

WRBL in Columbus, GA received in Pembroke Pines, FL  
Image Courtesy of Chris Dunne

## A GOOD MONTH FOR GULF TROPO

The Official Publication of the Worldwide TV-FM DX Association



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DX REPORTS/PICS FROM: Russ Edmunds (PA), Ryan Grabow (FL), and John Jefferson (OR)

Let's feature your DX in the next VUD. Send it in!

# THE WORLDWIDE TV-FM DX ASSOCIATION

*Serving the UHF-VHF Enthusiast*

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: DOUG SMITH, GREG CONIGLIO, KEITH MCGINNIS AND MIKE BUGAJ.



*Editor and publisher:* **Ryan Grabow**

*Treasurer:* **Keith McGinnis** [wtfda.org](http://wtfda.org) *Webmaster:* **Tim McVey**

*Forum Site Administrator:* **Chris Cervantez**

*Editorial Staff:* **Jeff Kruszka, Keith McGinnis, Fred Nordquist, Nick Langan, Doug Smith, John Zondlo and Mike Bugaj**

*Website:* [www.wtfda.org](http://www.wtfda.org); *Forums:* <http://forums.wtfda.org>



## The Mailbox

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P.O. Box 501 Somersville, CT 06072

Mike Bugaj - Enfield, CT [mikeb@wtfda.org](mailto:mikeb@wtfda.org)



**April 2016**

March was another ho-hum month except for DXers down on the Gulf coast where they had a bout of trans-Gulf tropo. While they were reaping the benefits of the cold front that was creating the tropo, the rest of us were recipients of some pretty lousy weather as a storm rode along the front and then moved up the east coast. It looks like many of us will have to wait for spring to really settle in before we see any tropo, and in some cases that may be mid-April. In the meantime, enjoy your other hobbies.

### MEMBERS AND MORE

Dues were received during the period from Feb 16<sup>th</sup> through Mar 7<sup>th</sup> from Jon Zeis (PA), Frank Merrill (IL), Juan Gualda (FL), Robert Steadman (WI), Harry Hayes (PA), Ron Hunsicker (PA), Michael Schaffer (PA), Jeff Wolf (MD), Richard Porter (IOL), Gerard Hart (NY), Dave Nieman (PA), Paul Crego (NY), Lee Baca (CA), David Cox (AL) and Allan Dunn (MA). Thank you all for supporting WTFDA with your dues.

A question came up the other day regarding Paypal. The question was how many WTFDA members use Paypal for sending in their dues. After checking my paperwork I discovered that almost 60 per cent of the monies we received came in by Paypal. Checks are now in the minority! I've noticed that stores like Dollar General now take Paypal. Paypal has come a long, long way.

### MEXICAN NEWS

A couple of items caught my attention while browsing Raymie's Blog on the WTFDA Forums. The first was an item from the IFT which said that analog shadow channels and those analog stragglers who haven't transitioned to digital yet must change by **September 30** and must shut off their analog signals by **December 31<sup>st</sup>** according to penetration thresholds. That means to me that as of January 1<sup>st</sup>, 2017 *everyone* must be digital.

The IFT also presented some statistics that showed that of the 698 analog stations in Mexico, 238 analog stations shut off before December 31, 2015, another 299 shut off ON December 31, 2015, 348 were still on the air in analog and 152 were brand new DTVs.

There were 884 shadow channels in Mexico. 152 of them were new DTVs, 198 shut down before December 31<sup>st</sup>, 2015, 186 shut off on December 31<sup>st</sup> and 348 stayed on the air in analog.

The second item concerns FM broadcasting in Mexico, where the IFT has approved new 400kHz station spacing throughout the country. Prior to this, the only 400kHz spacing was in Tijuana and in Mexico City. Look for a ton of new FM stations in the future for Mexico although there probably won't be many within 320km of the US Mexico border.

## PROP LOGGERS

Date	utc	Message	Server
Mar21	22:48	Really sorry to hear about another LPFM in San Antonio. That place has been a disaster	
Mar21	22:47	comment2, <a href="http://moodkick.ning.com/profiles/blogs/token-jc-xp">http://moodkick.ning.com/profiles/blogs/token-jc-xp</a> , zqgsrt, <a href="http://moodki">http://moodki</a>	
Mar21	22:43	comment3, <a href="http://moodkick.ning.com/profiles/blogs/aimersoft-dvd-ripper-272-serial-key">http://moodkick.ning.com/profiles/blogs/aimersoft-dvd-ripper-272-serial-key</a>	
Mar21	22:40	comment1, <a href="http://moodkick.ning.com/profiles/blogs/sumotori-dreams-maps">http://moodkick.ning.com/profiles/blogs/sumotori-dreams-maps</a> , =-[[[, <a href="http:">http:</a>	
Mar21	22:32	comment4, <a href="http://moodkick.ning.com/profiles/blogs/windows-7-64-bit-243">http://moodkick.ning.com/profiles/blogs/windows-7-64-bit-243</a> , 680370, <a href="http">http</a>	
Mar21	22:29	comment2, <a href="http://moodkick.ning.com/profiles/blogs/dota-ai-ru">http://moodkick.ning.com/profiles/blogs/dota-ai-ru</a> , qhgeoa, <a href="http://moodkic">http://moodkic</a>	
Mar21	22:26	comment4, <a href="http://moodkick.ning.com/profiles/blogs/world-office-2010">http://moodkick.ning.com/profiles/blogs/world-office-2010</a> , 179991, <a href="http:///">http:///</a>	
Mar21	22:23	Any one of the other links has potential to be malware or ransomware. They should als	
Mar21	22:22	comment6, <a href="http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:504072">http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:504072</a> , 909638, h	
Mar21	22:18	comment5, <a href="http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:446847">http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:446847</a> , mux, <a href="http">http</a>	
Mar21	22:18	But then, there are millions voting for Trump, so...just sayin'... (63.243.37.162)	
Mar21	22:17	[19:19] Hard to believe there ARE people dumb enough to click on them. (63.243.37.	
Mar21	22:15	comment6, <a href="http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:524176">http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:524176</a> , 8]], <a href="http">http</a>	
Mar21	22:01	comment6, <a href="http://moodkick.ning.com/profiles/blogs/10-424">http://moodkick.ning.com/profiles/blogs/10-424</a> , 201657, <a href="http://moodkick.ni">http://moodkick.ni</a>	
Mar21	21:58	comment4, <a href="http://moodkick.ning.com/profiles/blogs/token-jc-xp">http://moodkick.ning.com/profiles/blogs/token-jc-xp</a> , 285, <a href="http://moodkick.:">http://moodkick.:</a>	
Mar21	21:54	comment1, <a href="http://moodkick.ning.com/profiles/blogs/1175-05-07-2015">http://moodkick.ning.com/profiles/blogs/1175-05-07-2015</a> , :DDD, <a href="http://mood">http://mood</a>	
Mar21	21:51	comment5, <a href="http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:382696">http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:382696</a> , zhlcgw, h	
Mar21	21:44	comment6, <a href="http://moodkick.ning.com/profiles/blogs/torque-windows-7">http://moodkick.ning.com/profiles/blogs/torque-windows-7</a> , afow, <a href="http://moo">http://moo</a>	
Mar21	21:36	comment4, <a href="http://moodkick.ning.com/profiles/blogs/dead-space-2-15">http://moodkick.ning.com/profiles/blogs/dead-space-2-15</a> , dze, <a href="http://moodk">http://moodk</a>	
Mar21	21:33	comment4, <a href="http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:231007">http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:231007</a> , 55678, ht	
Mar21	21:29	comment5, <a href="http://moodkick.ning.com/profiles/blogs/goofball">http://moodkick.ning.com/profiles/blogs/goofball</a> , :-DD, <a href="http://moodkick.ni">http://moodkick.ni</a>	
Mar21	21:26	comment2, <a href="http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:562163">http://moodkick.ning.com/profiles/blogs/6493195:BlogPost:562163</a> , fmjk, <a href="http">http</a>	
Mar21	21:16	comment6, <a href="http://moodkick.ning.com/profiles/blogs/mp3-323">http://moodkick.ning.com/profiles/blogs/mp3-323</a> , :-]], <a href="http://moodkick.nin">http://moodkick.nin</a>	
Mar21	21:12	comment2, <a href="http://moodkick.ning.com/profiles/blogs/ps-vita-11">http://moodkick.ning.com/profiles/blogs/ps-vita-11</a> , gferj, <a href="http://moodkick">http://moodkick</a>	
Mar21	21:02	Well, so much for DX reports./cdEL96 (172.56.28.141)	

Recently I took a quick look at that logger some of you use to post real-time DX and found the above. I was amazed by the lack of security on this site where people can post anonymously and spam the site for days.

This is one of the reasons that WTFDA member Ed Phelps created the WTFDA Bulletin Board on vci.net. It's a real-time logger for WTFDA members. It is safe and secure. A username and password is required to enter the site. It's very much used during DX season, as you could tell from the logs published in previous VUDs. Chit-chat happens during non-DX periods (it was deleted for VUD publication.) The address for the site is <http://wtfdadxb.vci.net>. If you want to use the bulletin board, contact Ed Phelps or myself and we can give you a username and password if you don't supply us with one.

Stay safe and secure and have a great DX season!

**PLEASE SEND IN YOUR RENEWAL DUES VIA PAYPAL TO [SALES@WTFDA.ORG](mailto:SALES@WTFDA.ORG)**

**DO NOT SEND THEM TO ANY OTHER EMAIL ADDRESS!! PLEASE USE [SALES@WTFDA.ORG](mailto:SALES@WTFDA.ORG) ONLY**

We are not responsible for dues sent to any other email address. See back cover of your VUD for more.

## THE CONVENTION!



Dxers in AM, FM and TV, including the NRC, IRCA, WTFDA and DecalcoMania will gather on September 9-11, 2016 in Kansas City, MO. It will be held at the Hyatt Place Kansas City Airport, 7600 NW 97<sup>th</sup> Terrace, I-29 sw of exit 10.

Hotel Registration: 1-816-891-0871x3, ask for the group rate for the National Radio Club. The group code is G-NRCC. Reservations will need to be secured by 8/18/16.

<http://kansascityairport.place.hyatt.com/en/hotel/home.html> Rates are \$99.00 per night for 1 to 3 persons per room plus taxes and fees. Plan to arrive on Thursday for 3 nights and ends on Sunday

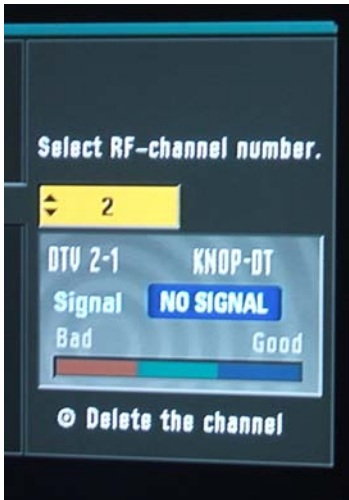
noon. Free airport transfers and breakfast each morning.

Convention Registration: \$55.00 per person which includes a free Friday evening pizza party and Saturday evening banquet. Checks made payable to NATIONAL RADIO CLUB and sent to ERNEST J. WESOLOWSKI, 13312 Westwood Lane, Omaha, NE 68144-3543. Pay-Pal available – add one dollar. Please mention which clubs you belong to for club treasury info. Dale Hamm, Mark Durenberger, Carl Dabelstein and Ernie are your hosts.

That is all for this month. See you next time. –Mike ([mikeb@wtfda.org](mailto:mikeb@wtfda.org))

# TV News

Douglas E. Smith  
 1389 Old Clarksville Pike  
 Pleasant View, TN  
 37146-8098  
[w9wi@w9wi.com](mailto:w9wi@w9wi.com)  
<http://www.w9wi.com>



**April 2016**

## Abbreviations:

- Aux **A**uxiliary (backup) transmitter
- FTP **F**ailure to **P**rosecute
- ROA **R**equest of **A**pplicant
- STA **S**pecial **T**emporary **A**uthority
- LPDTV **L**ow **P**ower **D**igital **T**V
- DRT **D**igital **R**eplacement **T**ranslator

## News:

(full-power digital stations in **bold face**; LPTV and translators in regular type; full-power analog stations in **bold italics**; low-power analog stations in *regular italics*)

Location	RF Ch	Callsign	Notes
<b>Chihuahua</b>			
<b>Chihuahua</b>	<b>24</b>	<b>XHCHZ-TDT</b>	<b>Network change to Canal 5</b>
<b>Chihuahua</b>	<b>26</b>	<b>XHFI-TDT</b>	<b>Network change to Canal de las Estrellas</b>
<b>Coahuila</b>			
<b>Torreon</b>	<b>26</b>	<b>XHTOB-TDT</b>	<b>Network change to Gala TV</b>
<b>Torreon</b>	<b>35</b>	<b>XELN-TDT</b>	<b>Network change to Canal 5</b>
<b>Durango</b>			
<b>Durango</b>	<b>17</b>	<b>XHDUH-TDT</b>	<b>Network change to Canal de las Estrellas</b>
<b>Durango</b>	<b>22</b>	<b>XHDI-TDT</b>	<b>Network change to Canal 5</b>

Location	RF Ch	Callsign	Notes
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### Alabama

Mobile	42	WMOE-LP	Application for new station, 54 watts, 30-36-44/87-38-41; digital companion to analog 12
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### Arkansas

Fort Smith	20	KFLU-LD	Requests power increase to 5kw, 36-08-49/94-11-13 (Springdale)
Paragould	26	KPMF-LD	Call changed from K26MF; requests power increase to 7.5kw, 35-16-32/89-46-37; granted
Texarkana	32	KLIA-LD	Requests power increase to 6kw; new to air, 33-25-06/94-31-39
Texarkana	35	KLFI-LP	Converted to digital, 8kw



### California

Banning	5	KRVD-LP	requests site change to 34-11-17/117-42-12
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### Colorado

Glenwood Springs	23	KREG-TV	Tower height increased to 774m
Grand Junction	2	KREX-TV	Tower height decreased to -36m
Steamboat Springs	38	KYLN-LD	Call changed from K38NS




### Delaware

Georgetown	42	W42EI	Requests power reduction to 415 watts, 38-57-31/74-55-20
Rehoboth	33	W33DP	Requests power reduction to 423 watts, 38-57-31/74-55-20



### Florida

Ocala	35	WRCZ-LD	Call changed from W35CZ
Stuart	42	WHDT	Requests power increase to 1000kw

Location	RF Ch	Callsign	Notes
			
<b>Georgia</b>			
Atlanta	26	WLVO-LD	Power increased to 15kw, 33-48-26/84-20-22
Augusta	16	WAGT-CD	Call changed from WDRW-CD
Augusta	28	WJEA-LD	Call changed from W28EA
Macon	49	W49EO	Requests power increase to 6kw; requests site change to 33-06-57/83-48-43
Suwanee	24	WVND-LD	Requests power increase to 15kw, 33-44-40/84-21-35
Swainsboro	43	W43CY	Site changed to 32-10-16/81-44-03




<b>Idaho</b>			
Boise	25	KFLL-LD	Granted power reduction to 6kw



<b>Illinois</b>			
Peoria	14	W14DL	Requests power increase to 15kw, 40-37-12/89-17-14 (Goodfield)
Peoria	32	W32EF	Requests power reduction to 6kw; requests power increase to 15kw, 40-37-12/89-17-14 (Goodfield)
Peoria	35	W35DE	Requests power reduction to 6kw
Quincy	40	W40DM	Requests site change to 39-07-16/90-58-11
Rockford	17	W17DN-LD	Requests power change to 15kw, 42-42-30/89-04-28; granted
Rockford	22	W22EE	Site changed to 42-17-32/88-58-04; requests power increase to 15kw, 42-42-30/89-04-28
Rockford	24	W24EB	Requests site change to 41-39-54/90-08-14; granted & on the air; requests increase to 15kw, 41-18-44/90-22-45 (WQAD-TV channel 8 tower near Moline)
Rockford	40	W40DF	Requests site change to 41-39-54/90-08-14



<b>Indiana</b>			
Evansville	27	W27DH	Requests site change to 38-14-32/86-25-12
Fort Wayne	38	WEIJ-LD	Call changed from W38EA
Terre Haute	23	W23DZ	Requests power increase to 6kw
Wolcott	49	W49DS	Requests power reduction to 6kw, 41-06-50/86-46-34 (near Winamac)

Location	RF Ch	Callsign	Notes
			
<b>Iowa</b>			
Cedar Rapids	24	KRUB-LD	Power increased to 6kw, 42-04-52/91-41-44
Cedar Rapids	45	KCDR-LD	Power decreased to 6kw, 42-04-52/91-41-44
Fort Dodge	28	K28NF	Site changed to 42-00-27/94-14-26; requests further site change to 41-40-24/94-33-09
Ottumwa	17	K17LU	Granted power reduction to 6kw; requests site change to 41-11-04/92-38-52
Sioux City	6	KØ6QG	Requests power increase to 3kw, 42-09-40/96-10-27
Sioux City	16	KEJK-LD	Requests power reduction to 6kw, 42-04-09/96-10-03








<b>Kansas</b>			
Manhattan	21	KKSU-LD	Converted to digital, 3.37kw; requests site change to 39-11-37/96-34-36
Topeka	20	K20KR	Requests site change to 38-48-20/95-43-03 (between Carbondale & Scranton)
Topeka	35	K35KX	Requests site change, see K20KR above
Topeka	46	K46MA	Granted site change to 39-00-44/95-01-46



<b>Kentucky</b>			
<b>Bowling Green</b>	<b>16</b>	<b>WNKY</b>	<b>Tower height increased to 190m</b>
Bowling Green	32	WKUT-LD	Site changed to 37-05-35/86-03-49 (Park City); requests power reduction to 3kw, 37-28-38/85-53-52 (Upton)
Bowling Green	35	WCTZ-LD	Site changed to 36-28-21/86-40-54; requests power reduction to 2kw, 36-16-04/86-47-44 (Richland Tower, Nashville, Tenn.)



<b>Louisiana</b>			
Crowley	36	K36MG	Granted power reduction to 6kw; requests site change to 30-14-45/92-00-30
Lafayette	43	K43MS	Granted power increase to 6kw; requests site change to 30-13-18/92-03-49
Lafayette	47	K47NC	Granted power reduction to 6kw; requests site change to 30-13-18/92-03-49
Lafayette	48	K48MK	Granted power reduction to 6kw; requests site change to 30-06-22/92-04-22

Location	RF Ch	Callsign	Notes
			
<b>Maryland</b>			
Salisbury	32	WGDV-LD	Call changed from W32EK
			
<b>Michigan</b>			
Detroit	19	WUDL-LD	Moved from ch. 47, 11.6kw, 42-26-52/83-10-23
Kalamazoo	26	WJGP-LD	Call changed from W26BX
Lansing	27	WLNM-LD	Call changed from W27CN
Midland	25	W25ET	Requests site change to 43-44-17/84-00-49 (Linwood)
Midland	38	W38FK	New to air (DTV America); requests site change to 43-44-17/84-00-49 (Linwood)
Midland	42	W42EJ	New to air, 44-03-31/84-23-54 (DTV America); requests power increase to 6kw, 43-44-17/84-00-49 (Linwood)
Midland	49	W49EG	Granted power reduction to 6kw; new to air (DTV America); requests site change to 43-42-56/84-45-29 (Rosebush)
			
<b>Mississippi</b>			
Clarksdale	18	WQEK-LD	Requests power increase to 7.5kw, 35-16-32/89-46-37; granted; call changed from W18EK
Lumberton	33	W33DT	Granted site change to 29-55-12/90-01-28
			
<b>Missouri</b>			
Columbia	14	K14OI	Site changed to 38-45-12/93-20-05; requests further site change to 38-46-45/93-50-35
Jefferson City	32	K32KV	Requests site change to 38-46-45/93-50-35
Joplin	18	K18JV	Granted site change to 36-11-56/95-43-31
Joplin	26	K26KY	Site changed to 36-30-26/95-27-14
Joplin	39	KZLL-LD	Requests site change to 36-11-56/95-43-31
			
<b>Nebraska</b>			
Lincoln	14	K14NW	Requests power reduction to 6kw, 40-55-43/96-58-23
Lincoln	19	K19JI	Requests power reduction to 6kw, 40-55-43/96-58-23
Lincoln	25	K25LK	Requests site change to 40-55-43/96-58-23



Location	RF Ch	Callsign	Notes
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Lincoln	40	K4ØLJ	Requests site change to 40-55-43/96-58-23
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### New Mexico

Gallup	48	K48GK	Converted to digital, 350 watts
Santa Fe	19	K19JK	Requests power reduction to 500 watts
Santa Fe	50	K50MI	Requests power increase to 6kw
Silver City	25	K25DI	Converted to digital, 228 watts



### New York

Rochester	42	WNIB-LD	Call changed from W42CO
White Lake	39	W51BN	Moved from ch. 51, 500 watts



### North Carolina

Lumberton	41	WHEH-LD	Granted power increase to 6kw
Lumberton	50	W50EQ	Requests power reduction to 6kw, 34-40-26/79-02-21
Wanchese	6	WMTO-LP	Requests power increase to 3kw, 35-50-48/75-37-19 (ANALOG station)
Sylva	2	W02AF	Converted to digital, 50 watts, 35-22-01/83-13-17
Washington	39	WGDO-LD	Requests site change to 35-20-35/77-17-04







### Ohio


Canton	25	WUEK-LD	Call changed from W25EK
Canton	43	W43DB	Requests site change to 41-29-13/81-41-01



### Puerto Rico

Guaynabo	3	WZNA-LD	Call changed from WVTE-LD
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Location	RF Ch	Callsign	Notes
			
<b>South Carolina</b>			
Florence	35	WUCV-LD	Granted power increase to 15kw, 34-59-13/81-16-49
Myrtle Beach	40	W4ØDJ	Requests power increase to 6kw; requests site change to 33-31-15/79-30-32
			
<b>South Dakota</b>			
Lead	5	KHSD-TV	Call changed from KIVV-TV
Lead	10	KQME	Call changed from KHSD-TV
Rapid City	2	KHME	Call changed from KOTA-TV
Rapid City	7	KOTA-TV	Call changed from KEVN-TV
			
<b>Tennessee</b>			
Jackson	50	W50EH	Requests site change to 35-52-43/87-44-12
			
<b>Texas</b>			
Beaumont	16	K16JC	Requests power reduction to 500 watts, 30-03-43/93-58-50 (KDVE-AM tower, Vidor)
Beaumont	19	K19JY	Granted site change to 30-06-34/94-01-41
Beaumont	23	K23MJ	Granted power increase to 10kw, 30-06-34/94-01-41
Beaumont	40	KBMN-LD	Requests power reduction to 5kw, 29-45-28/94-18-25
College Station	41	KTJX-LD	Site changed to 30-29-02/97-38-47; requests power reduction to 3kw, 30-19-23/97-47-58 (KKMJ-FM tower, Austin)
College Station	49	K49LC	Power increased to 6kw
Lufkin	25	K25LV	Granted site change to 31-44-18/94-35-31
Lufkin	33	K33KO	Granted power decrease to 6kw, 31-44-18/94-35-31; requests site change to 32-03-05/94-18-15
Lufkin	38	K38MD	Requests site change to 31-44-18/94-35-31
Lufkin	41	K41LW	Requests site change to 31-44-18/94-35-31
Lufkin	47	K47NF	Requests site change to 31-39-43/95-05-10; requests further site change to 32-00-48/95-20-57 (Jacksonville)
Port Arthur	18	K18JK	Requests power reduction to 500 watts, 30-03-43/93-58-50 (KDVE-AM tower, Vidor)
Rio Grande City	5	KRGT-LD	Application for new station, 3kw, 26-18-09/98-37-17; digital companion channel for analog 6
Sherman	38	KGNE-LD	Requests power increase to 6kw; requests site change to 34-08-46/96-53-24 (Mannsville)

Location	RF Ch	Callsign	Notes
			
<b>Virginia</b>			
Crozet	15	W15DW	Requests power increase to 6kw, 37-53-47/78-19-45
Crozet	29	W29EO	Requests site change to 37-39-06/78-28-48
Crozet	31	W31EC	Requests power reduction to 1kw; requests power increase to 2kw, 38-18-19/78-19-16
Crozet	34	W34EV	Requests site change to 37-39-06/78-28-48
Crozet	35	W35DJ	Requests power increase to 6kw, 37-53-47/78-19-45
Crozet	38	W38FW	Requests power increase to 6kw, 37-53-48/78-19-45



<b>Washington</b>			
Cle Elum	6	KDMD-LD	Site changed to 47-09-37/120-47-33; granted & on the air; call change from KØ6QH; CL changed from Ellensburg
Seattle	23	K23KI	Power reduced to 50 watts, 47-19-29/121-53-18
Spokane	17	KWSU – 0819ABA	Requests power increase to 1kw, 47-34-45/117-17-48; Digital Replacement Translator for ch. 10 Pullman



<b>West Virginia</b>			
Summersville	16	WZTS-LD	Granted site change to 37-55-40/80-58-11



<b>Wisconsin</b>			
Wausau	19	W19DR	Requests power reduction to 3kw, 44-49-07/89-03-18
Wausau	21	W21DG	Requests site change to 44-33-13/89-35-22
Wausau	29	W29EH	New to the air (DTV America) (Kokomo, Indiana)
Wausau	34	W34EO	Requests power increase to 15kw, 44-38-13/89-51-23
Wausau	47	W47EK	Requests power reduction to 3kw, 44-49-07/89-03-18



<b>Wyoming</b>			
Casper	16	K16JI	New to air, 12.6kw, 42-51-00/106-21-46 (Gray TV)

Many thanks to Raymie Humbert for the Mexican information.

# FM Facilities Report

April 2016

Check FM Database at <http://db.wtfda.org> for technical data, formats, slogans and RDS Data for Individual Stations not shown in this Monthly Report.

Abbreviations:		
AF- New Station Applied For	NS-New Station Permit Granted	RA>Returns to the Air
Aux- Auxiliary Backup Transmitter	NW-New Station on the Air	ROA-Request of Applicant
CC- Call Change	PC-Power/Height Change Granted	XG-new site granted
CL-City of License	PG-Power Change Granted	XC-transmitter site changed
CX-Canceled	QG-Frequency Change Granted	

Once again this month we find dozens and dozens of grants for FM translators to struggling AM stations.

AK	Fairbanks	90.9	KWRK-LP	NW 64-51-23/147-48-26 (Alaska Peace Center)
AL	Huntsville	102.5	W273CX	QG from W260BJ-99.9, 99w, 34-47-37/86-37-51; CL from Tupelo, Miss.; relays WBHP 1230
AL	Irondale	97.9	W250CA	QG from W262AR-100.3, 32w, 33-32-54/86-39-56; CL from Brewton; relays WQOH 1480
AL	Brent	93.3	W227DD	QG from W297AO-107.3, 250w, 33-09-36/87-30-54; relays WTSK 790
AL	Jasper	101.9	WQJJ-LP	QC from 100.1
AL	Goshen	100.3	WAOQ	PG<86m, 31-48-37/86-01-22
AL	Boaz	93.5	W228DD	XG 34-12-15/86-09-10; CL from Hillsboro; relays WBSA 1300
AL	Birmingham	105.9	W290CN	PG>99w, 33-29-19/86-47-58; relays WBHM 90.3
AL	Capshaw	98.1	W251AC	PG<180w; relays WLOR 1550
AL	Florence	105.9	W290CZ	PG>250w
AL	Fort Payne	104.5	W283CM	QG from W284CA-104.7; relays WSGN 91.5
AL	Decatur	107.9	WAJF-LP	PG>96m, 34-30-43/86-50-55
AR	Benton	93.7	K277BT	QC from 103.3, 200w, 34-36-05/92-26-56; CL from Pine Bluff; relays KAFN 690
AR	Fayetteville	106.1	K291CK	QG from K277AZ-103.3, 36-08-50/94-11-13; CL from Osceola, Mo.; relays KOFC 1250
AR	Harrison	97.5	K248DA	QG from K264AT-100.7, 250w, 36-14-49/93-05-07; CL from Fordyce; relays KNWA 1600
AR	Morrilton	92.5	K223CR	QG from K242BI-96.3, 35-08-52/92-52-05; CL from Brinkley; relays KVOM 800
AR	Van Buren	96.7	K244FJ	QG from K261DZ-100.1, 35-21-15/94-25-53; CL from Pittsburg, KS.; relays KFPW 1230
AR	Bigelow	96.9	KWLR	PG>19kw
AR	Clarendon	104.1	KBRI	PG>24kw/102m, 34-40-30/91-12-47
AR	Marion	100.7	W264CO	FC: to relay WCRV 640
AZ	Phoenix	106.7	K294CW	QG from K291CI-106.1, 60w, 33-35-47/112-05-31; CL from Baker, Cal.; relays KASA 1540
AZ	Mesa	93.9	K230BT	QG from K259AS-99.7, 45w, 33-29-33/111-38-23; CL from Globe; relays KBSZ 1260
AZ	Phoenix	102.9	K275CL	QG from K246CH-97.1, 80w, 33-29-33/111-38-23; CL from Tuba City; relays KIKO 1340
AZ	Globe	92.7	KXTW-LP	QG from 95.9
AZ	Phoenix	106.7	K294CW	QG from K291CI-106.1, 60w, 33-35-47/112-05-31; CL from Baker, Calif. relays KASA 1540
AZ	Winslow	89.1	K206DH	PG>205w; relays KAWZ 89.9
BC	Alert Bay	105.1	CBRY-FM	PG>360w/-42m

CA	Crescent City	106.7	K294CX	QG from K262AU-100.3, 250w, 41-45-35/124-11-28; CL from Coos Bay, Ore.; relays KPOD 1240
CA	Jackson	96.5	K243CH	QG from K267BX-101.3, 130w, 38-23-39/120-45-47; CL from Tonopah, Nev.; relays KVGC 1340
CA	Quartz Hill	104.7	K284CD	NW 8w, 34-32-50/118-12-44 (Ondas de Vida Network); relays KGBM 89.7
CA	San Bernardino	107.1	K296GS	FC to KPCC 89.3
CA	Soledad	106.9	K295BZ	NW 10w, 36-12-25/121-08-15 (King City Communications Corp.); relays KRKC-FM 102.1
CA	Modesto	107.9	KXOK-LP	CX, off over a year
CA	San Pedro	100.7	KCLA-LP	NW 392m, 33-44-51/118-19-55 (Civic Light Opera Cultural Arts Academy)
CA	Stockton	105.3	K287BS	PC>170w, 37-55-37/121-23-45; relays KEBR 88.1
CA	Pacific Grove	90.3	KAZU	PC 3.1kw/189m
CA	Lancaster	107.1	K296GX	QG from K251BK-98.1, 100w, 34-42-42/118-10-33; CL from Three Points; relays KOSS 1380
CA	Oxnard	102.5	K273CT	QG from K285GO-104.9, 100w, 34-14-13/119-12-09; CL from Solimar Beach; relays KUNX 1400
CA	Sacramento	98.1	K251CA	QG from K279CE-103.7, 240w, 38-30-17/121-33-36; CL from Davis; relays KJAY 1430
CA	Stockton	92.7	K224FB	QG from K273CI-102.5, 200w, 37-57-34/121-15-28; CL from Paradise; relays KWG 1230
CA	Mecca	104.3	KHCV	CC from KFUT
CA	Mendocino	101.9	KUNK	QG from 92.7, 132m, 39-27-54/123-45-28
CA	North Shore	105	KVGH-FM	CC from KVGH
CA	Riverside	102.3	K272FQ	QG from K292GS-106.3, 45w; relays KCAA 1050
CA	Santa Barbara	94.1	K231CR	QG from K285GU-104.9, 99w, 34-25-07/119-41-10; relays KSPE 1490
CA	Victorville	106.1	K291CM	QG from K279BS-103.7, 75w, 34-36-40/117-17-20; CL from Lompoc; relays KVTR 1590
CA	Azalea	90.3	K212FD	PG>22w, 41-13-21/122-17-50; relays KVIP-FM 98.1
CA	Alturas	97.9	KMAI-LP	PG<-78m, 41-29-51/120-32-19
CA	Fresno	103.3	KOFP-LP	PG 84m, 36-44-05/119-47-27
CA	Fresno	100.7	K264CK	QG from K231CC-94.1, 150w, 36-50-52/119-54-06; CL from Portola; relays KHOT 1250
CA	Mammoth Lakes	99.9	K207EZ	QC from 89.3; relays KDOX 91.3
CA	Paso Robles	105.3	K287BU	QG from K288BO-105.5, 35-37-35/120-42-43; relays KAWZ 89.9
CA	Redding	98.7	K254CN	QG from 105.5, 80w, 40-39-18/122-31-21; CL from Dunsuir
CA	Stockton	102.1	K271BX	PG<13w, 37-57-30/121-16-55; relays KLRS 89.3
CA	Willows	98.3	K252FN	QG from K270BS-101.9, 39-31-44/122-10-09; CL from Westwood; relays KIQS 1560
CO	Nunn	96.9	KIMX	QC from 96.7, 4.3kw/115m, 40-46-51/104-53-15
CO	Denver	104.7	K284CI	QC from K296GQ-107.1, 99w, 39-43-45/105-14-08; CL from Pine Bluffs, Wyo.; relays KDCO 1340
CO	Montrose	106.1	K291CL	QG from K285GK-104.9, 250w, 38-29-18/107-50-52; CL from Debeque; relays KAVP 1450
CO	Sterling	92.9	K223BV	QC from 92.5, 200w; CL from Atwood; relays KCGC 94.5
CO	Boulder	106.3	K292GW	QG from K290BG-105.9, 250w, 40-00-43/105-11-16; CL from Casper, Wyo.; relays KCFC 1490
CO	Pueblo	101.9	K270CM	QG from K297BP-107.3, 250w, 38-16-40/104-39-15; CL from Laramie, Wyo.; relays KKPC 1230
CO	Pueblo	96.5	K243CI	QG from K236CJ-95.1, 38-15-57/104-40-44; CL from Hayden; relays KFEL 970
CO	Manitou Springs	102.1	K271CK	QG from K251BT-98.1, 99w, 38-51-43/104-55-32; CL from Breckenridge; relays KXRE 1490
CO	Arvada	96.9	K245AD	PG<99w, 39-53-31/105-14-19; relays KKCL 1550

CO	Black Forest	102.3	K272FP	QG from K283AS-104.5, 40w, 39-02-47/104-41-38; CL from Hayden; relays KLIM 1120
CO	Eagle	106.3	K292GX	QG from K244ER-96.7, 250w, 37-15-44/107-54-08; relays KIUP 930
CO	Longmont	92.1	K221GI	QG from K260CL-99.9, 50w, 40-23-05/104-44-10; CL from Hayden; relays KRCN 1060
CO	Woodland Park	101.3	K267BR	PG<90w, 38-59-37/105-04-11; relays KTLF 90.5
CO	Steamboat Sprs.	98.9	KTYV	PG>2.1kw/543m, 40-27-16/106-44-34
CO	Falcon	103.3	KHYR-LP	PG<-16m, 38-47-45/104-43-20
CO	Colorado Springs	107.3	K297BQ	QG from K294CH-106.7, 250w, 38-46-15/104-51-20; CL from Divide; relays KQSC 1530
CO	Greeley	101.9	K270CX	QG from K280EQ-103.9, 20w, 40-25-15/104-51-35; CL from Fort Morgan; relays KGRE 1450; QC
CO	Julesburg	95.7	K239CI	PG 20160202ACH 156340
CO	Silverthorne	103.3	K277DB	QG from K276FT-103.1, 110w, 39-33-22/106-06-53; relays KYSL 93.9
CT	Manchester	105.3	W287CS	QG from W278AN-103.5, 250w, 41-46-34/72-33-17; CL from Tupper Lake; relays WNEZ 1230
CT	Willimantic	95.3	W237EL	QG from W262AP-100.3, 125w, 41-42-55/72-11-23; CL from Morrisonville, N.Y.; relays WILL 1400
CT	New Britain	107.3	W297BT	QG from W239AG-95.7, 99w, 41-41-10/72-43-47; CL from Long Lake, N.Y.; relays WRYM 840
FL	Tampa	89.7	WUSF	PG 69kw/295m, 27-50-55/82-15-48
FL	Brooksville	92.5	W223CK	QG from W266AI-101.1; relays WWJB 1450
FL	Melbourne	92.9	W225CI	QG from W259BX-99.7, 250w, 28-02-49/80-40-34; CL from Port Salerno; relays WMMB 1240
FL	Merritt Island	96.5	W243DO	QG from W284CE-104.7, 70w, 30-21-52/81-44-54; relays WYMM 1530
FL	St. Petersburg	97.5	W248CA	XG 27-32-41/82-34-28; CL from Bradenton; relays WWBA 820
FL	Tallahassee	94.3	W232CZ	QG from W222AW-92.3, 99w, 30-30-34/84-20-07; CL from Bloxham; relays WFRF 1070
FL	Gainesville	104.1	WGVC-LP	NW 34m, 29-41-16/82-21-09 (Gainesville SDA Church)
FL	Melbourne	107.5	W298CB	QG from W288CG-105.5, 26-38-21/81-51-51; relays WCRM 1350
FL	Miami	101.9	W270CV	QG from W235CJ-94.9, 160w, 25-46-24/80-11-18; CL from Orlando; relays WOCN 1450
FL	Fort Myers	94.1	W231DC	QG from W251BF-98.1, 220w, 26-39-05/81-51-20; CL from Punta Gorda; relays WFWN 1240
FL	Gainesville	98.9	W255CV	QG from W239BZ-95.7, 70w, 29-37-55/82-25-08; CL from Sandy; relays WAJD 1390
FL	Jacksonville Bch.	98.3	W252DJ	QG from W269BJ-101.7, 110w, 30-16-34/81-33-51; CL from Valdosta, Ga.; relays WKTZ 1220
FL	Orlando	99.3	W257DQ	QG from W268BW-101.5, 28-36-20/81-25-05; CL from Gainesville; relays WRMQ 1140
FL	Sarasota	106.5	WLTQ-FM	CC from WCTQ
FL	Venice	92.1	WCTQ	CC from WLTQ-FM
FL	Panama City	92.9	W225AG	QG from W230CA-93.9; relays WPCF 1290
FL	Sanford	93.3	W227CP	PC>250w, 28-43-20/81-20-39; CL from Orlando; relays WPOZ 88.3
FL	St. Augustine	103.9	W280EY	QG from W258BF-99.5, 240w; relays WSOS 1170
FL	Tallahassee (sic)	96.5	W243CZ	PG>40w, 30-25-40/84-14-56; relays WUJC 91.1
FL	Titusville	104.3	W282CC	QG from W224CE-92.7, 250w, 28-16-54/82-12-30; relays WZHR 1400
FL	Titusville	106.1	W291CW	QG from W269CU-101.7, 250w, 27-58-21/82-47-48; CL from Palm Bay; relays WTAN 1340
FL	Gulf Breeze	107.9	WYHJ-LP	NW 55m, 30-23-27/87-04-00 (Coastline Calvary Chapel)
FL	Rockledge	92.9	WZAY-LP	CC from KRAQ-LP
FL	Seffner	99.1	WVVD-LP	QG from 96.5, 39m, 27-57-54/82-16-45; CL from East Tampa
FL	Hammocks	91.9	WMKL	PG>50kw/106m

FL	Jacksonville	98.5	WRPE-LP	NW 41m, 30-14-44/81-46-17 (Amor y Misericordia la Estacion)
FL	Vero Beach	97.7	WWSH-LP	NW 44m, 27-44-11/80-26-30 (CSN)
FL	Brooksville	92.5	W266AI	QC from 101.1; relays WWJB 1450
FL	Melbourne	97.9	W250BH	PG>250w; relays WPOZ 88.3
FL	WV Palm Beach	104.7	W284CR	XG 26-42-26/80-03-06; relays WFLV 90.7
GA	Brunswick	98.7	W254CP	QG from W270CM-101.9, 31-10-09/81-32-14; CL from Rockledge, Fla.; relays WBGA 1490
GA	Carrollton	106.3	W292EW	QG from W258AM-99.5, 250w, 33-33-54/85-01-02; CL from Five Points; relays WLBB 1330
GA	Columbus	92.1	W221DP	QG from W226AK-93.1, 32-27-59/85-03-22; CL from Sylvester; relays WRCG 1420
GA	Douglasville	104.9	W285FH	QG from W222BC-92.3, 250w, 33-45-48/84-44-28; CL from Sandersville; relays WXJO 1120
GA	Hartwell	104.1	W281BS	QG from W246CX-97.1, 250w, 34-21-28/82-58-36; CL from St. Simons Island; relays WKLY 980
GA	Sylvester	93.1	W226AK	PG>250w, 31-38-22/83-44-58 CX ROA; going for 92.1 Columbus instead; relays WRCG 1420
GA	Vidalia	105.3	W287CR	QG from W297BN-107.3, 250w, 32-13-12/82-26-07; CL from Brunswick; relays WVOP 970
GA	Calhoun	103.5	W278CD	QG from W259CD-99.7, 250w, 34-28-18/84-53-08; relays WEBS 1030
GA	Columbus	97.5	W248CN	QG from W243CE-96.5, 32-27-07/84-58-25; CL from Winder; relays WOKS 1340
GA	St. MDs	94.3	W232DA	QG from W290AX-105.9, 250w, 30-45-47/81-36-40; CL from Waycross; relays WWIO 1190
GA	Tignall	96.7	WMYQ	CC from WSNW-FM
GA	Lawrenceville	103.9	W280EZ	QG from W257CI-99.3, 250w, 33-57-11/83-58-15; CL from Athens; relays WISK 990
GA	Valdosta	94.3	W232DB	QG from W249BI-97.7, 250w, 30-50-50/83-14-14; CL from Quitman; relays WJEM 1150
GA	Montezuma	105.9	W290BD	PC>99w, 32-33-209/83-44-14; relays WRWR 107.5
GA	Tallapoosa	89.7	W209CG	PG>99w, 33-51-38/84-28-56 CX ROA; relays WCLK 91.9
GA	Valdosta	99.1	W256DB	QG from W241BG-96.1, 95w, 30-47-45/83-32-56; relays WSFB 1490
HI	Kaunakakai	95.9	KKHI	QG from 102.3, 780w/521m, 20-50-41/156-54-04
IA	Oelwein	92.3	KKHQ-FM	PC>95kw/297m, 42-40-57/91-52-50
IA	Cedar Rapids	101.5	K268CY	QG from K250BD-97.9, 42-01-40/91-38-25; CL from Stocktown; relays KMJM 1360
IA	Des Moines	94.1	K231CQ	QG from W234CA-94.7, 42-04-38/93-38-54; CL from Eau Claire, Wis.; relays KASI 1430
IA	Sioux Center	101.5	K268CZ	QG from K254CK-98.7, 43-05-01/96-18-19; CL from Clara City, MN.; relays KSOU 1090
IA	Estherville	97.3	K247CJ	QG from K257DM-99.3, 250w, 43-25-47/94-49-22; CL from Glencoe, MN.
IA	Amana	89.5	K211FX	QG from 90.1, 10w; relays KEBR 88.1
IA	IA City	98.5	K253BE	PC>250w, 41-41-02/91-30-31; relays KZIA 102.9
IA	Waukon	99.1	K256CS	QG from K260BJ-99.9, 250w, 43-18-28/91-27-18; CL from Kahoka, Mo.; relays KFXE 1160
IA	Ottumwa	90.3	K212GH	QG from K205CA-88.9, 41-01-04/92-24-40; relays KEBR 88.1
ID	Notus	103.1	K276GE	QG from K231CB-94.1, 250w, 43-50-44/116-45-21; CL from Kennewick South, WA.; relays KTRP 1450
ID	Rexburg	95.1	K236CL	QG from K273BU-102.5, 250w, 43-50-50/111-47-03; CL from Teton Village, Wyo.; relays KRXX 1230
ID	Sandpoint	105.3	K287BT	QG from K259CD-99.7, 250w, 48-18-16/116-32-32; CL from Chelan, WA.; relays KSPT 1400

ID	Boise	94.5	K233DE	QG from K224EO-92.7, 250w, 43-33-57/116-20-14; CL from IDo Falls; relays KSPD 790
ID	Bonnars Ferry	97.3	K247CI	QG from K241CJ-96.1, 15w, 48-41-20/116-20-04; CL from Manson, WA.; relays KBFI 1450
ID	Jerome	94.7	K234CT	QG from K259CL-99.7, 42-43-54/114-25-04; CL from Victor; relays KART 1400
IL	Chicago	88.5	WHPK-FM	PC>160w/45m, 41-47-04/87-36-01
IL	Caseyville	92.7	W224DC	QG from K240EF-95.9, 38-37-47/90-00-40; CL from Kirksville, Mo.; relays WRYT 1080
IL	Monmouth	94.1	W231DA	QG from K223CP-92.5, 205w, 40-54-41/90-38-52; CL from Oakville, Ia.; relays WRAM 1330
IL	Zion	92.5	W223CN	QG from W286CR-105.1, 100w, 42-26-35/88-03-26; CL from Plymouth, Wis.; relays WPJX 1500
IL	Springfield	92.3	W222CG	QG from W296CJ-107.1; relays WFMB 1450
IL	Chicago	88.5	WHPK	CC from WHPK-FM
IL	Evanston	95.9	W240DE	QG from W300CP-107.9, 42-08-20/87-53-09; CL from Pana; relays WKTA 1330
IL	Streator	98.5	W253BX	QG from W235BV-94.9, 41-10-49/88-52-06; CL from Logansport, Ind.; relays WSPL 1250
IL	Vernon Hills	107.1	W296DA	QG from W300CQ-107.9, 70w, 42-15-11/88-23-44; CL from Taylorville; relays WNVN 1030
IL	Elmhurst	102.3	W272DQ	QG from W288CK-105.5, 90w, 41-52-03/87-55-07; CL from Olney; relays WCKG 1530
IL	Fairfield	103.3	W277CZ	QG from W262AZ-100.3, 250w, 38-22-46/88-19-33; CL from Sullivan, Ind.; relays WFIW 1390
IL	Robinson	94.3	W232DC	QG from W262BI-100.3, 250w, 39-00-21/87-46-35; relays WTAY 1570
IL	Rockford	105.3	W287BY	PG<135w, 42-19-48/89-04-58; CL from Oregon; relays WLUV 1520
IL	Salem	92.1	W221DU	QG from W228DA-93.5, 250w, 38-37-56/88-55-02; CL from Centralia; relays WJBD 1350
IN	Culver	98.3	WYMR	XC 41-19-18/68-36-21
IN	Knox	99.3	WKVI-FM	PC<84m, 41-19-18/86-36-21
IN	Evansville	95.7	W239CI	QG from W294BW-106.7, 250w, 37-59-18/87-35-50; CL from Knightstown; relays WSWI 820
IN	Fort Wayne	93.7	W229CO	QG from W262CK-100.3, 250w, 41-06-33/85-11-42; CL from Fennville, MI.; relays WFCV 1090
IN	Hammond	104.7	W284CY	QG from K280FY-103.9, 250w, 41-35-49/87-28-45; CL from Dubuque, Ia.; relays WJOB 1230
IN	Paoli	98.7	W254CO	QG from W273CG-102.5, 250w, 38-32-17/86-28-44; CL from New Harmony; relays WSEZ 1560
IN	Seymour	99.3	W257DO	QG from W277CG-103.3, 250w, 38-58-33/85-53-21; CL from Fort Branch; relays WZZB 1390
IN	Fort Wayne	95.7	WELT-LP	NW 30m, 41-06-56/85-06-42 (Allen Co. Public Library)
IN	Portland	105.3	W287BC	PG>250w, 40-26-11/85-00-56; CL from Anderson; relays WPGW 1440
IN	Muncie	91.3	WWHI	PC>380w/40m, 40-12-03/85-24-30
IN	North Vernon	97.7	W249DG	QG from W297AU-107.3, 250w, 38-59-52/85-38-48; CL from Arcadia; relays WJCP 1460
IN	Elkhart	93.5	WKIL-LP	NW 28m, 41-40-37/85-55-39 (Kingdom Impact Christian Cultural Church)
IN	Frankfort	95.1	W236CR	PG>250w, 39-53-39/86-12-21; relays WTLC 1310
IN	Logansport	97.5	W248CQ	QG from W231BT-94.1, 250w, 40-45-17/86-18-41; CL from Martinsville; relays WSAL 1230
IN	Mount Vernon	106.7	W294BZ	QG from W230BQ-93.9, 37-56-03/87-55-35; CL from Bruceville; relays WRCY 1590
KS	Overland Park	93.7	K229CY	QG from K266BV-101.1, 15w, 39-00-58/94-41-23; CL from Rolla, Mo.; relays KMVG 890



KS	Ellsworth	98.1	K251BM	QG from K243AR-96.5, 250w, 38-54-22/98-51-39; relays KRSL 990
KS	Great Bend	105.1	KXGB-LP	PG>37m, 38-21-46/98-45-50
KS	Hays	94.3	K232FJ	QG from K285GH-104.9, 250w, 38-55-20/99-21-12; CL from Auburn, NE.; relays KAYS 1400
KS	Manhattan	92.7	K224EX	NW 99w, 39-09-21/96-36-44; relays KQLA 103.5
KY	Munfordville	101.7	W269DD	QG from W278AD-103.5, 250w, 37-11-04/85-51-47; CL from Central City; relays WLOC 1150
KY	London	106.9	W295CC	QG from W274BS-102.7, 160w, 37-08-30/84-04-45; CL from Princeton, Ind.; relays WFTG 1400
KY	Somerset	97.7	W249DF	QG from W255CO-98.9, 250w, 37-04-50/84-39-39; CL from Bowling Green; relays WTLO 1480
KY	Whitesburg	95.1	W236CS	QG from W279AM-103.7, 250w, 37-08-46/82-46-01; CL from Rushville, Ind.; relays WTCW 920
KY	Owensboro	92.9	W225CL	QG from W231CR-94.1, 250w, 37-46-30/87-09-32; CL from Mattoon, Ill.; relays WVJS 1420
KY	Paducah	97.5	W248CP	QG from W262BA-100.3, 250w, 37-08-33/88-39-02; CL from Spencer, Ind.; relays WRIK 750
KY	Bowling Green	97.5	W248CF	NW 250w, 36-57-37/86-32-49; relays WKYU-FM 88.9
KY	Lancaster	97.7	W249DI	QG from W234CR-94.7, 250w, 37-47-18/84-40-49; CL from Barbourville; relays WZXI 1280
KY	Lexington	97.7	W249DJ	QG from W288DA-105.5, 38-02-06/84-27-02; CL from Woodland Hills; relays WWTF 1580
KY	Morganfield	107.7	W253BJ	QG from 98.5; relays WUCO 1550
LA	Natchitoches	97.5	KDBH-FM	PG>25kw/100m, 31-40-44/93-03-07
LA	Hammond	103.7	W279DB	QG from W278AT-103.5, 250w, 30-30-31/90-30-19; CL from Winona, Miss.; relays WFPR 1400
LA	Kenner	93.9	W230CL	QG from W226BR-93.1, 35w, 29-58-47/90-16-32; CL from Greenville, Miss.; relays WCKW 1010
LA	Shreveport	93.3	K227CY	QG from K257FJ-99.3, 250w, 32-32-12/93-45-42; CL from Hot Springs, Ark.; relays KOKA 980
LA	Monroe	99.7	K259CU	QG from K256CN-99.1, 32-31-40/92-06-08; CL from Bastrop; relays KRJO 1680
LA	Slidell	99.9	W260CK	FC; to relay WAOY 91.7
MA	Greenfield	107.5	W298CA	QG from W254BF-98.7, 250w, 42-35-20/72-37-05; CL from Ithaca, N.Y.; relays WHMQ 1240
MA	Haverhill	92.1	W249AW	QG from 97.7, 205w, 42-46-23/71-06-01; CL from Lebanon, N.H. rescinded, returned to pending; would have relayed WCEC 1490
MA	WV Springfield	104.5	W283CK	QG from W230BH-93.9, 250w, 42-08-11/72-36-42; CL from Montauk, N.Y.; replaces permit power power increase & site change in Montauk; relays WACM 1490
MA	Milford	101.3	W267CD	QG from W226BU-93.1, 150w, 42-09-19/71-32-53; CL from Saratoga Springs, N.Y.; relays WMRC 1490
MA	Lawrence	98.1	WGUA-LP	PG 119m, 42-39-14/71-13-02
MA	Athol	92.3	W222CH	QG from W226BX-93.1, 120w, 42-35-38/72-12-02; CL from Hanover, N.H.; relays WFAT 700
MA	Cambridge	101.3	W267CE	QG from W252BT-98.3, 42-23-13/71-08-21; CL from Freeport, Me.; relays WJIB 740
MA	Pittsfield	103.3	W277CJ	NW 100w, 42-26-52/73-15-19; relays WUPE 1110
MD	Frederick	105.5	W288DG	QG from W230CF-93.9, 110w, 39-26-24/77-24-40; CL from Bishopville; relays WTRI 1520
MD	Hagerstown	99.3	W257DZ	PG>30w, 39-37-36/77-42-39; CL from Waynesboro, Penna.; relays WWEG 106.9
MD	Pocomoke City	102.1	W271CS	QG from W264BJ-100.7, 250w, 38-21-39/75-37-00; relays WICO 1320

ME	Portland	107.1	W296CZ	QG from W264BG-100.7, 150w, 43-41-26/70-19-05; CL from Benedicta; relays WBAE 1490
ME	South Paris	96.9	W245CQ	QG from W250BB-97.9, 190w, 44-17-47/70-37-05; CL from Houlton; relays WKTQ 1450
MI	Grand Rapids	91.3	WCSG NS	4kw/65m, 42-58-40/85-35-44 (aux)
MI	Athens	99.7	W259CR	QG from W222BS-92.3, 250w, 41-37-24/85-20-49; relays WBET 1230
MI	Detroit	96.7	W244DL	QG from W287CI-105.3, 99w, 42-22-39/83-14-35; CL from Sheboygan, Wis.; relays WEXL 1340
MI	Grand Rapids	104.9	W285FG	QG from W264CT-100.7, 250w, 42-59-40/85-40-31; CL from Shorewood, Wis.; relays WTKG 1230
MI	East Lansing	94.5	W233CH	QG from W255BC-98.9, 190w, 42-42-07/84-24-48; CL from Plainwell; relays WKAR 870
MI	Litchfield	95.9	W240DD	QG from W269DA-101.7, 250w, 45-07-02/94-33-13; CL from Ironwood
MI	Traverse City	101.1	W266CS	1210
MI	Charlevoix	107.9	WLJD	CC from WCZW
MI	Benton Harbor	95.9	W240CZ	NW 250w, 42-04-19/86-22-15; relays WSJM 1400
MI	Grand Haven	94.9	W235CM	QG from W280ET-103.9, 250w, 43-02-22/86-13-46; CL from Whitehall; relays WGHN 1370
MI	Hubbardston	103.7	WSJH	PG>6kw/100m, 43-00-10/84-46-40
MI	Detroit	101.5	W268CN	QG from W240CO-95.9, 99w, 42-26-53/83-10-23; CL from Charlotte; relays WDTK 1400
MI	Grand Rapids	94.1	W231DD	QG from W242CH-96.3, 99w, 42-57-13/85-41-55; CL from Big Rapids; relays WNWZ 1410
MI	Benton Harbor	95.7	W239CJ	QG from W240CZ-95.9; relays WSJM 1400
MN	Big Lake	106.9	W295BZ	QG from K277AS-103.3, 170w; relays WQPM 1300
MN	Breckenridge	94.3	K232FH	QG from K264AY-100.7, 250w, 46-15-48/96-36-31; CL from Chamberlain, S.D.; relays KBMW 1450
MN	Hastings	97.9	K250BO	QG from W280AA-103.9, 250w, 44-44-14/92-49-42; CL from Silver Bay; relays KDWA 1460
MN	Waseca	106.3	K292GU	QG from K256CO-99.1, 250w, 44-02-44/93-23-02; CL from St. Paul; relays KOWZ 1170
MN	St. Louis Park	97.5	KPPS-LP	CC from KUOL-LP
MN	St. Paul	98.1	KENL-LP	PG<-3m, 44-53-30/93-02-25
MN	Albany	107.7	K299BT	QG from K236BB-95.1, 250w, 45-37-53/94-36-00; CL from Fort Dodge; relays KASM 1150
MN	Blue Earth	95.3	K237FO	FC; to relay WDGY 740
MN	Grand Rapids	98.7	K254CC	NW 250w, 47-13-06/93-32-50; relays KDNW 97.3
MN	Owatonna	93.5	K228DR	PC>250w; relays KJLY 104.5
MN	St. Paul	95.7	K239CJ	QG from K284BZ-104.7, 160w, 44-58-34/93-16-20; CL from Des Moines, Ia.; relays KMNV 1400
MO	Boonville	94.9	K235BZ	FC to KHJR 88.1
MO	Canton	101.9	K270CK	NW 250w, 39-56-30/91-35-03 (Covenant Network); relays KEFL 91.5
MO	KSas City	92.9	K225CI	QG from K228FE-93.5, 250w, 39-09-41/94-28-04; CL from Mexico; relays KEXS 1090
MO	Lexington	107.7	K299BS	QG from K296FD-107.1, 39-11-12/93-50-03; CL from Salina, KS.; relays KLEX 1570
MO	Springfield	92.3	K222CT	QG from K262CF-100.3, 250w, 37-12-37/93-16-19; CL from KS City, KS.; relays KICK 1340
MO	WV Plains	105.1	K286CK	QG from K275AF-102.9, 250w, 36-44-48/91-49-56; CL from Houston; relays KWPM 1450
MO	Rolla	104.9	K285GX	QG from K262BJ-100.3, 250w, 37-52-39/91-44-45; CL from Macon; relays KTTR 1490

MO	Warrenton	95.1	K236CK	QG from W269CP-101.7, 38-50-19/91-02-04; CL from Lafayette, Ind.; relays KWRE 730
MO	Hermann	102.9	K275BU	NW 250w, 38-36-05/91-14-28; relays KHJR 88.1
MO	Columbia	96.3	K296GU	QC from 107.1, 250w, 38-57-19/92-16-20; relays KSSZ 93.9
MO	Mexico	103.7	K279CS	PG 20160129ADH 140405
MO	Saint Peters	101.5	K268CT	PC<8w, 38-40-37/90-23-59; relays WHHL 104.1
MO	Springfield	107.1	K296GY	QG from K264CF-100.7, 37-13-25/93-14-30; CL from Saint LAs; relays KGMV 1400
MO	Springfield	107.5	K298CI	QG from K247AT-97.3, 37-11-45/93-19-07; CL from Chanute, KS.; relays KLFJ 1550
MO	Shrewsbury	97.5	K248CW	PG>250w, 38-34-50/90-19-45; CL from Belleville, Ill.; CC from W248CH; relays KHOJ 1460
MS	Courtland	93.7	WTNM PG	11kw/151m, 34-27-56/89-57-00
MS	Beech Springs	92.1	W221DE	FC; sold to WYXI 1390
MS	Booneville	99.7	W259CP	QG from W289BW-105.7, 34-38-21/88-34-33; CL from Verona; relays WBIP 1400
MS	Gulfport	100.9	W265DH	QG from W257BR-99.3, 250w, 30-25-45/89-01-10; CL from Macon; relays WGCM 1240
MS	Summit	93.5	WMPK	NW 6kw/97m, 31-17-07/90-19-10 (Telesouth Communications)
MS	Biloxi	103.5	W278CE	QG from K226BZ-93.1, 250w, 30-23-39/88-59-58; CL from Tallulah, La.; relays WXBD 1490
MS	Laurel	101.1	W266CT	QG from W295AJ-106.9, 250w, 31-31-29/89-14-31; CL from Jackson, Ala.; relays WHJA 890
MS	Meridian	100.5	W263CF	PG<10w, 32-19-38/88-41-28; relays WLYB 96.3
MS	Booneville	99.7	W259CP	NW 250w, 34-38-21/88-34-33; relays WBIP 1400
MS	Jackson	94.3	W232DD	QG from W225BP-92.9, 250w, 32-12-47/90-22-54; CL from Coldwater; relays WPBQ 1240
MS	Jackson	102.5	W273CY	QG from W294AT-106.7, 32-16-41/90-17-40; CL from Macon; relays WTWZ 1120
MS	Grenada	99.3	W257DS	QG from W276BI-103.1, 56w, 32-22-04/86-15-42; relays WMGY 800
MS	Meridian	99.7	W259BP	PG>250w, 32-18-43/88-41-33; relays WYHL 1450
MT	Columbus	94.7	K234CP	FC; to relay KGHL 790
MT	Evergreen	97.9	K250BP	QG from K258BW-99.5, 75w, 48-09-57/114-19-49; CL from Shelby; relays KQJZ 1340
MT	Libby	93.1	KHRU-LP	NW -237m, 48-24-10/115-31-53 (This Hope Radio)
MT	Billings	94.7	K234CP	PC>250w, 45-45-32/108-27-07; CL from Columbus; relays KGHL 790
MT	Great Falls	97.5	K248DB	QG from K221EI-92.1, 250w, 47-36-24/111-21-31; CL from Lewistown; relays KQDI 1450
NC	Asheville	92.9	W225CJ	QG from W237EA-95.3, 99w, 35-35-47/82-36-28; CL from Ironton, OH; relays WPEK 880
NC	Dunn	97.7	W249DE	QG from W263CC-100.5, 250w, 35-17-00/78-35-49; CL from Danville, Va.; relays WCKB 780
NC	Fayetteville	100.1	W261CX	QG from W223AF-92.5, 250w, 35-04-17/78-52-27; CL from Millen, Ga.; relays WFAY 1230
NC	Goldsboro	105.7	W289CG	QG from W235CG-94.9, 250w, 35-22-27/78-00-43; CL from Ogden, N.C.; relays WFMC 730
NC	Goldsboro	92.7	W224DD	QG from W290CJ-105.9, 250w, 35-22-27/78-00-43; CL from Liberty; relays WSSG 1300
NC	Hickory	105.9	W290CW	QG from W259BZ-99.7, 250w, 35-43-20/81-16-38; CL from Blowing Rock; relays WAIZ 630
NC	Hickory	105.9	W290CW	QG from W259BZ-99.7, 250w, 35-43-20/81-16-38 rescinded, remains pending; would have relayed WAIZ 630

NC	Monroe	93.1	W226CD	QG from W260CO-99.9, 180w, 34-58-57/80-32-13; CL from Jesup, Ga.; relays WIXE 1190
NC	Shelby	101.3	W267CC	QG from W286AV-105.1, 20w, 35-17-28/81-34-03; CL from Culloden, Ga.; relays WOHS 1390
NC	Spring Lake	92.5	W223CL	QG from W250AQ-97.9, 250w, 35-11-11/78-57-35; CL from Thomson, Ga.; relays WFBX 1450
NC	Burlington	105.9	W290CX	QG from W248BY-97.5, 250w, 36-06-48/79-27-01; CL from Mountain Lake, Va.; relays WBAG 1150
NC	Chapel Hill	107.9	W300CE	PC>250w; relays WRDU 100.7
NC	Concord	98.3	W252DI	QG from W255BD-98.9, 35-24-43/80-36-42; CL from Darlington, S.C.; relays WTIK 1410
NC	Lenoir	99.5	W258CS	QG from W282BX-104.3, 110w, 35-46-51/81-41-04; CL from Tramway; relays WKGX 1080
NC	Charlotte	106.9	W295CD	QG from W232CX-94.3, 45w, 35-16-34/80-48-00; CL from Barbourville, Ky.; relays WTCG 870
NC	Selma	105.5	W288DH	QG from W265CX-100.9, 99w, 35-36-56/78-24-34; CL from Hampton, S.C.; relays WTSB 1090
NC	Winston-Salem	106.1	W291CX	QG from W275AL-102.9, 250w, 36-09-29/80-10-40; CL from High Point; relays WEGO 980
NC	Boone	94.3	W232CW	NW 45w, 36-13-58/81-41-54; relays WMMY 106.1
NC	Boone	99.1	W256CV	NW 16w, 36-13-58/81-41-54; relays WZJS 100.7
NC	Charlotte	97.5	W248CO	QG from W283AR-104.5, 250w, 35-16-05/80-54-11; CL from Higgston, Ga.; relays WZGV 730
NC	Durham	98.3	W252DK	QG from W234AR-94.7, 250w, 35-58-05/78-53-17; CL from Pocomoke City, Md.; relays WDUR 1490
NC	Greensboro	93.7	W229CH	NW 250w, 36-03-18/79-54-46; relays WCOG 1320
NC	High Point	102.5	W275AL	QG from 102.9, 27w/121m, 35-57-05/80-00-38 CX ROA; going for 106.1 Winston-Salem instead; relays WEGO 980
NC	Boone	95.3	W237EG	NW 30w, 36-13-58/81-41-54; relays WXIT 1200
NC	Boone	96.5	W243DH	NW 14w, 36-13-58/81-41-54; relays WATA 1450
NC	Murphy	105.5	W288DI	QG from W296CE-107.1, 250w, 35-06-43/84-00-29; CL from Lenoir City, TN.; relays WKRK 1320
NC	Waynesville	97.5	W248CM	NW 250w, 35-29-22/82-59-19; relays WTMT 105.9
NC	Franklin	104.9	W286CW	QC from 105.1, 113w; CL from AlAR; relays WNCC 96.7
ND	Devils Lake	99.7	K259CV	QG from K260CM-99.9, 250w, 48-06-42/98-50-43; CL from Redfield, S.D.; relays KDLR 1240
ND	Grafton	93.9	K230BU	QG from K234BO-94.7, 250w, 48-24-43/97-25-25; relays KXPO 1340
NE	Ord	93.9	K230BR	QG from K255BV-98.9, 250w, 41-34-17/98-55-21; CL from O'Neill; relays KNLV 1060
NE	Briggs	98.9	K255CJ	XG 41-15-26/95-59-01; relays KZLW 90.1; NW
NE	North Platte	92.5	K223CQ	NW 250w, 41-08-10/100-45-38; relays KODY 1240
NE	York	103.5	K282BE	QC from 104.3, 40-50-34/97-35-17; CL from Hastings; relays KAWL 1370
NE	Briggs	98.9	K255CJ	XG 41-15-26/95-59-01; relays KZLW 90.1
NE	Ord	93.9	K255BV	QC from 98.9, 250w, 41-34-17/98-55-21; CL from O'Neill; relays KNLV 1060
NH	Wolfeboro	100.7	W264DA	QG from W230BJ-93.9, 250w, 43-35-31/71-13-11; CL from Island Falls, Me.; relays WASR 1420
NH	Keene	106.5	W293AB	PC>45w; relays WHDQ 106.1
NH	Laconia	107.3	W298AH	PC>170w, 43-32-26/71-27-46; relays WEMJ 1490
NJ	Bridgeton	99.9	W260BW	PC<80w, 39-27-31/75-12-12; CL from Egg Harbor; amendment from 250w; relays WSNJ 1240
NJ	Bridgeton	99.9	W260BW	PG<80w, 39-27-31/75-12-12; CL from Egg Harbor City; relays WSNJ 1240
NJ	Manahawkin	93.9	W230CJ	PG>250w; relays WSJO 104.9
NM	Santa Fe	106.3	K292GV	QG from K229AL-93.7, 35-42-05/105-57-58; CL from Questa; relays KDCE 950

NM	Santa Fe	99.9	K260CT	QG from K294BS-106.7, 35-42-05/105-57-58; CL from Hereford, Tex.; relays KSWV 810
NM	Albuquerque	96.9	K245CD	QG from K230BB-93.9, 2w, 35-00-33/106-42-52; CL from Fowler, CO.; relays KDAZ 730
NM	Tijeras	96.7	K244FH	QG from K292FW-106.3, 15w, 35-03-11/106-21-05; CL from Taos; relays KOAZ 1510
NM	Grants	92.7	KDSK-FM	PG 45kw/412m, 35-10-57/107-36-13 CX ROA, remains 265w/818m at old site
NM	Carlsbad	89.3	K207CZ	PG>115w; relays KHRI 90.7
NM	Las Cruces	90.3	K211EN	QC from 90.1, 7w; relays KAWZ 89.9
NM	Las Vegas	90.3	K212EF	FC: transferred from American Family Association to K-Love
NM	Truth or Consequences	95.3	K237GI	QG from K291BC-106.1, 99w, 33-05-48/107-21-28; relays KCHS 1400
NM	Albuquerque	96.9	K245CD	QG from K230BB-93.9, 70w, 35-12-53/106-27-02; CL from Fowler, CO.; relays KDAZ 730
NM	Clovis	106.7	K294CB	PG>250w, 34-23-22/103-10-27; relays KALN 96.1
NM	Hobbs	93.3	K227BY	PG>250w; relays KALN 96.1
NM	Rio Rancho	92.9	K225CH	QG from K297BG-107.3, 99w, 35-13-00/106-27-07; CL from Grants; relays KDSK 1240
NV	Lovelock	103.9	K280GL	QG from K270BT-101.9, 99w, 39-57-35/121-42-41; relays KKXX 930
NV	Reno	94.1	K231CS	QG from K267AQ-101.3, 155w, 39-35-02/119-47-53; CL from Conway Summit, CAF.; relays KHIT 1450
NV	Gardnerville	98.5	K253BH	PG>140w, 39-07-32/119-46-43; relays KYSA 88.3
NY	Long Lake	95.7	W239AG	FC: sold to WRYM 840
NY	Poughkeepsie	98.5	W253BV	QG from W275AT-102.9, 200w, 41-42-18/73-53-16; CL from Four Corners, N.J.; relays WKIP 1450
NY	Auburn	106.1	W291CV	QG from W237CX-95.3, 42-57-05/76-35-05; CL from Smethport, PAa.; relays WKFB 770
NY	DeRuyter	105.1	WOLF-FM	PG 41kw/164m, 42-51-37/75-44-21
NY	Rochester	98.5	WARI-LP	NW 30m, 43-10-37/77-35-27
NY	Mattydale	92.7	W224DF	QG from W288AS-105.5, 50w, 43-05-25/76-11-16; CL from Ithaca; relays WOLF 1490
NY	Middletown	96.7	W260CI	QC from 99.9; relays WZAD 97.3
NY	Amherst	96.5	W243BW	FC: to relay WPIT 730
NY	Freeport	95.9	W240DF	QG from W271BZ-102.1, 190w, 40-38-44/73-34-39; CL from Tiana; relays WGBB 1240
NY	Baldwinsville	89.3	W207BH	PG<1w, 43-10-05/76-20-20; relays WCOV-FM 93.7
NY	Lyons Falls	89.1	W206BH	PG<10w; relays WXLN 89.7
NY	Elmira	93.9	W230BB	PC>99w, 42-01-55/76-47-02; relays WEHH 1600
OH	Cincinnati	101.5	W268CM	QG from W253AJ-98.5, 99w, 39-06-51/84-29-32; CL from Elida; relays WDBZ 1230
OH	Cleveland	94.5	W233CG	QG from W296BO-107.1, 200w, 41-30-48/81-36-05; CL from Springfield; relays WERE 1490
OH	Mansfield	106.9	W295CA	QG from W263CL-100.5, 40-46-14/82-32-34; CL from Youngstown; relays WMAN 1400
OH	Newark	105.5	W288CT	NW 55w, 40-03-04/82-28-30 (Spirit Communications); relays WUFM 88.7
OH	Newark	98.7	W254CT	QG from W233BZ-94.5, 40002-02/82-24-08; CL from Nelsonville; relays WCLT 1430
OH	Columbus	104.5	W283CL	QG from W260CM-99.9, 250w, 39-45-14/83-01-16; CL from Atwood, Ky.; relays WRFD 880
OH	Uhrichsville	101.9	W270CI	PG>250w, 40-25-26/81-21-47; CL from Lawrenceville; relays WBTC 1540
OH	Belpre	107.1	WNUS	PG 3.8kw/127m, 39-20-18/81-30-01
OH	Ashtabula	92.1	W221CT	PG>200w CX ROA; going for 101.5 to relay WINT 1330 instead
OH	Ashtabula	101.5	W268CO	QG from W221CT-92.1, 70w, 41-38-56/81-25-26; relays WINT 1330

OH	Chillicothe	101.9	W270CG	NW 250w, 39-19-16/82-57-09; relays WUFM 88.7
OH	Mount Vernon	100.9	W265DJ	QG from 105.3, 48w, 40-24-16/82-16-26; CL from Carthage, Ind.; relays WMVO 1300
OH	Newark	107.7	W299CG	QG from W278BS-103.5, 250w, 40-03-02/82-28-04; CL from Lucas; relays WHTH 790
OH	Marion	106.5	W293CW	QG from W234BW-94.7, 40-36-50/83-07-47; CL from Parkersburg, W.Va.; relays WMRN 1490
OK	Oklahoma City	95.3	K237GH	QG from K242CO-96.3, 8w, 35-23-55/97-27-05; CL from Enid; relays KTLV 1220
OK	Shawnee	100.9	K265FE	QG from K296FE-107.1, 150w, 35-22-56/97-00-56; CL from Wichita Falls, Tex.; relays KGFF 1450
OK	Bartlesville	99.1	K256CP	QG from K281BQ-104.1, 250w, 36-37-42/96-11-26; CL from McPherson, KS.; relays KPGM 1500
OK	Oklahoma City	103.7	K279CR	QG from K298CD-107.5, 99w, 35-32-51/97-29-30; CL from Coweta; relays KTLR 890
OK	Stillwater	94.3	K232FI	QG from K233BQ-94.5, 250w, 36-10-47/97-00-38; CL from Childress, Tex.; relays KSPI 780
OK	Tulsa	99.1	K256CR	QG from K229CH-93.7, 36-09-35/96-03-09; CL from Lawton; relays KGTO 1050
OK	Chelsea	100.5	KTFR	PG>25kw/92m, 36-27-33/95-29-56
OK	Taft	100.3	KCXR	PG>4kw
OK	Tulsa	103.9	KOKT-LP	PG 42m, 36-05-14/95-53-23; NW
OK	Vinita	101.3	K267CC	QG from K286BV-105.1, 36-34-56/95-01-35; CL from Neodesha, KS.; relays KGND 1470
OK	Duncan	101.7	K271BY	QG from 102.1, 99w, 34-36-27/98-16-26; QC relays KZTH 88.5
OK	Madill	97.3	K247CK	QG from K300BD-107.9, 34-06-30/96-46-36; CL from Stephenville, Tex.; relays KMAD 1550
OK	Tulsa	95.9	K240ED	PG<62w, 36-06-25/95-47-13; relays KYLK 103.7
ON	Ear Falls	97.5	CKDR-4-FM	QG from 1450 AM, 50w/35m
ON	Elk Lake	89.7	CBCG-FM	PG>116w/54m
OR	Coquille	97.7	KRWL-LP	NW -28m, 43-09-01/124-10-19 (Coquille School Dist.)
OR	Pendleton	107.1	KIPC-LP	QG from 96.5, 28m, 45-41-20/118-50-29
OR	Coos Bay	101.1	K266CD	QG from K237FM-95.3, 43-21-16/124-14-30; CL from Crates; relays KWRO 630
OR	Eugene	105.1	K286CJ	QG from K279BU-103.7, 99w, 44-00-04/123-06-45; CL from Husum, WA.; relays KKNX 840
OR	Pendleton	103.1	K276GF	QG from K234CD-94.7, 190w, 45-35-27/118-34-47; CL from Biggs; relays KTIK 1240
OR	Central Point	103.9	K280GM	QG from K276FS-103.1, 250w, 42-25-00/122-51-32; CL from Hornbrook, Calif.; relays KFJL 1400
OR	Coburg	97.7	KEQB	CC from KSHL
OR	Coburg	97.7	KEQB	QC from 97.5, 2.9kw/298m, 44-00-04/123-06-45
OR	Eugene	98.1	K251BN	QG from K243BG-96.5, 44-00-04/123-06-45; CL from Corvallis; relays KSCR 1320
OR	Bend	98.3	KTWS	PG>23kw
OR	Reedsport	92.1	KSYD	PG>600w/103m
OR	Stayton	96.5	KPIK-LP	QG from 102.9, 10m, 44-45-33/122-44-50
OR	Ashland	105.5	K288CP	PC>230w, 42-17-54/122-44-57; CL from Merlin; relays KYVL 106.3
OR	Powell Butte	106.7	K294CV	PG 20160204AFU 89202
OR	Malin	100.7	KLKF	PC>800w/674m
PA	Columbia	107.1	W296CY	QG from W236CE-95.1, 240w, 40-02-57/76-29-34; CL from Gettysburg; relays WVZN 1580
PA	Latrobe	98.7	W254CR	QG from W230BO-93.9, 90w, 40-19-13/79-26-19; CL from Olean, N.Y.; relays WAVL 910

PA	McKeesport	93.3	W227DB	QG from W281AG-104.1, 50w, 40-21-51/79-48-46; CL from Waynesburg; relays WEDO 810
PA	Philadelphia	92.1	W221DS	QG from W273CM-102.5, 70w, 39-57-05/75-09-38; CL from Clayton, N.J.; relays WHAT 1340
PA	Lewistown	92.9	W225CK	QG from W288DE-105.5, 250w, 40-34-20/77-30-51; CL from Williamsport; relays WIEZ 670
PA	Red Hill	103.7	W279DC	QG from W260BD-99.9, 10w-H/30w-V, 40-20-33/75-27-31; CL from Honey Brook; relays WPAZ 1370
PA	Bethlehem	93.3	W227DE	QG from W256BQ-99.1, 250w, 40-37-27/75-21-19; CL from Olean, N.Y.; relays WGPA 1100
PA	Indiana	100.3	W262CU	QG from W229AQ-93.7, 250w, 40-38-16/79-08-49; relays WDAD 1450
PA	Punxsutawney	100.9	W265DI	QG from W231BK-94.1, 250w, 40-57-36/79-00-08; CL from Oswego, N.Y.; relays WECZ 1540
PA	Bloomsburg	106.5	WCFT-FM	CC from WFYY
PA	Eldred	103.9	WBYB	PG 2.6kw/154m, 41-56-48/78-32-00
PA	Elizabethville	100.5	WQBG	CC from WYGL-FM
PA	Mifflinburg	98.3	WRBG	CC from WWBE
PA	Riverside	92.3	WHNA	CC from WVSL-FM
PA	Muncy	105.9	W215AF	QC from 90.9, 10w, 41-13-02/76-57-27; relays WKDN-FM 88.3
PA	Braddock	101.1	W266CV	QG from W224CU-92.7, 99w, 40-28-19/79-59-40; CL from Dryden, N.Y.; relays WZUM 1550
PA	Clearfield	89.5	W208BW	QG from W206CD-89.1, 250w; relays WRPV 90.5
PA	Dickson City	97.5	W248BP	PG>70w; relays WVIA-FM 89.9
PA	Greensburg	105.1	W286CZ	QG from W237CX 95.3, 100w, 40-19-16/79-35-27; CL from Bridgeport, W. Va.; relays WKFB 770
PA	Radnor	95.3	W237EM	QG from W235AP-94.9, 84w, 40-01-58/75-20-15; relays WZZE 88.1
PA	Corry	101.5	W268CJ	XG 41-51-01/79-38-03; relays WXKC 99.9
PA	Dickson City	94.7	W236BV	QC from 95.1, 10w/223m, 41-28-00/75-41-13; relays WCIG 107.7
PA	Scranton	100.5	W263AL	PC>99w, 41-24-34/75-40-01; CL from Avoca; relays WEJL 630
PR	Levittown	88.5	WLUZ	PG>4.67kw/847m, 18-18-36/65-47-41
PR	Caguas	90.9	WODB-LP	PC<-120m, 18-14-08/66-02-12
PR	Mayaguez	90.9	WGZA-LP	PG>3m, 18-13-35/67-09-07
QC	Saint-Léonard	104.5	CHOU-1-FM	NS 50w/22m, to relay CHOU 1450
RI	Hope Valley	104.3	W282CB	QG from W224CT-92.7, 250w, 41-29-41/71-47-06; CL from Saratoga Springs, N.Y.; relays WSKP 1180
RI	Providence	102.1	W271CR	QG from W244AS-96.7, 50w, 41-49-40/71-22-09; CL from Oakhurst, N.J.; relays WPMZ 1110
SC	Charleston	102.1	W271CP	QG from W254BK-98.7, 250wq, 32-49-15/79-57-27; CL from Holly Hill; relays WQNT 1450
SC	Charleston	98.5	W253BW	QG from W243CO-96.5, 240w, 32-49-15/79-57-27; CL from Elloree; relays WQSC 1340
SC	Columbia	103.5	W278CA	QG from W231CP-94.1, 34-02-38/80-59-51; CL from Travelers Rest; relays WCOS 1400
SC	Atlantic Beach	103.5	W278CB	QG from W275AH-102.9, 250w, 33-50-11/78-47-03; CL from Maxton, N.C.; relays WMIR 1200
SC	Charleston	95.5	W238CO	QG from W239AL-95.7, 250w, 32-47-44/79-50-27; CL from Fernandina Beach, Fla.; relays WZJY 1480
SC	Columbia	105.9	W290CY	QG from W298BY-107.5, 250w, 34-04-28/81-03-56; CL from Harlan, Ky.; relays WBAJ 890
SC	Columbia	95.9	W240AX	XC 34-02-38/80-59-51; relays WQXL 1470
SC	Columbia	96.3	W242CR	QG from W270CF-101.9, 155w, 34-02-38/80-59-51; CL from Branchville; relays WGCV 620

SC	North Charleston	103.9	W280EX	QG from W287CC 105.3, 250w, 32-55-42/80-06-13; CL from Ashburn, Ga.; relays WAZS 980
SC	Rock Hill	100.1	W261CY	QG from W255CU-98.9, 250w, 34-54-33/81-00-09; relays WRHI 1340
SC	Rock Hill	93.3	W227DG	QG from W253BM-98.5, 110w, 34-44-18/58-00-59; CL from Moores Mill, Ala.; relays WTTI 1530
SC	Ridgeville	100.9	WAYA-FM	PG>25kw/70m, 32-58-15/80-15-15
SC	Greenville	90.7	W213BD	QC from 90.5; relays KAWZ 89.9
SC	Hilton Head	106.5	W293BZ	NW 250w, 32-13-25/80-51-00; relays WVSC 103.1
SD	Mitchell	89.7	K209FX	QG from K220HB-91.9; relays KLOV 89.3
TN	Clarksville	102.1	W271CO	FC to WKFN 540
TN	Lenoir City	107.1	W296CE	FC; to relay WKRK 1320
TN	Nashville	93.3	W227DC	QG from W241BU-96.1, 36-08-27/86-51-56; CL from Charleston, Ill.; relays WQZQ 830
TN	Lenoir City	102.7	WLNU-LP	CC from WMJB-LP
TN	Memphis	100.3	WVZM-LP	CC from WVMZ-LP
TN	Colonial Heights	96.3	W242CQ	QG from W274AS-102.7, 250w, 36-26-03/82-08-03; CL from Pigeon Forge; relays WPWT 870
TN	Kingsport	97.3	W247CH	QG from W300CX-107.9, 250w, 36-26-03/82-08-03; CL from Norton, Va.; relays WHGG 1090
TN	Waverly	93.5	W228DG	QG from W279CX-103.7, 250w, 36-05-15/87-51-18; CL from Columbia; relays WQMV 1060
TN	Clarksville	104.1	W281BT	QG from W271CO-102.1, 250w, 36-32-31/87-19-32; CL from Morganfield, Ky.; relays WKFN 540
TN	Knoxville	94.7	W256CN	QR from 99.1, 250w, 36-00-09/83-56-40; CL from Pigeon Forge dismissed ROA; would have relayed WETR 760
TN	Memphis	104.9	W285FI	QG from K288FD-105.5, 250w, 35-07-01/90-00-58; CL from Arkadelphia, Ark.; relays WLOK 1340
TN	Morristown	93.3	W227DH	QG from W285EQ-104.9, 250w, 36-11-50/83-16-11; CL from Parkersburg, W. Va.; relays WMTN 1300
TN	Nashville	93.3	W241BU	QC from 96.1, 36-08-27/86-51-56; CL from Charleston, Ill.; relays WQZQ 830
TX	Bangs	90.9	KBNG-LP	NW 49m, 31-43-23/99-07-51 (Bangs Church of Christ)
TX	Wichita Falls	107.9	KXWF-LP	PC 24m, 33-54-44/98-29-32
TX	Fort Worth	102.5	K273CS	QG from K272EB-102.3, 200w, 32-36-04/97-15-22; CL from Woodville; relays KFJZ 870
TX	Longview	99.9	K260CE	XG 32-35-36/94-49-10; CL from Gilmer; relays KFRO 1370
TX	Robstown	92.3	K222CU	QG from K281BX-104.1, 250w, 27-46-40/97-37-57; CL from Kingsville; relays KROB 1510
TX	Sherman	101.3	K267CB	QG from K233CV-94.5, 33-40-34/96-35-04; CL from Arkadelphia, Ark.; relays KJIM 1500
TX	Stephenville	93.9	K230BS	QG from K283AJ-104.5, 250w, 32-10-59/98-17-12; CL from Snyder; relays KSTV 1510
TX	Denton	92.1	KXDE-LP	NW 77m, 33-10-01/97-06-42 (Mision Templo Bethel)
TX	Houston	96.1	K241CM	QG from K224EQ-92.7, 250w, 29-27-56/95-13-23; CL from Kerrville; relays KTEK 1110
TX	Corpus Christi	98.7	K254CL	QG from K231CC-95.1, 230w, 27-46-10/97-26-55; CL from Alice; relays KCTA 1030
TX	Victoria	99.5	KVLJ-LP	PC 38m, 28-48-49/96-59-43
TX	Copperas Cove	103.1	KSSM	PG<167m, 31-05-05/97-56-50
TX	Denton	99.1	KFZO	CC from KDXX
TX	Lewisville	107.9	KDXX	CC from KFZO
TX	Tyler	92.1	KRWR	PG 9.8kw/130m, 32-22-30/95-16-10
TX	Vernon	88.1	KVED	QG from 88.5, 20kw/111m, 34-26-20/99-30-08
TX	San Antonio	99.1	KHJS-LP	PG<22m, 29-32-16/98-29-29



TX	Hollywood Park	93.7	K229BJ	PG<30w, 29-36-54/98-34-42; relays KBNL 89.9
TX	Live Oak	100.7	K264CJ	QG from K288GM-105.5, 150w, 29-36-02/98-23-06; CL from Sweetwater; relays KAHL 1310
TX	Victoria	98.1	K251CB	QG from K248CP-97.5, 28-49-43/97-00-31; CL from Athens; relays KVNN 1340
TX	Copperas Cove	103.1	KSSM	PC<167m, 31-05-05/97-56-50
TX	Idalou	105.7	KRBL	PC>25kw/87m
TX	Sanger	89.7	KAWA	PG>45kw
TX	Uvalde Estates	103.5	KEWP	PG<34m, 29-12-22/99-48-02
TX	Abilene	104.5	K283CJ	QG from K281BP-104.1, 35w, 32-26-39/99-44-02; relays KAGT 90.5
TX	Boerne	101.5	K268CR	XG 29-48-44/98-43-41; CL from San Antonio; relays KBRN 1500
TX	Corpus Christi	95.1	K236CM	PG>250w, 27-46-10/97-26-55; CL from Aransas Pass; relays KSIX 1230
TX	Corpus Christi	103.3	K277BL	PG>250w; relays KSIX 1230; PC
TX	Houston	94.1	K231CN	PG<99w, 29-45-30/95-22-03; relays KODA 99.1; PC
TX	Henderson	98.5	K253CE	QG from K280FH-103.9, 250w, 32-07-36/94-47-57; relays KWRD 1470
TX	Hondo	103.5	K278CK	QG from K279CK-103.7, 100w, 29-22-11/98-56-34; relays KZIC 89.9
TX	Soncy	92.3	K222CL	XG 35-13-25/101-50-21; relays KPQP 106.1
TX	South Padre Is.	106.1	K291CF	XG 26-04-24/97-12-14; relays KBIC 105.7
UT	Tooele	93.7	K229CJ	FC; to relay KSVN 730
VA	Charlottesville	103.1	W276DA	QG from W298BP-107.5, 100w, 37-59-06/78-28-48; CL from Wise; relays WVAX 1450
VA	Falls Church	100.7	W264DB	QG from W244DE-96.7, 100w, 38-52-47/77-10-18; CL from Berryville; relays WFAX 1220
VA	Richmond	101.3	W267CB	QG from W240BE-95.9, 250w, 37-31-40/77-22-48; CL from Newport, OH; relays WLEE 990
VA	Richmond	101.7	W269DC	QG from W279BA-103.7, 250w, 37-30-53/77-30-28; CL from East New Market, Md.; relays WVNZ 1320
VA	Richmond	106.9	W295CB	QG from W258AK-99.5, 250w, 37-30-52/77-30-28; CL from Farmville; relays WREJ 990
VA	Charlottesville	96.7	W244DM	QG from W285EF-104.9, 99w; relays WKAV 1400
VA	Norfolk	92.5	W223CM	QG from W214BJ-90.7, 250w, 36-48-37/76-16-58; CL from Murfreesboro, N.C.; relays WCPK 1600
VA	Petersburg	102.7	W274BX	QG from W279AN-103.7, 250w, 37-14-02/77-22-39; CL from South Boston; relays WTPS 1240
VA	Lakeside	100.9	WJSR	CC from WHTI
VA	Richmond	103.3	WBDB-LP	PG 48m, 37-37-01/77-29-35
VA	Harrisonburg	99.3	W257DR	QG from W235BY-94.9, 240w, 38-23-36/78-46-14; CL from Vineland, N.J.; relays WKCY 1300
VA	Richmond	107.7	W299CE	QG from W294BO-106.7, 37-30-52/77-30-28; CL from Concord; relays WLES 590
VA	Danville	105.9	W290DA	QG from W279AO-103.7; relays WMPW 970
VA	Harrisonburg	103.3	W277CY	QG from W224CH-92.7; relays WPER 89.9
VA	Marion	94.5	W286BN	QC from 105.1, 99w; relays WVTR 91.9
VA	Harrisonburg	107.5	W298BR	PG<4w, 38-26-40/78-44-04; relays WPVA 90.1
VA	Roanoke	92.7	W224BS	XG 37-20-48/80-02-08; relays KAWZ 89.9
VT	Barre	105.7	W289CH	QG from W222BX-92.3, 30w, 44-09-30/72-28-46; CL from Laconia, N.H.; relays WSNO 1450
VT	Middlebury	101.1	W266CU	QG from W250BU-97.9, 250w, 43-59-57/73-09-35; CL from Barre; relays WFAD 1490
VT	Montpelier	93.3	W227DF	QG from W274BU-102.7, 250w, 44-16-49/72-33-30; CL from Burlington; relays WSKI 1240
WA	KY	100.3	KUCP-LP	NW 47m, 47-20-28/122-10-19 (Ukrainian Church of Evangelical Faith)
WA	Longview	99.1	K256CQ	QG from K264BN-100.7, 250w, 46-10-59/122-57-29; CL from Cook; relays KEDO 1400

WA	Bellingham	101.9	K270CL	QG from K227CG-93.3, 20w, 48-47-26/122-31-21; CL from Centralia; relays KWLE 1340
WA	Goldendale	95.9	KRSX	PC>2.2kw/601m, 45-42-43/121-06-59
WA	Centralia	102.9	KFOO	CC from KYNW
WA	Pasco	100.1	KQFO	CC from KRKG-FM
WA	Chelan	92.9	K225CJ	QG from K232EP-94.3, 30w, 45-59-23/118-10-31; relays KGDC 1320
WA	Oak Harbor	99.5	K258CW	QG from K251BW-98.1, 250w, 48-16-56/122-42-26; CL from Centralia; relays KRPA 1110
WA	Oak Harbor	103.3	KMCQ	PG 1.4kw/414m
WA	Pasco	100.1	KQFO	PG>1.9kw/361m, 46-06-15/119-07-48
WI	Chippewa Falls	95.9	W240DC	QG from W221DK-92.1, 250w, 44-53-05/91-23-26; CL from Neillsville; relays WEAQ 1150
WI	Janesville	92.7	W224DE	QG from W288CZ-105.5, 250w, 42-39-35/89-02-32; CL from Beaver Dam; relays WCLO 1230
WI	Oshkosh	98.7	W254CS	QG from W247AZ-97.3, 44-01-40/88-37-39; CL from Berlin; relays WISS 1100
WI	Racine	99.9	W260CV	QG from W286CH-105.1, 250w, 42-42-38/87-49-49; CL from Coleman; relays WRJN 1400
WI	Richland Center	107.7	W299CD	QG from W269CQ-101.7, 160w, 43-18-56/90-25-35; CL from Bloomer; relays WRCO 1450
WI	Milwaukee	98.7	W254CU	QG from W236BR-95.1, 99w, 43-02-49/87-58-52; CL from Reed City, MI.; relays WJYI 1340
WI	Stevens Point	107.1	W296CI	XX to relay WWIS 1260
WI	Medford	98.7	K254CM	QG from W274BW-102.7, 250w, 44-02-31/91-40-47; relays KWNO 1230
WI	Beloit	101.9	W270CW	QG from 96.5, 250w, 42-27-34/89-01-43; CL from Muskegon, MI.; relays WGEZ 1490
WI	Medford	103.3	W277CW	QG from W242BB-96.3, 250w, 45-05-10/92-34-19; relays WIXK 1590
WI	Black River Falls	105.3	W287CT	QG from W296CI-107.1, 250w, 44-19-11/90-53-30; CL from Stevens Point; relays WWIS 1260
WV	Bridgeport	95.3	W237CX	PG<20w, 39-26-41/79-31-42 CX ROA; going for 100w on 105.1 at 40-19-16/79-35-27 instead; relays WKFB 770
WV	Huntington	103.7	W279DA	QG from W249CR-97.7, 250w, 38-23-35/82-28-31; CL from East Liverpool, OH; relays WVHU 800
WV	Morgantown	92.1	W221DR	QG from W235CC-94.9, 39-37-40/79-58-11; CL from Wheeling; relays WCLG 1300
WV	Wheeling	103.9	W280EW	QG from W257DG-99.3, 250w, 40-03-43/80-45-30; CL from New Baltimore, PAa.; relays WBBB 1400
WV	Matewan	106.7	WVKM	PG<670w/297m, 37-38-29/82-04-40
WV	Big Chimney	107.7	W299CF	QG from W269CO-101.7, 185w, 37-58-48/80-49-17; relays WRRL 1130
WV	Bluefield	98.7	W254CV	QG from W226BO-93.1, 22w, 37-15-03/81-11-23; CL from Parkersburg; relays WKEZ 1240
WV	Parkersburg	104.9	W285EQ	FC: to relay WMTN 13
WV	St. Albans	96.7	WWSA-LP	PG<-29m, 38-23-13/81-50-18
WV	Winona	92.1	W221CO	PG>250w; relays WAXS 94.1
WY	Sheridan	103.9	K280GK	QG from K226CB-93.1, 44-47-54/106-55-51; CL from Big Piney; relays KROE 930
WY	South Greeley	88.7	KDNR	PG>2.5kw/127m
WY	Laramie	101.3	K267CD	QG from K240EG-95.9, 1w, 40-25-16/105-15-18; relays KBUD 1570
WY	Cheyenne	97.5	K245BE	QC from 96.9, 130w, 41-08-09/104-48-07; CL from Custer, S.D.; relays KFBC 1240
WY	Jackson	96.7	K244CG	QG from K298BO-107.5, 250w, 44-29-52/109-09-12; relays KODI 1400
WY	Mount View	107.5	K298CH	QG from K296AG-107.1, 41-06-19/110-12-36; relays KUWZ 90.5
WY	Rock Springs	104.7	K284CJ	QG from K290BJ-105.9, 250w, 44-03-34/107-51-13; relays KWOR 1340
WY	Worland	94.1	K231BW	NW 50w/141m, 44-04-00/107-51-50; relays KUWT 91.3
WY	Casper	103.5	K278CJ	QG from K258CD-99.5, 44-20-48/106-43-28; relays KBBS 1450

# PHOTO NEWS



Jeff Kruszka  
1909 Lost Lake Pl.  
Pearland, TX 77581  
[jkruszka@sbcglobal.net](mailto:jkruszka@sbcglobal.net)

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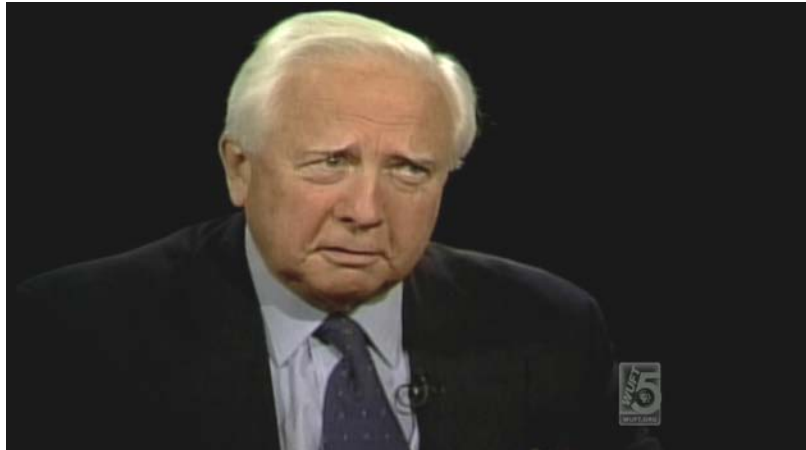
The Gulf Tropo season has arrived, as I had one decent evening (3/14) myself.  
Ryan Grabow also had a good opening northward from his location in Ft. Myers, FL:



WJXT-42 Jacksonville, FL  
257 mi Tr seen 3-2-16  
*"First time received"*



WGFL-28 High Springs, FL  
216 mi Tr seen 3-1-16



WUFT-36 Gainesville, FL  
220 mi Tr seen 3-1-16

# Northern FM DX



Keith McGinnis  
18 Newbridge St., Hingham, MA 02043  
longwave@comcast.net 781-875-1944

For Dxers in the following states: CT IA ID IL IN MA ME MI MN MT ND NE NH NJ NY OH OR  
PA RI SD VT WA WI WY and all of Canada. Please submit by the 10<sup>th</sup> of each month.

EDITOR'S NOTE PLEASE SUBMIT ALL REPORTS IN THE FORMAT SHOWN BELOW.

**Time(tab)Calls(tab)Freq(tab)City(tab)State(tab)details**

Formats can either be plain text, Word or Excel as long as format is adhered to. Any submissions in other formats may not be used at editor's discretion.

**All Submissions must be in to me by the 10<sup>th</sup> of each month.**

**Russ Edmunds  
Blue Bell, PA**

( 15 mi NW of Philadelphia ) Grid FN20id  
Yamaha T-80 & T-85, each w/ Conrad RDS Decoder;  
Onkyo T-450RDS; Tecsun PL-310 ( 2); Sony ICF2010 (2);  
all w/APS9B @ 15'; 2) Grundig G8 w/whip  
<amfmdxer@gmail.com>

## December 25 Es

20:15	WZEW	92.1	Fairhope	AL	Local add, station promo
20:17	WTUG	92.9	Northport	AL	Local ad, ID
20:24	KMLR	91.9	Buras	LA	Spanish religion, RNV ID

## December 28 Es

13:21	unid	89.7			Weather for either SE or SW LA - WPAE, KBIO or KTXB possible
13:30	KJTH	89.7	Ponca City	OK	RDS Capture, funding promo PI 29B9
13:54	KOUA	91.9	Ada	OK	Weather, KGOU ID
14:15	KAWA	89.7	Sanger	TX	"Way FM", ments. Of "DFW" and "Metroplex"

### December 30 Es

12:02	KKTR	89.7	Kirksville	MO	NPR, KBIA ID
12:03	WRPW	92.9	Colfax	IL	RDS Capture PI 8328
12:04	WLUI	89.7	Springfield	IL	End "Pathway to Victory", ID
12:30	unid	89.7			Moody promo - either WBMV-IL or KJCV-MO most likely
13:21	WFIX	91.3	Florence	AL	ID
13:22	KLRE	89.7	Carbon Hill	AL	K-Love - only one in skip zone
13:25	WKZM	89.7	Waynesboro	MS	AFR, local wx
13:34	WBLX	92.9	Mobile	AL	Promo, ID
13:35	WVFS	89.7	Tallahassee	FL	Alt Rock, FL promos
13:38	WIKX	92.9	Charlotte Harbor	FL	Country, ID
13:42	WTUG	92.9	Northport	AI	RDS Capture PI - 88E2
13:47	WMPB	91.3	Jackson	MS	RDS Capture
13:50	WJTG	91.3	Fort Valley	GA	FLR, ID
14:01	WMUM	89.7	Cochran	GA	RDS Capture - PI 766C
14:48	WVOB	91.3	Dothan	AL	Promo for Bethany College, ID

### December 31 Es

11:30	WVFS	89.7	Tallahassee	FL	Alt Metal Rock, FL PSA's
11:42	unid	92.9			Country - WAAC or WIKX ?
12:07	WJTG	91.3	Fort Valley	GA	ID
12:58	KAWA	89.7	Sanger	TX	ID, weather
13:06	unid	89.7			Preacher with Irish accent
13:25	unid	91.3			Black Gospel
13:34	unid	91.3			"Calvary Cathedral Int'l - Pastor Bob Nicholls" - website unhelpful
13:35	KUAP	89.7	Pine Bluff	AR	Jazz, UAPB promo
13:51	KBHN	89.7	Booneville	AR	Southern Gospel, ID
14:04	KNIN	92.9	Wichita Falls	TX	RDS Capture, Alt. Rock PI 3331
14:30	unid	89.7			"Pathway to Victory" followed by "Turning Point"
14:33	unid	91.3			Dr. Michael Yousseff

### January 4 Es

12:26	KDFR	91.3	Des Moines	IA	Religious Choral music, "FR" mention
12:27	KIWR	89.7	Council Bluffs	IA	Concert promo, ID
12:41	KTGL	92.9	Beatrice	NE	RDS Capture PI 42D3

January 5 MS

1:32	WHHI	91.3	Highland	WI	WPR Ideas Net
1:41	unid	91.3			Bluegrass music

January 5 Es

12:03	WHHI	91.3	Highland	WI	WPR Pledge drive
12:41	KSDR	92.9	Watertown	SD	Station event promo, ID
12:47	WELC	92.9	Elk Mound	WI	RDS Capture – PI 5F77
12:56	WUEC	89.7	Eau Claire	WI	RDS Capture, Classical, ID; PI 89E2
12:57	unid	89.7			Contemporary Christian music
12:58	unid	89.7			Folk music
13:00	KNCA	91.3	Appleton	MN	MN PR Pledge drive, ID
13:22	KKJM	92.9	St. Joseph	MN	Contemp. Christian, ID
13:30	KPCS	89.7	Princeton	MN	ID, Starting "Unshackled"

**John Jefferson**

**Madras OR 97741**

All loggings at home w/ McIntosh MR80 tuner & indoor

Terk FM PRO antenna except as noted

New \*

January 1 2015 - SL

0659	KEGB-LP*102.1	Bend	OR	3ABC - no ID on hour (previously monitored in Bend) 41 mi
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January 15 2015 - MS

0819	KRXQ*	98.5	Sacramento	CA	KXRQ in Sacramento - 405 mi
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January 17 - MS

0949	unid	96.5			on Wild Radio....
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January 25 - TR

0901	KSYC*	103.9	Yreka	CA	Siskiyou Country, KSYC Yreka - 225 mi
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January 30 - TR in church parking lot w/ Pioneer car tuner

1500 KWWS\* 89.7 Walla Walla WA NW Public R refs (not heard since!) - 170 mi

Feb 16 GW

1340 KNCP-LP\*107.3 La Pine OR on Grizzly Mtn w/ Pioneer radio - KITC/KNCP calls, La Pine ref - 59 mi

May 6 - MS

0622 KAML 97.3 Gillette WY Basin Radio, Channel FM - 775 mi

May 12 - TR

1642 KZUS\* 92.3 Ephrata WA La Zeta (+ Sp in and out from 1552) - 195 mi

May 17 - ES MUF 100.9

1900 KWRV\* 90.9 Bisbee AZ g, ID - 1070 mi  
KVIT\* 90.7 Apache Junction AZ ID - 910 mi  
1905 XHSOS 97.3 Agua Prieta SO Sp - 1100 mi  
XHSAP\* 98.5 Agua Prieta SO Sp - 1100 mi  
1908 KWCD\* 92.3 Bisbee AZ Johnny Cash (KWRV still in)  
1940 XHUSS\* 92.3 Hermosillo SO en Colinas (suburb of Hermosillo) - 1200 mi  
1943 XHYF\* 91.5 Hermosillo SO Radio Formula en Sonora, Grupo Formula, Radio Sonora refs

May 23 - MS

0814 KKDB\* 92.1 Walnut Creek CA KKDB - 450 mi

June 4 - MS

0911 KXSR 91.7 Groveland CA Grieg piano music veried online - 450 mi

June 5 - MS

0722 KXSR 91.7 Groveland CA Grieg orchestral music - veried online (4kw output!!!)

June 5- ES MUF 92.7

2153	CBWS*	92.7	Brandon	MB	CBC Radio 2, stereo 1075 mi
2154	CKXL*	91.1	Winnipeg	MB	pop music, Fr - 1200 mi
2157	CITI*	92.1	Winnipeg	MB	92 CITI FM

June 9 - MS

0639	unid	92.1			Medicine Shoppe Pharmacy (it's in Regina, Winnipeg, & Orinda CA)
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June 13 - ES 91.5

0930	KUSC*	91.5	Los Angeles	CA	Belesario (opera) aria, good stereo, eventually posted on web site - 715 mi
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June 20 - ES MUF 103.5

1158	KBBY*	95.1	Ventura	CA	So Cal Mercedes-Benz ad, KBBY - 700 mi
1241	XHEPF*	89.1	Ensenada	BCN	Baja ref, La Rancherita - 880 mi (only 89.1 in BCN)
1331	KPFK*	90.7	Los Angeles	CA	auto races in Fontana ment
1332	KUSC	91.5	Los Angeles	CA	Bach orchestral suite#1 veried online
1333	KFSH*	95.9	La Mirada	CA	Contemporary g
1339	XHJC*	91.5	Mexicali	BCN	Sp (consistently in w/ 90.7 & 92.3) - 865 mi
1343	XHMMF*	92.3	Mexicali	BCN	Sp, Mexico ment
	XHMOE	90.7	Mexicali	BCN	Sp
1347	KKCM	92.1	Joshua Tree	CA	Hot Country - 765 mi
1356	KDES	98.5	Cathedral City	CA	K-Des - 730 mi
1402	KCLB*	93.7	Coachella	CA	KCLB ID - 770 mi
1408	KXCM	96.3	29 Palms	CA	Kix Hot Country - 735 mi
1412	KSEH*	94.5	Brawley	CA	El Centro ref, Sp - 835 mi
1413	KRCK*	97.7	Mecca	CA	English-language rock - 770 mi
1414	KQVO	97.7	Calexico	CA	nx - 855 mi
1421	KKUU*	92.7	Indio	CA	Fiesta Ford ad, I-10 Mall - 770 mi
1643	KPAC*	88.3	San Antonio	TX	c for oboe, bassoon, & orch - veried online - 1590 mi
1645	KEDT*	90.3	Corpus Christi	TX	TX ref, fund-raising during Prairie Home Companion - 1720 mi
1647	KVRT*	90.7	Victoria	TX	fund-raiser cont'd from 90.3, S. Texas Public Radio - 1695 mi



June 21 - ES MUF 96.7

1542	KSJR	90.1	Collegeville	MN	Beethoven sonata, MN PR, start of Mozart sel - veried online - 1305 mi
1600	KAXE*	91.7	Grand Rapids	MN	KAXE Grand Rapids and.... - 1350 mi
1946	KUSC	91.5	Los Angeles	CA	modern classical for orchestra & voice - veried online
2015	unid	91.7			Radio 2 (could have been either Lethbridge or Yorkton)
2113	XETRA	91.1	Tijuana	BCN	Baja PSA in English! - 860 mi
2114	XHITZ*	90.3	Tijuana	BCN	El Cajon ad
	KSDS*	88.3	San Diego	CA	jazz vocal - 825 mi
2117	XHRM*	92.5	Tijuana	BCN	K-Day w/ Art Laboe (veried on XHRM)
2119	XHGLX*	91.7	Tijuana	BCN	Sp ann, ment Mexico, to 4+ on meter (3 enough for full stereo separation)
2121	KHTS*	93.3	El Cajon	CA	rap - 825 mi
	KBZT*	94.9	San Diego	CA	rock

June 23- ES MUF 107.9

1845	KFMX*	94.5	Lubbock	TX	94.5 FMX - 1245 mi
1853	KONE*	101.1	Lubbock	TX	101.1 plays Lubbock's classic rock
1859	KBQL*	92.7	Las Vegas	NM	an SDC Broadcasting station - 1085 mi
1902	KXTQ*	93.7	Lubbock	TX	Sp, FM Lubbock
1905	KTTU*	104.3	Brownfield	TX	Ad, then TX Rangers - 1245 mi
1911	KBAC	98.1	Las Vegas	NM	Santa Fe marathon PSA
1918	KKCL*	98.1	Lorenzo	TX	Kool FM Lubbock - 1245 mi
1929	KXTQ	93.7	Lubbock	TX	Magic 93.7, Sp music
1942	KHUI	89.1	Alamosa	CO	Radio bilingue - 940 mi
1949	KRTN*	93.9	Raton	NM	KRTN - 1000 mi
1950	KQAI*	89.1	Roswell	NM	// local 89.3, Air 1
2013	KDAP*	96.5	Douglas	AZ	Douglas's new KDAP - 1075 mi
2015	KKLD	95.9	Cottonwood	AZ	Prescott Valley ad - 765 mi
2021	KEXX*	103.9	Gilbert	AZ	97-5 and 103-9.... - 950 mi
2024	KJZZ	91.5	Phoenix	AZ	KJZZ - 900 mi
2027	KLJR*	96.7	Santa Paula	CA	La Mejor - 690 mi
2031	KLAG*	91.7	Alamogordo	NM	K Love - 1120 mi
2034	unid	99.1			CMT Radio live....
2039	KSEL*	105.9	Portales	NM	Portales - 1190 mi
2041	KOTO*	91.7	Telluride	CO	KOTO-FM - 810 mi
	KZUA*	92.1	Holbrook	AZ	AZ Diamondbacks - 855 mi
2059	KPUB*	91.7	Flagstaff	AZ	Arizona Public Radio - 840 mi
2100	KRFM*	96.5	Show Low	AZ	White Mtn R - 930 mi
2105	KWMX*	96.7	Williams	AZ	Classic Rock 96-7 the Wolf - 785 mi
2107	KQMR*	100.3	Globe	AZ	Latino Mix - 895 mi
2109	KBTK*	105.1	Kachina Village	AZ	baseball - Rockies vs D'backs - 840 mi
2110	KNKI*	106.7	Pinetop	AZ	baseball // 105.1 - 910 mi

2112	KMLE*	107.9	Chandler	AZ	Camel107-9.com - 900 mi
2114	KPHF	88.3	Phoenix	AZ	g // local 89.5 (Family Radio)

June 27 ES MUF 91.7

1921		unid			Yoko Ono program - CBC Radio 2?
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June 28 MS

0759	CHMX*	92.1	Regina	SK	Live from Regina, Light(?) FM 92.... - 850 mi
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June 30 MS

1143	KXSR	91.7	Groveland	CA	...here on Capital Public Radio
1700	KXSR	91.7	Groveland	CA	music of Holst - veried online

July 1 MS

0808	KXSR	91.7	Groveland	CA	finale of Warlock's Capriol Suite - veried online
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July 2 ES MUF 94.5

1907	KTWJ*	90.9	Moffitt	ND	Family Life Today - veried online - 1000 mi
1911	KSLs*	90.7	Dickinson	ND	Power 107.1 KSLT - 880 mi
2002	KESD	88.3	Brookings	SD	South Dakota PR - 1190 mi

July 3 ES MUF 92.5

0841	KZUA	92.1	Holbrook	AZ	Z 92-1 & Z 93-5, White Mtn R
0851	KTHQ	92.5	Eagar	AZ	Q Country - 940 mi
0859	KUAZ*	89.1	Tucson	AZ	AZ Spotlight, Tucson, KUAZ ID

July 4 ES MUF 107.9

1956	KXDP-LP*	87.7	Denver	CO	Sp music (& note below!)- 900 mi
2000	KMUW*	89.1	Wichita	KS	E Town program beginning - 1340 mi
2006	WIBW	94.5	Topeka	KS	94.5 Country - 1385 mi
2010	KKGQ*	92.3	Newton	KS	316 a/c in ad - 1340 mi
2011	KATC*	95.1	Colorado Springs	CO	95-1 Nash, Pikes Peak ref - 910 mi
2015	KFDI*	101.3	Wichita	KS	Today's KFDI
2023	KCSC*	95.9	Woodward	OK	opera veried online - 1240 mi

2024	KLMR	93.5	Lamar	CO	Cool 93.5 FM - 1055 mi
2032	KSSA	105.9	Ingalls	KS	Sp, La Que Buena - 1180 mi
2039	KXDP-LP	87.7	Denver	CO	Sp still in!
2040	KZNK	90.1	Brewster	KS	folk // 90.5 - 1075 mi
	KZNA*	90.5	Hill City	KS	folk // 90.1 - 850 mi
2042	KLDV*	91.1	Morrison	CO	K Love - 900 mi

July 5 ES MUF 102.1

1458	KPNE*	91.7	North Platte	NE	NPR, NET Radio - 1035 mi
1459	KTNE*	91.1	Alliance	NE	// 91.7 - 920 mi
	KUWV*	90.7	Lingle	WY	Wyoming PR - 840 mi
1504	KZTL*	93.5	Paxton	NE	North Platte's better music mix, Sunny 93.5 - 1020 mi
1506	KICX*	96.1	McCook	NE	KICX - 1085 mi
1507	KELN*	97.1	North Platte	NE	wx, N Platte, Mix 97-1 - 1035 mi
1524	KBRY*	92.3	Sargent	NE	You're in K-Bear Country - 1100 mi
1528	KILI?	90.1	Porcupine?	SD?	Amerind nx

July 7 ES MUF 98.1

1504	KLVO	97.7	Belen	NM	Sp o/ usable KOMO-FM WA signal, nothing else heard till then! - 1000 mi
1506	KQLV	90.7	Santa Fe	NM	K Love // local 90.5 - 1000 mi
	KNAU	88.7	Flagstaff	AZ	nx, Mountain Air community - 840 mi
1513	KBAC	98.1	Las Vegas	NM	Radio Free Santa Fe

July 11 SL

1316	KRSX*	95.9	Goldendale	WA	Star 95-9 and 103-1; Bingen & The Dalles refs @ B Street Hill - 70 mi
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July 12 TR

0713	KNSQ*	97.3	Redding	CA	Q-97 - 280 mi
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July 21 MS

0713	KIRO	97.3	Tacoma	WA	...from Seattle - 195 mi
0719	KMXC*	97.3	Sioux Falls	SD	...got into the car & drove into Brookings.... - 1230 mi

July 27 TR

1530	KTIK	93.1	New Plymouth	ID	93 FM & 1350 AM.... - 250 mi
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### August 11 MS

1233 CHKG\* 96.1 Vancouver BC Oriental talk - 323 mi

### August 12 MS

0225 KSTR\* 96.1 Montrose CO Western CO's 96.1 K-Star.... - 785 mi  
0230 KBRE\* 92.5 Atwater CA 92-5 the Bear - 490 mi  
0245 KBEB\* 92.5 Sacramento CA at 916-71.... - 405 mi  
0338 KFBT 103.7 Hanford CA 103-7 the Beat - 580 mi

### August 13 ES MUF 103.7

1755 KGIM\* 103.7 Redfield SD k ref, Aberdeen - 1085 mi  
1758 KPSD\* 97.1 Faith SD NPR member station thru clear unid - 930 mi  
1803 unid 88.1 sports nx thru local KLBR  
1805 CBK-1\* 89.1 Prince Albert SK CBC Radio 2 - 910 mi  
1806 CBKF-3\* 93.5 Zenon Park SK French - 980 mi  
1808 CKSB-2\* 88.7 Saskatoon SK French (noted w/jazz @ 1804) - 830 mi  
1843 KTSD 91.1 Reliance SD Louis Armstrong program // 89.7 - 1205  
KUSD 89.7 Vermillion SD Louis Armstrong program // 91.1 - 1215 mi  
1852 KESD 88.3 Brookings SD Louis Armstrong program cont'd - 1190 mi  
1856 KJRV\* 93.3 Wessington Sprg SD Jim 93-3, classic rock - 1100 mi

### August 16 MS

0824 KYXY\* 96.5 San Diego CA ...happening right here in San Diego....

### August 24 TR

0928 KNBQ\* 98.5 Central Park WA at Juniper Butte w/ Pioneer radio - This is North Pole Radio.... - 185 mi

### August 25 GW

1859 KCOE\* 106.5 Terrebonne OR KICE 940 ID (FM testing, obviously) - 32 mi

### August 27 GW

1059 KCOE 106.5 Terrebonne OR KICE-KCOE ID (apparently on officially)

Sept 1 MS

0721 KFRC 106.9 San Francisco CA ... and AM 740 KCBS.... - 450 mi

September 3 MS

0802 KMZK\* 106.9 Clifton CO ...new rock alternative is on now.... - 745 mi

September 5 MS

0719 KXPR\* 88.9 Sacramento CA Gershwin's It ain't necessarily so (heard end & announcement online) - 425 mi

September 22 SL

1030 K218AZ\* 91.5 The Dalles OR Juniper Buttes w/ Pioneer - OPB in sync w/ KOAB 91.3, both leading KOPB 91.5 due to KOPB's delay for IBOC - 77 mi

September 23 GW

0927 KWLZ\* 96.3 West Linn OR on The Hill s of Madras w/ Pioneer - There's something new on the air in Portland, rock 'n' roll's greatest hits; 0940 -KWLZ 59 mi

October 5 MS

0951 KOZE\* 96.5 Lewiston ID ...on 950 AM.... - 230 mi

October 14 GW

1959 KCOE\* 94.9 Terrebonne OR KCOE 94.9 Terrebonne ID, then silence (testing on new channel) - 32 mi

October 28 MS

0729 KPSL\* 96.5 Bakersfield CA ...Ciudad de Kern (Kern City is a suburb of Bakersfield) - 630 mi

November 3 MS

0719 unid 96.5 ...Canada's double....

November 7 MS

0700 KOIT\* 96.5 San Francisco CA And welcome to Koit.... - 455 mi

November 28 MS

0708 unid 96.7 Missoula County deputies are investigating a.... (could be either MT station)

Dec 4 MS

0709 KYLI\* 96.7 Bunkerville NV Pulse 96-7 - 620 mi

Dec 12 MS

0614 KTWV 94.7 Los Angeles CA ...1070 News Radio.... - 715 mi

Dec 13 MS

2212 KALZ\* 96.7 Fowler CA The new voice of Fresno, Christopher Gabriel.... - 550 mi

Dec 14 MS

0726 KMRQ\* 96.7 Riverbank CA Bueller in the morning on Rock.... - 465 mi  
1859 KKEX\* 96.7 Preston ID Cache Valley ad - 465 mi  
2011 unid 95.1 When you say this country is hot....

Dec 20 MS

0758 KEMC 91.7 Billings MT Yellowstone PR - 635 mi

Dec 28 MS

0737 KRCL\* 90.9 Salt Lake City UT KRCL is a proud sponsor.... - 520 mi

Dec 29 MS

0740 XETRA 91.1 Tijuana BCN 91-x-.com - 860 mi

## Dec 30 MS

0706 KPBS\* 89.5 San Diego CA KPBS news at 7:06.... - 825 mi

## Dec 31 MS

0557 CHBN 91.7 Edmonton AB The Pepper ... alive show on 91-7 - 680 mi  
0759 KEMC 91.7 Billings MT ... Public Radio is K... Billings....

## Dec 31 TR

1932 KISM 92.9 Bellingham WA on KISM.... (1st time heard at house) - 290 mi  
1938 KZZU\* 92.9 Spokane WA ZZU (o/ KISM) - 265 mi  
2042 KZZU 92.9 Spokane WA Modern music all day on ZZU....

## Dec 31 MS

2202 unid 92.9 92-9 the Bull (there are 3 of them)



## UPCOMING METEOR SHOWERS

DATA FROM THE  
AMERICAN METEOR SOCIETY  
[amsmeteors.org](http://amsmeteors.org)



Shower	Activity Period	Maximum		Radiant		Velocity km/s	r	Max. ZHR	Time	Moon
		Date	S. L.	R.A.	Dec.					
Lyrids (LYR)	Apr 18-Apr 25	Apr 22	032.5°	18:10	+33.2°	45.5	2.1	18	0400	14
Eta Aquariids (ETA)	Apr 24-May 19	May 07	046.8°	22:36	-00.5°	66.5	2.4	40	0400	01



## Interested in contributing to the VHF-UHF Digest?

We're looking for a dedicated FM DXer to take over the *FM News* column.  
E-Mail Ryan Grabow if you're interested.

[ryang@wtfda.org](mailto:ryang@wtfda.org)

# DTV DX Autologging

Written by Mike Glass

I returned to my childhood hobby of TV DX after my first wife passed away Dec 2006. I started out with analog but added digital after a while. Then came the big DTV transition in 2009 and it all went digital, at least in the US. I knew that the DTV tuner was basically a computer so I wondered if a PC could be used in some way for DX.

Fast forward to the Fall of 2010. I discovered a posting to the WTFDA Forum about the automated scanning and logging of DTV stations. Russ Dwarshuis KB8U of Ann Arbor, MI, was the author of a computer controlled DTV scanning and logging program. The link to his web site had a Google map with icons identifying the stations received including azimuth and distance. I was quite taken by this discovery and immediately emailed Russ for information.

Long story short Russ patiently walked me through the process of setting up an autoscanning and station logging system, including my own web site to see the results away from home. The tuner used for this project was, of course, the SiliconDust HDHR-US dual tuner. Now I can keep track of what is coming in while away at work. Analog DXing required a presence unless you used a tape machine to record a channel for later viewing, a trick used by the FM DXers who couldn't always be home.

Russ's autologging program used PSIP data and searched the FCC database for matching call letters. There was a problem with this method in that stations that did not have call letters in the PSIP (like Ion) were not identified. For a serious DXer this was not acceptable! About that time William Hepburn began autologging using a DTV dongle and TSReader, a DTV signal analyzing program, and his own computer script. The results were on his website and I could see what he was getting. But, unlike my set up, his could ID stations that did not have call letters in the PSIP. This was due to TSReader using TSID for station ID, not PSIP.

TSID, or the Transport Stream Identifier, is an ID number assigned by the FCC and is unique to each licensed station. The main purpose of TSID is to enable a DTV tuner to find programming information on the station it is tuned to. What a cool discovery! The bad news about TSID for DXers is that tuners use it but won't display the number, so you can't look it up for ID purposes. The good news is that the HDHR-US tuner will allow a PC to extract TSID along with PSIP when scanning.

Russ's Autoscanning program initially ignored TSID, but modified it so that it would be an alternate way to ID a station. Thus, almost all full power and many LP DTV stations could be reliably identified automatically. Russ is not an avid TV DXer, but along with this and other improvements he eventually released the Autologging program that is used today on Rabbitears.

For many DXers this is a dream come true. However, for many others this is not true DXing. Actually, this is not just about autologging, but the state of TV DXing as a whole since the transition in 2009. Gone are the days of intently watching a rapidly fading image or sound and hoping for a local ID or commercial. Gone is the frustration of watching a program of little interest to the DXer to only lose the signal at the top of the hour. I myself had those "pleasures" many times in the analog days. I can't say that I miss that part of DXing, but the logs I worked so hard for gave me a lot of satisfaction.

Digital television is a totally different experience. The PSIP will give you an immediate ID if you have a fraction of a second of good signal. You can leave the tuner on a channel and wait for that moment while doing something else. If the tuner will keep a decode in memory a DXer could leave it on



overnight and have a new log in the morning. Of course, DTV is an all or nothing game. You can also sit and watch a low signal on the meter and never see a decode. There are very few pilot signals with offsets to help you determine the station. That is why the WTFDA rules require decoded information for a valid log.

Many DTV DXers that use autologging see the benefits. DXer William Hepburn recently commented: "With the HDHR autoscan also DXing simultaneously it's like having your own 'DX buddy'; one who continues DXing after you've gone to sleep." For years the FM DXers have made recordings of open channels during DX events to listen to later for new logs. Newer SDR tuners can record large swaths of the FM spectrum at one time which will take a DXer weeks to go through. DXers will generally make use of new technologies to enhance the experience and increase the number of new logs.

Autologging was never intended to be the sole DX tool. Any serious DXer will need to be much more involved than just checking the autolog every so often. Andrew Knafel says that: "Most of the good DX is received with a nice setup and aiming it properly, especially if you live in an area where the good DX signals aren't as strong as they are in "tropo alley". The computer doesn't just do that for you." However, an Autologger setup could be a great way to see what the band is doing, or when a local station suddenly goes off the air leaving an open channel.

Another benefit to autologging is the time it frees up for DXers with a lot of other commitments. A few of us have the luxury of being able to be in the shack whenever an opening occurs, but most people have jobs and families to contend with. As Jim Thomas noted: "I have to get some sleep. I have to go to work tomorrow." When I started autologging with a remote rotor I was able to DX when openings occurred if I had a computer and internet access regardless of where I was at the time. It is also doable from a smartphone or tablet. I logged many new stations while on vacation with my wife since I could monitor reception and turn the antennas remotely. My wife is very supportive of my hobby and she appreciates that I don't always have to be in the shack when there is an opening.

I wanted to give a special thanks to Trip and Rabbitears for hosting all the Autologging tuners and giving everyone a look at who is getting what. If he hadn't taken this project on there would be very little to show for this technology. In the end each DXer must decide what he wants to do with this DXing tool, or choose not to use it at all.



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[mikeb@wtfda.org](mailto:mikeb@wtfda.org)  
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### TV and FM STATISTICS

**Fred Nordquist**, 147 Travis Hill Road, Moncks Corner, SC  
[stats@wtfda.org](mailto:stats@wtfda.org)

### WTFDA.ORG WEBSITE

**Tim McVey**, webmaster  
[webmaster@wtfda.org](mailto:webmaster@wtfda.org)

### VHF-UHF DIGEST

**Ryan Grabow**, 7351 Pinnacle Pines Dr #B21, Fort Myers, FL 33907  
[ryang@wtfda.org](mailto:ryang@wtfda.org)

### WTFDA FORUMS WEBSITE

**Chris Cerventez**, webmaster  
[chriscerventez@gmail.com](mailto:chriscerventez@gmail.com)

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