

WD2XSH status report: December 1, 2013 - February 28, 2014**Prepared by Fritz Raab, W1FR, Experiment Coordinator****March 30, 2014****1. SUMMARY OF OPERATIONS**

This report provides a summary of WD2XSH activity during the Winter 2014. The key statistics of our operations during this period are:

- Number of QSOs: 7 additional, total 522;
- Number of reports via web site: 88 additional, total 16,154;
- Operating hours: 6,660 additional, total 164,393; and
- Number of interference complaints: 0.

All statistics are based upon the end of the reporting period (02/28/14). Only transmitting hours are included.

2. ADMINISTRATIVE

Nothing to report.

3. COMMUNICATIONS

There was a good deal of activity this winter. Many transmissions used digital modes and other experimental licenses were quite active. The locations of current US experimental stations are shown in Figure 1.

Brian Justin WA1ZMS - WD2XSH/31 has made Fessenden commemorative broadcasts via his license WG2XFQ. These AM transmissions used antique equipment including Heising modulation.

WD2XSH/26 (W7WKR) in Washington got on the air.

WD2XSH/6 (W5THT) is QRT for the time being. Pat has been one of our most active operators.

WD2XSH/14 (W1FR) will go QRT this spring in preparation for moving. A local amateur KK1K will take over this site and will identify as /47.

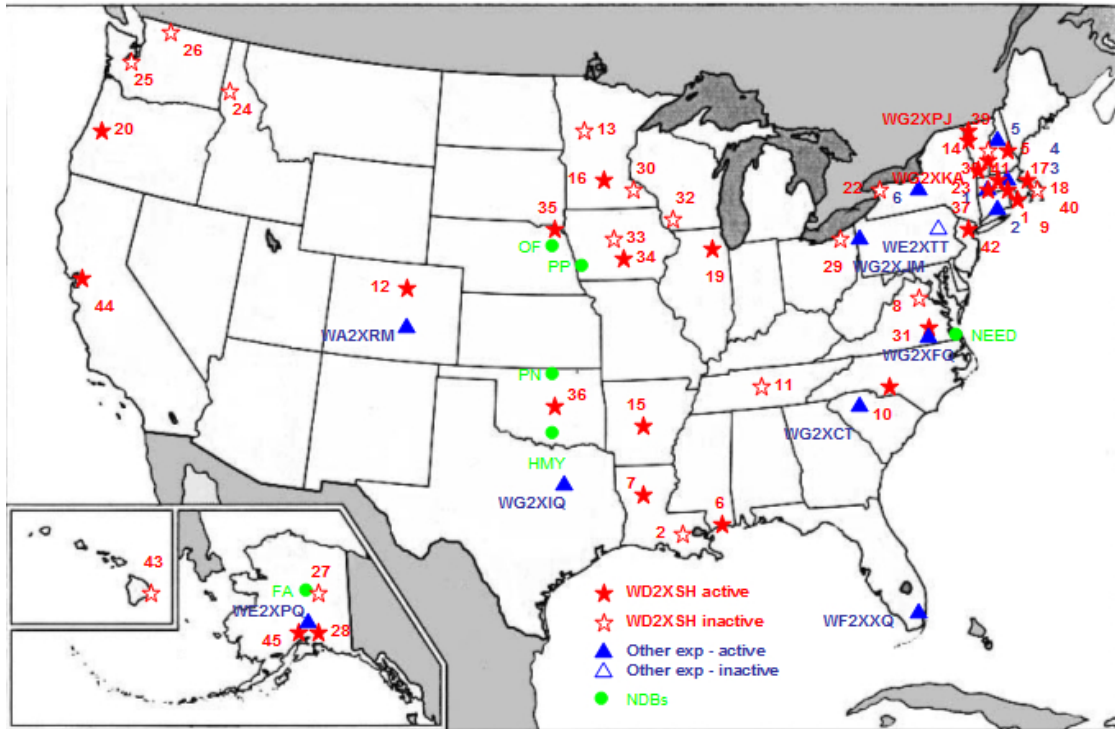


Figure 1. Locations and status of US 500-kHz experimental stations.

4. ACTIVITIES

Nothing reported.

5. INTERFERENCE

There have been no reports of interference, however, we are continuing to monitor three potential interference problems:

- NDB OF continues to operate on 510 kHz.
- We continue to hear NEED on 505 kHz from time to time.
- NDB FA continues to operate on 510 kHz.

6. OTHER US EXPERIMENTAL LICENSES

The frequency bands of US and foreign amateur and experimental licenses are shown in Figure 2. Some of the foreign allocations have been terminated as national regulators approve amateur operation in the 630-meter band. The parameters of U.S. experimental licenses are given in Appendix B, and the known unlicensed (part-15) operators are given in Appendix E.

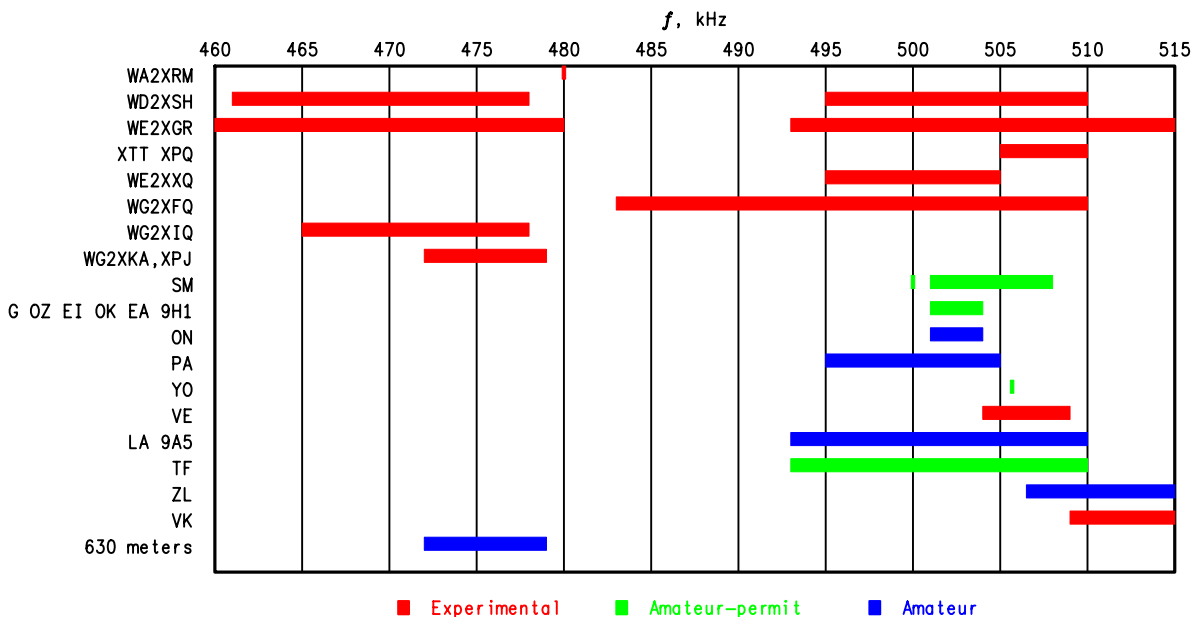


Figure 2. Worldwide amateur activity near 500 kHz.

Ken Robertson K5DNL was issued experimental license WG2XXM on December 3. He is authorized to transmit 1 W ERP from 472 to 479 kHz using CQ, PSK-31, FSK-31, and MSK-31. He is located in Shawnee, OK and was on the air immediately after the license was approved.

7. INTERNATIONAL AMATEUR ACTIVITIES

Polish amateurs gained access to 630 meters on February 18. They are allowed 1 W ERP from 472 to 479 kHz. Bulgarian amateurs also now have access.

Amateurs in the following countries now have permission to use the 630-meter band:

Germany, Greece, Malta, Monaco, Norway, Phillipines, Czech Republic, Ireland, Switzerland, New Zealand, Finland, Spain, France, Poland, Burgaria.

An Australian station, VK3FI, is operating a beacon on 473 kHz. It is located between Melbourne and Sidney.

HB9ASB is reported to be operating a beacon on 473.1 kHz.

8. HERITAGE (MUSEUM) OPERATIONS

Appendix D identifies the known heritage stations in the USA.

9. REGULATORY

Nothing new to report. The FCC has yet to act upon the NPR for 137 kHz.

10. MISCELLANEOUS

The ARRL News (01/23/14) reports that Walt Ireland WB7CSL passed away on January 20. Walt along with Paul Rinaldo W4RI was involved in getting the WD2XSH license underway.

11. PLANS

There are no special plans for spring quarter.

APPENDIX A. WD2XSH STATISTICS

STATION	CALL	STATUS	11/30/12		02/28/13		LAST LOG
			HOURS	QSOs	HOURS	QSOs	
WD2XSH/1	W1NZR	Inactive	4	3	4	3	02/13
WD2XSH/2	W5TVW	Inactive	13	22	13	22	08/07
WD2XSH/5	KW1I	ON	97	57	106	57	02/14
WD2XSH/6	W5THT	Temp off	11936	194	12268	202	01/14
WD2XSH/7	W5JGV	ON	24930	1	26689	1	02/14
WD2XSH/8	N4ICK	Inactive	0	0	0	0	-
WD2XSH/9	W2ILA	Inactive	10	27	10	24	05/10
WD2XSH/10	W4DEX	Inactive	2390	30	2390	30	05/13
WD2XSH/11	WS4S	Inactive	810	12	810	12	11/10
WD2XSH/12	AI8Z	ON	34913	26	36886	26	02/14
WD2XSH/13	K0J0	SK	997	7	997	7	08/08
WD2XSH/14	W1FR	ON	702	11	744	11	02/14
WD2XSH/15	W50R	OFF	14140	2	14142	2	05/13
WD2XSH/16	WE0H	Inactive	1356	16	1357	16	02/14
WD2XSH/17	AA1A	Inactive	11802	23	11802	31	03/12
WD2XSH/18	N1EA	Inactive	3959	0	3959	0	04/08
WD2XSH/19	K9EUI	ON	1415	3	1415	3	02/14
WD2XSH/20	N6LF	Moved	2473	7	2543	7	02/14
WD2XSH/21	W0RW	Dropped	652	0	652	0	02/11
WD2XSH/22	WB2FCN	Inactive	-	-	-	-	-
WD2XSH/23	K2ORS	Inactive	112	1	112	1	08/09
WD2XSH/26	W7WKR	ON	-	-	536	0	02/14

WD2XSH/28	KL7Q	Inactive	72	6	72	6	08/13
WD2XSH/29	KN8AZN	SK	499	5	499	5	01/13
WD2XSH/31	WA1ZMS	ON	31390	8	33261	8	02/14
WD2XSH/34	W0RPK	Moved	153	1	153	1	04/11
WD2XSH/35	K0HW	Inactive	11	0	11	1	11/12
WD2XSH/36	W5GHZ	Inactive	1180	0	1180	0	08/10
WD2XSH/37	W1XP	ON	7161	16	7162	17	02/14
WD2XSH/38	KN1H	ON	2514	2	2549	2	02/14
WD2XSH/41	W1HK	Inactive	19	13	19	13	04/13
WD2XSH/42	K2LRE	ON	161	0	184	0	02/14
WD2XSH/44	AC6QV	QRT (Moved)	72	0	72	0	08/12
WD2XSH/45	KL7UW	Inactive	180	6	180	6	02/14
WD2XSH/46	NO3M	Now WG2XJM	1612	5	1612	5	10/12
TOTAL	02/28/13	10 ON	143,787	504			
TOTAL	05/31/13	10 ON	149,332	504			
TOTAL	08/31/13	14 ON	153,713	504			
TOTAL	11/30/13	15 ON	157,733	514			
TOTAL	02/28/14	12 ON	164,393	522			

Notes:

Operating hours and QSOs are derived from logs through February 28, 2014. The statistics in this appendix were compiled by Rudy Severns using the Excel logs submitted by the stations. Decreases in the number of operating hours or QSOs from the previous total indicate correction of errors. Several stations are off the air because of health problems, equipment problems, or relocation. "ON" means operation within the past year. Stations who do not submit logs each month are subject to an automatic QRT order and must remain off the air until their log has been brought up to date.

APPENDIX B. US EXPERIMENTAL LICENSES

CALL	NUMBER	QTH	f, kHz	ERP, W	DATES	NOTES
WA2XRM	1	CO	480	100	01/01/09 - 01/01/14	
WD2XSH	43	USA	495 - 510 461 - 478	20	09/13/06 - 08/01/15	
WE2XGR	8	New England	493 - 515 460 - 480	1000	09/05/07 - 04/15/15	
WE2XFX	1	OK	505 - 510	20	07/27/07 - 07/26/12	Exp.
WE2XTT	1	PA	505 - 510	1500*	09/08/08 - 09/01/13	
WE2XPQ	1	AK	505 - 510	50	06/05/08 - 06/01/18	
WE2XVY	1	AZ	500 - 510	200	12/09/08 - 12/01/10	SK
WF2XAU	1	FL	505 - 510	10	06/23/09 - 01/01/10	Exp.
WF2XXQ	1	FL	495 - 505	500	10/14/11 - 10/01/16	
WG2XCT	1	SC	465 - 510	500	03/14/12 - 03/01/14	
WG2XFQ	1	VA	483 - 510	20	06/08/12 - 06/01/14	

WG2XIQ	1	TX	465 - 478	1	09/12/12 - 09/01/14
WG2XJM	1	PA	460 - 480	100	10/24/12 - 11/01/14
			495 - 515	100	
WG2XKA	1	VT	460 - 490	1	10/24/12 - 11/01/14
WG2XPJ	1	VT	472 - 479	1	05/14/13 - 05/01/15
WG2XUX	1	KS	472 - 429	1	08/29/13 - 09/01/15
WG2XXM	1	OK	472 - 479	1	12/03/13 - 12/01/15

* RF output to antenna

APPENDIX C. FOREIGN AMATEUR/EXPERIMENTAL BANDS

The following table gives the amateur/experimental authorizations that were in force at some time prior to approval for amateur operation in the 630-meter band. Some of these allocations have been or will be phased-out concurrent with approval of amateur operation.

COUNTRY	TYPE	BAND, kHz	ERP, W
Sweden	NoV	500, 501 - 508	20 CW, SSB, data
Germany	Exp	505.0 - 505.2	9
Czech Republic	Exp	501-504, 505.60	10
UK	NoV	501 - 504	10
Belgium	Amateur	501 - 504	5
Canada	Exp	504 - 509	20
Norway	Am/Herit	493 - 510	100 (RF) CW only
Romania	NoV	505.68	100 (RF)
Denmark	NoV	501 - 504	20
Ireland	NoV	501 - 504	10 CW, PSK-31
Netherlands	Amateur	495 - 505	5
Iceland	NoV	493 - 510	100 CW
New Zealand	Amateur	505 - 515	20 200 Hz
Croatia	Exp	493 - 510	
Australia	Exp	505 - 515	
Spain	NoV	501 - 504	5 100 Hz
Malta 9H1	Amateur	501 - 504	10
Italy	NoV	501	One station
Finland	Amateur	472 - 479	1
France	Amateur		One station

The following countries have approved amateur operation in the international 630-meter band (472 - 479 kHz):

Germany, Greece, Malta, Monaco, Norway, the Phillipines, Czech Republic, New Zealand, Australia, Switzerland, Finland, Spain, France, Poland, Burgaria.

This list has been changing frequently and is no doubt incomplete.

APPENDIX D. HERITAGE STATIONS

CATEGORY	CALLSIGN	FREQUENCIES	OPERATOR / QTH
Coastal	KSM	500, 426	MRHS, Bolinas, CA
	KFS		
	KPH	500, 426	MRHS, Bolinas, CA
	KLB	500, 488	Seattle, WA
	WLO	500, 438	Mobile, AL
New	WNE	500, 472	NEHRS, Stoneham, MA
	KDR	500, 482	Bellevue, WA
	WFT	500, 486	KZ4RV, Palmeto, FL
USCG	NMC	500, 448, 472	Bolinas, CA
	NMN	500, 448, 468	Chesapeake, VA
	NOJ	500, 416, 470	Kodiak, AK
Ships	KKUI		SS American Victory
	KYVM		SS Red Oak Victory
	KECW		SS Lane Victory
	KXCH		SS Jeremiah O'Brien
	KHRC		SS Matsonia
	NWVC	500, 512	LST325, Evansville, IN
	NTTH	500, 512	USS Cassin Young, Charleston, MA
	NEPL		USS Massachusetts, Fall River, MA
	NWKJ		USS Yorktown, Charleston, SC
Foreign	LGQ	493 - 510	Rogaland, Norway
	LM500LGN	493 - 510	Bergen, Norway

APPENDIX E. US PART-15 OPERATORS

<i>f</i> , kHz	ID	QTH	OPERATOR
510.1	HI	Monroe, CT	
510.903	EH	East Haven, CT	K1RGO
515.15	U	Magdalena, NM	Mike Mideke - Inactive

APPENDIX F. CANADIAN 500-kHz STATIONS

CALL	OP	QTH	STATUS
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VX9BDQ	VE7BDQ	Delta, BC (near Vancouver)	Active
VX9MRC	VO1NA	Torbay, NFLD	Active
VX9ZZZ	VE1ZZ	Nova Scotia	Active
VX90HH	VE30HH	Richmond Hill, Ontario	Inactive