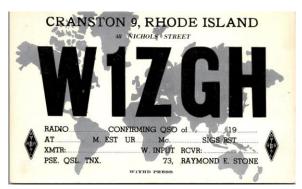
## Raymond Stone

30 Years of Amateur Radio as Told Through QSL Cards



## Raymond Stone

- Born in 1936 Passed Away in 2022
- First licensed in 1950 at age of 14 as WN1GZH
  - Cranston, Rhode Island
- Upgraded in 1955 to W1ZGH
- Spent time in Air Force in late 50's
  - Recognized for his ability to copy/send CW at 65
     WPM and immediately shifted to signals/intel
- Moved to Texas in 1967 W1GZH/5
  - 1967 Apartment in Irving
  - 1968 House in Irving W5RBO
  - 1969 Moved to Anna
- Call Signs
  - WN1G7H
  - W1GZH
  - W1GZH/5
  - W5RBO
- ARRL Member
- Grayson County Club Member (Sherman)
- QSL Mgr for 3D2ER, T2T, T3AC
- President of Selectouch in Anna















#### **Cranston RI - Station**

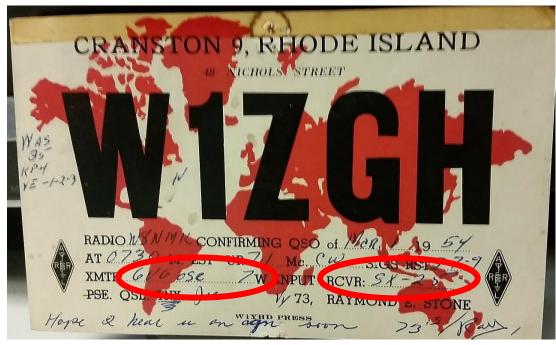
#### Cranston, RI

- 1954
  - TX --- Homebrew 6V6 Oscillator –
     7W Input
  - RX Hallicrafters SX-25

Representative H/B 6V6
Oscillator









SX-25

#### Irving, TX - Station

#### Irving, TX

- 1968
  - TX --- Hallicrafters
    - HT-32 Transmitter
    - HT-33 Amplifier 1KW Input
  - RX Collins 75A4













#### Anna, TX – Station - 1978

- TX ----
  - Kenwood TS820
  - Collins 32S3A
- RX -
  - Kenwood R-820
  - Collins 75A4
  - Collins 75S3B
- Antennas
  - 10m 10 el Yagi at 80'
  - 15m 8 el Yagi at 90'
  - 20m 6 el Yagi at 100'
  - 40m 4 el Quad at 85'
  - 160/80m 157' Vertical
  - 6 Beverage Receiving Antennas ranging from 540' to 3,600'

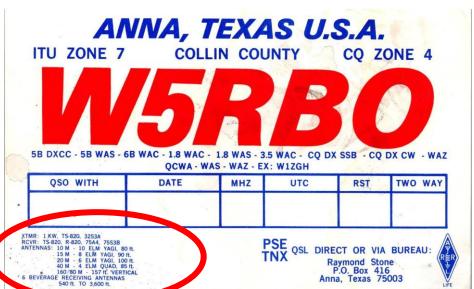
TS-820





32S3A

NOTE: -- QSL Card indicates 1KW, but no mention of Make/Model of amp. Assuming the HT33 still in service



R-820





## What Changed Since 2022?

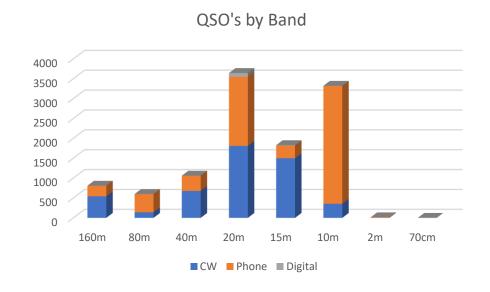
- Received more QSL Cards
- Received some of W5RBO Logbooks
- Entered all into logging program
- Removed duplicates

	DATE	STATION CALLED	CALLED	HIS FREQ. OR DIAL	HIS SIGNALS RST	MY SIGNALS RST	FREQ.	EMIS- SION TYPE	POWER INPUT WATTS	TIME OF ENDING QSO	OTHER DATA	QS	Ls
		OALLES .		DIAL	RSI	HSI	MC.	ITPE	WAITS	ws0	NAME	S	F
		11-14	-61										
3	1919	K5AWK/M	×	7220	5-9	5-9	7220	SSB	144	1920	Paul		L
7	1920	WA8GGN	×	7220	5-5	5-5	7220	SSB	144	1926	St. Joseph, Mich Mike		
	1957	WAANWH	×	45	5-9		7243	SSB	144		20 -		
	2011	WOHFX	X		5-8		7220	SSB	149		NO -		
	7/70/46	11-15	- 7	1 20									
5	2348	K50SH	X	7225	5.9	5-9	7225	SSB	199	2415	Russ		
	,	11-16-	7				967-3		PAZT		Market Andrews (1997)		
6	1910	W5FXZ	×	7205	5-9	5-9	7205	SSB	144	1935	Beam - Jackson, Miss.	r	
	1931	WGHEA	<	7211	5-5-		7211	35B	144		NO CPY		
	1931	WAGEAU/S	K	7211	5-5	-	7211	SSB	144		Copy - QRM - Neglect, -		
7	2293	WETYG	×	7228	5-9	QRM	7228	5513	194	2047	Bill-		
	2248	ca	×			1	7213	5513	149	A MILE	QRM - Someone calling-		
	/	1-17-	67				The same			Na Walley			
17	2325	W45JU/KP4	×	17229	5-9	5-5	14229	SSB	144	2328	Ramey air Force Base Porto Rice	-	n
		11-18-	67										
0	0735	KODOB	×	14.3	5-9	5-9	14.3	SSB	144	0749	MANCHESTER, LOWA TED		
	0210	WACNA	×	14.3	5-9	5-9	14.3	SSB	144	0833	CLEARWATER, FLA DALE		
	1135	CQ	×			100	28.6	SSB	149	Walter S	No -		
50		WZSYC	K	28.6	5-9	5-9:	28.6	SSB	144	1244	WOONEMUNS N.J. KEN		
1	1305	WAZALU	X	28.6	5-9	5-9	28.6	SSB	199	1338	POODENO, MTS, PA. HENRY		
52	1830	WEHHU	×	28.6	5-9	5-9	28.6	3513	149	1837	DALLAS Tex. Whit		
53	2205	/	1 K	7.2	5-9	5-9	7219	SSB		2207	RUSS - DUNCANVILLE		
54	2205	W5LUB	×	7.2	5-9	5.9	7219	SSB	144	2450	TTQ		
5			× .	7.2	5-9+	5-9	7219	SSB	144	2330	EARL		
56		W5NZL/N	1 X	7219	5-9	5-9	7219	SSB	144	2325			
57		WASTCA	×	7.2	5-9	5-9	7219	SSB	144	2345	Teff- DALLAS		
- 1		KSIME	X	7.2	5-9	5-9	7219	SSB	144	2401	Tom - IRVING		-

## On-The-Air

- QSL Card Statistics
  - 16,11 QSO's documented
  - Only a small fraction of Ray's total QSO's
  - Most lost to water damage over the years
  - Includes Logbooks from 1967, 1968,1971-1976,77,& 78

Band	CW	Phone	Digital	Total	%
160m	542	267	0	809	5%
80m	142	686	0	8280	5%
40m	691	396	0	1087	7%
20m	2637	3537	97	6271	39%
15m	1538	642	11	2191	14%
10m	359	4542	2	4903	30%
2m	0	14	0	14	0%
70cm	0	1	0	1	0%
Total	5909	10092	110	16111	100%



## Interesting QSL Statistics

Countries Worked – 318

Islands On The Air Worked – 171

Prefixes Worked – 1,142

Top Countries Worked – USA – 5,679

Japan – 1,887

New Zealand – 505

Australia – 468

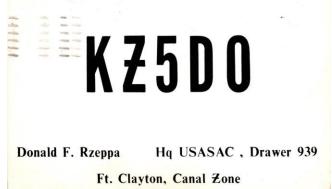
E.Germany – 46

European Russia – 434

England – 298



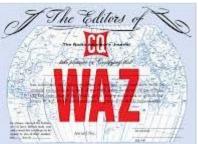




### **Earned Awards**

- 5-Band DX Century Club
- 5-Band Worked All States
- 6-Band Worked All Continents
- 160m Worked All Continents
- 160m Worked All States
- 80m Worked All Continents
- CQ DX SSB Award
- CQ DX CW Award
- CQ Worked All Zones Award
- Quarter Century Wireless Association







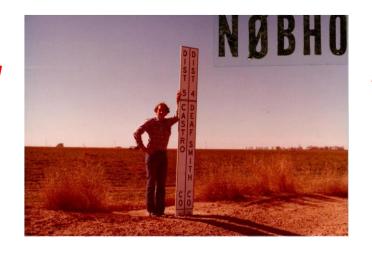








The Canal Zone in Panama no longer exists

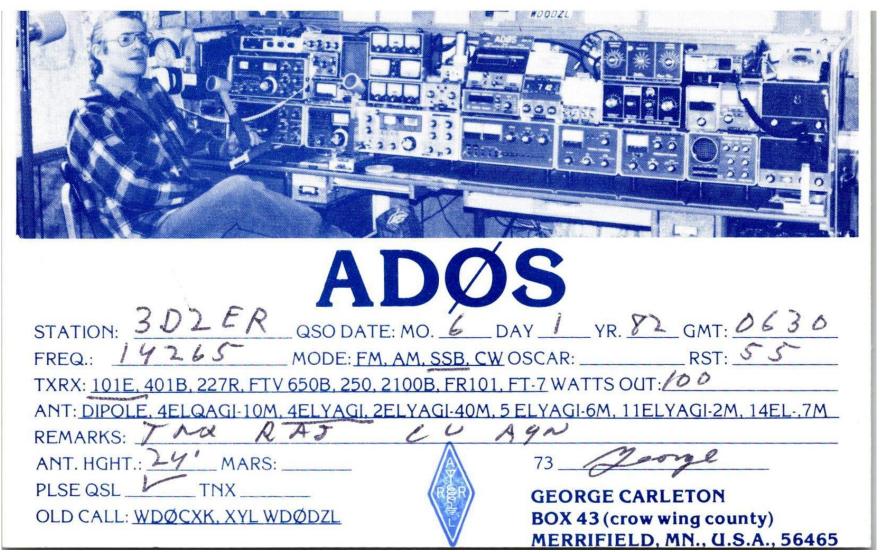


For those that wonder why some counties in Texas are so hard to get a QSL from

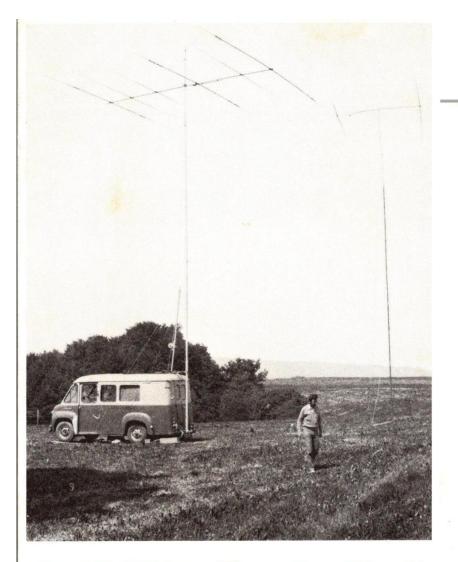


Nepal is exceptionally difficult to find

Quite a wall of equipment!!!!



Not sure the van will stay upright while supporting that antenna



HB9AN

HB9AN HB9AN/P

to: W 5 RBO

DATE	GMT	QRG	MODE	RST
4/6/78	0505	14	CW	599

QTH:

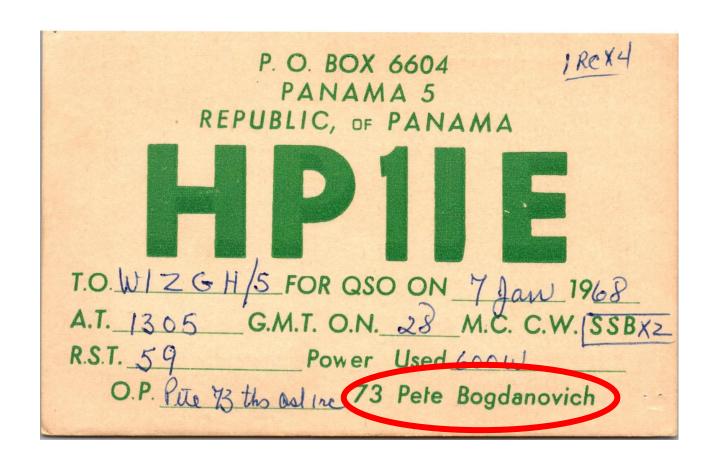
ZH ZG GR GE Repeater
BE FR AG channels:
LU SO TG
UR BS TI VHF: R7
SZ SH VD UHF: R82
NW AR VS

GL SG NE



Section Aargau vy 73

Quite possibly THE Peter Bogdanavich of The Last Picture Show, Paper Moon, and others



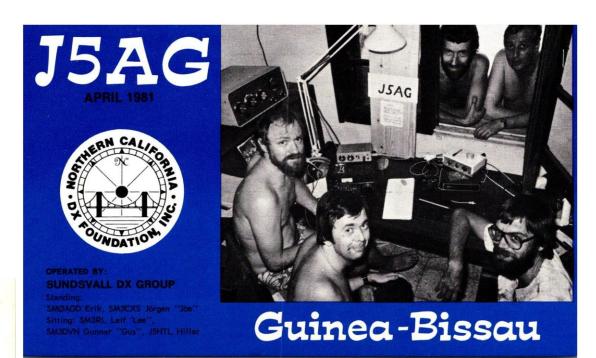
DX-Peditions are most often NOT Glamorous

#### CAYMAN ISLAND, B.W.I.



K4CAH - W4PJG - K4IA - WA4WIP

ZF1EP



W5RBO

To Radio

We are pleased to confirm your QSO with J5AG

1981	UT	MHZ	RST	MODE
APRIL,	0310	14	599	2-way CW/SSB

QSL via SM3CXS, Jörgen Svensson, Berghemsvägen 11, S-863 00 Sundsbruk, Sweden. Thank you for your interest in our DXpedition.

73 de

Verified by SM3CXS, SM3DVN, SM3EVR, SM3RL, SMØAGD

#### Equipment:

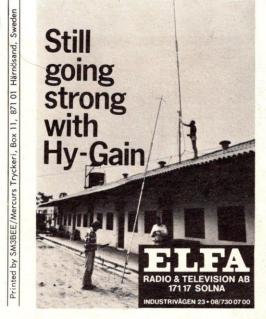
Transceivers: ICOM IC-720 and IC-701 Linears: Heathkit SB 200 and HA 14 Antennas: HyGain 14AVQ and 18AVT

#### Equipment supplied by courtesy of:

SM4MI, Hans Nordwall, Swedish Radio Supply AB SMØGMG Lars Mohlin, Heathkit Scandinavia AB

#### QSL cards donated by:

Northern California DX Foundation Inc.



A great way to limit feedline losses and the expense of building an antenna tower! – circa 1977

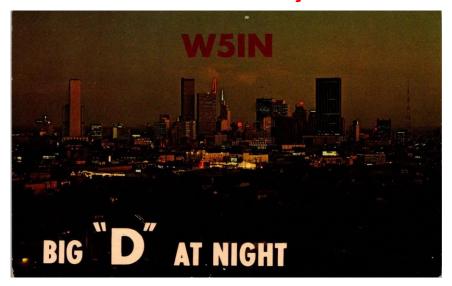


UN Forces have been in the Middle East for quite some time – This example from the 70's



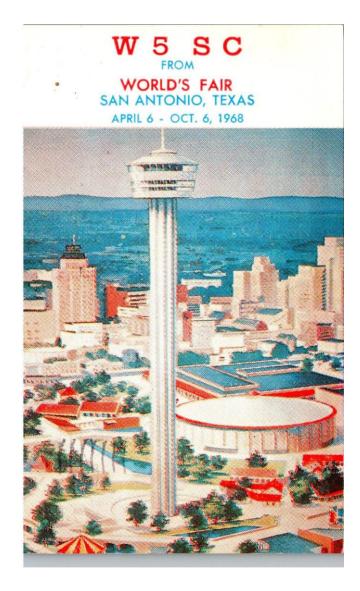
AUSTRIAN MILITARY RADIO SECTION AUSBATT – UNDOF SYRIA	
CFMG OUR—SSB-CW-RTTY QSO-SWL ON8. März 1978 <sub>T</sub> /457 GMT RST. 56 80-40-20-15-70-MTRS-QSB-QRM-	TO RADIO W5RBO
RIG: KWM 2A - 30 L1 - RHOMBIC - GP - LW	
OPR: Horst Donik Freiheitsallee 29 A-8720 Knittelfeld	
TNX QSO - 73 - 55 - BEST DX - GOOD LUCK!	
PSE QSL VIA OE - BURO ONLY  BMfLV R 4800	(pse qsl via)

1968 Dallas Skyline





#### A Worlds Fair in San Antonio



#### 1978 Digital Enabled Station



TO: Ray - W5BRO

Thx fer nice chat on 40MCSSB on Jan 14 '78 abt \$753Z when ur FB sigs were 5&9. Thx fer ur QSL crd.

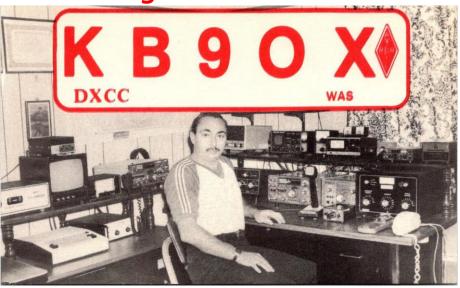
The TS900 shown hr has been replaced by a TS820S which I hope sounds as nice as urs! The linear is an SB200 and the antenna is a ground plane on the roof of the house.

That vertical bent wire doing great.



BETHANIA (FORSYTH COUNTY) NORTH CAROLINA

#### 1982 Digital Enabled Station



Radio 3D2E	FIRMING OUR "QSO"  P Date # 2 Jun 198 2	2
Time <u>Ø5.5 Ø</u> to Freq. <u>/ 4.'2/</u> 5	G.M.T. R 5 S 9 T	Wayne
Wx. Here	Mode: AM CW SSB	RTTY P
	itterYaesu FT 101ZD Receiver	
Remarks: TNX	OR NEW COUNTRY !	
Zone 4 Howard C	73 KB9	indiana 46936

## Why Use Paper QSL's Today?

- Electronic QSLs eQSL, Logbook of the World, QRZ, etc.
  - Quick!
  - Most free!
  - Integrated into electronic logging programs!
  - Instantaneous matching of QSO's!
  - Automated verification for Awards Credit!
  - Data belongs to someone else
  - Ephemeral
  - Requires the Internet
  - Requires a computer or phone
  - May DX stations may not have the ability to QSL electronically

- Paper QSL Cards
  - Can move no faster than the postal services
  - Relatively expensive postage, printing, etc.
  - Sometimes complicated
    - Foreign postage
    - How to provide return postage for DX
  - Labor intensive
  - Poor response rates
  - Relatively permanent
  - The card and information belongs to you
  - No technology required to look at them
  - Educational
    - Learn about different countries
    - Currencies
    - Postal systems
    - Governments
  - QSL's continue to arrive even 10 or more years after the QSO
  - Stories are told through the cards themselves

## QSL Card Construction

## What Makes a Good QSL Card??

- CLEARLY communicates at least the minimum required information to confirm the QSO
  - Call-Signs of both stations
  - Date
  - Band/Frequency
  - Operating Mode (SSB, Digital, CW, etc.)
  - Time (GMT/UTC Please!)
  - Signal Report
  - Address or other instructions for receiving a confirming QSL (e.g. via Bureau, direct, QSL Manager, etc.)

5W1AR is pleased to confirm the following QSO:

RADIO	DATE	TIME	FREQ	RST	2-WAY
WSRBO	1 Feb 1969	0830 GMT	/4/ MHz	58	SSB

Verified By: Kux

W4ZXI Miami, Fla. Opr.: T. A. Ferguson Faleolo Airpor Western Samoa

- Useful Information
  - County
  - ITU Zone
  - CQ Zone
  - SMIRK, 10/10, or other numbers relevant to certain contests

- Optional Information
  - Equipment/Antennas
  - Awards Earned
  - Pets' names
  - Kids' names
  - Etc.

## What Makes a Good QSL Card??

- CLEARLY communicates at least the minimum required information to confirm the QSO
  - Penmanship if hand-writing information (Block letters are best)
  - High quality permanent ink
  - Clear format for Date
    - 10/11/2022 NO!!
    - 11/10/2022 NO!!
    - 11-X-2022 OK (Roman for Month)
    - 11-Oct-2022 -- OK
    - October 11, 2022 -- OK
  - 24hr, four-digit time notation in GMT/UTC time
  - All information on ONE side of the card

## K 5 G H

#### CONFIRMATION OF TWO-WAY RADIO COMMUNICATION

Station	Date	GMT	Freq. Band	RST	Mode
WSRBO	30 April 82	0200	146.49	59	FM

EX-W5KHP



GEORGE HULING 721 WHITE DR. GARLAND, TEXAS 75040 U. S. A. TNX FOR QSO

RSE OSL

# Great QSL Examples



#### ANNA, TEXAS U.S.A. COLLIN COUNTY QSO WITH DATE MHZ GMT TWO WAY RECEIVER. 75A4 EX: W1ZGH PSE QSL TO: TRANSMITTER: 1 KW DC DXCC - WAS - WAC RAYMOND E. STONE P.O. BOX 416 ANNA, TEXAS 75003 ANTENNA: 4 element yagi monoband ft. **TNX QSO 73**

RADIO CONFIRMING QSO OF SIGS RST WINP. RCVR:

PSE QSL TNX.

RHODE ISLAND

U. S. A.

195

AT. ST UR SIGS RST WINP. RCVR:

PSE QSL TNX.

73

RAYMOND E. STONE

48 NICHOLS ST.

## Good QSL Examples





Western Samoa

5W1AR

**Trevor Ferguson** 



#### K 5 G H

CONFIRMATION OF TWO-WAY RADIO COMMUNICATION

Station	Date	GMT	Freq. Band	RST	Mode
MSRBO	30 April 82	0200	146.49	59	FM

EX-W5KHP



GEORGE HULING 721 WHITE DR. GARLAND, TEXAS 75040 U. S. A. TNX FOR QSO

RSE OSL

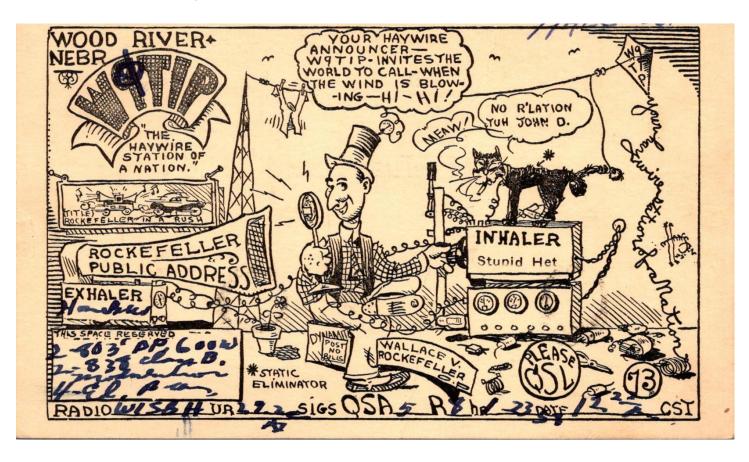
5W1AR is pleased to confirm the following QSO:

RADIO	DATE	TIME	FREQ	RST	2-WAY
WSRBO	1 Feb 1969	0830 GMT	/4/ MHz	58	SSB

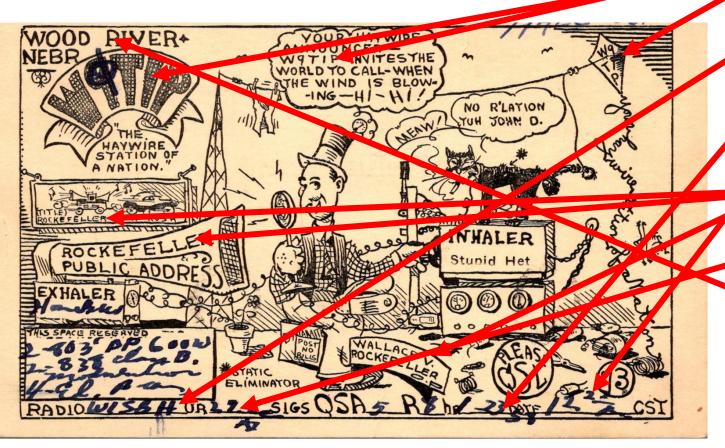
Verified By: Russ

W4ZXI Miami, Fla. Opr.: T. A. Ferguson Faleolo Airpor Western Samoa

# Room for Improvement



Room for Improvement



≤ending Callsign – W0TIP or W9TIP??

Receive Callsign – W1SBH?

Date – Jan 23, 1958?

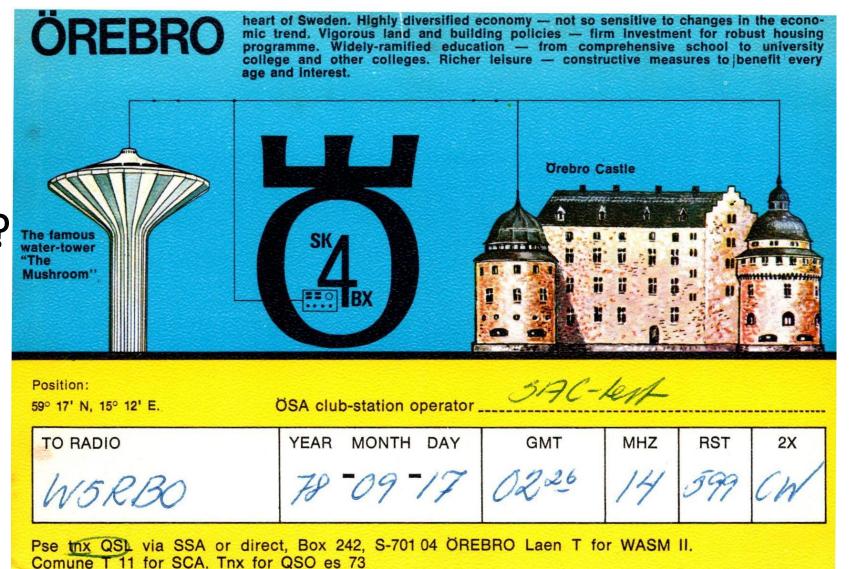
▶Time – Not in GMT/UTC

Name

Frequency/Band – 29Mc?

Address

Positive --- All on one side of the card!



#### SWEDISH AMATEUR RADIO STATION





Björn Hägglund Tjurgränd 49 S-175 45 Järfälla







Grethe Dudahl-Lasjon

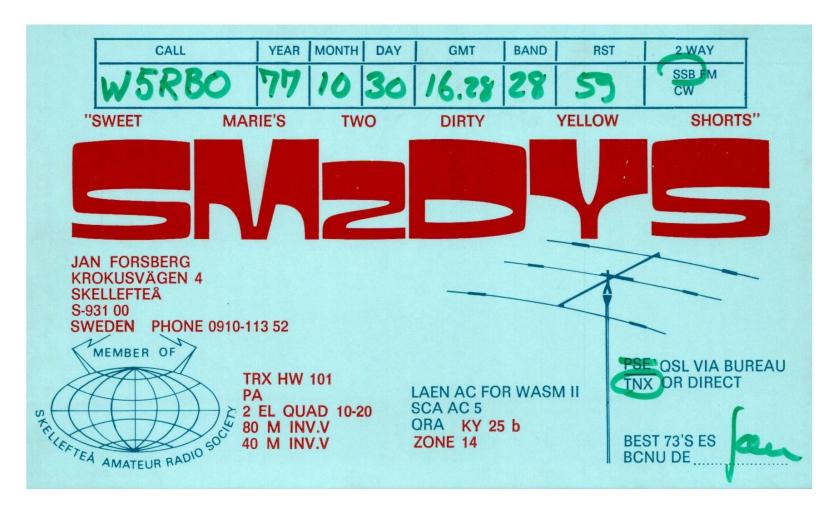


Jørgen Dudahl-Lasjon



QTH: Strandhuse DK-4500 Nykøbing Sj. DENMARK

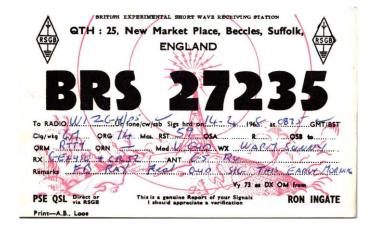






Roseburg, Oregon 97470 U.S.A. 1643 W. Catherine Avenue SWL Member Newark News Radio Atos Ratio Club Donald C. Gross

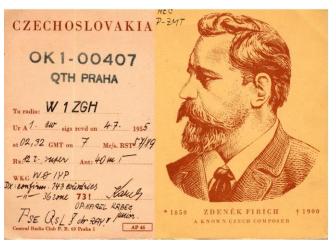
## SWL Card Examples



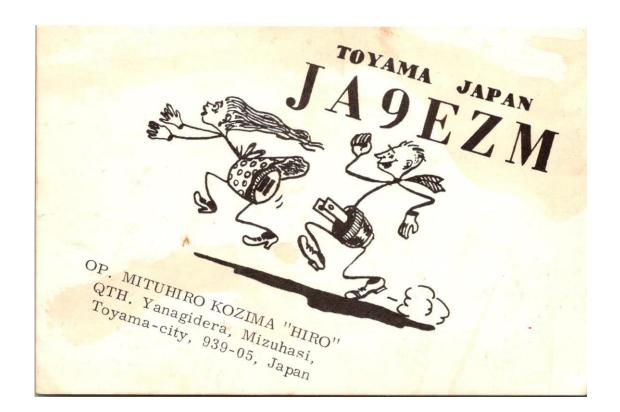


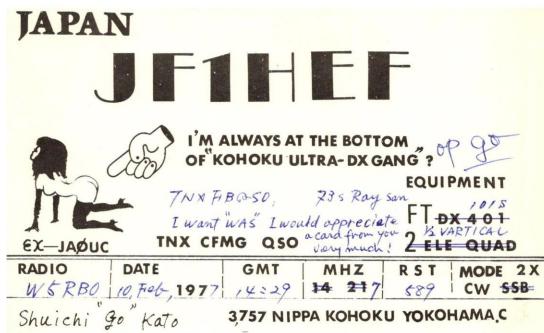






# Potentially Inappropriate Content





## Where to Send Paper Cards

- Postal Address (also known as a "Direct" QSL)
  - US Postage for letters/post-cards less than 1oz is \$1.50
  - Recommend placing card in an envelope
  - Do NOT mention ham radio or your call-sign in return address or on the outside of the envelope
- QSL Bureau ARRL Members can use the ARRL Outgoing Bureau (DX ONLY)
  - Costs are \$2 for 10 or fewer cards, \$3 for 11-20 cards, or \$0.75/oz. for 21 or more cards
- QSL Manager either Direct to Manager or via Bureau
  - URL for information on ARRL Bureau is https://www.arrl.org/outgoing-qsl-service



#### **How to Direct QSL**

- Locate the correct address
  - Ask during the QSO
  - Look in QRZ
  - Callbooks (both paper and virtual)
- Ensure you have the correct postage
- For faster more reliable returns send along a SASE
- For Dxpeditions and special events, pay VERY close attention to the QSL instructions and follow them precisely
- If DX Station requestions "Green Stamps" this means cash. Make your decisions here carefully
- Some DX Stations may ask for IRC's (International Reply Coupon). These are not available for purchase at the Post Office anymore, but can be purchased online at Swiss Post.



## Receiving QSLs via the Bureau

- ARRL Operates an incoming QSL Bureau no ARRL member is required to use it.
- Each numeric call area in the US has its own incoming Service.
- URL for area 5 is:
  - http://www.w5incomingbureau.net/
- Rules and procedures are set by each area incoming bureau – so be sure to read up on what is expected
- Bureaus are slow -- I have received cards 10 years after the QSO!
- Some Dxpeditions and Special Events will send a QSL, but don't want yours – they use a system called OQRS.net to handle requests for cards when you make contact with them.







#### More Info available

- Look up stations in QRZ many have QSL instructions
- ARRL Web-site has good resources
- Area incoming bureau pages have good resource links as well

#### OCHESTER 9 NEW YORK U.S.A.

DIO WIZGH

'FG QSO OF 3/9 1955

'CW FONE RST 599

VR Sys- 40 meters

1TRHome Brew. 25 PWR

SE QSL TNX 73

# K2HV



ERIC J. LINGER 34 TINDALE DRIVE

## **Thanks for Listening**

