

**WD2XSH status report: June 1 - August 31, 2012****Prepared by Fritz Raab, W1FR, Experiment Coordinator****September 30, 2012****1. SUMMARY OF OPERATIONS**

This report provides a summary of WD2XSH activity during the Summer 2012. The key statistics of our operations during this period are:

- Number of QSOs: no additional, total 492;
- Number of reports via web site: 258 additional, total 15,207;
- Operating hours: 5,730 additional, total 134,881; and
- Number of interference complaints: 0.

All statistics are based upon the end of the reporting period (08/31/12). Only transmitting hours are included.

**2. ADMINISTRATIVE**

Nothing has been done on the recommendations modification to the WD2XSH license. It appears that ARRL attorney is not going to put the modification forward.

**3. COMMUNICATIONS**

A few WD2XSH stations have remained active during the summer, mostly in beacon modes including WSPR.

Juan Granados K4LCD has put his experimental station WF2XQQ on the air, mainly in WSPR mode. He is located in Miami, Florida. New experimental station WG2XIQ is also on the air.

John Langridge, KB5NJD, was issued experimental license WG2XIQ on September 12. He is authorized to operate from 465 to 478 kHz and has been on the air in WSPR mode.

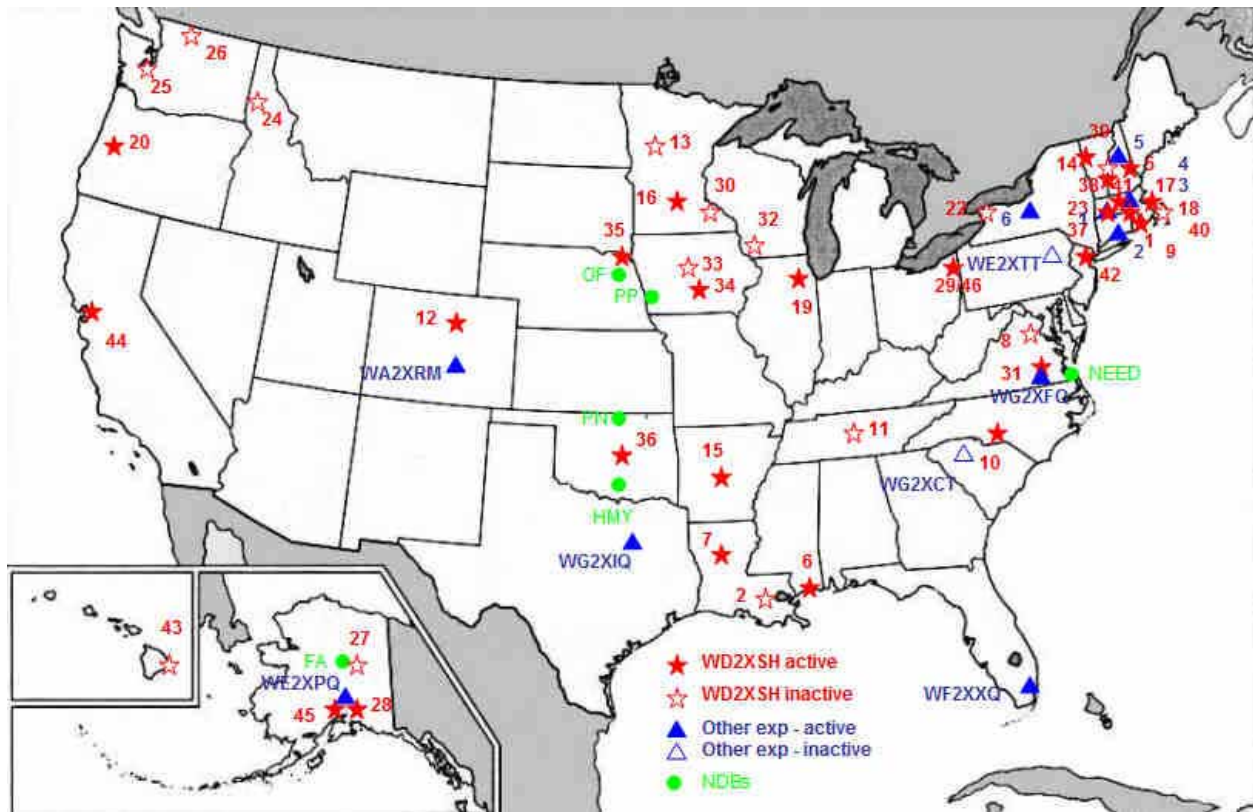


Figure 1. Locations and status of US 500-kHz experimental stations.

#### 4. ACTIVITIES

Nothing to report.

#### 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.

W0RW again reports that the HA-DGPS station in Colorado is on the air.

## 6. OTHER US EXPERIMENTAL LICENSES

The frequency bands of US and foreign amateur and experimental licenses are shown in Figure 2. The parameters of U.S. experimental licenses are given in Appendix B, and the known unlicensed (part-15) operators are given in Appendix E.

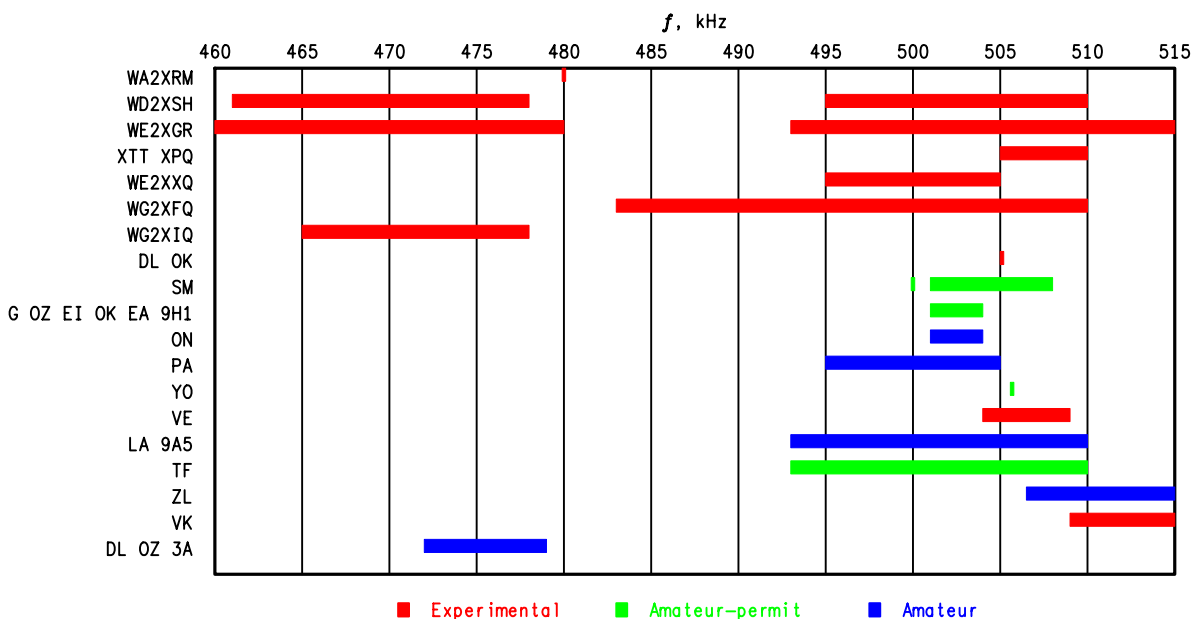


Figure 4. Worldwide amateur activity near 500 kHz.

John Langridge KB5NJD has been issued experimental license WG2XIQ. He is authorized to operate from from 465 to 478 kHz from Duncanville, Texas.

Eric Tichansky NO3M, who operates as WD2XSH/46, applied for his own license on September 10. He has been assigned WG2XJM.

## 7. INTERNATIONAL AMATEUR ACTIVITIES

Nothing to report.

## 8. HERITAGE (MUSEUM) OPERATIONS

The MRHS "Night of Nights XIII" was held on July 12 to commemorate the last commercial CW transmission. Stations KPH, KFS, and KSM participated. Operations occurred on both HF and MF (500 kHz).

Appendix D identifies the known heritage stations in the USA.

## 9. REGULATORY

Petitioning for a US amateur band is on the agenda for the September 29 meeting of the ARRL Executive Committee.

## 10. PLANS

We expect that activity will increase during the fall and winter months.

### APPENDIX A. WD2XSH STATISTICS

STATION	CALL	STATUS	02/29/12		05/31/12		LAST LOG
			HOURS	QSOs	HOURS	QSOs	
WD2XSH/1	W1NZR	Inactive	4	3	4	3	04/12
WD2XSH/2	W5TVW	Inactive	13	22	13	22	08/07
WD2XSH/5	KW1I	ON	63	57	64	57	08/12
WD2XSH/6	W5THT	ON	9932	180	10234	180	08/12
WD2XSH/7	W5JGV	ON	18580	1	19830	1	08/12
WD2XSH/8	N4ICK	Inactive	0	0	0	0	-
WD2XSH/9	W2ILA	Inactive	10	27	10	24	05/10
WD2XSH/10	W4DEX	ON	2029	30	2029	30	08/12
WD2XSH/11	WS4S	Inactive	810	12	810	12	11/10
WD2XSH/12	AI8Z	ON	31008	25	31733	25	08/12
WD2XSH/13	KOJO	SK	997	7	997	7	08/08
WD2XSH/14	W1FR	ON	517	10	517	10	08/12
WD2XSH/15	W5OR	OFF	14140	2	14140	2	08/12
WD2XSH/16	WE0H	Inactive	1186	16	1186	16	08/12
WD2XSH/17	AA1A	ON	11802	23	11802	31	03/12
WD2XSH/18	N1EA	Inactive	3959	0	3959	0	04/08
WD2XSH/19	K9EUI	Inactive	1339	3	1351	3	02/12
WD2XSH/20	N6LF	ON	2402	7	2402	7	03/12
WD2XSH/21	WORW	Dropped	652	0	652	0	02/11
WD2XSH/22	WB2FCN	Inactive	-	-	-	-	-
WD2XSH/23	K2ORS	Inactive	112	1	112	1	08/09
WD2XSH/28	KL7Q	ON	63	6	63	6	08/12
WD2XSH/29	KN8AZN	ON	493	5	499	5	08/12
WD2XSH/31	WA1ZMS	ON	18660	8	20795	8	08/12
WD2XSH/34	WORPK	OFF (Moved)	153	1	153	1	04/11
WD2XSH/35	K0HW	Inactive	11	0	11	1	08/12

WD2XSH/36	W5GHZ	Inactive	1180	0	1180	0	08/10
WD2XSH/37	W1XP	ON	6493	7	6493	16	08/12
WD2XSH/38	KN1H	ON	2052	2	2064	2	08/12
WD2XSH/41	W1HK	ON	18	13	18	13	08/12
WD2XSH/42	K2LRE	ON	54	0	100	0	08/12
WD2XSH/44	AC6QV	QRT (Moved)	72	0	72	0	08/12
WD2XSH/45	KL7UW	ON	173	6	175	6	08/12
WD2XSH/46	NO3M	ON	45	0	1344	0	08/12
TOTAL 08/31/11	19 ON		106,158	451			
TOTAL 11/30/11	16 ON		114,172	451			
TOTAL 02/29/12	13 ON		121,743	490			
TOTAL 05/31/12	18 ON		129,081	492			
TOTAL 08/31/12	18 ON		134,811	492			

**Notes:**

Operating hours and QSOs are derived from logs through August 31, 2012. The statistics in this appendix were compiled by Ralph Wallio WORPK 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 or equipment problems. "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 Engl and	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 - 06/01/13	
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	495 - 510	5	03/14/12 - 03/01/14	
WG2XFQ	1	VA	483 - 510	20	06/08/12 - 06/01/14	
WG2XI Q	1	TX	465 - 478	1	09/12/12 - 09/01/14	

\* RF output to antenna

**APPENDIX C. FOREIGN AMATEUR/EXPERIMENTAL BANDS**

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
Denmark	Amateur	472 - 479	
Germany	Amateur	472 - 479	
Monaco	Amateur	472 - 479	

**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

### APPENDIX F. CANADIAN 500-kHz STATIONS

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

### APPENDIX G. COMMUNICATION RECORDS

The reception and QSO distances (in miles) below have been compiled by Ralph Walio WØRPK.

STATION	CW	QRSS	DI G I T	AUTO*	SSB	QSO
WD2XSH/1	56	--	--	--	--	56
WD2XSH/2	778	--	--	--	--	775
WD2XSH/5	1,508	1,508	--	--	--	1,315
WD2XSH/6	3,434	6,679	--	--	--	2,079
WD2XSH/7	3,212	8,903	1,951	4,866	--	266
WD2XSH/9	1,155	--	--	--	--	649
WD2XSH/10	3,767	4,369	701	5,305	--	747
WD2XSH/11	1,039	4,515	--	--	--	884

WD2XSH/12	1,811	1,811	1,306	2,357	--	1,696
WD2XSH/14	1,467	1,467	--	--	--	747
WD2XSH/15	930	1,432	--	1,420	--	377
WD2XSH/16	1,535	854	1,074	718	--	1,089
WD2XSH/17	3,668	4,032	--	4,611	--	1,308
WD2XSH/18	3	--	--	--	--	--
WD2XSH/19	1,814	465	392	--	--	782
WD2XSH/20	4,737	--	--	--	--	2,301
WD2XSH/23	1,185	--	--	--	--	690
WD2XSH/28	91	--	--	--	--	91
WD2XSH/29	687	1,048	669	1,090	--	669
WD2XSH/31	2,057	3,348	--	--	--	751
WD2XSH/34	1,060	--	669	273	--	669
WD2XSH/35	1,321	--	--	--	--	1,209
WD2XSH/36	--	--	--	--	--	--
WD2XSH/37	1,098	--	--	3,489	--	467
WD2XSH/38	1,468	1,468	--	524	--	238
WD2XSH/41	14	--	--	--	--	14
WD2XSH/42	731	--	--	--	--	357
WD2XSH/44	1,448	--	--	--	--	--
WD2XSH/45	96	--	--	2,893	--	91
WD2XSH/46	1,396	--	26	2,113	--	--
WE2XGR/1	2,293	473	473	--	1,286	975
WE2XGR/2	3,771	4,137	1,407	4,735	1,209	3,379
WE2XGR/3	1,094	3,700	1,476	4,650	671	670
WE2XGR/5	174	527	--	--	--	174
WE2XGR/6	4,253	1,205	--	4,870	3,139	3,713
WE2XGR/8	238	--	--	--	--	238
WA2XRM	623	2,441	--	--	--	--
WE2XPQ	96	1,335	--	--	--	--
WF2XXQ	--	--	--	1258	--	--
WF9HI X	--	--	--	--	922	--
VX9BDQ	2,695	2,461	--	2,086	--	--
VX9MRC	2,532	3,106	--	1,071	--	2,532
VX9ZZZ	2,505	--	--	--	--	2,505

\*NOTE: AUTO includes PC-based beacon modes WSPR/WOLF/OPERA/ROS/JT65, etc., which are not being used for QSOs.