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MIDWEST SEES DECEMBER TROPO, AND A DASH OF F2

MORE MEXICAN CITIES DUE TO SHUT OFF THEIR ANALOGS

The Official Publication of the Worldwide TV-FM DX Association



METEOR SHOWERS

Quadrantids

DEC 28 - JAN 12

Alpha Centaurids

JAN 28 - FEB 21

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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.



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PAGE TWO

The Page You Turn To for news of the WTFDA and the TV/FM DX World

Mike Bugaj - mikeb@wtfda.org

January 2015

I can't believe how difficult it was to find a new name for this column. I had at least seven attempts and everyone offered "The Inbox" or something similar and that's a name I thought about weeks ago and discarded. Then very recently Ryan, our editor, emailed me and told me he couldn't come up with anything better and suggested "Page Two", and then it dawned on me that I've been calling it Page Two myself for many months, so welcome to Page Two!

Although many of us had a cold November, temperatures moderated quite a bit in December and that led to some widespread tropo in the Midwest. There were some reports of 500-600 mile tropo.

The solar flux went through the roof in December to over 200. Those high numbers were responsible for reception via F2 skip of the CA Highway Patrol in the eastern USA on 39mhz. It was also probably responsible for some Es on 33mhz which allowed at least two DXers to hear WQIN663 33.420 in Orlando, FL (30w) in the northeastern USA and Ontario. Now as we reach the end of the month of December, those numbers are falling and currently sit at around 130-135.

During the period from Nov 28 through Dec 27 we've received renewals from Marvin Shults (IL), Ted Liscewski (NJ), Russel Lay (NC), Paul Mitschler (NM),

Ed Norris (IN), Gary Olson (FL), Tom Bryant (TN), Bill Swiger (WV), Garth Jensen (ON), Dave Pomeroy (KS) and James Niven (TX). Those of you who sent in checks should find them cashed by the end of December. Thanks to all of you for your support of WTFDA!

MEXICO's TRANSITION TO DTV

Our Forums poster Raymie is following the transition and reports: "It begins: Reynosa. Matamoros. Nuevo Laredo. [January 14.](#)

These two markets have hit the 90% of low-resource homes threshold. Glad to see the IFT is advising people to look at their antenna setups, because there are going to be many people in Mexico (not so much up by the border but certainly further into the country) needing UHF-friendly antennas.

As this process goes on keep in mind that one of the requisites is that every station is broadcasting in digital. There are going to be many, many new digital television stations signing on in the next nine months.

As I have said before, do not expect any transitions from April-June (elections) but I do think we will see more cities going through to March."

His most recent post on Dec 26th "I will definitely be posting all the shutoff notices as they happen throughout

the year. I read Mexican news outlets regularly so you can expect fast information from me.

This first shutoff, Nuevo Laredo-Reynosa-Matamoros, includes these stations:

Low-VHF: XEFE; XHRIO

High-VHF: XHBR; XHAB, XERV, XHMTA, XHREY

UHF: XHLNA, XHLAT, XHNAT, XHLAR; XHOR, XHTAM, XHVTV

The stations hit 91 (Nuevo Laredo) and 92 (Reynosa/Matamoros) percent penetration of low resource homes as required by law (the threshold is 90%). As with Tijuana the change happens at midnight at the BEGINNING of the day.

Everyone will be gone by the end of 2015. There will probably be no shutoffs from April-June because of national midterm elections (this snarled Tijuana's conversion), but I think Monterrey may go before then and possibly Cd. Juárez."

ETON TRAVELER III



Here's a photo of the Eton Traveler III. This little radio is supposed to be hot as far as selectivity, and it has RDS. It has been seen for sale at Best Buy for \$59.99. Our thanks go out to Adam Ebel for posting pictures of this radio on our TV and FM Dxing Facebook group.



A DXER'S SHACK

There's quite a bit of material posted on our club's TV and FM DXing Facebook group that you're not going to see anywhere. One of the things you'll find there is a picture of long-time FM Dyer and club member Ralph Strobel from Mincie, IN.



Ralph's receiver is a McIntosh MR-78. Also we recognize a Bolin phase box which Garfield the cat sits on. This photo was posted on the Facebook group by member Bob Hawkins.

CONVENTION 2015

This year will feature a combined convention of the WTFDA, NRC and IRCA. The dates are July 10-12 and the place will be Fort Wayne, Indiana. The host this year is Scott Fybus. These are all of the details we have at this time. Keep watching this space for more information as it becomes available.

AND SO...

That's it for Page Two this month. Elsewhere in this issue you will find a year-end review of the club and the changes that came about during the year. With only a few days left remaining of 2014, we are on track to end up with about 190 members, down from the 230 we had at the beginning of 2014. What happens to that figure as 2015 progresses remains a question mark (at least to me). We will strive to give you the best publication possible and work to make your membership worth the money. -Mike

HAPPY NEW YEAR 2015!!!



TV News

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January 2015

Abbreviations:

AF	A ppled F or (a new station)	NW	N ew station on the air
Aux	A uxiliary (backup) transmitter	PA	P roposed A mmendment
CC	C allsign change	PC	P ower (and/or tower height) change on the air
CL	C ity-of-license change	PG	P ower change g rant
CX	C anceled	PR	P ower change r equested
DC	C onverted to D TV	RA	R eturns to the air
DCC	D igital C ompanion C hannel	QC	C hannel (?frequency??) change on the air
NS	Granted flash-cut to DTV	QG	C hannel change g rant
DCC		QR	C hannel change r equested
DE	License/permit d eleted	RE	R einstated (previously-dismissed app.)
DR	R equests flash-cut to D TV	ROA	R equest of A pplicant
FC	Programming (?format??) change	SI	Off the air (? s ilent??)
FTP	F ailure to P rosecute	STA	S pecial T emporary A uthority
GA	G rant a mendment (to table of channel allotments)	XC	Transmitter site c hanged
LC	License to C over	XG	Transmitter site change g rant
MX	M utually E xclusive	XR	Transmitter site change r equested
NDA	N on- d irectional antenna	lpdtv	Low Power Digital TV
NS	Permit granted for n ew station	DRT	D igital R eplacement T ranslator
DG	G rant e d conversion to D TV		

News:

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



CANADA



British Columbia

Grand Forks	7	CISR-DT-1	DR 513w/368m
Pritchard	9	CHKM-DT-1	DG 781w/-210m
Quesnel	8	CITM-DT-2	DG 569w/548m
Revelstoke	9	CHRP-DT-2	DR 80w/1166m, 50-53-07/ 118-15-04

Santa Rosa	44	CISR-DT	DR from 68, 2.255kw/565m
Taghum	23	CKTN-DT-2	DR 1.45kw/246m



USA



Alabama			
Huntsville	17	W38BQ	PR<2.77kw
Montgomery	19	WDSF-LD	XG 32-13-44/ 86-15-47



Alaska

Anchorage	28	KTVA	AF 600w/-86m, 61-12-47/ 149-48-32 (aux)
Anchorage	45	K45HQ	DC 710w, 61-09-41/ 149-51-19
Chevak	9	K09PO	DG
Chignik	7	K07RY	DG
Chignik Lagoon	9	K09SO	DG
Chignik Lake	11	K11RQ	DG
Chitina	9	K09NF	DG
Chuathbaluk	6	K06LG	DG
Circle	9	K09TT	DG
Cooper Landing	8	K08KO	DR
Copper Center	12	K12MO	DG
Eek	11	K11SD	DG
Egegik	9	K09SK	DG
Ekwok	11	K11QW	DR
Elim	3	K03GA	DG
English Bay	31	K31AG	DG
False Pass	9	K09RP	DG
Fort Yukon	7	K07RC	DG
Gakona	11	K11RG	DG
Galena	4	K04LZ	DG
Gambell	9	K09QR	DG
Glennallen	5	K05HA	DG
Golovin	7	K07QX	DG
Holy Cross	7	K07RJ	DG
Hoonah	7	K07QV	DG
Hooper Bay	7	K07QD	DG
Hughes	9	K09RY	DG
Huslia	9	K09QD	DG
Hyder	4	K04MM	DG
Igugig	9	K09SP	DG
Iliamna	7	K07RV	DG
Kake	9	K09QP	DG
Kaktovik	9	K09QY	DG
Kalskag	9	K09TR	DG
Kasigluk	9	K09UE	DG
Karluk	9	K09QK	DG
Kiana	4	K04IG	DG
King Cove	9	K09QW	DG
King Mountain	3	K03GL	DG
King Salmon	8	K08KS	DR; DG
Kipnuk	7	K07OL	DR; DG
Klawock	11	K11RA	DR; DG
Kobuk	2	K02KZ	DR
Koliganek	7	K07QW	DR; DG
Kongiganak	9	K09RG	DR; DG
Kotlik	9	K09SL	DR; DG
Koyuk	9	K09SA	DR
Kwethluk	11	K11QY	DR
Kwigillingok	13	K13UK	DR
Lake Louise	9	K09TU	DR
Larsen Bay	9	K09QE	DR
Levelock	7	K07TT	DR

Lime Village	7	K07TH	DR
McGrath	9	K09QC	DR
McKinley Park	3	K03GK	DR
Manley Hot Sprs.	13	K13TN	DR
Marshall	7	K07TK	DR
Mekoryuk	9	K09NI	DR
Mentasta Lake	7	K07SQ	DR
Metlakatla	11	K11QZ	DR
Minto	13	K13TK	DR
Moose Pass	15	K15AP	DR
Mountain Village	13	K13TJ	DR
Napakiak	13	K13UV	DR
Nelson Lagoon	9	K09QM	DR
New Stuyahok	13	K13TO	DR
Newtok	4	K04MT	DR
Nightmute	10	K10LU	DR
Noatak	9	K09NG	DR
Nome	9	K09OW	DR
Nondalton	2	K02LJ	DR
Noorvik	4	K04IK	DR
Northway	4	K04KP	DR
Nuiqsut	9	K09RT	DR
Nulato	4	K04JF	DR
Old Harbor	13	K13RN	DR
Ouzinkie	7	K07QY	DR



Arizona

Lake Havasu City	45	KLHU-CD	DG 420w
Phoenix	18	K25DM	DC from 25, 3kw, 33-19-58/ 112-03-59
Prescott	32	K32LO	NW 1.2kw, 34-29-25/ 112-31-57 (Luke Skelton)



Arkansas

Hot Springs	14	KQPS-LD	XG 34-32-41/ 92-49-05; XC
Hot Springs	34,	K34MO,	XC 34-32-41/ 92-49-05
	41	K41NH	



California

Cal-Oregon	42	KQSX-LP	DG 1kw, 41-13-37/ 112-14-23
Indio	39	KDFX-CA	DC 4.8kw
San Francisco	40	KMMC-LD	PC>14kw
Santa Barbara	17	KSBB-LP	DC 1.2kw; FC to CBS//KCOY on 17.1 & Fox//KKFX-CA on 17.2



Colorado

Collbran	11, K11PS, 13 K13RD	DC 39-14-35/ 107-57-53
Collbran	22, K22LR, 24, K24LQ, 26 K26MS	NW 12w, 39-14-31/ 107-57-52 (Mesa Co.)

Denver

Denver	26 KCEC	GA from 51, 550kw/244m, 39-43-58/ 105-14-08
Denver	46 KDEO-LD	QC from 50, 39-43-59/ 105-14-12

Grand Junction

Grand Junction	7 KJCT	CC back from KGBY
Grand Junction	39, K39AF, 43 K43AB	DC 750w
Grand Junction	41 K41AE	DC 500w
Grand Junction	45, K45IT, 47, K47JR, 49 K49IO	DC 400w, 38-43-30/ 108-48-32; CL from Gateway

Mesa	10 K10RB	NW 2w, 39-04-55/ 108-12-18 (Mesa Co.)
Mesa	31 K31DW	DC 800w



Florida

Gainesville	17, W17DH, 24 W24DM	XR 29-25-05/ 82-32-57
Live Oak	20 W20EA	XR 30-14-08/ 82-35-40
Ocala	8 WOFT-LD	PG<2kw, 28-55-10/ 81-19-07

Panama City	22 WPFN-CA	DC 15kw
Wabasso	33 W33DB	NW 6kw, 27-33-19/ 80-22-06 (DTV America); XR 27-33-19/80-22-06



Georgia

Albany	23 W23DU	PR>6kw
Athens	22 W22DS	XC 34-08-01/ 82-51-35; XR 34-22-18/82-45-07
Athens	26 W26EM	PR>15kw, 34-12-01/83-25-44

Athens	26 W26EM	PR>15kw, 34-12-01/83-25-44; CL to Commerce dismissed
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Augusta	20 W20CZ	PR>4kw
Augusta	35, W35CU, 46 W46EK	PG<6kw, 33-18-47/ 82-11-29
Tifton	30 W30DW	NW 290w, 31-24-02/ 83-31-20 (1 st Baptist Church of Tifton)

Gainesville	9 WEQT-LD	QC from W32DT, 3kw, 34-02-31/84-02-12; CC from W09DA
Savannah	43 WDID-LP	CC from W43CK



Idaho

McCall	41 K41HS	PR>150w, 44-45-54/ 116-11-53; PG
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Indiana

Lafayette	35 W35CY	PR<6kw
Marion	15 W15CZ	PR<6kw
Terre Haute	28 W28DZ	PR<6kw
Wolcott	30, W30DI, 39 W39DM	XC 40-34-48/ 86-57-04; XR 40-19-20/86-45-02
Wolcott	33 W33DE	PC>6kw, 40-34-48/86-57-05; XR 40-19-20/ 86-45-02
Wolcott	39 W39DM	PG>6kw, 40-34-48/ 86-57-05



Kansas

Topeka	16 KAJF-LD	XC 39-02-59/ 95-41-21
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**Louisiana
Columbia**

11 KMLU	CC from KAQY
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Maine

Allagash	4 W04BH	CX
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Maryland

Dickerson	31 WETA – 0811ACE	NS 15kw, 39-09-27/ 77-29-07; DRT for Washington 27
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Minnesota
Minneapolis

17 WUMN-LD NW 15kw, 44-58-25/
93-16-13; DCC for
analog 13
43 KMBD-LD CC from K43HB



Mississippi
Lumberton

33 W33DT NW 6kw, 30-51-22/ 89-
20-19 (DTV America);
XR 30-37-13/89-30-34



Missouri
Joplin
Kansas City

35 KJPX-LP DR 13kw
30 KPXE-TV **QG from 51**



Montana
Great Falls
Great Falls
Kalispell

19 KBGF-LP DC from K50IQ, 15kw
25 K25LM PG>5kw
35 KEXI-LD XG 48-10-34/ 114-20-
57; XC



Nevada
Elko

10 KENV-DT PR<562m, 40-42-00/
115-54-03
2 KVMY CC from KSNV-DT
22 KSNV CC from KVMY
26 K26JC DG 200w; DC

Las Vegas
Las Vegas
Walker Lake



New Mexico
Farmington

46 K46KV PG>5kw, 36-41-51/
108-13-19



New York
New York
New York

6 WNYZ-LP PR>3kw
7 WABC-TV XR 40-42-46/ 74-00-49;
amendment from
5.59kw/505m & to
correct coordinates.
See text.

New York
Roslyn

39 WNYN-LD PR>15kw, 40-46-02/73-
57-42; PG
6 W26DC QR from 26, 200w
dismissed ROA



North Carolina
Burnsville

20 NEW-lpdtv AF; DCC for W12AU

Cherokee

14 NEW-lpdtv AF; DCC for W05AF

Raleigh
Spruce Pine
Wilmington

8 WAUG-LP DC from 68, 3kw
19 NEW-lpdtv AF; DCC for W06AD
22, W22DQ, PR<2kw, 34-07-53/78-
26 W26DR 11-17

Wilmington
Wilmington

43 WADA-LD PR>6kw
49 W49DH PR<1kw, 34-07-53/78-
11-17



North Dakota
Valley City

38 KXJB-TV SI



Ohio
Dayton

18 WKEF GA from 51



Oklahoma
Enid

42, K42LL, PC>6kw, 35-59-48/ 97-
48 KUOC-LD 54-29; XR 35-45-11/97-
47-54

Poteau

50 KSJF-CA DR 1.758kw, 35-04-
05/94-40-59;
amendment to change
site; DG; replaces
application to go to ch.
33.

**Pennsylvania**

Carlisle	27 WGAL – 0824ADP	NS 8.5kw, 40-17-23/77-08-10; DRT for Lancaster ch. 8
Erie	47 WXTM-LD	PR>1.6kw, 42-02-16/80-03-44; PG
Greensburg	46 WQVC-CA	DR 674w, 40-26-23/79-43-11; DG
Kittanning	29 WBOA-CD	PR<13.56kw, 40-26-23/79-43-11
Philadelphia	28 WFPA-CA	DG 5.7kw, 40-02-30/75-14-11
Pittsburgh	16 WEPA-CD	CC from WBGN-CD
Red Lion	27 WGAL – 0824ADX	NS 14.8kw, 39-54-18/76-34-58; DRT for Lancaster ch. 8

**South Dakota**

Gettysburg	17 K17KW	PG<2kw, 45-00-50/ 99-57-13
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**Tennessee**

Jackson	16 WNBj-LD	NW 15kw, 35-36-11/88-47-52 (Jackson TV); virtual channel 39.1 w/NBC
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**Texas**

Canadian	23 K23EC	DC 585w, 36-03-59/100-20-58
College Station	27 K27MO	CX
Dayton	5 KTDJ-LD	AF DCC
Garland	5 KXDA-LD	PG>3kw, 32-54-04/ 96-41-15; CL from Durant, Oklahoma
Lingleville	31 K31MU	XR 32-36-38/ 97-26-06; dismissed but promptly reinstated
Longview	26 KCEB	PA from 51
McAllen	44 KSOY-LD	CC from KNUC-LP

**Utah**

Hurricane	17 K17LH	PG>2kw
Salt Lake City	50 KEJT-LP	DG 15kw

**Virginia**

Bristol	28 WCYB – 0824ABQ	NS 5.1kw, 36-26-58/82-06-29; DRT for 5 at same site
Harrisonburg	14 WAZH-CA	DG from 24, 15kw, 38-57-36/78-19-52

**Wisconsin**

Sister Bay	15 W15DJ	XR 45-14-16/ 87-05-28
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**Wyoming**

Sheridan	46 K46LS	PG<3kw, 44-37-24/107-07-01
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WABC-TV's amendment is to an application to move to the new World Trade Center, recently completed. The coordinates are slightly different from those first requested.

WABC has also filed for a temporary station on channel 12 at the same site. It would operate with 5kw at 492m, about 40 feet below where the permanent antenna would go. The idea is to make propagation measurements to determine whether WABC, WPIX-11, and WNET-13 should move from the Empire State Building.

Documents filed with the application indicate tests will take place over a two-week period and only at night. Consent has been received from WPXU-LD, also on channel 12, which will probably receive significant interference from these tests. WHYY-TV will also receive slight interference during some of the tests. Their consent has also been received.

The tests will use a highly directional antenna, to the northeast. Specifically, only one panel of a four-panel antenna will be used. If the tests prove successful, all four panels would be installed to provide omnidirectional coverage.

Nobody plans permanent use of channel 12 at this site. The channel is to be used only for propagation measurements. Any station resulting from these measurements will operate on channel 7, 11, or 13.

FM NEWS for CANADA and USA

January 2015

BILL HALE
FMNews@wtfda.org

INDEX OF ABBREVIATIONS USED IN FM NEWS

APP: application	\$: Stereo
APP Mod: Change to an already submitted application	SS: Spanish language
Class: FM license class	STA: Special Temporary Authorization
CoL: City-of-License	XL: Transmitter Location change to
CP: construction permit (authority to broadcast with facilities noted)	> : change to [in formats]
CP Mod: change to an already granted CP	< : an increase to [in technical data]
DA: directional antenna	> : a decrease to [in technical data]
FF: French language	[]: Calls in brackets signifies assumed or applied-for status
	Note: antenna heights are HAAT except where noted



— CALL LETTER ACTIONS —

		<u>Old Call</u>	<u>New Call</u>
NT Fort Providence	98.9	CBQC-FM	CBAU-FM
ON Orangeville	101.5	CP	CKMO-FM
ON Temagami	106.1	CP	CBCS-FM1 [will take effect when station replaces CBEU-1340]

— NEW STATIONS ON THE AIR —

BC Bella Coola	91.1	CKNN-FM	50 W-V/(-) 908 m, 52-22-16/126-44-41; Class LP; \$
NT Fort Providence	98.0	CBAU-FM	50 W-V/29 m, 61-20-54/117-38-22; Class LP; Mono
NT Tulita	100.9	CBXY-FM	50 W-H/(-) 85 m, 64-54-07/125-34-20; Class LP; Mono
ON Welland	89.1	CKYY-FM	3.1 kW/131 m DA, 43-00-27/79-10-40; Class A; \$
QC Matapédia	101.7	CBGA-FM21	268 W/(-) 38 m, 47-58-18/66-57-49; Class A; Mono; along with CBGA-FM20 this station replaces the service of CBGA-1 540 kHz at New Carlisle, New Brunswick
QC Pointe-à-la-Garde	92.3	CBGA-FM20	4.34 kW/233 m DA, 48-04-58/66-34-50; Class B1; Mono; along with CBGA-FM21 this station replaces CBGA-1 540 kHz at New Carlisle, New Brunswick
QC Weymontachie	92.3	CBFG-FM-3	50 W/3 m, 47-54-16/73-46-39; Class LP; Mono

— FACILITY CHANGES ON THE AIR —

NS Sackville	97.5	CIOE-FM	250 W-V-/25 m, 44-45-26/63-39-24; Class A1; \$ [this is a change in frequency from 88.7 only]
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— FORMAT and SLOGAN CHANGES —

BC Bella Coola	91.1 CKNN-FM	Signs on with a 'Community' format (commercial); Aboriginal; Nuxalk Academy of Learning [Nuxalk Radio]
BC Vancouver	106.3 CKAV-FM2	Returns to the air with Ethnic: <i>Voices Radio</i> [Aboriginal Voices Radio]
ON Orangeville	101.5 CKMO-FM	Signs on with AC/Oldies: <i>101.5 MyFM</i> (commercial) [My Broadcasting Company]
ON Welland	89.1 CKYY-FM	Signs on with Country: <i>Country 89</i>
QC Chicoutimi	98.3 CKRS-FM	> Adult Contemporary
QC Sherbrooke	88.9 CJMQ-FM	New slogan is <i>The Cube</i>



— TECHNICAL CHANGES —

GRANTS FOR NEW STATIONS

AB Strathmore	104.5 CKOV-FM	<u>CP granted for:</u> 7 kW/102 m DA; 51-01-02/113-26-34; Class B1; \$; will be Country [Clear Sky Radio]
ON Windsor	90.5 Cxxx-FM	10 kW/56 m DA, 42-17-50/83-01-31; Class B1; \$; will be Christian Adult Contemporary [United Christian Broadcasters Canada]



GRANTS TO EXISTING STATIONS

NS Sackville	97.5 CIOE-FM	<u>CP granted for:</u> 250 W-V/25 m, 44-45-26/63-39-24; Class A1; \$ [frequency change from 88.7 for this newly-granted station]
QC Montréal	100.7 CBFX-FM	10 kW (adds V)/< 299 m, 45-30-20/75-35-30; Class C1; \$
QC Sherbrooke	90.7 CBFX-FM2	10.7 kW-V//< 33.2 kW-H (adds V), < 180 m, XL to 45-23-21/71-50-16; Class B; \$
QC Sherbrooke	101.1 CBF-FM10	< 12.8 kW-V//< 31.4 kW-H (adds V), < 180 m, XL to 45-23-21/71-50-16; Class B; Mono



APPLICATIONS FROM EXISTING/PROPOSED FACILITIES

NF Corner Brook	92.3 CKOZ-FM	<u>Applies for:</u> > 7.665 W-H (dropping H)/ < 141 m, XL to 48-56-01/57-58-00; (to) Class B1; \$
NF Botwood	95.9 CKMY-FM	> 47 kW-H (would drop V)/ < 210 M, XL to 49-11-51/55-22-01; (to) Class C1; \$ [would change CoL from Rattling Brook]
QC Montréal	102.3 CINQ-FM	> 2.1 kW-V/90 m DA; 45-31-50/73-35-55; Class A; \$
SK Big River	92.5 CKBI-FM1	> 1.4 kW/ > 87 m (drop DA), XL to 53-49-40/107-01-45; Class A; \$
SK Big River	97.5 CHQX-FM3	> 1.4 kW/ > 87 m (drop DA), XL to 53-49-40/107-01-45; Class A; \$

APPLICATIONS FOR NEW FACILITIES

Applies for:

NF Gander	97.7 APP	2.8 kW/137 m, 49-04-02/54-30-13; Class A; \$ [would be Hot AC and // CHOZ-FM 94.7 St. John's [Newfoundland Broadcasting]
NS Sydney	107.3 [CJBU-FM]	5 W/? m, 46-10-11/60-05-31; Class LP; Mono [would be Variety as a Developmental Campus station operated by Caper Radio Incorporated at Cape Breton University]



DENIALS AND DISMISSALS

NB Néguaac	102.9 CKMA-FM1	Extension for this new station was denied after CP expired. Would be // CKMA - FM 93.7 Mirimichi City
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— OTHERNEWS —

ON Alliston	94.7	CFAO-FM	Application to renew the licence for this EE-language low-power commercial station has been denied; CFAO-FM appeared to have been off-air for the majority of its licence term.
QC Victoriaville	103.5	CKYQ-FM1	Attraction Media will shut down this relay of CKYQ-FM 95.7 Plessisville pending approval of the sale of CFDA-FM 101.9 Victoriaville from Radio Megantic to Attraction to stay within the common ownership guidelines
QC Chicoutimi	98.3	CKRS-FM	Application approved to change the specialty spoken word format of CKRS-FM to an Adult Contemporary music format
QC Saint-Élie-de-Caxton	88.1	CP	10 W/7 m; will establish a temporary station from 1 April through 31 October 2015 for the 150th anniversary of the town
QC St-Rémi	104.9	CHOC-FM	Radio Communautaire Intergeneration Jardin du Quebec has until January 12, 2016 to increase the power of CHOC-FM 104.9 to 1.75 kW and to establish rebroadcasters in Napierville CHOC-FM on 103.5 with 3.8 kW/63 m and in St-Jacques-le-Mineur on 102.9 with 250 W-V/34 m



UNITED STATES AND TERRITORIES



— CALL LETTER ACTIONS —

FULL POWER STATIONS

		<u>Old Call</u>	<u>New Call</u>			<u>Old Call</u>	<u>New Call</u>
AR Lakeview	93.5	KKTZ	KOMT	NY Mount Kisco	106.3	WFME	WFME-FM
AR Mountain Home	107.5	KOMT	KKTZ	ND Arthur	103.9	KVMI	KZTK
CO Dinosaur	100.3	CP	KVBD	ND Bismarck	91.7	KBFR	KXRP
IN Upland	89.7	WTUR	WBCW	TN Humboldt	105.3	WDVW	WHPP
KY Radcliff	103.5	WAKY	WAKY-FM	WA Newport	104.5	KGZG-FM	KNHK-FM
MS Holly Springs	96.5	WWWN	WKIF	WI Racine	92.1	WEZY	WMKQ

LPFM STATIONS

		<u>Old Call</u>	<u>New Call</u>			<u>Old Call</u>	<u>New Call</u>
AL Sheffield	90.7	CP	WYRH-LP	NC Raleigh	90.1	CP	WPFY-LP
CA Biola	104.3	CP	KJOU-LP	NC Rocky Mount	106.7	CP	WDBP-LP
CA Victorville	98.7	CP	KNVU-LP	NC Wilmington	99.3	CP	WZRF-LP
CO Colorado Springs	103.5	CP	KJQY-LP	OH Galloway	92.7	CP	WEFC-LP
CT Collinsville	107.5	CP	WWMM-LP	OH Piqua	95.1	CP	WPLC-LP
CT South Windsor	101.7	CP	WOGS-LP	OR Portland	95.1	KQRO-LP	KISN-LP
GA Dallas	106.3	CP	KWOT-LP	PA Bryn Mawr	92.9	CP	WZML-LP
GA Savannah	94.7	CP	WPES-LP	PA Hazleton	98.9	CP	WEVB-LP
ID American Falls	96.7	CP	KDDE-LP	SC Charleston	97.5	CP	WYLA-LP
IN Leo	94.5	CP	WZXC-LP	SC Rock Hill	98.5	CP	WYTX-LP
KY Benton	92.7	CP	WDMZ-LP	SC Salem	107.9	WUSS-LP	WFBS-LP
MA Auburndale	102.9	CP	WLAS-LP	TX Campbell	92.9	CP	KSCG-LP
MA Dorchester	102.9	CP	WBPG-LP	TX Mission	99.9	CP	KZOA-LP
MA Lynn	89.3	CP	WCDV-LP	TX Purley	97.3	KQLP-LP	KTSQ-LP
MA Newburyport	96.3	CP	WJOP-LP	TX Quinlan	95.7	CP	KTRR-LP
MA Williamsburg	97.9	WCCC-LP	WCCV-LP	TX Texarkana	88.3	CP	KTHN-LP
MI Grand Rapids	92.3	CP	WRVU-LP	UT Hurricane	104.5	CP	KHPD-LP
MN Saint Cloud	97.5	CP	KVEX-LP	VT Burlington	99.3	CP	WBTV-LP
NV Pahrump	97.7	CP	KPFF-LP	WA Olympia	100.3	CP	KOLP-LP
NY Dewitt	92.5	CP	WPBB-LP	WI Milwaukee	104.1	CP	WXRW-LP

TRANSLATOR and BOOSTER STATIONS

		<u>Old Call</u>	<u>New Call</u>			<u>Old Call</u>	<u>New Call</u>
AL Pell City	94.3	W235BQ	W232CT	NC Lenoir	104.5	W232AV	W283CE
AK Homer	100.9	K272CN	K270CH	OH Ashtabula	88.1	W211AL	W201DP
AZ Dolan Springs	94.9	K234CL	K235CJ	OR Milton-Freewater	99.7	K261BS	K259CR
CA Indio	98.1	CP	K251BX	PA Berwick, etc	89.5	W212AG	W208BU
CA Santa Clarita	100.3	KSWD-2	KSWD-FM2	PA Farmer's Valley	99.3	W259BO	W257CW
CO Colorado Springs	92.5	K276FL	K223CB	TN Bellevue	104.9	W286CN	W285FB
CO East Salt Creek, etc	96.7	K247CC	K244FB	TN Double Springs	* 97.7	W246CM	W249DA
CT Meriden	98.5	W252AV	W253BQ	TX Beeville	93.1	W202CH	K226AV
FL Bayonet Point	100.3	W207BU	W262CP	TX Corsicana	96.7	K297BL	K244FC
FL New Port Richey	103.1	W274BP	W276CX	TX Henderson	107.9	K247BR	K300CX
FL Wesley Chapel South	102.9	W221CE	W275AZ	TX Kerrville	102.1	K274CP	K271CH
HI Lahaina	100.7	KKHI-1	KKHI-FM1	TX San Antonio	94.5	K234CI	K233DB
ID Idaho Falls	88.3	K260CD	K202EL	VA Martinsville	100.7	W265CA	W264CM
IL Decatur	* 94.7	W288CY	W234CI	WA Colville	104.5	KGZG-FM2	KNHK-FM2
LA Slidell	97.9	K251BF	K250BA	WA Spokane	104.5	KGZG-FM1	KNHK-FM1
MN La Crescent	101.9	K270AG	W270CO	WV Wheeling	89.5	W204BE	W208BR
NM Eagle Nest	96.3	K241BN	K242CQ	WI Sheborgan	88.5	W202CH	W203BX
NM Las Cruces	104.5	K282AS	K283CG	WY Worland	90.7	K203BI	K214EZ
NM Raton	100.9	K264BS	K265FC				
NY Elizabethtown	101.9	W269BR	W270CN				

* - station has not yet signed on

— FORMAT AND SLOGAN CHANGES — Full Power Stations

AK Nulato	99.1	KNUL	Changes secondary format to News/Talk
AR Paragould	99.3	KTPG	Signs on with Hot: <i>Jill Radio</i>
CA Fresno	99.3	KJWL	> Adult Contemporary
CA Newport Beach	103.1	KDLE	> Spanish Adult Hits: <i>Jose 97.5 FM</i> [Entravision - Jose FM]
CA Tecopa	105.5	KNIT	Signs on with Contemporary Christian
CA Trona	95.1	KHMJ	Signs on with Regional Mexican: <i>Radio Amigo</i>
CA Twentynine Palms Base	95.5	KCLZ	Changes slogan to: <i>Real Rock 93.7 KCLB</i>
CO Olathe	107.5	KSYF	Signs on with Religious Teaching [Three Angels Network]
FL Daytona Beach	94.5	WCFB	> Classic Hip-Hop/Urban AC 'currents/recurrents': <i>Star 94.5</i> and <i>Today's R&B and Throwbacks</i>
FL Holmes Beach	98.7	WHFS-FM	> Unavailable Format (stunting at deadline)
FL Jacksonville	88.1	WCRJ	> Christian CHR/Rock: <i>Air One</i>
FL Satellite Beach	98.5	WSBH	Adds primary network: Westwood One - Classic Hits
FL Windermere	103.1	WHKQ	> Country: <i>103.1 The Wolf</i>
IL Peoria	106.9	WSWT	Changes slogan to: <i>Mix 106.9</i>
IN Lawrence	93.9	WRWM	> Classic Hip-Hop: <i>I-94</i>
IN Muncie	104.9	WERK	> Unavailable Format (stunting at deadline)
IN Oolitic	88.9	WDCK	Returns to the air with Unavailable Format
IN South Whitley	101.1	WMYQ	Returns to the air with Oldies
IN Worthington	94.1	WLZT	> Unavailable Format
IA Marshalltown	88.7	KRFH	Returns to the air with Contemporary Christian: <i>The Dove 91.9 FM</i>
IA Spencer	104.9	KMRR	> Adult Contemporary: <i>More 104.9</i>
KS La Harpe	91.9	KTRU	Returns to the air with Christian CHR/Rock
KS Newton	92.3	KFTI-FM	> Reading Service
LA Ringgold	98.5	KRGL	Signs on with Religious Teaching
MO Malden	92.9	KLSC	> Sports: <i>ESPN 1220 KGIR</i> [ESPN Radio Network]
ME Pittston Farm	88.1	WHPF	> Southern Gospel: <i>God's Country 88.9</i>
MI Grayling	100.3	WQON	Adds network: Westwood One - Classic Rock
MS Holly Springs	96.5	WWWN	> Contemporary Christian: <i>K-Love</i>
MS Tunica	96.1	WIVG	> Rhythmic Oldies: <i>Boomin 96</i>
NV Amargosa Valley	106.1	KZNV	Returns to the air with Unavailable Format
NM Socorro	92.9	KMXQ	Returns to the air with Unavailable Format
NY Corning	91.9	WCEB	Returns to the air with Variety
NC Boiling Springs	88.3	WRZM	> Contemporary Christian: <i>K-Love</i>
NC Columbia	89.7	WMHK	> Contemporary Christian: <i>K-Love</i>
NC Nashville	99.3	WZAX	> Unavailable Format (stunting at deadline)
NC Sanford	105.5	WFJA	> Classic Hits: <i>Classic Hits 105.5</i>
NC Wingate	91.9	WRCM	> Contemporary Christian: <i>K-Love</i>
ND Tioga	104.1	KZTW	Signs on with Religious Teaching: <i>Real Presence Radio</i> [Eternal Word Network]
OH Hilliard	105.7	WBWR	> Modern Rock: <i>105.7 The X</i>
OK Bristow	104.9	KREK	> Religious Teaching: <i>The SONLIFE Radio Network</i>



OK	Guymon	99.5	KBIJ
OK	Valliant	94.7	KYHD
PA	McConnellsburg	88.7	WWCF
SC	Columbia	89.7	WMHK
SC	Honea Path	103.1	WRIX-FM
SC	West Columbia	100.1	WVOC-FM
TX	Blowout	88.9	KXMP
TX	Comfort	95.1	KGSX
TX	Cotulla	105.7	KECL
TX	Eagle Lake	95.3	KJJB
TX	Eldorado	99.5	KQTC
TX	Miles	95.5	KMLS
TX	Stamford	94.5	KSTD
TX	White Oak	99.3	KAPW
VI	Charlotte Amalie	93.1	WTJX-FM
VA	Luray	105.7	WMXH-FM
VA	Winchester	89.7	WHFW
WA	Newport	104.5	KNHK-FM
WA	Port Angeles	102.1	KSTI
WI	Medford	99.3	WKEB
WI	Racine	92.1	WEZY
WI	Sturgeon Bay	88.5	WPVM
WI	Two Rivers	98.9	WEMP
WY	Rozet	99.1	KLSX
WY	Sheridan	89.9	KDTI

> Regional Mexican: *El Patron 99.5*
Signs on with Classic Country
Returns to the air with Adult Alternative
Changes slogan (and network) to *K-Love*
> Classic Hits
> Urban: *100.1 The Beat*
Adds slogan: Sun Radio 88.9
> Classic Hip-Hop: *Yo! 95.1*
Signs on with **Unavailable Format**
Returns to the air with **Unavailable Format**
Signs on with Tejano: *Q 99.5*
Signs on with **Unavailable Format (stunting at deadline)**
Signs on with **Unavailable Format**
> Spanish CHR: *Mega 99.3*
Signs on with **Unavailable Format**
Returns to the air with Oldies: Bright Radio 105.7
Adds slogan: *Radio Christendom*
> Classic Country: *104.5 Hank FM*
Signs on with **Unavailable Format**
> Adult Hits: *K99*
> Country: *Q92*
Signs on with Religious Teaching: *Wisconsin's Radio Voice of The Master* [WRVM Network]
Signs on with Easy Listening/Soft Oldies // WLWB-1530 New Holstein
Returns to the air with **Unavailable Format**
Returns to the air with Contemporary Christian: *K-Love*



LP Stations

AL	Chelsea	106.1	WLXY-LP
AL	Hartselle	98.3	WYZK-LP
AZ	Jerome	100.5	KZRJ-LP
FL	Daytona Beach	106.3	WAIG-LP
FL	Fort Myers	93.3	WWDH-LP
IL	Peoria	106.3	WPNV-LP
IA	Grimes	102.9	KPOG-LP
KY	Benton	92.7	WDMZ-LP
LA	Hammond	100.1	WHFF-LP
LA	New Orleans	98.9	WXDR-LP
LA	New Orleans	102.3	WHIV-LP
MI	Marquette	103.9	WNOA-LP
NJ	Woodbridge	107.9	WOLD-LP
OH	Piqua	95.1	WPLC-LP
TX	College Station	98.9	KRME-LP
TX	Lubbock	102.9	KVIO-LP
VA	Dale City	97.7	WJEV-LP
VA	Rice	94.1	WJHH-LP

Signs on with Religious Teaching
Signs on with Variety
Signs on with Variety
Signs on with Black Gospel: *Joy 106.3*
Signs on with Religious Teaching
Signs on with Variety
Signs on with Religion
Signs on with Variety
Signs on with Contemporary Christian
Signs on with Adult Alternative: *Dolphin Radio*
Signs on with Variety
Signs on with Religious Teaching [Eternal Word Network]
Signs on with Oldies
Signs on with Religious Teaching
Signs on with Spanish Religion
Signs on with Religious Teaching [Eternal Word Network]
Signs on with Spanish Religious
Signs on with Religious Teaching



Translators

AZ	Tortulito	94.3	K232FD
IL	Chicago	103.9	W280EM
NY	Endwell	96.9	W245BV
NC	Mooresville	101.5	W268BU
OH	Cincinnati	102.3	W272BY
TN	Memphis	103.1	W276BH
TX	San Antonio	94.5	K233DB
TX	Waco	95.1	K236BR
UT	St. George	96.3	K242BV

> Spanish Adult Hits: *La Buena 94.3*
Signs on with Urban Jazz: *103.9 The Groove*
> Classic Country: *US 96.9* // WINR-680 Binghamton
> Contemporary Christian: *K-Love*
> Classic Hip-Hop: *102.3 The Beat* // WEBN-HD3 102.7 Cincinnati
> Adult Standards : *Sunny 1210* // WMPS-1210 Bartlett
> Sports: *1250 ESPN* // KZDC-1250 San Antonio
> Rhythmic CHR: *Z95.1* // KBGO-HD2 95.7 Waco
> Active Rock: *96X*



— FM and AM SIMULCASTS —

IN Anderson	103.7	W279CL	Is heard on: WHBU-1240 Anderson with News/Talk
KY Sturgis	98.5	W253BJ	WMSK-1550 Morganfield with Holiday music; will be followed by a new format (ex: Sports) in the New Year
MO Malden	92.9	KLSC	KGIR-1220 Cape Girardeau, Missouri with Sports: <i>ESPN 1220 KGIR</i>
NY Endwell	96.9	W245BV	WINR-680 Binghamton with Classic Country: <i>US 96.9</i>
TN Memphis	103.1	W276BH	WMPS-1210 Bartlett with Adult Standards: <i>Sunny 1210</i>
TX San Antonio	94.5	K233DB	KZDC-1250 San Antonio with Sports: <i>1250 ESPN</i>
UT Woodruff	107.1	KEGH	KALL-700 North Salt Lake City with Sports: <i>ESPN 700 Sports [ESPN]</i>
WI Howard	92.1	W221DA	WNFL-1440 Green Bay with Sports
WI Two Rivers	98.9	WEMP	WLWB-1530 New Holstein with Easy Listening/Soft Oldies



— TRANSLATOR STATION AFFILIATIONS —

WI Howard	92.1	W221DA	<u>Power (Watts) / Ant Ht</u> 250 DA (180-100°) / 49	<u>Relays:</u> WNFL-1440 Green Bay
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Translator power levels are in Watts;
Antenna heights are HAAT, except where noted # when the height is AGL

— NEW LPFM STATION GRANTS —

			<u>Power (Watts)/Ant Ht</u>	<u>Licensee:</u>
AL Sheffield	90.7	WYRH-LP	100 / 5	Tennessee Valley Art Association
CA Biola	104.3	KJOU-LP	66.4 / 37	Western Educational Alliance Inc.
CA Fresno	³ 103.3	CP	12.6 / 83	Idefua Foundation for African Arts and Culture
CA Fresno	³ 103.3	CP	18 / 61	Downtown Association of Fresno
CA Redlands	94.3	CP	100 / (-) 1	Calvary Chapel of Redlands D/b/a Packinghouse Christian FWP
CA Sacramento	92.1	CP	82.9 / 33	Women's Civic Improvement Club of Sacramento, Inc
CA Ventura	93.3	CP	1.7 / 260	La Iglesia Cristiana De Oxnard
CA Victorville	98.7	KNVU-LP	1 / 428	Centro Internacional De Oracion
CA Yucaipa	94.3	CP	100 / (-) 1	Yucaipa Center for Health and Family Well-Being Inc
CO Colorado Springs	103.5	KJQY-LP	25 / 59	Native American Music Society
CT Collinsville	107.5	WMMM-LP	100 / 27	Huckleberry Hill Music Society Inc.
CT South Windsor	101.7	WOGS-LP	3 / 173	Spiritual Renewal Center, Inc.
GA Savannah	94.7	WPES-LP	100 / 29	Primera Iglesia Bautista Hispana De Savannah Inc
ID American Falls	96.7	KDDE-LP	100 / (-) 11	Templo Emanuel Asambleas De Dios
IL Chicago	¹ 99.1	CP	29.7 / 54	Urbanmedia One
IL Cicero	¹ 99.1	CP	52 / 42	Morton College
IN Charlestown	98.3	CP	100 / 30	City of Charlestown, IN
IN Evansville	102.5	CP	33 / 52	Evansville Real Radio, Inc.
IN Leo	94.5	WZXC-LP	100 / 26	Harvest Christian Fellowship, Inc.
IN South Bend	106.7	CP	100 / 27	Sisters of St. Francis of Perpetual Adoration
KS Kansas City	97.7	CP	100 / (-) 2	Centro Cristiano Agua Viva
KS Topeka	97.7	CP	100 / (-) 9	Family of God Fellowship Church, Inc.
KY Benton	92.7	WDMZ-LP	36.9 / 47	Falcon Communications Corp.
KY Frankfort	100.9	CP	100 / 16	Kentucky State University
KY Lexington	99.7	CP	49 / 39	Lexington Christian Network, Inc.
MA Auburndale	102.9	WLAS-LP	100 / 30	Lasell College Radio
MA Dorchester	102.9	WBPG-LP	100 / 27	Global Ministries Christian Church
MA East Boston	⁴ 94.9	CP	71 / 36	ZUMIX, Inc.
MA East Boston	⁴ 94.9	CP	71 / 36	Winthrop Art Association
MA Lynn	89.3	WCDV-LP	14 / 79	Iglesia Christiana Torrente De Cedron
MA Newburyport	96.3	WJOP-LP	100 / 30	Newburyport Community Media Center
MI Berrien Springs	93.5	CP	100 / 25	Leland Straw Memorial Educational Fund, Inc.
MI Flint	92.1	CP	85 / 33	Flint Odyssey House Inc
MI Flint	96.7	CP	100 / 19	Michigan Specialized Communications Group, Inc
MI Grand Rapids	92.3	WRVU-LP	100 / 26	Iglesia Del Rey

MI Grand Rapids	97.3	CP	36 / 50	Community Empowerment Center of Grand Rapids
MN Minneapolis	98.9	CP	100 / 29	Pillsbury United Communities
MN Saint Cloud	97.5	KVEX-LP	44.8 / 44	St Cloud State University
MS Mayhew	92.7	CP	100 / 30	East Mississippi Community College
MO St. Louis	102.9	CP	20 / 66	International Institute of Metropolitan St. Louis
NV Las Vegas	² 95.9	CP	100 / 3	Iglesia Cristiana Voz De Salvacion
NV Las Vegas	² 95.9	CP	100 / (-) 8	Blackbird Arts, Inc.
NV Las Vegas	² 95.9	CP	100 / (-) 8	City of the World, Inc.
NV Pahrump	97.7	KPFF-LP	100 / (-) 137	Pahrump Film Festival Inc
NJ Egg Harbor Township	107.9	CP	34.1 / 50	Hearts Afire Ministries, Inc.
NJ Galloway	107.7	CP	52 / 42	Word of Life Christian Fellowship
NM Hobbs	99.3	KHBX-LP	45 / 45	City of Hobbs, NM
NY Binghamton	99.5	CP	15 / 77	The Bundy Museum of History & Art
NY Dewitt	92.5	WPBB-LP	15 / 76	Manlius Pebble Hill School, Inc.
NC Cary	103.3	CP	30.1 / 53	Diocese of Raleigh
NC Greensboro	102.7	CP	100 / 21	Greensboro Radio Project, Inc.
NC Raleigh	90.1	WPFY-LP	8.2 / 107	Birthchoice
NC Raleigh	106.7	CP	100 / 19	Centro Cristiano El Sermon Del Monte
NC Red Oak	105.5	CP	76 / 35	Northern Nash High School
NC Rocky Mount	101.3	WQMR-FM	40 / 47	Brameldon Productions
NC Rocky Mount	106.7	WDBP-LP	100 / 22	North Carolina Humane Society State Council
NC Wilmington	99.3	WZRF-LP	100 / 14	Neptune Radio Incorporated
OH Cincinnati	105.5	CP	15 / 76	24-7 Broadcasting, Inc.
OH Galloway	92.7	WEFC-LP	100 / 22	Christian Church of Evangelical Faith Pentecostal
OH Piqua	95.1	WPLC-LP	90 / 32	Piqua Christian Lifestyle Radio
OH Toledo	106.1	CP	28 / 56	Toledo Integrated Media Education, Inc.
OK Broken Arrow	102.9	KPIM-LP	50 / 42	Broken Arrow Catholic Radio, Inc.
PA Bryn Mawr	92.9	WZML-LP	9 / 96	The Inge Davidson Foundation
PA Hazleton	98.9	WEVB-LP	5 / 141	Iglesia Evangelica Congregacional Inc
PA Lenhartsville	107.1	CP	100 / 21	Berks Radio Association
SC Charleston	97.5	WYLA-LP	100 / 29	The Charleston County Public Library
SC Columbia	101.7	CP	90 / 32	Cardinal Newman School
SC Rock Hill	98.5	WYTX-LP	88.4 / 32	York Technical College
TN Nashville	101.5	WXNA-LP	100 / 5	WRVU Friends and Family
TN Nashville	104.1	CP	100 / 18	Middle Tennessee Jobs with Justice
TN Rosemark	105.1	CP	100 / 30	Tipton - Rosemark Academy, Inc.
TX Campbell	92.9	KSCG-LP	4.6 / 138	Shady Grove Baptist Church Greenville
TX Mission	99.9	KZOA-LP	50 / 40	La Respuesta Church Ministries
TX Quinlan	95.7	KTTR-LP	72.8 / 35	Quinlan Church of Christ
TX Texarkana	88.3	KTHN-LP	100 / 24	Kappa Alpha Psi Texarkana Chapter
VT Burlington	99.3	CP	100 / (-) 14	Vermont Community Access Media (VCAM)
WA Bellingham	107.3	CP	1 / 281	New Generation Youth Center
WA Olympia	100.3	KOLP-LP	6.3 / 96	Olympia All Ages Project
WA Tulalip	102.1	CP	47 / 44	The Tulalip Tribes of Washington
WV St. Albans	106.9	CP	5 / 137	Coal Mountain Broadcasting, Inc.
WI Milwaukee	104.1	WXRW-LP	100 / 22	Riverwest Artists Association

¹ - Time-share agreement [Morton will operate 0900-1700 local Monday - Friday; Urbanmedia One will operate all remaining hours]

² - Time-share agreement

³ - Time-share agreement

⁴ - Time-share agreement [Winthrop will operate 0900-1500 local Monday - Friday; ZUMIX will operate all remaining hours]

— APPLICATIONS FOR NEW LPFM STATIONS —

			<u>Power (Watts)/Ant Ht</u>	<u>Applicant:</u>
FL Tampa	² 100.1	APP	100 / 19 *	Neighborhood Voice, Inc
IL Chicago	¹ 98.3	APP	86.1 / 32	Legend Media Network Group
IL Chicago	¹ 98.3	APP	32.2 / 52	Sound of Hope Radio NFP
MD Bowie	94.3	APP	4.7 / 137	The Bridge Foundation Corporation
MI Grand Rapids	104.9	APP	54.8 / 40	Grand Rapids Adventist Academy
NJ Mays Landing	107.9	APP	86.6 / 32	Atlantic Cape Community College
NY Huntington Station	105.5	APP	17.7 / 70	Libertad En Cristo
TN Greenville	97.9	APP	16.3 / 73	Our Father's Business, Inc.

¹ - Competing applications

² - Reinstated after being dismissed

³ - Reinstated after being dismissed

LPFM power level is in Watts; antenna height is HAAT, except where noted * when it is AGL

— LPFM PETITIONS FOR RECONSIDERATION SUBMITTED —

CA Los Angeles	101.5	CA Sun Valley	99.1	TX Houston	105.3
CA Los Angeles	101.5	IA Decorah	104.1		
CA San Fernando	99.1	MA Brockton	96.5		

— INFORMAL OBJECTIONS FILED AGAINST LPFM APPLICATIONS —

AL Live Oak (2 Apps)	99.3	NC Raleigh	106.5
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— LPFM APPLICATIONS DISMISSED —

AK Wasilla	96.9	MO St. Louis (2 applications)	² 102.9	PA Philadelphia (6 Apps)	¹ 106.5
CA Santa Rosa	92.5	NE Omaha	101.3	TN Bartlette	105.1
DC Washington	95.9	NV Las Vegas	² 95.9	TN Nashville	^{1,2} 101.5
IL Chicago (2 applications)	² 99.1	NC Apex	103.3	TN Nashville (2 applications)	^{1,2} 104.1
MA East Boston	² 94.9	OH Toledo	96.5	TX Lubbock	92.3
MA East Chelsea	² 94.9	OR Antelope	98.9	VT Burlington	^{1,2} 99.3
MI Grand Rapids	² 97.3	OR Portland	101.5		
MN Minneapolis (2 applications)	² 98.9	PA Kutztown	107.1		

¹ - Dismissed at the request of the applicant

² - Lost to a competing applicant [see New LPFM Station Grants]

— OTHERNEWS —

AL Jackson	92.5	W223BF	License cancelled; call deleted
AL Tuscaloosa	103.3	WUAC-LP	License cancelled; call deleted after no response to operational status inquiry
AK Homer	89.3	K207DR	License cancelled; call deleted
AK Seward	90.7	KSVJ	Is silent
AK Sterling	92.5	K223BE	License cancelled; call deleted
AZ Globe	95.9	KXTW-LP	Changes frequency from 101.1 [station has not yet signed on]
AZ Salome	90.1	KNGQ	License cancelled; call deleted
AZ Tanque Verde	104.9	KWCX-FM	Is silent
AR England	100.9	K265EO	CP to move to Stuttgart is cancelled
AR Ratcliff	88.5	KXKY	License cancelled; call deleted
CA Avenal	88.7	KZAV	License cancelled; call deleted
CA Lancaster	96.7	KFXM-LP	CP to move to 98.3 is cancelled
CA Millers Ranch	89.3	KRBO	License cancelled; call deleted
CA Old Dale	89.1	KDAJ	License cancelled; call deleted
CA Point Reyes	91.3	KDVZ	License cancelled; call deleted
CA Rock Creek	90.7	KRBP	License cancelled; call deleted
CA Willow Creek	99.5	CP	CP granted for a new C3 station with .61 kW/572 m at 40-59-26/123-45-54
CO Colorado Springs	99.3	K257FO	Changes CoL from Skinners
CO Durango	101.3	KIQX	Fined (along with co-owned stations KRSJ 100.5 and KIUP-930, both Durango), \$25,000 for operating three Studio-Transmitter Link (STL) transmitters at locations not authorized in their licenses.
CO Eckley	95.3	KECK	License cancelled; call deleted [station has not yet signed on]
CO Limon	93.7	KIIQ	CP to move to 102.3 is cancelled
CO Loveland	101.7	K269EQ	CP to move to 101.5 is cancelled
CO Plainview	88.9	K205FV	Changes CoL from Estes Park
CO Pueblo	106.9	KLCX	Is silent
FL McClenney	103.5	W278BD	CP to move to 92.7 is cancelled
FL Orlando	107.3	W297BB	Changes CoL from De Bary
FL Stuart	88.5	W203BE	License cancelled; call deleted
FL Vero Beach	100.1	W261CC	License cancelled; call deleted
GA Athens	99.5	W258CC	Changes CoL from Danielsville [station has not yet signed on]
GA Suwanee	93.5	W228CA	Changes CoL from Oakwood
GA Lumpkin	91.5	WHJS	License cancelled; call deleted
HI Kahului	103.9	KNUQ-FM1	Changes frequency from 103.7
ID Idaho Falls	88.3	K202EL	Changes CoL from Blackfoot
ID Shelley	107.9	KAOX	Changes CoL from Kemmerer, Wyoming and frequency from 107.3

IL Carmi	90.5	WYER	License cancelled; call deleted
IN Ft. Branch	106.9	W295AW	CP to move to Cynthiana is cancelled
IN Marengo	89.9	WBRO	Fined \$1500 for failure to apply for license renewal in a timely manner
IN Palmyra	101.9	W270AN	License cancelled; call deleted
IA Dunkerton	103.9	KCOO	License cancelled; call deleted
IA Fort Dodge	88.7	KWOP	Is silent
KS Great Bend	88.1	KRTT	Is silent
KY Scottsville	91.5	WBGB	Changes frequency from 91.3
LA Franklinton	98.9	WUUU	Fined \$6000 for failure to maintain an operational EAS system, and tower lighting and painting requirements
LA Opelousas	103.7	KOCZ-LP	CP to move to 92.9 is cancelled
LA Shreveport	106.3	KBLK-LP	CP to move to 95.1 is cancelled
ME Oakland	88.9	WMDR-FM	Is silent
MI Auburn Hills	89.5	WAHS	Changes CoL from Auburn Heights
MN Mora	96.5	KBEK	Is operating under a STA with 5 (vs licensed) 25 kW due to transmitter failure. No 'get well' date is specified.
MS Merigold	89.5	WXEC	License cancelled; call deleted
MS New August	101.7	WZHL	License cancelled; call deleted
MO Laurie	100.9	KCKP	License cancelled; call deleted
MO Vandalia	104.3	KKAC	Is silent
NE Wayne	98.9	K255CK	Changes CoL from West Point
NH Stratford	98.7	WTTT	License cancelled; call deleted
NY Albany	107.3	WCAA-LP	Changes Frequency from 107.1 [station has not yet signed on]
NY Elizabethtown	101.9	W270CN	Changes CoL from St. Huberts
NY Plattsburgh	96.3	W242BS	Changes CoL from Keeler Bay, Vermont
NY Ripley	98.7	WNYP-LP	License cancelled; call deleted per licensee's request
NC Goldsboro	98.9	W255AL	License cancelled; call deleted
NC Smithfield	102.3	WFNL-FM	Is silent
ND Crary	95.3	KKWZ	Is silent
OR Chemult	89.5	KSKX	License cancelled; call deleted
OR Cottage Grove	88.3	KCGO	License cancelled; call deleted
OR Eugene	107.1	KLVU-FM1	License cancelled; call deleted
OR Family Camp	107.1	KLVU-FM2	License cancelled; call deleted
OR Huntington	93.5	KHNO	License cancelled; call deleted
OR Seaside	105.3	K290BK	CP to move to 105.1 is cancelled
PA Hustontown	91.7	WRJV	License cancelled; call deleted
SC Lexington	107.9	WLXM-LP	CP to move to 106.1 is cancelled
SC Seneca	102.1	W271AJ	CP to move to 101.5 is cancelled
SD Lead	96.7	CP	CP granted for new Class C station with 100 kW/501 m at 44-19-35/103-50-06
SD Huron	105.1	KZKK	Is silent
SD Mitchell	99.5	K258AG	Is off the air due to tower collapse caused by a storm on 12/15/2014
SD Rapid City	97.1	KFND-LP	CP to move to 98.3 is cancelled
TX Alice	92.1	KOPY-FM	CP to move to 92.3 is cancelled
TX McLean	107.5	KHDM	License cancelled; call deleted
TX New Boston	103.5	KZRB	Fined \$1500 for failure to apply for license renewal in a timely manner
TX Pecos	97.3	KGEE	Is silent
UT Kaysville	107.5	KKLV	Changes CoL from Orem
UT Randolph	107.9	KUDD	Changes CoL from Roy
UT Woodruff	107.1	KEGH	Changes CoL from Brigham City and frequency from 106.9
VT Burlington	98.3	W252CJ	Changes CoL from Westford
VT Randolph	100.1	WRAN-LP	License cancelled; call deleted per licensee's request
VA Lakeside/Richmond	91.7	W219CX	CP to move to Richmond is cancelled
VA Luray	105.7	WMXH-FM	Is silent
WA Olympia	101.9	KZIT-LP	License cancelled; call deleted per licensee's request
WY Burns	89.9	KIHI	CP to move to 89.1 is cancelled
WY Dubois	96.3	KDBU	License cancelled; call deleted
WY Diamondville	105.3	KDWY	CP to move to Oakley, Utah is cancelled
WY Laramie	99.5	K258BB	CP to move to Wellington, Colorado is cancelled
WY Rozet	99.1	KLSX	Is silent

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 Thanks to Shawn Axelrod, Tim Noonan, Ralph Strobel, Dan Sys, Radio Insight, and Upper Midwest Broadcasting for news and stuff.
 If you hear any changes occur on your FM dial, share the news! 73
 +++++



PHOTO NEWS

Jeff Kruszka
 1909 Lost Lake Pl.
 Pearland, TX 77581
jkruzka@sbcglobal.net

January 2015

Here's another batch from Eric Bueneman, N0UIH, Hazelwood, MO:



WBBM-12 Chicago, IL
 255 mi Tr seen 8/24/14



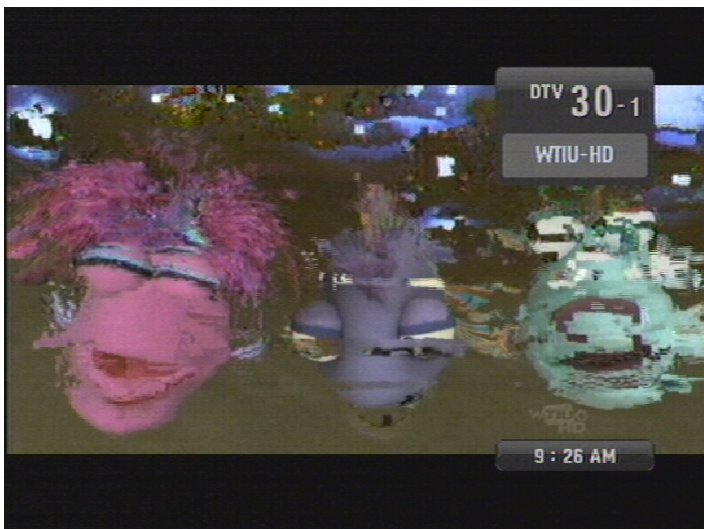
WLS-44 Chicago, IL
 255 mi Tr seen 8/24/14



WMAQ-29.2 Chicago, IL
 255 mi Tr seen 8/24/14



WMWC-8 Galesburg, IL
 155 mi Tr seen 8/25/14



WTIU-14.1 Bloomington, IN
 210 mi Tr seen 8/26/14

73's, JEFF



Coast to Coast TV DX

Featuring reports from the entire United States and all of Canada.

Send reports by the 15th of each month to:
Nick Langan
42 Holly Park Drive
Tabernacle, NJ 08088
E-mail: nickl@wtfda.org

The Editor's Note

We hope all C2CTV DX readers had a wonderful Christmas and holiday season! Sometimes good things do come to those who wait – and for DXers in the Midwest and plains, after a hollow summer and fall for tropo, relatively mild weather ushered in a very respectable opening, particularly for the time of year, from the 11th through 13th of December. Tropo in the winter months is no stranger to the mid-south, but this particular opening showed working 2-meter APRS paths from locales as far north as North Dakota to the upper peninsula of Michigan, regions that are often well into ‘deep freeze’ mode in December. Some notable logs included DTV decodes by Ed Phelps in KY into SD and MN, while Mike Glass in IN had successful decodes into SD and MN as well as GA, as did Steve Rich in IN on the latter.

Doug Smith (W9WI)
Pleasant View, TN

7 December 2014 Tr
0432 39 WSB GA Atlanta (238)

(a big surprise given windy, cold, cloudy weather...)

Dennis Park Smith
3605 San Remo Dr
Santa Barbara, CA 93105-2523
Telephone (805) 687-7803
24-hour PST

This report is from November 11 to December 11, 2014.

High air temps her along the coast continue from warmer mid 70sF/low20sC to cooler mid 60sF/apx18C. Ocean water temp has gradually gone down over this period from the high

60sF/apx20C to the mid 60sF/apx18C. However, I have heard that this ocean temp is above average for this time of year.

Distances are approximate. So-Calif tropo ducting to San Diego/Tijuana/Tecate from 175 mi/280 km up to 220 mi/350 km SE:

Nov 11 - 14	None	Cooler, unsettled
Nov 14 - 18	Out of town	
Nov 19 - 22	None	Colder, calm but threatening
Nov 23 - 24	Poor	Calm, some warming
Nov 25 - 29	Var.poor-fair	More warming, up to 80+, high pressure
Nov30-Dec6	None	Unsettled, cooler, 60sF,
	RAIN Dec 2-4	
Dec 7 - 10	Var.poor-fair	Mild, warmer 70F, sunny
Dec 11 -	None	Cooling, 60sF

As of this writing, heavy rain is coming.

Best of DX to All Dennis



Southern FM DX

John Zondlo – 4009 Driftwood Circle – Yukon, OK 73099
Southernfmdx@wtfda.org – Deadline: 15th
January 2015

Eric Bueneman – N0UIH – 631 Coachway Lane – Hazelwood, MO 63042-1347

Equipment: Kenwood AR-304 AM/FM/FM Stereo receiver with filter modification by Bruce Elving (Silent Key), Antenna Performance Specialties APS-9B at 28 feet above ground level, Radio Shack PRO-2052 VHF/UHF scanner with RS discone at 32 feet above ground level. All times are CDT/CST; all distances in miles/kilometers.

8/2/14 Tr

0041 Columbia MO 89.5 (through KCFV), 91.3\$, 96.7, 101.5 105/169

0042 Mexico MO 88.3\$, 95.7 115/184

8/15 Tr/Es

1221 KMXV 93.3 MO Kansas City, "Mix 93.3," CHR, local ads, promo 225/362

1236 KLQT 95.1 NM Corrales, "Channel 95-1," *Ryan Seacrest*, traffic report 930/1497

2047 KMJK 107.3 MO North Kansas City, "Magic 107.3," local ads, promo, urban AC, K297BI nulled 230/370

8/21 Tr

0105 WKQK 94.1 TN Germantown, "94.1 KQK," classic hits 250/402

0123 WHOP 98.7 KY Hopkinsville, "Light 98.7," local ads, AC 210/338

0132 KZBK 96.9 MO Brookfield, "96.9 KZBK," hot AC 155/249

0135 WMC 99.7 TN Memphis, "Today's Best Mix, FM 100," local ads, hot AC 250/402

0137 KZZ38 162.5 MO Trenton, weather forecast, conditions for MO/IA/NE 195/314

0211 WXK82 162.475 MO Hannibal, weather conditions, severe weather outlook, over KXI49 90/145

0218 WWG49 162.5 MO Fredericktown, CDT time check, legal ID, weather forecast 85/137

0228 KIOA 93.3 IA Des Moines, "93-3 KIOA," promo, local ads, oldies 255/410

8/22 Tr

0225 WBOW 98.5 IL Paris, "The New 98-5 WBOW," AC 145/233

0227 WZIM 99.5 IL Lexington, "Bloomington/Normal's New Magic 99.5," promo, AC, w/WCOY 145/233

0239 WKDQ 99.5 KY Henderson, calls, promo, local ads, country music 170/274

8/23 Tr

1728 WXN85 162.4 IA Fairfield, weather forecast, Burlington IA climate summary 185/298

8/24 Tr

0050 WDCR 88.9 IL Oreana, *The World Over*, Catholic features, legal ID mentioning Decatur 115/184

0152 WXJ92 162.5 IL Macomb, heat advisory, weather summary and forecast 115/184

0222 KAMS 95.1 AR Mammoth Spring, "K-Country 95," weather forecast, classic country 175/282

1824 KXI58 162.4 IL Plano, legal ID, heat advisory 220/354

1828 WUSN 99.5 IL Chicago, "US 99.5," country music 255/410

1847 WLEY 107.9 IL Aurora, "La Ley," Mexican pop music, phone call, local ads in SS 225/362

1851 WJMK 104.3 IL Chicago, "Jack," adult hits, over digital ACI from WHHL 104.1 255/362

1855 WOJO 105.1 IL Evanston, local ads in SS, legal ID in EE and SS 270/435

1858 WCFS 105.9 IL Elmwood Park, "Newsradio 780 and 105.9 FM," local ads 270/435

1924 WGFA 94.1 IL Watseka, local church remote, mention of Watseka, AC 200/322

1957 WPCD 88.7 IL Champaign, alternative rock, legal ID, no sign of WSIE 150/240

2049 WIVR 101.7 IN Kentland, "River Country," country music, community calendar, over WGEL 205/330

8/25 Tr

0152 WPBG 93.3 IL Peoria, "93-3 The Drive," local ads, legal ID, classic hits, \$ 140/225

0240 WIHN 96.7 IL Normal, "96-7 I-Rock," album oriented rock 145/233

1840 WQTY 93.3 IN Linton, St. Louis Cardinals baseball, w/WPBG, WTRH 175/282

1931 WXJ91 162.525 KY Madisonville, severe weather outlook, CDT time check 190/306

8/26 Tr

0113 WMC 99.7 TN Memphis, "FM 100," local ads, w/WXAJ 250/402

8/28 Tr

0150 KMZU 100.7 MO Carrollton, "The Farm, 100.7 KMZU," country music, promo, KFNS nulled 210/338
1035 WVUB 91.1 IN Vincennes, "The Blazer, 91-1," hot AC, WIBI off 135/217

8/29 Tr

0144 KMGO 98.7 IA Centerville, "Iowa's Country, 98.7 KMGO," country music w/WNNS 225/362

10/16 Tr

2235 KIG76 162.55 IN Evansville, weather conditions, regional weather summary, forecast, local KDO89 off 165/266
2243 WXJ76 162.55 IL Champaign, weather conditions, flood report, mixing with KIG76, local KDO89 off 150/240

10/20 Tr

2316 WWF76 162.475 MO Summersville, regional wx conditions, hazardous wx outlook, wx forecast, KXI49 off 130/209
2319 WXJ76 162.55 IL Champaign, weather summary, legal ID, CDT time check, w/KIG76, local KDO89 off 150/240
2350 KXI93 162.55 MO Cape Girardeau, legal ID, w/KIG76, WXJ76, local KDO89 off 115/184

10/26 Tr

2209 KIH20 162.4 AL Huntsville, local weather, southeast wx conditions, o/KXI52
2357 KIH58 162.475 AL Anniston, AL/GA weather conditions, through KXI149/KIH46 435/700

10/27 Tr

0037 WNG570 162.5 KY Horse Cave, wx conditions for south central KY, through KXI46 265/426
0158 WNG643 162.525 AR Marvell, CDT time check, forecast for Clarksdale MS, legal ID, wx conditions 295/475
0214 KXI96 162.4 AR Russell, legal ID, website mention, weather forecast, NWR station #120 245/394
0258 WHOP 98.7 KY Hopkinsville, "Light 98.7," legal ID, AC 210/338
0237 WXK49 162.475 TN Memphis, wx conditions, hazardous wx outlook, CDT time check, wx forecast 250/402
0244 KJY83 162.5 MS Carthage, weather conditions for eastern MS, tropical and severe weather outlooks 420/676
0255 WWF53 162.525 AL Winfield, wx conditions for AL/MS/TN, hazardous wx outlook 365/587
0304 WJXA 92.9 TN Nashville, "Mix 92-9," AC 270/435
0312 WNG554 162.525 TN Winchester, wx forecast for south central TN/N AL, hazardous wx outlook 340/547
0320 KIH53 162.4 MS Booneville, wx conditions for AL/MS/TN 300/483
0337 WKDQ 99.5 KY Henderson, local ads, promo, calls, country music 170/274
0341 WBUZ 102.9 TN La Vergne, "Nashville's Rock Station," modern rock 285/459

11/5 Tr

1950 WBEL 88.5 IL Cairo, "American Family Radio," *Love Worth Finding*, promos, legal ID 140/225
2027 WDNL 102.1 IL Danville, "D-102," local ads, promo, *The John Tesh Show* 175/282
2030 Springfield IL 89.7 (KGNX nulled), 91.9, 98.7, 101.9 (K270BW nulled), 104.5 80/128
2110 WHET 97.7 IL West Frankfort, "US 97-7," classic country, KHZR nulled 100/161
2126 WKYX 94.3 IL Golconda, "News/Talk 94-3 and 99-5," local ads, conservative talk 160/257
2127 WKYQ 93.3 KY Paducah, "93.3 WKYQ," local ads, *Country Music Association Awards* 155/249

E-Skip had its last gasp for 2014 on August 15 with the log of KLQT 95.1; the second time I logged this metro Albuquerque station during the 2014 season. 1,100-watt WDCR 88.9 was the big surprise in the wee hours on August 24, not knowing that Chicago area FM, NOAA Weather Radio and DTV stations would make their presence known that evening. The morning of August 26 was highlighted by semi-local WIBI 91.1 being off; WVUB made it in with the relay of WBGL 91.7 off the air. Local KDO89 162.550 was noted off on October 16; Champaign and Evansville were taking turns topping the frequency. All transmitters with programming from the National Weather Service office in Weldon Spring, MO were off the air on October 20, with the exception of KXI70 162.450 Jerseyville, IL (which was on open carrier), so I was able to add KXI93 Cape Girardeau, MO to my logbook on 162.550. The opening on October 26-27 was a big surprise, allowing me to add two new NOAA Weather Radio stations to my logbook from Arkansas and finally hearing a 162.500 station in the state of Kentucky. As of December 13, 2014, 1,286 FM stations and 120 NOAA Weather Radio stations are in my logbook. 73 and best of DX in 2015!

The Year in Review...WTFDA 2014



The year 2014 was not an ordinary year for the WTFDA. 2014 was the year that the club decided to switch from a paper based bulletin to an e-zine instead. 2014 was the year that we found a new VUD publisher with enthusiasm and some good ideas.

The transition from paper VUD to e-zine was a rocky ride. A few members were vocal in their opposition to the switch. Some refused to renew their memberships. We took a big hit on membership and even though it was expected, it was still a shock. Some of our most experienced DXers and senior members were caught in the transition, and we decided to accommodate them by printing up copies of the eVUD and mailing the copies to them and recently we sent out "feelers" to another small group of ex-members.

As we just said, membership took a big hit from being in the 220-230 range to dropping to the 190s at this time. In 2014 we had ten new members to the club, with five of them being former members who rejoined. Since WTFDA is the smallest of the three major clubs in North America, we have to monitor this situation carefully. Other clubs might be able to afford losing a hundred members. We really can't afford to lose any.

Another reason for the drop could be propagation. Except for a handful of openings, the summer Es season was dead and for most of us, so was tropo. It's hard to stay excited about a hobby when your location is no longer suitable for DXing or there's just nothing to DX. And having no analog TV left on the air doesn't help either. One wonders what happens to TV DXing when Mexico goes digital this year.

On the other hand, the WTFDA Facebook page called [TV and FM DXing](#) is now up to almost 180 group members, and by group members we mean both WTFDA and non-WTFDA members. This group is the fastest growing area of any of the areas WTFDA is involved with probably due to the ease of posting photos, screengrabs and audio to members' posts plus the fact that notifications of new posts are emailed to each group member as they are posted.

The [WTFDA FM database](#) is another success story, thanks to the hard work of a small group of dedicated members who supply the data and update the database. We regularly receive visitors from south of the border there and many folks are heavy users.

Use of the [WTFDA Forums](#) may have stagnated a bit this past year. Currently there are about 100 active users there. An active user is someone who has logged into the site at least once every 3-4 months. Those DXers who do use the Forums, though, keep it fresh with their posts and conversations.

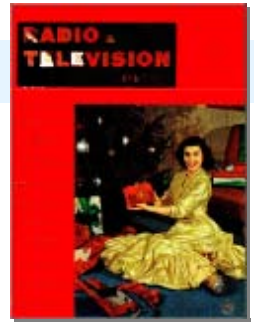
That leaves us with the [WTFDA Bulletin Board](#) and the email lists. They both serve a purpose but neither one is used as much as it could be. For the past few months we've been posting the loggings from the Bulletin Board in the VUD so folks can see what goes on there.

What happens in 2015? That depends on a good Es season and some good tropo openings in 2015 to attract new members. It's a given that people are changing the ways they DX and report DX and how they interact and socialize with other DXers. Hopefully WTFDA can adapt. And hopefully all of the major DX clubs can adapt.

DX Television

Written by Stan Johnson, WØLBV

Reprinted from *Radio & Television News*, December 1952



THERE are cowboys on Peachtree N Street in Atlanta, Georgia—the Johnsons know, because we've seen them. The only thing remarkable about this fact is that we saw them from Denver—via a television signal loosed from the transmitting tower of WSB in Atlanta—months before Denver had a television station of its own!

Because Denver was one of the most television-hungry cities in America—the largest to be caught by the “freeze” without a station—it became the center of an extremely active group of television DXers—of whom the writer was one. From the experience of this group has come some practical ideas to help you pull in long distance television—and enjoy one of the few real thrills left in radio.

The writer's interest in television DX was sparked by work on an article which appeared in *RADIO & TELEVISION NEWS* this past year—and dealt with DX-ing by a service technician in Longmont, Colorado. After seeing what could be done, it was inevitable that the Johnson family would acquire a television set, despite the fact that at that time it appeared television for Denver was a long ways away.

The set, however, was nothing fancy. It couldn't be—because it had to be lugged from San Francisco, where the writer happened to be on business. Furthermore, there was a little matter of explaining to the XYL that a television set was something the household could not do without, and that those new drapes for the bedroom could wait.

(How to sell an XYL an idea like this will be discussed later—so read on!)

At any rate, the set chosen was a little second-hand 7-inch Admiral, which sold for \$50.00. Sharpies, with time to shop, have been known to buy similar 7-inch sets for \$25.00 or less.

The little set managed to survive the trip all right—and was brought home and hooked up—in late January. Wonder of wonders—for a few fleeting seconds one memorable Sunday morning—it brought in a picture.

But all of the dope said that sporadic “E” reception wouldn't begin until May—and unfortunately, the dope was right. For weeks the little set produced nothing—although

by this time the XYL was becoming interested enough to monitor Channel 2 several times a day—and the Number Two Son had learned to say something which sounded like “no pictures today, Mommy.”

Meanwhile, the OM, being the conservative type, had decided that a booster might be a good idea, so had parted with another \$10.95 to buy a “bargain” 6J6 booster.

Then, one evening—May 3rd—the 10-meter phone band came alive with a bang on “short skip.” So it was time to check the theory that if 10 meters was open, Channel 2 should not be far behind.

Bright and early Sunday morning the little TV set was turned on. And there it was—intermittent—fading— but a picture: KPRC in Houston, Texas.

Because the picture seemed to be a bit mussed-up, it was decided that the home-brewed V-beam being used was probably causing ghosts—so a standard TV antenna (Dubl-V) was hastily erected on a rotating mast assembly—and we were ready to try again.

The next chance came on May 9, and the XYL reported that the picture still displayed people with three heads—so the OM knew that he had a service job on his hands. It turned out to be nothing more complicated than replacing the horizontal oscillator tube.

One fact was already apparent—the wire V-beam, which cost less than \$2.00 to erect, was a lot better than the smaller Dubl-V. And it became evident from checking with other hams and TVL's in the city that the big V-beam has the pleasant habit of brewing up signals when large stacked TV arrays, and much hotter receivers, weren't doing a thing.

The V-beam was about as simple as an antenna could be—consisting of two wires (see diagram) fed with a feeder on one end. An open wire line (the original was homemade but the Gonset line would be ideal) was used to tie the antenna to the set.



Jim Livesey, WOTRF, has logged over 20 DX television stations. This new “hobby” has gained a tremendous following in the U. S.

Fine on Channel 2—which after all is fairly low frequency. But surely a standard TV antenna would do the job better when the higher frequencies opened up.

On May 17 they did—with a bang—signals coming in as high as Channel 5. In every case the V-beam outperformed the TV antenna—in any direction—and the average held true all summer long. Further cross-checking with other listeners showed that the beam was staying in there with the best of them—and out-performing all but the best.

Exactly why the writer doesn't know. However, here is a theory, for what it is worth.

Big stacked arrays have as their basic purpose concentrating reception at very low angles—a factor which is probably more important than sheer gain in fringe area reception. But TV DX is fairly high angle. And a wire V-beam is a fairly wide angle device—capable of receiving from a number of angles—and from many different directions. Likewise, having a lot of wire out seems to give better over-all efficiency—or as one practical soul put it—gets a “better grip on the ether.”

However, the V-beam does have one serious disadvantage—it picks up signals from many different directions at the same time. And until you have seen TV stations pile up five deep on the same channel you don't know what interference is.

So—in the writer's opinion—the best answer for the antenna problem is to put up a V-beam for best reception when signals are coming in chiefly from one area. And then have a rotating array, with an antenna with a fairly good front-to-back ratio, to allow selection should there be several stations coming in on the same channel but in different directions.

So much for antennas. But when do TV signals come in?

Again there is much opinion in all of this. But the opinion of Denver listeners—and their logs—seem to show a definite pattern.

The writer's own log clearly gives the morning hours the nod during the summer season of '52, with a lot of signals coming in as early as 7 a.m.—with 10 a.m. being a particularly good time. Relatively few signals were logged at noon—but the afternoon hours showed more signals—and the early evening second only to the morning.

All of this boils down to the fact that there might be signals to be heard (or seen!) almost any time—so it would be nice to know when to listen.

As mentioned earlier, it seemed to the writer that monitoring the 10 meter phone band was an easy way to get a tip-off on good skip conditions. And the experience described previously was no fluke—not once in months of listening did TV DX come in at a time when there was no short skip on 10 meters. However—unfortunately—many times skip did come in on 10 when TV was dead to the world.

Even so, the cue, obviously, is to watch 10 meters. If that band is dead for short skip (reception under 1000 miles) go shoot pool, or mow the lawn, or something, for TV DX probably won't happen. But when the 10 meter band comes alive with short skip signals, get a can of beer and stay with the TV set because something is probably going to happen.

If you are an experimenter at heart you may want to test another theory—not the writer's this time, but that of one of the champion “DX-ers” among the several hundred in Denver who did a lot of listening—or watching:

Jim Livesay, WØTRP.

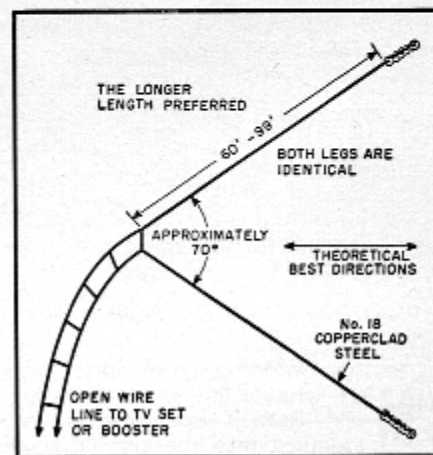
Jim, who is an engineer, and whose background includes several years as an officer in the Signal Corps, is now general engineer for the Colorado Central Power Company. In this capacity, part of his job is to keep an eye on the company's high frequency radio gear, operating on 47.94 megacycles, used to maintain communication with company trucks.

Jim noticed during 1950 that during the summer months quite frequently “skip” signals from other services would interfere with local communication. He reasoned that if 47 megacycles would come alive, so should Channel 2, and on the strength of that idea bought a TV set.

In '51 he received stations intermittently throughout most of the summer—and during December and early January of '52 had some excellent reception. His receiver is a 17” Admiral—with a good booster and a parasitic array, cut for Channel 3. The antenna, a yagi, is a bit unusual in that the tubing used is quite large in diameter, the



TV DX stations are not necessarily weak. Some pound through like locals. Here's proof. In the form of a picture of KPRC's (Houston) pattern as received in Denver.



Top view of WØLBV's TV DX antenna.

idea being to get as wide a band of response as possible, in order to cover the low frequency channels. (The limitations of any parasitic array in frequency coverage are one of the reasons the writer chose two types of driven arrays.)

Livesay's carefully-kept log shows one highly-interesting thing: in Denver, at least, almost invariably sporadic "E" skip during '52 came during times of high barometric pressure —and since the barometer would go up first, it served to give some warning that conditions were about to be favorable.

Never once, according to Jim, was skip received when barometric pressure was low. He doesn't regard his observations as at all conclusive—but perhaps other DX-ers will test it further.

Jim was one of the first DX-ers in the Denver area, and when his activities became known through a news story in the Denver Post, he became the unofficial "Paul Revere" of a network of listeners. When the 47.94 megacycle signals at the power company began to show signs of skip, he would give his attractive wife, Trudy, a ring—and she would watch for signals to appear. If they did, she would, in turn, call others in the "network" —and in a matter of minutes a lot of TV sets would be perking.

Getting the XYL—or "wife" to the uninitiated—into the act is pretty important, unless you are working on a job in which you can monitor signals during the day. For a lot of the best "openings" occur during the daytime, when the OM is off earning a living.

What is a typical "opening" like? Let's take a look at the log for June 18th.

At 9:00 a.m. Houston began to make an appearance—with diagonal bars appearing on the screen, which occasionally would break into a picture. After an hour or so the picture would stay in sync most of the time, and the sound came up to the understandable level.

At 12:45, Houston dropped out completely. But at 3:30 p.m., WSB in Atlanta appeared, with an excellent picture, which lasted for a couple of hours and got better and better. So it was expected that more signals would develop, and sure enough, at 5:30 KOTV on Channel 6 in Tulsa came in, followed by KEYL, San Antonio, and WAGA, Atlanta, fighting it out on Channel 5.

At 8:30 p.m. Atlanta was back on Channel 2, but there was some interference in the background. The interference finally grabbed the ball, and it was KTSL in Los Angeles. KTSL dropped down into the snow after a few minutes—but was still making diagonal bars on the screen at 10 p.m.

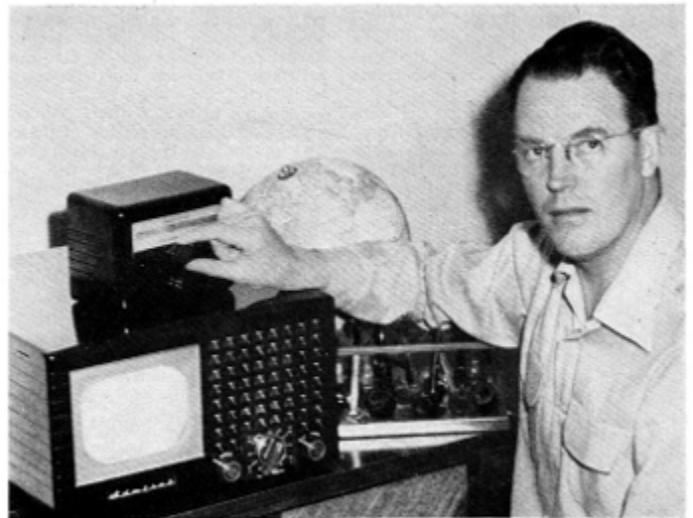
The next morning a new one, WDTV Pittsburgh, pounded in bright and early at 7:10 a.m. on Channel 3. An unidentified station was on Channel 4, and another on Channel 2. At 9:00 a.m. WJBK was identified on Channel 2, and at 10:00 a.m. WKZO Kalamazoo came in. During the next couple of hours several more stations were picked up but not identified—and not until KPRC reappeared on Channel 2 at 7:30 p.m. was it possible to get call letters. KPRC stayed on for a few minutes—then faded out—and the "opening" was over. Two days elapsed before another signal was picked up, when KNXT in Hollywood appeared at 11:35 a.m. with a good picture, but not one shred of sound, to be followed a couple of hours later by KRON on Channel 4 in San Francisco—and another "opening" was on.

The "openings" mostly follow a similar pattern—with the more distant stations being heard first and last— and closer stations in between. Likewise, most of the time signals appear first on Channel 2, then on the higher frequencies up to Channel 6 if conditions are ideal, then gradually work back to Channel 2. There are exceptions—but Channel 2 is the channel to watch the most.

But what if you have a local station on Channel 2? Then Channel 4 is probably your other best bet—because there is pretty apt to be interference on Channel 3 from the local. If both Channel 2 and 4 are occupied, better find some other indoor sport except when the locals are off the air.

If there are no interfering signals —or if you are one of the many people in areas with one or no stations—then TV DX-ing is a lot of fun. And it is about to open up again—for the records show that December is the next best month to June for TV DX-ing. After mid-December you should receive it quite frequently. It will drop out in January—but you will have had a crack at it.

With this simple receiving gear—a three-year-old 7" TV set and "bargain" booster, plus a good antenna, author has picked up stations from Pittsburgh to the Pacific.



Actually, long distance TV reception has a lot of practical angles. It provides a way for the technician to get a crack at actual reception before a station opens up nearby. It will provide local publicity.

But most important, in the writer's opinion, is that it gives the old hand at radio an intriguing new experience. The writer—who was winding coils at 14 years, and trying to coax in the London BBC station on a one tube UX-199 short-wave set—has worked the world with a 10 meter phone rig. But no thrill in radio ever quite came up to that of seeing the snow fall away and the first long distance TV station come threading in. There is something a bit magic about TV—which is above and beyond ordinary radio.

And —there is something else.

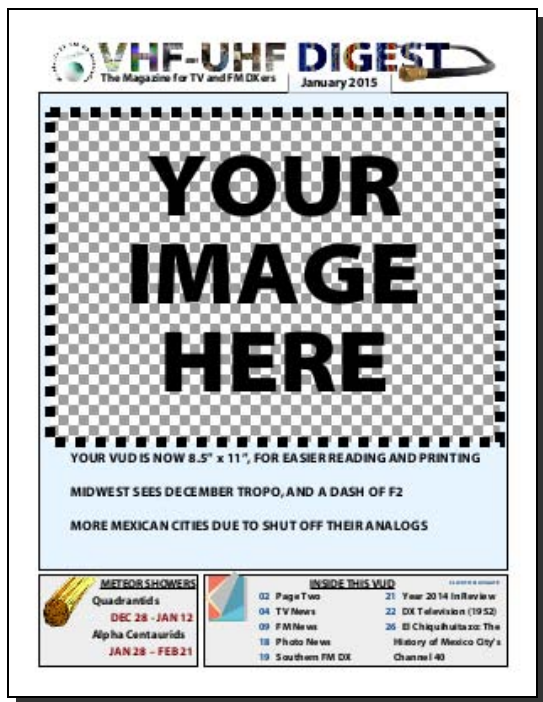
Ten years of salesmanship hadn't convinced the YF that ham radio had much to offer. But something about scooping the neighbors with TV seems to intrigue the lady of the house —or at any rate, intrigued one lady—who actually logged most of the reception at the Johnsons.

In fact, she was a little sad, as was the writer, the night recently when KFEL-TV Channel 2 broke the silence in Denver and came on the air—in the process killing off the best TV DX band.

But the other night a husky signal began interfering with KFEL's signal —not too strong, because of a temporary set-up.

The best guess was that it was Los Angeles. And a quick trip to Channel 4 revealed San Francisco coming through—the picture weak, full of snow, dropping in and out of vertical sync. But DX!

Everything seemed right again. December, here we come!



We need pictures for the VUD covers!

We're always trying to mix it up when we choose photos for the front of the *VHF-UHF Digest*. If you'd like your photo to be considered we invite you to post it on the WTFDA Forums, look for "VUD Cover Photos" under Members Only General Chat. [Here's a link to it](#) (you'll need to be logged in).

Some ideas:

- Screenshots or RDS readouts of your catches
- Your equipment or antennas
- DX related vacation photos

Please only post photos you've taken or have permission to use, and describe what we're seeing.

Don't worry if you don't see it used for a while, we may come back to it during a slow part of the year.

Thanks!

El Chiquihuitazo: The History of Mexico City's Channel 40

By Raymie, [posted on the WTFDA Forums](#) on 12/27/2014

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On June 19, 1995, Mexico City received its first new commercial television station in 27 years when XHTVM-40 signed on the air. XHTVM was 95% owned by Javier Moreno Valle through the concessionaire Televisora del Valle de México, S.A. de C.V., and soon after its launch, it unveiled its primary format: news! Branded as CNI (Corporación de Noticias e Información), channel 40 aimed to offer the DF viewer a more comprehensive news service. It launched its full studios from the 40th and 41st floors of the World Trade Center Mexico City in 1996 and immediately began to offer what was then the only non-Televisa/Azteca commercial service in Mexico City (XHRAE-28 now XHTRES, itself plagued by decades of wrangling, did not make it to air until the late 1990s). CNI had affiliations with such international outlets as Telenoticias and CNN en Español.



However, that was not enough to sustain a TV station. In need of capital, and hurt by advertiser boycotts related to one of its news stories, CNI turned to Televisión Azteca, and in 1998 signed a sweeping contract whereby Azteca took control of most of channel 40's broadcast day and CNI was loaned \$40 million. CNI would remain on the air with its own newscasts, but outside of its small broadcast window, the station was "Azteca 40".

But nearly two years later, alleging that Azteca had not fulfilled the terms of its contract, Moreno Valle broke it live on air. Moreno Valle believed that Azteca was trying to run channel 40 into the ground in an effort to take it over outright and ruin CNI. And so, CNI took control of channel 40 again, but in doing so, it generated a massive legal storm. Azteca and CNI locked horns in the Mexican legal system and even at the International Court of Arbitration. Azteca wanted CNI declared in bankruptcy, claiming it still owed \$15 million. Program providers also wanted their money back, including Channel Four and Deutsche Welle.

Amidst this backdrop, in the early morning hours of December 27, 2002, one of the landmark events in Mexican television history occurred. A group of armed guards wearing ski masks showed up on Cerro del Chiquihuite, where XHTVM's (and Azteca's) transmitter was located. They made the workers inside the XHTVM transmitter building sign a document and then forced them out. At 6am, XHTVM became a relay of Azteca 13.

That morning, all chaos broke loose at the World Trade Center studios. Engineers were amazed as they watched their broadcast signal. The phone lines were overwhelmed. A producer ran around with press releases, screaming "This is like September 11!" By 6:30, its DirecTV feed (which was obtained via direct line from CNI and not from the over the air signal) began to display a message about the mess; at least CNI had somewhere to broadcast its programs, but that was not the most pressing matter facing channel 40.

For several days, XHTVM continued to run parallel to Azteca 13, but by the 30th, it had its own program feed sent from Azteca instead. Azteca even scheduled one newscast to air on the station, and completely oblivious to what was going on, a Mexican federal institute actually placed advertising on it. As CNI could do nothing, they lobbied the government, but given the timing around Christmas, government reaction was notoriously slow, and neither side received any reaction. It took until January 6, and a tour of the remodeled press room at Los Pinos (Mexico's presidential residence), to get a reaction. A CNI associate news director approached President Vicente Fox and asked him to take a stand. He refused, and other reporters continued to press him on the topic. His final response, "¿Y yo por qué?" (And why me?), was one of the greatest blunders of his presidency. Public reaction was highly negative; the events of the 27th became known as the "chiquihuitazo" after the mountain. [There was even a SONG composed about the whole affair.](#)

That same night, things began happening. The SCT ordered both sides to the negotiating table, saying that they would seize channel 40 if no settlement was reached. The negotiating began: Ricardo Salinas Pliego, Moreno Valle and various government ministers met at Cerro del Chiquihuite, while channel 40 began showing its viewers color bars. Three nights later, after no settlement was reached, the government seized the XHTVM transmitter site for a time. Congress's call for CNI to be restored as operator of channel 40 ended the dispute for the time being, and one month after the raid, on January 27, CNI returned to the air.

In 2005, CNI effectively was ended after a labor strike due to continuing financial woes. Azteca worked with the 5% owner of XHTVM to buy the station, aided by Moreno Valle's status as a fugitive in Mexico for tax evasion and a court ruling, and restored it as Proyecto 40 in early 2006. While the concessionaire is not Azteca proper, Azteca has used digital broadcasting to move XHTVM to its own facilities (it was even licensed a digital channel next to XHIMT-TDT 24 and XHDF-TDT 25, as XHTVM-TDT 26). The World Trade Center facilities now house Playboy Mexico, so while I think Azteca should really consider divesting channel 40, the CNI of old, the one lauded by PRD backers as "theirs", will never return (legal status murky + no studios + outdated transmitter facilities).



I know this one's long, but it's probably the longest history of any Mexican station (even if this one hasn't even hit 20 years on air), and it's really colorful. Today you can find "Proyecto 40" as a subchannel of most Azteca 13 stations.

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