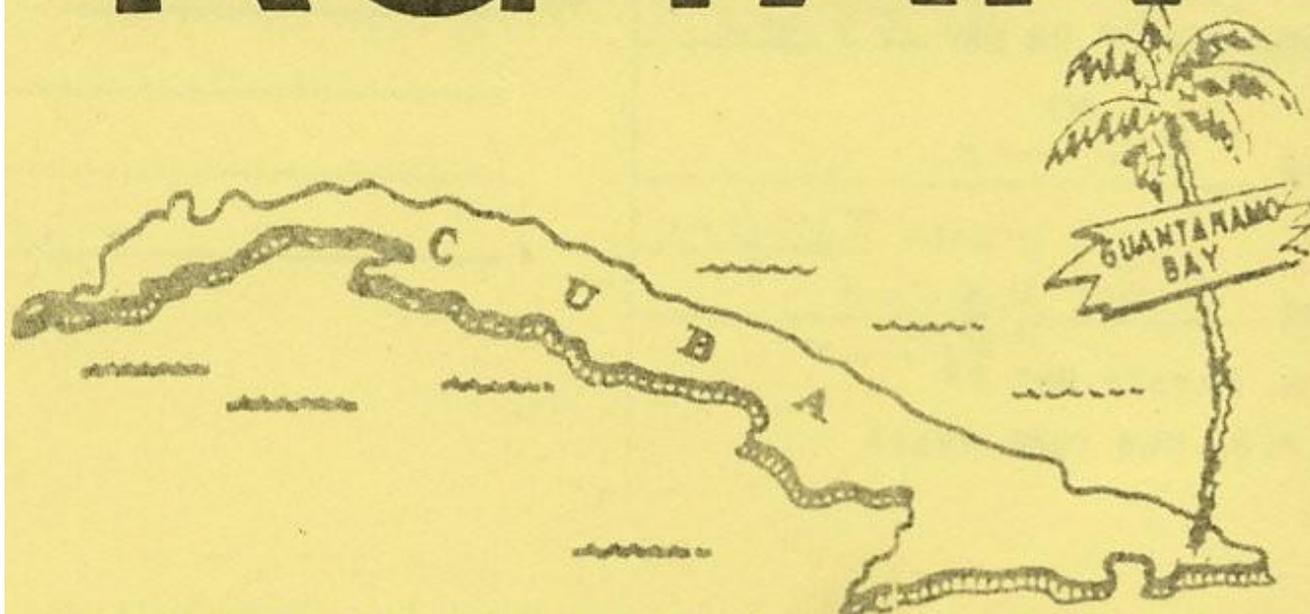
ZONE
25
GL:PM95

KAZUO MORI

781-1 MATSUMOTO-CHO
EDOGAWA-KU TOKYO 133 JAPAN

KG4AN - Gitmo

KG4AN



GUANTANAMO BAY, CUBA

KZ5BC – (deleted country)



VQ9LA – Diego Garcia (80 cw)

VQ9LA



DIEGO GARCIA

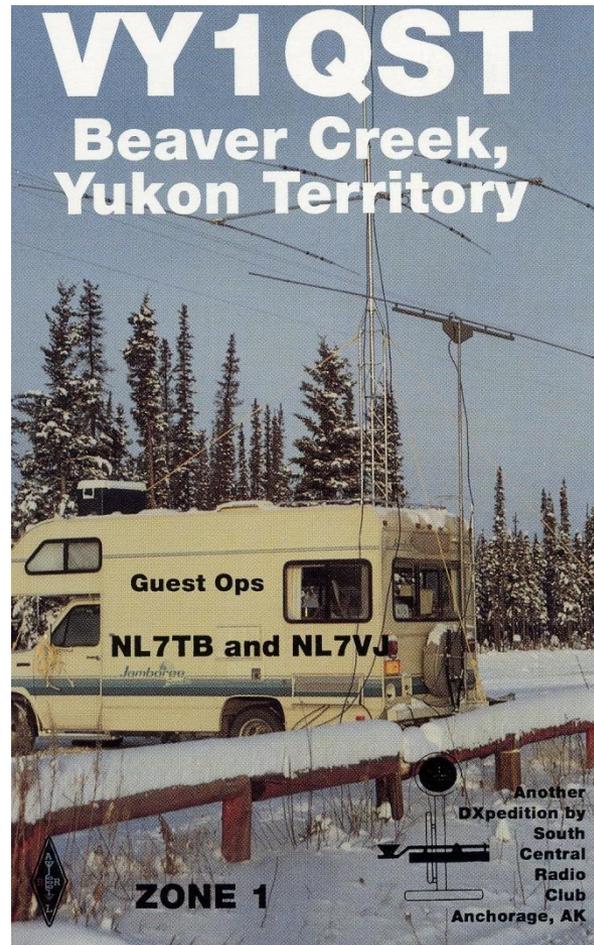
CHAGOS ARCHIPELAGO

7°20'S 72°25'E

BRITISH INDIAN OCEAN TERRITORY

IOTA: AF-06 GRID: MI-62 WAZ: 39 ITU: 41

VY1QST – Yukon Territory



NSS – Armed Forces Day X-Band 1964



WUG-231 – Armed Forces Day X-Band 2010



NA1SS – Intl Space Station (ISS)



WA2WSB – 1962-1963

Florham Park, N.J., U.S.A.

29 Kenneth Court
Morris County



W A 2 W S B

ex WA4DDO

WAS ORS CP-25

RCC NJN

"Do unto others as you would
have them do unto you." In
other words, PSE QSL!!!

73, *Terry Glasgowski*

WA1ALZ – 1963-1977

Trumbull, Conn., U.S.A.

128 Old Dyke Rd.
Fairfield County

WA1ALZ

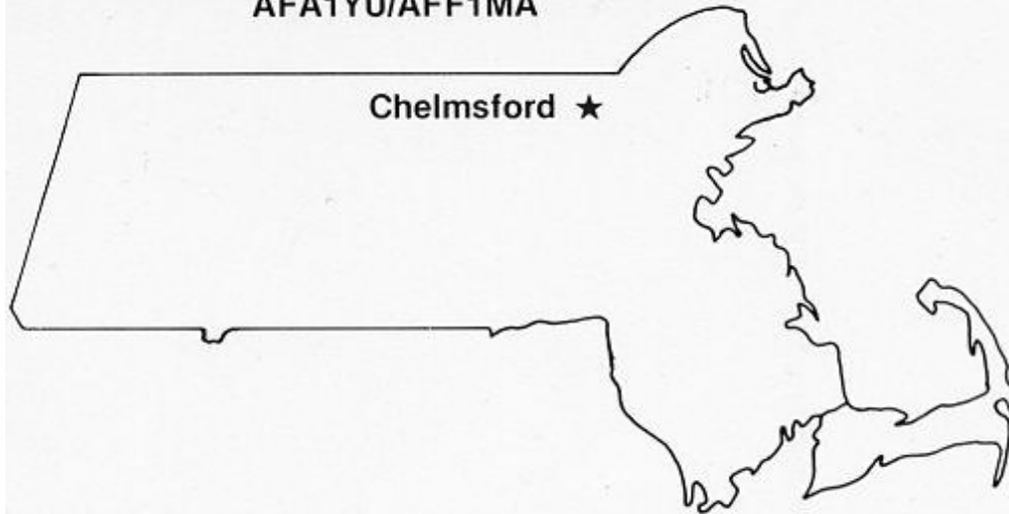
Radio.....	QSO Date.....	QSO Time.....
Mode: CW AM 2XSSB		Freq.....
RST.....	Rig: C.E. 20A	KCS-3 RX
Pse QSL.....	Pair 6146's	HC-10
QSL Rcd.....	Pair 813's	Dipole

73. Terry Glasgowski

W1TR – 1977-1989

W1TR

AFA1YU/AFF1MA



Chelmsford ★

THE BAY STATE
MASSACHUSETTS
MIDDLESEX COUNTY



FN42

42°36'N 71°21'W

TERRY GLAGOWSKI

6 STILLWATER DRIVE
CHELMSFORD, MA. 01824

□ FD SITE
COLUMBIA, CT
TOLLAND COUNTY
FN31

W1TR – 1989-1996

W1TR

THE EVERGREEN STATE
WASHINGTON

Spokane County
GRID DN17
47.6 N 117.3 W

TERRY GLAGOWSKI

7327 South Cedar Road
Spokane, WA 99204-9678



W1TR – 2004 - ?

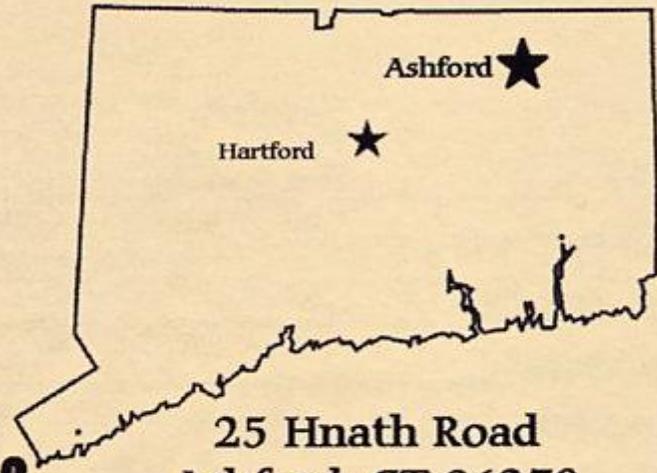
ASHFORD, CONNECTICUT USA

W1TR

Terry Glagowski

WB1CCL

Linda Glagowski



25 Hnath Road
Ashford, CT 06278
Windham County
Grid: FN31vw



AFA1DI



W1BIM - CMARA

Central Massachusetts Amateur Radio Association, Inc.

W1BIM



CMARA
P.O. Box 60411
Worcester, MA 01606-0411

Confirming QSO with	Date Day/Mo/Yr	UTC	MHz	RST	Mode	QSL	
Terry	28 June 08	Field	Day			Pse	
						Tnx	