

# VHF-UHF DIGEST

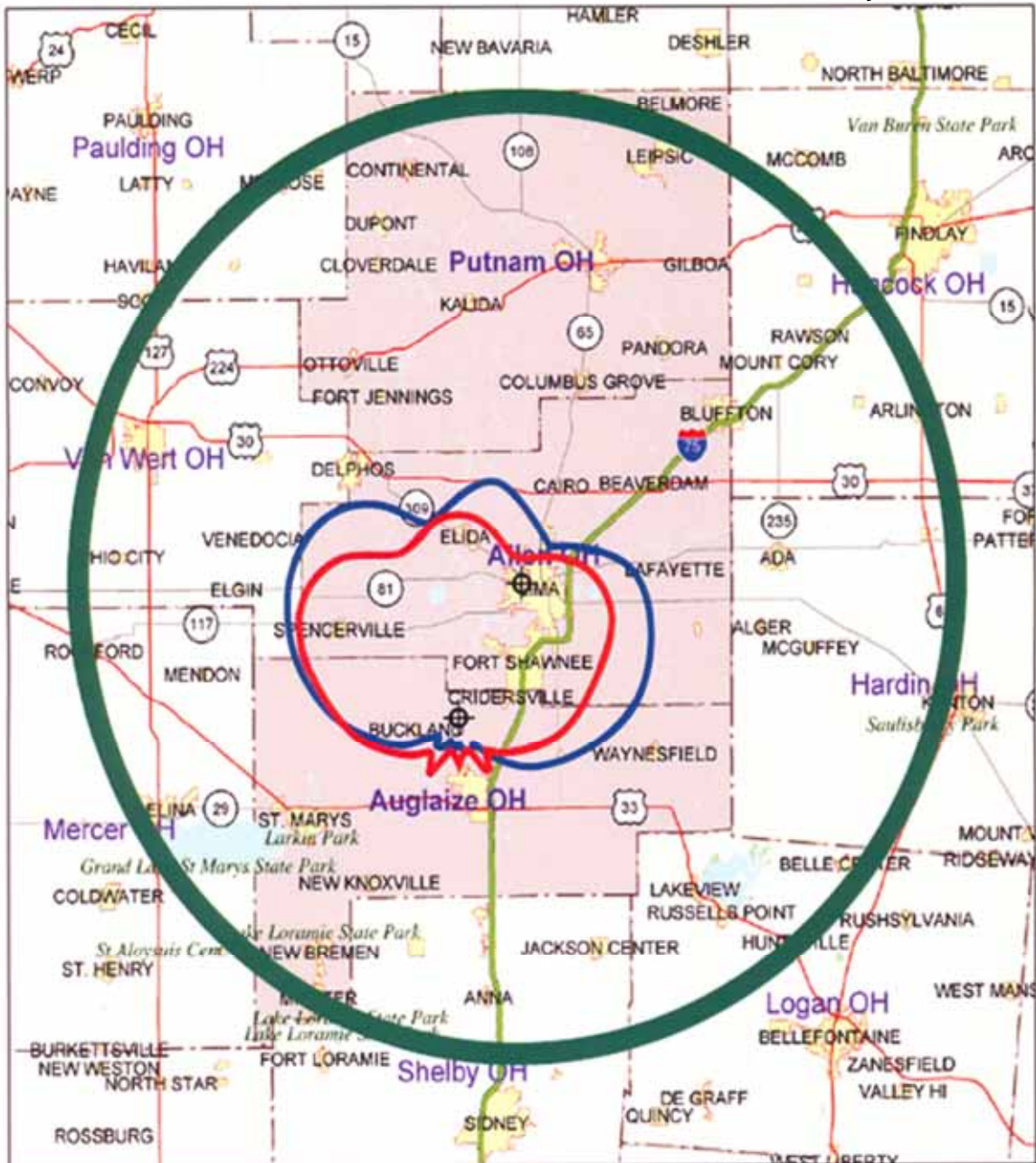
The Official Publication of the Worldwide TV-FM DX Association

OCTOBER 2009

The Magazine for TV and FM DXers



Courtesy of Fred Vobbe



Convention 2009 is History  
Convention 2010 Returns to Rochester NY  
August 27, 28 and 29

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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, BRUCE HALL, KEITH MCGINNIS AND MIKE BUGAJ.



Editor and publisher: **Mike Bugaj**

Treasurer: **Keith McGinnis** wtfda.org Webmaster: **Tim McVey**

wtfda.info Site Administrator: **Chris Cervantez**

Editorial Staff: **Jeff Kruszka, Keith McGinnis,**

**Fred Nordquist, Nick Langan, Doug Smith,**

**Peter Baskind, Bill Hale and John Zondlo,**

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OCTOBER 2009



Finally! For those of you online with an email address, we now offer a quick, convenient and secure way to join or renew your membership in the WTFDA from our page at:

<http://www.wtfda.org/join.html>

You can now renew either paper VUD membership or your online eVUD membership at one convenient stop. Use the link above to either join the WTFDA or renew your membership in North America's only TV and DX organization.

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Lots of good reading this month! FM North (and hopefully FM South) return next month

### FIND US FAST!

#### WTFDA BOARD OF DIRECTORS

Mike Bugaj, use the WTFDA Mailing address listed below  
Doug Smith, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098  
Greg Coniglio, 11825 Genesee St., Alden, NY 14004  
D.Bruce Hall, 5 Stirton Ave., Brantford, ON N3T1E2 Canada  
Keith McGinnis, 18 Newbridge St., Hingham, MA 02043

mikeb@wtfda.org  
dougs@wtfda.org  
[gregc@wtfda.org](mailto:gregc@wtfda.org)  
dbruce@wtfda.org  
[nfmdx@wtfda.org](mailto:nfmdx@wtfda.org)

\*\*\*\*\*

#### THE MAILBOX and all general club correspondence:

Mike Bugaj at WTFDA, PO Box 501, Somersville, CT 06072

mikeb@wtfda.org

#### TV NEWS

Doug Smith, 1389 Old Clarksville Pike, Pleasant View, TN 37146-8098

dougs@wtfda.org

#### FM NEWS

Bill Hale, 6124 Roaring Springs Drive, N. Richland Hills, TX 76180

fmnews@wtfda.org

#### PHOTO NEWS

Jeff Kruszka, 1909 Lost Lake Pl., Pearland, TX 77581

jeffk@wtfda.org

#### EASTERN AND WESTERN TV DX

Nick Langan, 1040 Riverview Dr., Florence, NJ 08516

nickl@wtfda.org

#### SOUTHERN FM

John Zondlo, 4009 Driftwood Cir., Yukon, OK 73099

southernfmdx@wtfda.org

#### NORTHERN FM

Keith McGinnis, 18 Newbridge St., Hingham, MA 02043

nfmdx@wtfda.org

#### TV and FM STATISTICS

Fred Nordquist, 147 Travis Hill Road, Moncks Corner, SC

stats@wtfda.org

#### 6 METER/2 METER

Peter Baskind, 3225 Forest Hill-Irene Rd, Germantown, TN 38138

ag4ki@yahoo.net

**WEBSITE** Tim McVey Webmaster <http://www.wtfda.org>

webmaster@wtfda.org



# The Mailbox

P.O. Box 501, Somersville, CT USA 06072  
MIKE BUGAJ MBUGAJ@SNET.NET

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## CONVENTION 2009

Convention 2009 is now history. There were a total of 39 attendees at the convention in Allentown over the Labor Day weekend. WTFDA members in attendance were Brian May, Scott Fybush, Russ Edmunds, Harry Hayes, Paul Swearingen, John Cereghin, Robert Seaman, John Adams, George Greene, Bob Smolarek (your host), Frank Merrill, Tom Yingling, Rick Shaftan and Jerry Bond. That makes a total of 14 WTFDAers. Most of them are NRC members anyway, but that's besides the point. Hope you all had a great time there. I thought of you as I was eating my prime rib at the wedding and listening to some guy sing a medley of Italian Wedding favorites.

Bob must have done a really great job putting the convention together as I was just notified this afternoon that the convention had actually made a modest **profit!** That means that both clubs will be splitting the proceeds instead of writing a check this time.

So next year the convention is back in Rochester NY with Scott as your host. The date will be the weekend *before* the Labor Day weekend.

## MEMBERS AND STUFF

We have no new members this month but we do have some renewals. Renewals were received during the period of 8/21 through 9/10 from **Glenn Boche** (MN), **William Eckberg** (IL), **Melvin Dishong** (GA), **Mark Colombo** (VA), **Carl Vollmer** (IL), **Jeff Lehmann** (MA), **Lee Freshwater** (FL), **John Lentz** (WI), **Karl Zuk** (NY), **Bob Smolarek** (NJ), **Roosevelt Crawford** (KS), **Glenn Hauser** (OK), **Richard Gray** (LA) and **Bill Smith** (MA). Thank you all for supporting the WTFDA.

**Calvin Glover** writes from the outer banks: "Are you getting any reports of poor (or non-existent) digital reception on VHF? I'm coming to believe that the FCC power assignments for VHF digital are too meager to allow the stations to cover their analog footprints. Apparently the problem is due to electrical noise, which saps the 8VSB signal in the VHF range.

I'm thinking that maybe that all TV broadcasting should move to UHF. The VHF situation is too problematical. If the VHF stations upped their power enough to beat the electrical noise problem, they would probably

end up with co-channel interference problems. What's more, the receiving antenna situation would become a whole lot simpler in a UHF-only world. I just don't know if there are enough available UHF slots to do the trick.

Down here on the Outer Banks, I have basically given up on seeing WVEC-13 in Norfolk/Suffolk, some 70 miles away. They are up to 35 kW, and that's not doing the trick. Their digital signal comes in only some of the time. Their analog signal was so strong that the folding dipole antenna of a battery-powered set could pick it up. Norfolk's WHRE-7 has never shown up here. WSKY-4 on the VA/NC border (around 50 miles away) is a jumble of confetti most of the time.

On the plus side, WHRO-15 got it just right. Their 1000 kW digital signal, coming out of the same tower farm as WVEC and the rest of the Norfolk area stations, makes it down here almost all the time. And their analog signal was always very weak.

I think that the real big down side of the digital transition is the loss of service to portable sets. 8-VSB doesn't seem to do a good job of illuminating the rabbit ears and pull-up antennas on little sets--even if they were out there. Add in motion, and there's no reception possibility. The portable/mobile "fixes" that are being proposed (MPH/MH/E-8VSB) will require some serious diddling with the digital signal and probably some reduction in the number of sub-channels. I'm not sure that broadcasters will be crazy about that."

**Richard Gray** in LA writes: "I was looking on the website a bit ago and ran across the Finco 400-SA literature. When I was a young boy (1950's) my mother took me and my brother to a demonstration in a local park sponsored by Finco to show off the capabilities of their antennas. They called their monster "the bedspring". I remember my mouth hanging open at the reception this thing could provide. It was mounted on a large truck that they used for their demonstrations along with a number of other antennas they could crank up on some form of tower. This was advertised on the local tv station at the time. I don't remember a large crowd but I guess that started the DX bug in me long ago!

After seeing this ad, I have to ask, has anyone else seen this demo and more curious, does anyone that you know of have any engineering literature on the 400-SA. I have

been making a number of antennas to compare to my CM4251 and have limited access to a metal shop. With drawings I think building one would be possible. Even though low band TV is no more in the United States, I routinely get Mexico now that the interference is greatly reduced.

I have to wonder how the 400-SA compares to the Wade VIP-307. Winter is coming and, even though usually mild compared to where you are, it keeps me indoors a great deal more than our Summers.

If information is available, building one of these would probably be a challenge but fun to try.

(the Finco 400-SA was an updated model of this.)

Don Voegele sent in this article about station CHEK in B.C., which was about to vanish from the airwaves but was saved at the last second:

THE CANADIAN PRESS  
 WINNIPEG — Canwest Global  
 Communications Corp. says a group of private

investors has bought the Victoria-based local TV station it was planning to shut down.

The Winnipeg-based company said Friday that the investors group paid a “nominal purchase price” for CHEK-TV, one of British Columbia’s oldest television stations, but wouldn’t disclose the exact price tag.

The Globe and Mail is reporting the purchase price is \$2.

In June, Canwest agreed to sell two of its local TV stations — CHCH-TV in Hamilton and CJNT-TV in Montreal — to specialty television company Channel Zero for \$12.

Canwest had planned to close the Victoria-based station last Monday, saying that is has been a money-loser since it purchased it in 2000. However, the company extended programming this week as it worked out the deal.

CHEK employs 45 staff members in Victoria and Vancouver Island.

“Many dedicated individuals on both sides of the table came together and the result is that it has preserved jobs and service in the community,” said Canwest president and CEO Leonard Asper said in a statement.

“One week ago, we thought that this station was going to close and today we have a result that is beneficial for all parties.”

Richard Konwick, the assignment editor in the CHEK newsroom and president of the Communications, Energy & Paperworkers Union of Canada Local 815M, said the deal came after “intense” negotiations with Canwest.

He said the existing management will stay and a new board of directors will be named.

And while it will be “business as usual” at first, Konwick said the operation will be different as it changes to a more intimate community-based business.

“It’s one of the most exciting things to happen in broadcasting,” said Konwick.

He said the advantage to the deal is not only that the channel will continue operating, but that management and employees will have a greater degree of control.

He said the channel has already made one change, by moving its newscast to 10 p.m. earlier this week, and will possibly look at other changes as the ownership structure changes.

“We aren’t going to make any rash decisions,” he said.

When asked what the top story would be on the newscast Friday, Konwick replied; “The top story is that CHEK-TV is saved.”

Canwest said it will stay on board to help the new owners smoothly transition the station, and provide leased space at the facilities for “favourable rates.”

The company is grappling with a \$4-billion debt load and negotiating with creditors to recapitalize the company.

And that’s it for October! CU next month!



# 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>

October 2009

## Abbreviations:

AF	Applied For (a new station)	NW	New station on the air
Aux	Auxiliary (backup) transmitter	PA	Proposed Amendment
CC	Callsign change	PC	Power (and/or tower height) change on the air
CL	City-of-license change	PG	Power change granted
DC	Converted to DTV	PR	Power change requested
DCC	Digital Companion Channel	RA	Returns to the air
NS DCC	Granted flash-cut to DTV	QC	Channel (frequency) change on the air
DE	License/permit deleted	QG	Channel change granted
DR	Requests flash-cut to DTV	QR	Channel change requested
FC	Programming (format) change	RE	Reinstated (previously-dismissed app.)
FTP	Failure to Prosecute	ROA	Request of Applicant
GA	Granted amendment (to table of channel allotments)	SI	Off the air (silent)
LC	License to Cover	STA	Special Temporary Authority
MX	Mutually Exclusive	XC	Transmitter site changed
NDA	Non-directional antenna	XG	Transmitter site change granted
NS	Permit granted for new station	XR	Transmitter site change requested

## 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)

\* indicates this DTV facility replaces an analog facility on the same channel.



Mexico:  
 Distrito Federal:  
 Mexico

46 NEW

AF dismissed but invited to refile (DF govt.)



American Samoa:

Pago Pago 11 K11UU-D DR 300w



Puerto Rico:

Arecibo 20 WIMN-CD PR>3.1kw  
 Bayamon 4 W44CK-D QR from ch. 44, 300w, 18-16-48/65-51-13  
 Guayama 23 WXWZ-LD PR>15kw  
 Mayaguez 21 W21CX-D DG from W34CI, 1.81kw  
 Mayaguez 51 W51DJ-D DC 1kw  
 Mayaguez - Anasco 45 WTPM-LD DC 1kw  
 Ponce 30 WQOZ-CD DR from ch. 33, 2.5kw  
 Quebradillas 48 WQSJ-CD PR<2.1kw  
 San Juan 20 WSJN-CD DC from ch. 15, 1.5kw,

San Juan 38 WWXY-LD DR 2.91kw  
 18-17-38/  
 66-10-01



U.S. Virgin Islands:

St. Thomas 29 W29CB-D DR 10.26kw



USA:

Alabama:

Demopolis 25 WJMY-CD DR 15kw, 33-03-15/87-32-57 (apparently replaces DTV Companion Channel on 22?)

Dothan 36 WTVY NW 1000kw/564m

Greensboro 3 WDVZ-CD DR 300w

Opelika 30 WLGA PA from 47, 800kw/532m

Tuscaloosa 23 WVUA-CD DR from ch. 7, 15kw, 33-03-15/87-32-57

Tuscaloosa 33 WCFT-TV PG>300kw/659m

Alaska:

Anchorage 17 KYES - 0831AEG AF DRT 250w, 61-11-15/149-55-22

Anchorage 43 K43KP-D PR<1.78kw, 61-09-42/149-51-09

Fairbanks 24 K54EW QR from ch. 54, 30kw

Homer 9 K09XO-D DR 300w

Kenai 6 K06MF-D DR 300w, 60-22-42/

		151-11-38	
Nome	16 K11TH-D	DR from ch. 11, 250w ("displacement" in Nome?)	
Palmer	4 KYES - 0831AEE	AF DRT 300w, 61-43-34/149-25-46	
Palmer	26 K12OW	QR from ch. 12, 100w	
<b>Arizona:</b>			
Big Sandy Valley	27 K27DA-D	DR 1w	
Bullhead City	2, K02HR-D, 4, K04GT-D, 7, 9, K07YJ-D, 11, K09KG-D, 12 K11LX-D, K12OF-D	DR 2w/2w/1w/2w/100w/1w	
Bullhead City	16 K16EV-D	DR 6w	
Chinle	8 K08HQ-D	DR 47w	
Chloride	30, K30GG-, 32, K32DW-, 42, K42CQ-D, 49 K49EU-D	DR 1w	
Colorado C.	27 K27EJ-D	DR 5w	
Cottonwood	44 K44CN-D	DR 15kw	
Dolan Springs	35, K35EI-D, 41, K41BZ-D, 43 K43GU-D	DR 8w/2w/11w	
<b>Flagstaff</b>	<b>13 KFPH-DT</b>	<b>PG&lt;33kw/476m, 34-58-06/111-30-34; PC</b>	
<b>Flagstaff</b>	<b>22 KNAZ-TV</b>	<b>GA from ch. 2, 283kw/465m (to leave interim DTV facility on the air)</b>	
Flagstaff	24 K52CM-D	DR from ch. 52, 824w	
Ganado	9 K09XH-D	DR 27w	
Globe	50 KFPB-LD	DG 4.5kw, 33-19-57/112-03-57	
Globe & Miami	14 K57BO-D	DR 490w, 33-20-24/110-52-12	
Golden Valley	21, K21EG-D, 46 K46CG-D	DR 4w	
Kingman	30 K57FY-D	DR from ch. 57, 2kw	
Kingman	23, K23FV-D, 31, K31BI-D, 34, K34EF-D, 44, K44DK-D, 48, K48AY-D, 49, K49GE-D, 50, K50CY-D,	DR 2w/13w/3w/4w/7w/3w/8w/	
Klagetoh	43 K43GQ-D	DR 205w	
Lake Havasu City	38, K38IR-D, 39, K39FV-D, 43, K43GJ-D, 29, K29FD-D, 21, K21EA-D, 31, K31GZ-D, 46 K46GI-D	DR 14w/14w/13w/14w/14w/13w/13w	
Littlefield	31 K31EA-D	DR 16w	
Many Farms	49 K49ET-D	DR 1kw	
Meadview	23, K23DK-D, 25, K25DH-, 36, K36FZ-D, 38, K38GR-D, 47 K47HE-D	DR 6w (11w on ch. 47)	
Moccasin	35 K35EE-D	DR 15w	
Peach Springs	26, K26GF-D, 42 K42CP-D	DR 1w	
<b>Phoenix</b>	<b>17 KPHO-DT</b>	<b>PG&gt;531m</b>	
<b>Phoenix</b>	<b>26 KUTP</b>	<b>NW 324kw/501m, 33-20-03/112-03-43 (aux)</b>	
Phoenix	36 KAZT-CD	DG from ch. 27, 15kw	

Phoenix	40 KEJR-LD	PC<14kw, 33-20-00/112-03-48
Phoenix	41 KPFD-CD	DR 5kw
<i>Phoenix</i>	43 KEJR-LP	PC<250w, 33-20-00/112-03-48
Prescott	47 K47DJ-D	DR 7.5kw
<b>Tolleson</b>	<b>51 KPPX-DT</b>	<b>PG&gt;1000kw/536m</b>
Topock	21, K21FU-D, 42 K42EU-D	DR 6w/5w
<b>California:</b>		
Bakersfield	12 KJOI-LD	DR 300w
Bakersfield	29 KBFX-CD	DG from ch. 27, 15kw
Bakersfield	34 KCBT-LD	DR 15kw
Bakersfield	43 KPMC-LD	DR 15kw
Banning	5 KRVD-LD	DR from ch. 33, 300w
<i>Banning</i>	6 KRPE-LP	QC from ch. 55, 999w, 33-49-49/116-57-11
<i>Cal-Oregon</i>	42 KQSX-LP	PC<300w, 41-17-34/122-18-18
Crescent C.	44 K44JF-D	PG>15kw
Esparto	4 K04QR-D	PG>300w, 38-38-53/121-05-51
Fresno	16 KHSC-LD	DR 15kw
Fresno	31 KBID-LD	DR 1.7kw
Fresno	32 KJEO-LD	DC 15kw
<i>Hoopa</i>	12 K12QN	QG from K11NE, 9w
Hopland	35 K35DO-D	DR 15kw, 39-07-00/123-05-34
Los Angeles	25 KNET-CD	DR 12.38kw (apparently replaces DTV Companion Channel on 22)
Los Angeles	27 KHTV-LD	DR from ch. 48, 8.1kw, 34-12-48/118-03-41
<b>Los Angeles</b>	<b>41 KLCS-DT</b>	<b>PG&gt;1000kw</b>
Needles	17, K17BN-D, 31 K31HY-D	DR 9w/6w
Oroville	42 K42HL-D	DG 2.9kw
<i>Petaluma</i>	2 KQRM-LP	QG from ch. 40, 3kw, 37-55-45/122-35-09; CL from Santa Rosa
Petaluma	3 K03HY-D	QG from K14MW-D, 300w, 37-55-45/122-35-09
Petaluma	4 KTVJ-LD	DG from ch. 36, 300w, 37-55-45/122-35-09; CL from Santa Rosa
Redding	8 KVFR-LD	DC 300w
Redding	32 K33HH-D	DR from ch. 33, 9.4kw
Redding	34 KRCR - 0824ABS	AF DRT 15kw
Redding	41 NEW-LD	AF dismissed (One Ministries)
Redlands	66 KLAU-LD	DC 500w, 34-10-32/117-34-26
Reedley	13 KCWB-LD	DR 300w
Sacramento	20 K20JX-D	DG from K27EU, 4.7kw
<b>Sacramento</b>	<b>21 KMAX-TV</b>	<b>NS 388.6kw/435m, 38-14-50/121-30-03 (aux)</b>
Sacramento	31 KMUM-CD	DG 15kw
<b>Sacramento</b>	<b>35 KCRA-TV</b>	<b>PC&gt;579m, 38-15-54/121-29-24</b>
<b>Salinas</b>	<b>8 KSBW</b>	<b>QC from 10, 20.6kw/760m</b>
<b>San Francisco</b>	<b>7 KGO-TV</b>	<b>QC from 24, 23.8kw/519m; NW 72kw/286m (aux)</b>

<b>San Francisco</b>	<b>30 KQED</b>	<b>NW 500kw/ 357m (aux)</b>
San Jose	35 KGO - 0824AIJ	AF DRT 2.26kw, 37- 29-17/ 121-51-59
Santa Barbara	50 KBAB-LD	PR<13.5kw, 34-31-32/ 119-57-28
Santa Clara	42 KAXT-LD	DC from ch. 22, 12.2kw, 37-29-57/ 121-52-16
<i>Santa Maria</i>	7 K07TA	PC>3kw, 34-54-37/ 120-11-09
Santa Maria	8 KKDJ-LD	DR 300w
Santa Maria	20 KWSM-LD	DR from ch. 40, 15kw
<b>Stockton</b>	<b>25 KOVR</b>	<b>NS 388.6kw/ 435m, 38-14-50/ 121-30-03 (aux)</b>
Yreka	49 K49IG-D	DR 2.36kw
<b>Colorado:</b>		
Anton	48 K49EX-D	DR from ch. 49, 435w
Anton	50 K51HS-D	QR from ch. 51
Ashcroft	16 K16FS-D	XR 39-18-37/ 106-56-53
Basalt	17 K17JA-D	PG>75w, 39-21-10/ 107-05-33
Basalt	34 K34KM-D	DG from K09AG, 75w
Bayfield	46 K46FM-D	DR 430w
Breckenridge	10 K10PM-D	DR
<b>Colorado Springs</b>	<b>49 KKTV</b>	<b>QR from 10, 550kw/724m</b>
Cortez	50 K50IV-D	DR 600w
Crystal	41 K41LA-D	QG from K56AD, 640w
Denver	16 KHDT-LD	PG>15kw
Denver	50 KDEO-LD	PG>15kw
Durango	9 K09YK	PG<35w, 37-21-46/ 107-47-40
Durango	16 K16GZ-D	PG>750w, 37-15-45/ 107-53-53
Durango	25 K25GE-D	DR 230w
Durango	38 K38JD	PG>1.25kw, 37-15-45/ 107-53-53
Fort Collins	47 KRMA - 0824ACJ	NW 10kw, 40-32-47/ 105-11-53
Gunnison	2, 4, K02LY-D, 6, 7, K04DH- 9, K06HN-D, 11 K07BE-D K09TH-D, K11AT-D	DR 50/ 60/ 60/ 60/ 55/ 60w, 38-31-42/ 106-54-15
<i>Jacks Cabin</i>	14, K14NF, 18, K18IQ, 20 K20JW	QG from K65CR, K67CQ, K69BU, 480w, 38-42-47/ 106-48-34
Lamar	33, K53AA-D, 35, K55AK-D, 39, K57AG-D, 41 K59AH-D	DR from chs. 53/55/57/59, 250w
Las Animas	23, K63AF-D, 25, K65AJ-D, 27, K67AH-D, 29 K69AN-D	DR from chs. 63, 65, 67, 69, 250w
Parlin	27, K27KA-D, 29 K29IU-D	DG from K61DC, K63CX, 71/88w, 38- 30-27/ 106-40-46
Purgatory	9 K09YK-D	DR>200w; CL from Durango
Redstone	44 K44JQ-D	DG from K11VC, 12w
Romeo	19 K61AZ-D	DR from ch. 61 (or 49), 250w
Romeo	47 K47KC-D	DR 9kw
Snowmass	15 K43JI-D	DR from ch. 43, 75w, 39-21-10/ 107-05-33
Village		
Sweetwater	36 K36DB-D	DR 15kw

Creek		
Thomasville	8, K08OX-D, 12 K12QM-D	QG from K02QK, K20HR, 11w
Trinidad	34 K34GI-D	DR 5kw
Walsenburg	28 KSPK-LD	DR 15kw
Westcliffe	7, 9 K07BW- K09DY-D	DR 35w
Woody Creek	38, K38LD-D, 46, K46KI-D, 48 K48LO-D	DG from K13MT, K07RN, K11LW 45w, 39-18-37/ 106-56-53
<b>Connecticut:</b>		
Hartford	7 WHCT-LD	PG>300w
Hartford	19 WRDM-CD	DG from ch. 50, 15kw
<b>Hartford</b>	<b>31 WTIC-TV</b>	<b>NW 380kw/ 506m, 41-42-13/ 72-49-57</b>
<b>Waterbury</b>	<b>20 WTXS</b>	<b>NW 52kw/ 516m, 41-42-13/ 72-49-57</b>
<b>Delaware:</b>		
Georgetown	48 W48DP-D	XR 38-59-45/ 74-50-19
<i>Wilmington</i>	40 W40AZ	OFF
<b>District of Columbia:</b>		
Washington	32 WRZB-LD	PG>15kw
<b>Washington</b>	<b>35, WDCA, 36 WTTG</b>	<b>NS 164kw/ 175m (aux) (same both channels)</b>
Washington	43 WIAV-LD	QG from ch. 44, 10kw
<b>Florida:</b>		
<b>Fort Pierce</b>	<b>38 WTCE-TV</b>	<b>PC&gt;1000kw</b>
Key West	12 W12DI-D	PG>300w
Marathon	35 W63AL-D	DR from ch. 63, 15kw, 24-46-02/ 80-56-42; DG
<i>Miami</i>	6 WEYS-LP	QC from ch. 56, 3kw; reported with Almavision Spanish religion
Miami	9 WJAN-LD	PG>300w
<b>Miami</b>	<b>20 WLRN-TV</b>	<b>AF 198kw/ 260m (aux)</b>
Miami	25 WIMP-CD	DR dismissed
Miami	45 WGEN-LD	PG>15kw
<i>Miramar</i>	32 WDES-CA	QG from ch. 48
Ocala	24 WESH-D	AF DRT 7kw, 29-13- 46/ 82-09-09
Ocala	42 W29AB-D	DR 517w
Orange City	18 WESH-B	AF DRT 10kw, 28-56- 16/ 81-18-57
<i>Panama City</i>	59 W59ED	NS 150kw, 30-11-41/ 85-50-01 (Equity)
Pompano Beach	8 WDLP-LD	PG>300w
Sebring	23 W23CN-D	DC 5.55kw
<b>St. Petersburg</b>	<b>32 WTTA</b>	<b>PA from 38, 1000kw/438m</b>
Tampa	28 WTAM-LD	DG from ch. 30, 15kw
<b>Tampa</b>	<b>47 WFTT-DT</b>	<b>PG&gt;650kw/ 387m 27-50-50/ 82-15-50</b>
Vero Beach	10 WWCI-CD	DC 300w
<b>Georgia:</b>		
Atlanta	16 WYGA-LD	DC from ch. 55, 4kw, 33-44-41/ 84-21-36
Atlanta	29 WANN-LD	PG 14kw, 33-48-26/ 84-20-22

Atlanta	35	WDTA-LD	PG>15kw
Atlanta	40	WIRE-CD	DR 3kw; amendment from 15kw; DG
Augusta	49	WBPI-CD	DC 15kw
Columbus	21	WANX-LD	PR>15kw
Columbus	25	W61DU-D	DR from ch. 61, 3kw
Columbus	38	WANX-LP	QR from ch. 19, 150kw
Dalton	28	W28DG	NS 1.5kw, 34-47-21/84-57-35 (Daystar)
Dalton	47	WDGA-CA	DR from ch. 43, 15kw, 34-44-00/85-01-03
Dalton	49	WDNN-CD	DR 15kw
Dublin	35	W35BB	PG>134kw, 32-31-26/82-55-21
Gainesville	15	WGGD-LD	DR from ch. 23, 15kw, 34-07-47/83-55-56; CL from Cleveland
Tifton	20	W20CY	QG from W62DE, 170w, 31-26-34/83-30-27
<b>Hawaii:</b>			
Anahola	36	K63AZ-D	PR>194w
Hakalau	50	K67BA-D	PR>213w
Hanalei	29	K68BE-D	PR>378w
Kilauea	34	K62AQ-D	PR>177w
Kilauea Military Camp	41	K56BD-D	PR>2.1kw
Kula	17, 19	K17GR, K19FV	PR>50kw
Lihue	30	K67AV-D	PR>343w
Naalehu	31	K63BB-D	PR>330w
South Point	35	K69CF-D	PR>2.36kw
Waipake	21	K66AY-D	PR>360w
<b>Idaho:</b>			
Ashton	9	K09YN	QG from K13YF
Boise	9	KBCI	PA from 28, 25kw/862m
Boise	33, 41, 43, 49	KBSE-LD, KBTI-LD, KIWB-LD, KZAK-LD	DR 15kw
Cascade	17	KAID - 0902ACG	AF DRT 85w, 44-26-25/116-07-29 for Boise station
Coeur d'Alene	22	KXLY-R	AF DRT 15kw, 47-39-34/116-57-48
Coeur d'Alene	45	KCDT	PC>54.7kw
Garden Vly.	51	K51FL-D	DC 10w
Georgetown	15	K15GO-D	DG 61w
Georgetown	16	K16HQ-D	PR>225w, 42-23-22/111-23-05
Hagerman	29, 31	K29GV-D, K31IF-D	DG 466w
Lewiston	17	K15CH-D	QR from ch. 15, 1kw
Montpelier	14	K54DY-D	DR from ch. 54, 225w
Twin Falls	22	KIPT	PC>77.98kw
<b>Illinois:</b>			
Chicago	7	WCHU-LD	DR 4.75kw (GREATLY exceeds permissible power for ch. 7 LP-DTV and conflicts with WLS's identical application...)
Chicago	7	WLS - 0817ACC	AF DRT 4.75kw
Chicago	26	WBBM - 0818AAP	AF DRT 15kw, 41-52-44/87-38-10

Chicago	26	WCHU-LD	QR from ch. 44 to accomodate WLS
<b>Chicago</b>	<b>44</b>	<b>WLS-TV</b>	<b>GA from ch. 7, 473.3kw/515m</b>
Chicago	49	WOCH-CD	PG<8kw
Rock Island	47	WHBF - 0813ABR	NS DRT 2.3kw, 41-30-37/90-34-27
<b>Indiana:</b>			
Angola	12	WINM	PR>141m
Clarksville	15	WNDA-CD	DG from ch. 45, 15kw
Elkhart	28	WSJV	PR>311kw
Indianapolis	8	WIIH-LD	NW 300w, DCC for analog 17
Indianapolis	13	WTHR	QC from 46, 22kw/299m
Indianapolis	31	WKOQ-CD	XG 39-53-40/86-12-21
Indianapolis	34	WIPX-LD	DR 6.8kw, 39-53-20/86-12-07
Kokomo	50	WKGK-CD	PG<11kw, 40-26-58/86-04-57
South Bend	34	WMYS-LP	QG from ch. 69, 150kw
<b>Iowa:</b>			
Ames	50	WOI - 0813ABU	NS DRT 3.2kw, 41-35-15/93-37-43
Decorah	28	K28KK-D	DG from K14AF, 15kw
Keosauqua	24	K24IM-D	DG from K54AF, 15kw
Lansing	38	K38LE-D	DG from K41AD, 15kw
Rock Rapids	43	K43LX-D	DG from K25AA, 15kw
Sibley	26	K26JI-D	DG from K33AB, 14kw
Sioux City	30	KCAU - 0813ABP	NS DRT 2.7kw, 42-29-38/96-24-10; NW
<b>Kansas:</b>			
Derby	31	KDCU-DT	NW 1000kw/345m, 37-48-01/97-31-29 (Univision)
Hutchinson	12, 19	KWCH	See text below
Manhattan	36	K36IO-D	NW 1kw, 39-13-34/96-37-00
Pittsburg	49	KPJO-LP	PG<1.42kw
Topeka	12	KSQA	PR<20kw/285, 39-00-22/96-02-57
Topeka	27	KSNT	PG>77.9kw; PC
Wichita	12, 19	KSCW	See text below
Wichita	40	KFVT-LD	DR 15kw
<b>Kentucky:</b>			
Bowling Green	40, 47	WKUW-, WKUG-LD	QR from chs. 41/11, 2.4kw, 36-57-37/86-32-49; CL from Glasgow
Lebanon	6	W06AY-D	DC 300w
Lexington	36	WKYT-TV	PA from 13, 1000kw/299m
Scottsville	28	WPBM-LD	DR from ch. 31, 15kw
<b>Louisiana:</b>			
Alexandria	21	K02QB-D	DR from ch. 2, 15kw, 31-14-15/92-27-48
Baton Rouge	20	KZUP-CD	DG from ch. 19, 10kw
Baton Rouge	39	WBXH-CA	PG>150kw, 30-21-58/91-12-47
Baton Rouge	41	KBTR-CA	XG 30-25-56/91-11-07
Crowley	37	KAGN-LD	DR from ch. 31, 15kw



			(presumably not grantable!)
Houma	30 KFOL-CD	DG 15kw, 29-36-24/90-41-42	
Lafayette	40 KAJN-LD	DR 15kw	
<b>Lake Charles</b>	<b>7 KPLC</b>	<b>PG&gt;62kw</b>	
Lake Charles	14 KFAM-LD	DR 15kw, 30-13-16/93-18-40	
Lake Charles	44 K63HF-D	DR from ch. 63, 12kw	
Lake Charles	45 K45HY-D	DR 12kw	
Monroe	53 K53JU	NS 10kw, 32-30-21/92-08-54 (Equity)	
<b>New Orleans</b>	<b>11 WYES-TV</b>	<b>PC&gt;104kw</b>	
<b>New Orleans</b>	<b>15 WNOL-TV</b>	<b>NW 775kw/286m, 29-56-59/89-57-28</b>	
<b>New Orleans</b>	<b>26 WGNO</b>	<b>NW 1000kw/286m, 29-56-59/89-57-28</b>	
Shreveport	40 KADO-CD	DG 15kw	
<b>Maine:</b>			
<b>Bangor</b>	<b>2 WLBZ</b>	<b>QC from 25, 3kw/192m</b>	
Bangor	22 WFXV-LD	DG 15kw	
East Eddington	19 WMEB - 0824AIL	AF DRT 15kw, 44-45-45/68-33-58	
Waterville	41 WFYW-LD	DR 5.31kw	
<b>Maryland:</b>			
<b>Baltimore</b>	<b>13 WJZ-TV</b>	<b>NS 4.5kw (aux)</b>	
Crofton	45 W23DF-D	QR from ch. 23, 38-54-32/76-34-28; CL from Salisbury	
<b>Massachusetts:</b>			
Boston	24 WFXZ-CD	DR 5kw; amendment from 10kw; but dismissed	
Boston	38 WHDN-LD	QG from ch. 26, 15kw	
<b>Boston</b>	<b>42 WHDH-TV</b>	<b>GA from ch. 7, 948kw/288m (to leave interim DTV facility on the air)</b>	
Boston	46 WTMU-LD	DR from ch. 32, 11.2kw	
Worcester	29 WUNI	<b>NW 270kw/468m</b>	
<b>Michigan:</b>			
<b>Ann Arbor</b>	<b>50 WPXD-TV</b>	<b>QR from 33, 345kw/293m, 42-29-01/83-18-44 (WKBD-50/RF-14 tower) (supercedes permit for 31)</b>	
Calumet	5 WBKP-DT	<b>NW 6.4kw/301m, 47-02-11/88-41-43</b>	
Detroit	40 WLPC-LD	NS DCC 2.34kw for ch. 26 analog	
Grand Rapids	48 W48CL-D	DR 4.01kw; DG	
<b>Marquette</b>	<b>19 WZMQ</b>	<b>NW 41.6kw/248m</b>	
<b>Onondaga</b>	<b>10 WILX-TV</b>	<b>PG&gt;30kw</b>	
Traverse City	40 WWTV - 0824AEH	AF DRT 15kw, 44-45-37/85-40-58	
<b>Minnesota:</b>			
Bigfork	21, K67CA-D, 23 K69CR-D	QR from chs. 67, 69	
Deer River	59 K59BQ	OFF, shut down & will	

			not convert to digital
<b>Duluth</b>	<b>10 WDIO-DT</b>	<b>PG&gt;45kw</b>	
<b>Duluth</b>	<b>27 KCWV-DT</b>	<b>PR&lt;40kw/207, 46-47-07/92-07-15;</b>	
		<b>amendment from 550kw without change of site; PG</b>	
Fergus Falls	49 K49FA-D	DR 15kw	
Grand Marais	61, W61AF, 63 K63BI	OFF, shut down & will not convert to digital	
Grand Portage	55 K55BR	OFF, shut down & will not convert to digital	
Jackson	19 K19HZ-D	DG from K53HR 3.1kw; DC	
La Crescent	23 KQEG-CD	DR 15kw	
Max	36, K60BL-D, 38 K62BH-D	QR from chs. 60, 62	
<b>Minneapolis</b>	<b>29 WFTC</b>	<b>QC from 21, 760kw/371m</b>	
Minneapolis	50 KTCJ-LD	PG>15kw	
Northome	55, K55BY-D, 57 K57BK-D	DC 434w; QR to chs. 16, 18	
Olivia	18, K18IR-D, 38 K38LC-D	QG from K53AO, K55CK, 1kw	
Red Lake	41, K59FR-D, 43, K61CM-, 45, K63CI-D, 47, K65BN-D, 49, K67BM-, 51 K69BT-D	QR from chs. 59, 61, 63, 65, 67, 69, 476w (ch. 41, 43, 45)/469w (ch. 47, 49, 51)	
St. James	26 K26CS-D	DC 44-06-25/94-35-44	
St. James	29 K29IE-D	DC 3kw	
St. James	30 K30FN-D	DC 2kw; PR>3.2kw	
St. Paul	16 K16HY-D	QG from K19ER, 15kw	
<b>Mississippi:</b>			
<b>Biloxi</b>	<b>39 WLOX</b>	<b>GA from 13, 715kw/366m</b>	
Bruce	7 W07BN-D	DG 3kw (shouldn't a VHF LP digital be limited to 300 watts?)	
Calhoun City	34 W34BJ-D	DG 3kw	
Hattiesburg	25 W47BP-D	DR from ch. 47, 15kw	
Hattiesburg	42 W42CW	PR>150kw	
Jackson	6 WJMF-LP	QG from ch. 19, 2kw, 32-14-26/90-24-15	
<b>Jackson</b>	<b>30 WLBT-TV</b>	<b>PA from ch. 7, 535kw/624m</b>	
<b>Jackson</b>	<b>51 WWJX</b>	<b>NW 20kw/150m, 32-03-13/90-20-23 (religious)</b>	
<b>Laurel</b>	<b>7 WDAM-TV</b>	<b>PA from 28, 75kw/155m</b>	
Natchez	6 W30CC	QR from ch. 30, 3kw	
Tupelo	40 W40BZ	PR>75kw, 34-16-29/88-37-34	
Vicksburg	26 W26BB-D	DR 2.54kw; DG	
<b>Missouri:</b>			
Columbia	34 K34JU-D	DR 15kw, 38-53-16/92-15-48; DG	
Jefferson City	28 KLMC-LP	PR>150kw, 38-46-29/92-23-22	
Jefferson City	44 KLMC-LD	PR>200w	
<b>Kansas City</b>	<b>18 KCPT</b>	<b>PC&gt;1000kw</b>	
<b>St. Joseph</b>	<b>7 KQTV</b>	<b>PG&gt;72kw, DA</b>	
<b>Montana:</b>			
Billings	14 K14IS-D	PR>10.5kw	
Billings	23 K23HI	PR>150kw, 45-43-44/108-23-44	
Billings (sic)	48 K48IQ-D	DR 2kw	
Bitterroot Range	11 K11IL-D	DG 4w; DG	

Boulder	8	K08KT-D	DG 19w; DC
Boulder	13	K13KP-D	DC 19w, 46-15-21/ 112-08-53
Boulder	27	K27CD-D	DC 372w
Boulder	36	K36CX-D	DC 182w
Bozeman	40	KJCX-LD	DR 400w
Castle Rock	29	K64EM	QC from ch. 64
Castle Rock	45	K45KO-D	PR<9.4kw
Columbus	24	K24FL-D	PG<3.2kw; DC
Deer Lodge	33	KTVM-	AF DRT 5kw, 46-06-05/ 112-56-58
Hot Springs	5	K05AH-D	DG 5w, 47-37-57/ 114-39-48; DC
Hot Springs	45	K45DO-D	DG 3w; DC
Kalispell	35	KEXI-LP	FC; sold to KUFM-TV
Livingston	39	K39JX-D	NW 550w, 45-35-52/ 110-32-45
Plains	21	K21CA-D	DR 1.09kw
Plains	31	NEW-LD	AF 180w, 47-22-20/ 114-51-29
Sula	5	NEW-LD	AF 6w, 45-49-18/ 113-59-38
<b>Nebraska:</b>			
Kearney	13	KHGI-TV	PG>19.8kw
Lincoln	31	KLKN - 0813ABW	NS DRT 3.2kw, 40-46-47/ 96-42-17; NW
Scottsbluff	9	K09YH-D	NW 300w, 41-51-44/ 103-39-38 (KDUH-4)
<b>Nevada:</b>			
Elko	5	K05JU-D	DG 10w
Elko	6, 8,	K06MK-, 12 K08LS-D, K12MS-D	DG 100w
Ely	22	K58BC-D	DR from ch. 58, 400w, 39-15-53/ 114-53-35
Hawthorne	20	K20FR-D	DC 564w
Las Vegas	21	KNBX-CD	DG 1.5kw, 35-56-46/ 115-02-34
Las Vegas	24	KEGS-LD	XG 35-56-46/ 115-02-34
Las Vegas	48	KGNG-LD	NW 15kw, DCC for ch. 47 analog
Laughlin	10	K63HJ-D	DR from ch. 63, 300w, 35-39-07/ 114-18-42
Laughlin	44	K44JR-D	DG from K59EX, 7kw
Laughlin	49	K57JO-D	DR from ch. 57, 1kw, 35-12-46/ 114-33-18
Pahrump	18	KHMP-LD	DC 7.5kw, 35-57-21/ 115-29-42
Reno	15	KNPB - 0825BIO	AF DRT 240w, 39-19-24/ 119-56-35
Stateline	31	K59GM-D	DR 15kw
Stateline	38	K38FW-D	DR 15kw, 39-02-35/ 119-52-49
<b>New Jersey:</b>			
New Brunswick	8	WNJB	NW 17.9kw/ 215m
<b>New Mexico:</b>			
Alamogordo	31	K31GJ-D	DG 170w
Angel Fire	33	K33FK-D	DR 1.038kw
Aztec	22	K08FR-D	DR 250w, 36-48-53/ 107-53-31
Caballo	20	K20HA-D	DR 240w
Caballo	31	K31DR-D	DR 1.5kw
Capitan	30	K30GM-D	DR 1.5kw
Capitan	38	K33GD-D	DR from ch. 33, 280w

Capulin	33	K33GC-D	DR 340w; DG
Carlsbad	45	K45GJ-D	DR 180w
Chama	34	K34FD-D	DR 370w; DG
Clovis	16	K16EX-D	DR 4.35kw
Colfax	30	K30GJ-D	DR 2.12kw
Conchas Dam	18	K18HR-D	DG
Crownpoint	28	K28GT-D	DR 230w
Deming	41	K41FM-D	DR 160w
Dulce	22	K22GE-D	DR 197w
Dulce	30	K30EK-D	DR 260w
Eagle Nest	48	K48AX-D	DR 230w
Farmington	23	K27GJ-D	QR from ch. 27, 2.1kw
Farmington	24	K62CR-D	DR from ch. 62, 1kw
Forrest	31	K31GC-D	DR 140w
Gallina	31	K31HB-D	DR 373w; DG
Gallina	48	K48GD-D	DR 940w
Gallup	39	K39EW-D	DR 220w
Grants	33	K33GA-D	DR 373w; DG
Hobbs	27	K27GL-D	DR 1.5kw
Hobbs	45	K45IL-D	DC 8.35kw
Horse Springs	46	K66EE-D	DR from ch. 66, 1kw
Indian Village	20	K20GT-D	DR 250w, 35-27-59/ 108-14-25
Las Vegas	47	K47GV-D	DR 220w
Lordsburg	16	K40HJ-D	DR from ch. 40, 300w
Lordsburg	27	K27FN-D	DR 120w
Lordsburg	31	K31HQ-D	DR 123w
Lordsburg	36	K36GA-D	DR 130w
Lordsburg	50	K61CN-D	DR from ch. 61, 1kw
Montoya	17	K17FK-D	DR 340w
Mora	6	K06HX-D	DR 1w
Mora	25	K25FI-D	DR 230w
Mora	31	K31EO-D	DR 390w
Penasco	32	K06FT-D	DR from ch. 18, 230w, 36-14-06/ 105-43-33
Picuris Pueblo	44	K44CZ-D	DR 250w
Quemado	15	K15HC-D	NW 947w, 34-17-00/ 107-54-44
Raton	20	K20CV-D	DR 398w
Raton	26	K26DX-D	DR 220w
Red River	15	K15FV-D	DR
Red River	46	K46GL-D	DR 660w
Roswell	13	K13RK-D	DG 300w
Roswell	15	K15FT-D	DG 2.5kw
Roy	34	K34FQ-D	DR 361w
<b>Santa Fe</b>	<b>8</b>	<b>KNMD-TV</b>	<b>QR from ch. 9, 5.14kw/1274m</b>
Santa Rosa	30	K30FP-D	DR 340w
Santa Rosa	36	K36DI-D	DR 104w
Shiprock	45	K45CU-D	DR 196w
Socorro	10	K10MG-D	DR 50w
Socorro	44	K44HJ-D	DG 58w
Taos	30	K06LE-D	DR from ch. 6, 220w
Tecolote	49	K49IL-D	DG 320w
Tierra Amarilla	9	K09KJ-D	DR 23w
Tohatchi	42	K06IS-D	DR 183w
Tres Piedras	28	K28GV-D	DC 370w
White Oaks	22	K22FN-D	DR 640w
Zuni Pueblo	16	K16DL-D	DR 1.03kw
<b>New York:</b>			
Albany	41	WVBG-LD	DG 15kw, 42-38-13/ 73-59-51 from Greenwich
<b>Binghamton</b>	<b>34</b>	<b>WIVT</b>	<b>QC from ch. 4, 345kw/278m</b>
Buffalo	34	WBXZ-LD	DR from ch. 56, 15kw, 43-01-32/ 78-55-43
Buffalo	49	WBXZ-LD	DR from ch. 56, 15kw, 43-01-32/ 78-55-43
Corning	39	WJKP-LD	DR 314w
<b>Ithaca</b>	<b>20</b>	<b>WNYI</b>	<b>PR&gt;110kw/ 237m, 42-45-30/</b>

**76-02-47**

Manhattan 17 WEBR-CD DC 315w  
**New York 11 WPIX NW 7.5kw/405m, 40-44-54/73-59-10**

New York 32, WXNY-D, PR>15kw, 40-47-59/  
35 WNYX-LD 73-40-06

New York 32 WXNY-LD DC 7.5kw  
New York 35 WNYX-LD DC 10kw  
Nyack 26 WRNN-LD DG from ch. 46, 40-47-59/  
73-40-06

Plainview 22 WCBS - NS DRT 11.5kw, 40-0630AEB 47-19/  
73-27-09

**Poughkeepsie 27 WTBY-TV PC>1000kw**  
Rochester 42 W42CO-D DC 8kw  
Schenectady 42 WNGX-LD DC 140w, 42-51-00/  
74-03-56

*Sylvan Beach 32 WTKO-LP QG from ch. 15, 800w, 43-14-46/  
75-46-25*

Troy 23 WNGN-LD DR from ch. 38, 5kw  
Utica 33 WVVC-LD DR from ch. 40, 15kw  
*Westvale 6 WMBO-LP PR>3kw*

**North Carolina:**

Asheville 19 W41BQ-D DR from ch. 41, 300w  
Bakersville 42 W42AX-D DR 1kw; DG  
Brevard 2 W02AG-D DR 300w  
Cashiers 42 W42DF-D XG 35-07-54/  
82-59-01

**Chapel Hill 25 WUNC-TV QC from 59, 1000kw/464m**

**Greenville 23 WUNK-TV PR>1000kw; PG**  
Hickory 20 WCCB - AF DRT 15kw, 35-43-0824AHX 59/  
81-19-51

**Jacksonville 19 WUNM-TV QC from 18, 100kw**  
Shelby 26 WCCB - AF DRT 12kw, 35-13-0824AHZ 57/  
81-16-34

**North Dakota:**

**Fargo 13 KFME QC from 23, 56.2kw/342m**

**Fargo 19 KVRN NW 1000kw/379m**

**Ohio:**

Bridgeport 28 WVTX-CD DR 15kw  
Celina 17 W17AA-D PG 5kw, 40-33-10/  
84-31-02

**Cincinnati 10 WCPO-TV PC>28kw/305**  
**Cleveland 17 WKYC-TV NS 930kw/289m (aux)**

Conneaut 44 W64AK-D DR from ch. 64, 5kw  
Dayton 42 WWRD-LD DR from ch. 32, 15kw  
Eastlake 38 W63CT-D DR from ch. 63, 11kw  
Lima 25 WOHL-CD DG 15kw (??, had filed later application to move to ch. 35 with 9kw, and that application has already been granted and is already on the air...)

Lima 35 WOHL-CA DC 9kw, 40-44-51/  
84-07-55 (using the old WLIO-35 analog antenna; WLIO is on DTV channel 8)

Lima 43 W23DE-D DR from ch. 23, 7.85kw

Maplewood 32 W32DS-D DG from W63AH, 15kw

**Oklahoma:**

Ada 35 K35CU-D DR 15kw  
Ardmore 17 K17FB-D DR 15kw  
Enid 31 KXOK-LD PG>3.7kw  
Enid 45 K45EJ-D DR 11kw  
Lawton 20 K20HO-D DR 15kw  
Lawton 38 K38GL-D DR 3.33kw; DG  
McAlester 23 KEGG-LD DR from ch. 35, 15kw, 35-24-48/  
95-21-56 dismissed

Muskogee 14 K14LD-D DR 15kw  
**Oklahoma City 13 KETA-TV NS 34kw/418m (aux)**

Oklahoma City 23 KTOU-LD PG>15kw, 35-35-52/  
97-29-22

Oklahoma City 41 KXOC-LD DR 15kw  
Stillwater 21 K21DF-D DR 15kw  
Tulsa 34 K15DA-D DR from ch. 15, 15kw  
**Tulsa 45 KOTV NS 29.24kw/556m (aux)**

**Oregon:**

Bend 18 K53JV-D QR from ch. 53, 8.5kw  
Bend 45 K45KM-D PG>15kw  
Bend 49 K49KT-D DG from K28JE, 5kw, 44-04-43/  
121-33-07

Canyonville 21 K32ET-D DR 360w  
Christmas Valley 17 K17DU-D DR 5.55kw  
College Hill 11 K11GT-D DR 150w, 44-00-07/  
123-06-58

Florence 48 K48GC-D DR 3.27kw  
Gold Beach 29 K55CM-D DR from ch. 55, 550w  
John Day 15 K02PK-D DR from ch. 2, 1.32kw, 44-25-02/  
118-57-27

John Day 17 K08NP-D DR from ch. 8, 1.32kw  
La Pine 4 K04BJ-D DC 36w (KOIN-6)  
Lakeview 31 K05KI-D DR from ch. 5, 1.58kw  
Maupin 15, K52CH-D, DR from chs. 52 / 54 / 17, K54BK-D, 56 / 58 / 60 / 62, 19, K56CD-D, 1.1kw, 45-11-13/  
26, K58BU-D, 121-03-10  
28, K60CH-D,  
32 K62EI-D

Medford 25 K25IM-D DR 362w  
Merlin 29 K29GX-D DR 554w  
North La Pine 34 K34AI-D DC 720w (KOIN-6)  
**Portland 12 KPTV NS 24.5kw/373m (aux)**

Portland 41 KORK-LD NW 15kw  
Portland 42 KPXG-LD DC from ch. 54, 15kw  
*Prineville 19 KQRE-LP PG<50kw, 44-26-17/  
120-57-14; CL from Riley*

Rainier 17, K17GV-D, DR 340w  
28 K28IH-D

Rainier 31 K31HK-D DR 200w  
*Riley 19 KQRE-LP PC<50kw, 44-26-17/  
120-57-14*

Roseburg 46 K53CU-D DR from ch. 53, 11.8kw

Salem 49 KWVT-LD QG from ch. 17, 15kw, 45-31-21/  
122-44-45

Sutherlin 11 K11BX-D DR 300w  
Terrebonne 34 K65AE-D DR 4kw, 44-34-45/  
121-09-09 (already has permit for analog operation on 34)

The Dalles 14 KRHP-LD DC 676w

**Pennsylvania:**

**Allentown 46 WFMZ-TV FC from Jewelry TV to RTV on 69-3**

**Bethlehem 9 WBPH-TV FC from black to**

Carlisle	27	WGAL - 0824ADP	<b>color bars on 60-2...</b> AF DRT 8.5kw, 40-17-23/ 77-08-10
Ephrata	49	WGAL - 0824ADN	AF DRT 15kw, 40-10-30/ 76-09-31
<b>Erie</b>	<b>50</b>	<b>WQLN</b>	<b>PR&gt;200kw</b>
Gettysburg	31	WGAL - 0824ADR	AF DRT 15kw, 39-57-40/ 77-28-32
Harrisburg	7	W35BT-D	DC from ch. 35, 250w
Harrisburg	43	WGAL - 0824ADL	AF DRT 15kw, 40-20-44/ 76-52-07
Kingston	43	W43CO-D	PR<9.5kw
<b>Lancaster</b>	<b>8</b>	<b>WGAL</b>	<b>FC from NBC WX+ to ThisTv on 8-2</b>
Lancaster	15	WGAL - 0824ADT	AF DRT 15kw, 40-02-17/ 76-18-23
Philadelphia	2	WZPA-LD	DG from ch. 33, 45w
Philadelphia	14	WTSD-LP	OFF
Philadelphia	33	WZPA-LP	FC to Cornerstone religious
<b>Philadelphia</b>	<b>34</b>	<b>WCAU</b>	<b>QC from 67, 700kw/400m, 40-02-30/ 75-14-11</b>
Philadelphia	38	WPHA-CD	DR dismissed
Pittsburgh	16	WBGN-LD	DG from ch. 59, 14kw, 40-26-46/ 79-57-51; DC
Pittsburgh	26	W26DQ-D	DG from W61CC, 2.85kw
Pottstown	28	W28DP-D	DG from W61AG (already authorized in analog on this channel), 800w
Red Lion	27	WGAL - 0824ADX	AF DRT 14.8kw, 39-54-18/ 76-34-58
<b>Red Lion</b>	<b>30</b>	<b>WGCB-TV</b>	<b>Adds My Family TV on 49-2</b>
Williamsport	51	WVIA - 0824ACM	AF DRT 121w, 41-12-32/ 76-57-31
<b>South Carolina:</b>			
<b>Greenville</b>	<b>36</b>	<b>WYFF</b>	<b>QC from 59, 1000kw/596m</b>
<b>South Dakota:</b>			
Pierre	32, 34	K32FW-, K34GM-D	DR 1.51kw, 44-18-42/ 100-21-09; DG
Rapid City	36	K40IV-D	QR from ch. 40, 1.51kw, 44-01-19/ 103-15-35
<b>Tennessee:</b>			
Adamsville	18	W18BL-CD	DR 15kw
Chattanooga	28	WRNG-LD	DR 14.3kw
Chattanooga	36	WCNT-LD	DR 10.16kw
Collegedale	21	W21BZ-CD	DR 2.38kw
<b>Johnson City</b>	<b>11</b>	<b>WJHL-TV</b>	<b>PR&gt;34.5kw</b>
Knoxville	28	WEZK-LP	FC; sold to WLFG-68
Lebanon	11	W11BD-D	DR 150w
Memphis	50	W50EA-D	DG from W45DB, 15kw, 35-16-33/ 89-46-38
Nashville	17	WNTU-LD	DR from ch. 26, 15kw, 36-15-50/ 86-47-39
Nashville	50	WTVF - 0702ACO	NW 15kw, 36-16-05/ 86-47-16

Sevierville	22	WJZC-LP	FC; sold to WLFG-68
South East Memphis	14	WFBI-LD	QG from ch. 33, 35-12-34/ 89-49-01
<b>Texas:</b>			
<b>Amarillo</b>	<b>9</b>	<b>KACV-TV</b>	<b>PR 30kw/ 398m, 35-20-33/ 101-49-21</b>
Amarillo	18	K18HL	PR>150kw
Austin	29	K29HW-D	PR>3.4kw
Austin	36	KTFO-CD	DG 15kw, 30-19-33/ 97-47-58
Beaumont	27	KAOB-LD	QC from ch. 69, 4kw
<b>Big Spring</b>	<b>33</b>	<b>KWAB-TV</b>	<b>NW 33.5kw/ 83m, 32-16-55/ 101-29-34</b>
<b>Blanco</b>	<b>18</b>	<b>KNIC-DT</b>	<b>NS 1000kw/ 200m</b>
Corpus Christi	20	K54JS-D	DR 300w
Corpus Christi	49	KCBO-LD	DG 800w
Denison	29	KHFW-LD	DG from ch. 30, 4kw, 33-32-08/ 96-49-54
El Paso	40	K40FW	XR 31-48-19/ 106-28-59
<b>Fort Worth</b>	<b>19</b>	<b>KTVT</b>	<b>GA from 11, 1000kw/500m</b>
<b>Fort Worth</b>	<b>29</b>	<b>KTXA</b>	<b>GA from 21, 1000kw/520m</b>
Gainesville	2	KSFV-LD	PG<200w, 33-33-37/ 96-57-35
Houston	7	KDHU-LD	AF DCC 300w, 29-34-15/ 95-30-37 for KDHU-LP dismissed but reinstated
Houston	31	KJIB-LD	DG from ch. 5, 15kw, 29-34-16/ 95-30-38; CL from Clear Lake
Houston	46	KBPX-LD	DG from ch. 33, 15kw, 29-34-15/ 95-30-37
Jasper	44	KVHP-LD	PR<7kw
<b>Katy</b>	<b>47</b>	<b>KNWS-TV</b>	<b>XR 29-33-44/ 95-30-35</b>
Laredo	31	KETF-CD	DG from ch. 25, 15kw, 27-30-04/ 99-30-37
Longview	36	KLGV-LD	DR 5kw
Lubbock	28	K67HQ-D	DR 15kw, but ch. 28 immediately superceded by an application for ch. 31
Lufkin	11	KLUF-LD	QR from ch. 26, 300w
Lufkin	13	KHTM-LD	DR 300w
Lufkin	48	K48IO-D	DR 12.82kw
McAllen	20	KSFE-LD	QG from ch. 67, 15kw, 26-05-18/ 98-03-44
Midland	21	K21GU	PR>6.5kw, 31-57-48/ 102-02-17
Midland	24	K63GZ-D	DR from ch. 63, 2.5kw
Midland	34	K34HH	PR>130kw, 32-08-47/ 102-04-23
Odessa	46	K46HN	PR>150kw, 31-51-56/ 102-19-31
San Angelo	43	K43IQ-D	DR 500w
San Antonio	11	KMHZ-LD	DR 30w
San Antonio	15	KMXU-LD	DR 3.2kw
San Antonio	42	K42GJ-D	DR 5kw
Victoria	25	KVCT - 0824AJA	AF DRT 15kw, 28-50-42/ 97-07-33
Victoria	33	K38IG-D	DR from ch. 38, 15kw

Victoria	40 KZHO-LD	DC from ch. 45, 5kw, 29-10-50/ 95-40-02
Wichita Falls	44 K44GS-D	DR; DG
Wichita Falls	48 K48HU-D	DR 15kw
<b>Utah:</b>		
Blanding	47 K47JI-D	DC 100w
Enterprise	34 K34FW-D	DR 100w, 37-30-22/ 113-39-36; DG
Leamington	12 K12OO-D	DR 38w
Leamington	38 K38HK-D	DR 100w
Logan	17 K17II-D	NW 400w, 41-45-21/ 112-01-22
Manti	24, K24HJ-D, 26, K26IH-D, 28 K28JN-D	PG>140w; PC
Mayfield	16 K16HV-D	XG 39-06-43/ 111-43-03; NW
Monticello	40 K40AF-D	DC 350w
Ogden	10 KULX-LD	PR>300w dismissed; going for ch. 14 instead with 15kw
Ogden	16 KQTI-LD	QR from ch. 68, 1.1kw, 41-09-57/ 112-00-52; CL from Logan
Park City	5 KPDR-LD	DR from ch. 56, 300w, 40-42-54/ 111-29-17
Rockville	40 K40FU-D	DR 163w; DG
Salt Lake City	26 KUCL-LD	DC 3.18kw
Santa Clara	36 K36FT-D	DR 225w, 37-09-19/ 113-52-56; DG
Scipio	31, K31GT-D, 41 K41IG-D	DR 50w, 39-12-09/ 112-08-35
Toquerville	23 K23FQ-D	DR 285w; DG
<b>Vermont:</b>		
Windsor	28 W21CN-D	DR from ch. 21, 960w; application to make the same conversion on channel 21 dismissed.
<b>Virginia:</b>		
Bristol	28 WCYB - 0824ABQ	AF DRT 5.1kw, 36-26- 58/ 82-06-29
Marion	15 W43BO-D	QR from ch. 43, 15kw
Newport News	39 WJHJ-LD	DR 15kw
Staunton	42 WHSV - 0401APJ	NS DRT 1kw, 38-57- 36/ 78-19-52
<b>Washington:</b>		
Aberdeen	23 KRUM-LD	DC 1.2kw, 46-58-31/ 123-08-16
Bellingham	6 K60GV	QR from ch. 60, 3kw, 48-40-45/ 122-50-31
Chelan	28 K28KJ-D	DG from K64ES, 7.5kw
Ellensburg	44 K39DM-D	DR 15kw
Everett	17 K17IZ-D	DG from K58BW, 500w, 48-02-01/ 122-08-02
Issaquah	51 KIRO-TV	AF DRT 950w, 47-30- 17/ 121-58-06
Longview	36 KEVE-LD	PR<2.85kw
Spokane	28 KAYU-DT	PG>445kw; NS 110kw/564 (aux)
Walla Walla	31 K31KL-D	DG from K28FT, 2.8kw
Yakima	51 K58DL-D	DC 10.91kw, 46-31- 41/

120-31-20

**West Virginia:**

Weirton	18 WJPW-CD	AF DCC 15kw, 40-21- 59/ 80-35-22 for ch. 57 analog
Wheeling	30 W30CO-D	PR<4.5kw

**Wisconsin:**

Madison	36 W36DR-D	DG from W08CK, 15kw
Milwaukee	36 WMVS	AF DRT 15kw, 43-05- 46/ 87-54-15 (same site as main ch. 8 and co- owned WMVT-DT 35)
Minocqua	39 W39CV-D	DG from W31BA, 2.3kw, 45-53-05/ 89-46-50
Sheboygan	30 W29DJ-D	QR from ch. 29, 15kw, transmitter in Milwaukee
Tomah	51 WIBU-LD	DR 15kw

**Wyoming:**

Cheyenne	47 KGSC-LD	DC 4.58kw
Gillette	9 K09YI-D	NW 300w, 44-14-35/ 105-32-19 (KOTA-3)
Jackson	36 K36JD-D	PG<85w; PC
Lander	16 KCWC-Z	NW 120w, 42-54-21/ 108-42-19
Mountain View	47 K47MB-D	QG from K09DI, 250w
Rawlins	51 K51IZ-D	DG; DC
Rock Springs	33 K33IX-D	PR<500w, 41-29-50/ 109-20-36
Teton Village	19 K19FG-D	DR 90w
Thermopolis	16 KCWC-V	NW 90w, 43-39-08/ 108-15-05

Thanks to John Zeis and Fred Vobbe for information appearing elsewhere in this column.

As I believe you read earlier, the FCC has held two filing windows for new LPTV stations. The first window was limited to stations outside large markets; the latter open to all applicants. Only digital applications were accepted.

Those windows have now closed. According to my quick calculations, 1,457 applications were filed. There's neither time nor space to deal with them here, but any which are granted will appear in this column.

One note of interest.. Eight of these 1,457 applications specified channel 13 from sites west of the Mississippi. These applications, if granted, will receive K13 callsigns.

The last K13 callsign currently valid is K13ZJ-D. (San Luis Obispo, Cal.) If all eight new LPTV applications are granted, the last one will get K13ZR – and we will have only eight more callsigns available for channel 13 LPTVs in the West. Channel 7 callsigns are running out too, with K07ZB already assigned.

John reports budget cuts have forced the four NJN stations in New Jersey (WNJB-8, WNJN-51, WNJS-22, WNJT-43) to drop their -3 and -4 subchannels. In Philadelphia, WYBE-35 is carrying MiND TV ("Media Independence") on

35-1; Global MiND (foreign programming) on 35-2; and WNVC's "MHZ Worldview" on 35-3.

In Kansas, co-owned KWCH-12 and KSCW-19 are swapping channels, putting CBS affiliate KWCH on RF-19 and CW affiliate KSCW on RF-12.

The FCC has already approved the swap of channel assignments. Next step is to file application to amend the stations' permits to swap channels.

The move also supercedes an application KWCH had filed to increase power on channel 12.

I apologize about the confusion about callsigns for DTV Replacement Translators this month. This is difficult to handle. Officially, the Replacement Translators have the same callsign as the main station. So, for example, there are two WTVFs in Nashville, one the main transmitter on channel 5 and the other the replacement translator on channel 50.

Maybe more confusingly, the two WCBS-TV's are in different cities... the one on channel 33 in New York City, and the one on channel 22 in Plainview on Long Island.

I have ended up tagging these with the last seven characters of the "Application Reference Number". This is unique to each Replacement Translator, even if a given main station has more than one. The Reference Numbers appear in the FCC CDBS database, so they can be located in the future.

DXers should remember that these seven characters are not part of the station's official callsign. The channel 17 transmitter in Anchorage, Alaska is not officially "KYES-0831AEG"; it's merely "KYES", just like the main transmitter on channel 5. The "0831AEG" part is merely a way for the *VUD* to distinguish between the transmitters.

You may remember last month, we reported WWAZ-44 Fond du Lac, Wisconsin received approval to change their DTV assignment to channel 5, from the WMVS/WMVT/WVCY tower in Milwaukee. One reason (among several) given for the move was to allow use of channel 44 in Chicago, by WLS who wished to leave DTV channel 7.

WLS has now been granted permission to make that move, leaving channel 7 and going to channel 44.

But...

WLS also wants to keep their channel 7 facility. So they've filed to relicense it as a Replacement Translator. With exactly the same technical facilities as when it was WLS's main transmitter.

Nominally, the power limit for a VHF digital translator (whether regular or Replacement) is 300 watts. WLS's channel 7 DTV facility was authorized for 4.75kw. That exceeds the nominal limit by nearly 1,500%. (and makes WTVF's application for a 100kw UHF Replacement Translator, at merely 570% of the nominal limit, downright trivial...)

But the story gets better.

LPTV station WCHU has been operating as an analog station on channel 61. Of course, that channel is eventually going away, as is analog operation, even for LPTVs. So, in July 2008, WCHU applied to move to channel 44 once full-power station WSNS ceased analog operation on that channel. (WSNS's permanent digital channel is 45) WCHU's move to channel 44 was approved; then, in May of this year, they requested a power increase on channel 44 from 100 watts to 15kw. That, too, was approved.

When WLS decided to move from channel 7 to channel 44 though, it was the end for WCHU's opportunity to operate on that channel. A full-license station always trumps a LPTV, analog or digital. *Scratch channel 44.*

So WCHU filed instead for channel 26, being abandoned by WCIU's analog facility. (WCIU is now operating on digital channel 27)

What they apparently didn't know... was that yet another Chicago station, WBBM, wanted channel 26 for a DTV Replacement Translator. WBBM's application was filed nearly simultaneously. If I recall properly.. Replacement Translators trump LPTVs. *Scratch channel 26.*

WCHU now seems to be simply frustrated (grin). They have now filed for channel 7, specifying precisely the same technical parameters selected by WLS – i.e., the same as WLS's old channel 7 full power facility – i.e., 1,500% of the power nominally available to VHF LPTVs.

I rather doubt the FCC will approve this. *Scratch channel 7?*

Good (DTV) DX!



# FM NEWS

From WTFDA.info and w9wi.com



BILL HALE, 6124 ROARING SPRINGS DR, N. RICHLAND HILLS TX 76180

FMnews@wtfda.org

OCTOBER 2009

## INDEX OF ABBREVIATIONS

APP application  
 APP Mod Change to an already submitted application  
 AUX auxiliary facilities (backup)  
 CL city of license (change to or from)  
 Class FM license class  
 CP construction permit (authority to broadcast with facilities noted)  
 CP Mod change to an already granted CP  
 DA directional antenna  
 FC frequency change (to or from)  
 LC License to Cover (station has ended testing and has been given authority to begin operation)  
 NDA non-directional antenna

PTA Program Test Authority (station has been given authority to begin testing)  
 STA Special Temporary Authority  
 RoA (at the) request of applicant  
 XL Transmitter Location  
 AS American Samoa  
 GU Guam  
 MP Northern Mariana Islands  
 VI Virgin Islands

Note: antenna heights are HAAT except where noted

### --- CANADA ---

#### - CALL LETTER CHANGES -

	<u>Old Call</u>	<u>New Call</u>
AB Calgary	90.3 CFUL	CKMP
AB Calgary	96.9 CKIS	CJAQ
ON Ottawa	101.9 NEW	CIDG ( <i>Dawg FM</i> )
ON Peterborough	90.3 CKKK	CJMB
ON Sudbury	93.5 CIGM(AM)	CIGM(FM)
ON Toronto	92.5 CJAQ	CKIS

#### - FORMAT and SLOGAN CHANGES -

AB Athabaska	94.1	CKBA	Becomes <i>The River</i>
AB Calgary	97.7	CIGY	Is now <i>The Mix 97 point 7</i>
AB Edmonton	107.1	CJNW	> CHR
BC Merritt	101.1	CKMQ	Now on the air as <i>Q-1-oh-1</i> , programming AC from 0600 to 2200 and C&W from 2200 to 0600, having CJNL-1230 Merritt as a repeater. In December, CJNL will split from CKMQ and then relay CHNL-610 Kamloops
BC Salt Spring Island	107.9	CFSI-FM	> Variety
BC Whistler	92.3	CFOX-FM-1	Has requested authorization to originate programming and relay CKNW-AM New Westminster during the 2010 Winter Olympics. Station ordinarily is a 100% relay of CFOX-FM Vancouver.
MB Beausejour	93.9	CKBJ	New station signs on as <i>Town Radio Beausejour</i> with "Special events and variety"
NB Moncton	103.9	CFQM	> Classic Rock
NF St. John's	94.7	CHOZ	> Active Rock: <i>Oz FM</i>
ON Caledon	102.7	CFGM	> AC/Variety with a 75% Cancon requirement: <i>The View</i>
ON Sudbury	93.5	CIGM	From Country/Talk when on AM to CHR: <i>Hot FM</i>
ON Sudbury	95.5	CJTK	Is now <i>KFM</i> ; includes CJTK-1 103.5 North Bay, CJTK-2 102.1 Little Current and CJTK-3 102.5 Elliot Lake
QC Montreal	94.3	CKMF	<i>NRJ</i> ; includes CJDM 92.1 Drummondville, CKTF 104.1 Gatineau, CHIK 98.9 Quebec City, CIKI 98.7 Rimouski, CJMM 99.1 Rouyn Noranda, CJAB 94.5 Saguenay, CIMO 106.1 Sherbrooke, CIGB 102.3 Trois Rivieres and CJMV 102.7 Val D'or

### --TECHNICAL CHANGES--

#### --- NOW ON THE AIR ---

BC Lake Cowichan	98.7	CICV	5 w-V/-370 m, 48-49-43/124-03-29
BC Merritt	101.1	CKMQ	200 w/601 m, 50-02-58/120-45-46; Class B1
MB Beausejour	93.9	CKBJ	46 w/? m, 50-04-00/96-33-01
ON Sudbury	93.5	CIGM	10 kw/309 m, 46-30-03/81-01-12; Class C1; is // 790 kHz for three months

#### --- ACTIONS ---

<u>CP granted for:</u>			
AB Drayton Valley	92.9	CIBW	50 kw-H//22 kw-H/123 m, 53-14-22/115-07-44
NS Truro	106.3	CINU-FM	50 kw-H/60 m, 45-20-15/63-12-05; FC from 98.5
ON Sudbury	93.5	CIGM	43 kw-H//100 kw-H/150 m, 46-25-29/81-00-53
QC Roberval	99.5	CHRL-FM	50 kw/149 m, DA, 48-24-05/72-05-21; pattern change
QC Saint Hilarion	96.3	CIHO	Status change to community from commercial; includes CIHO-1 105.9 La Malbaie, CIHO-2 92.1 Baie Saint Paul, CIHO-3 88.1 Petite Riviere Saint Francois, and CIHO-4 88.1 Saint Simeon
QC Sainte-Marie de Beauce	101.5	CHEQ-FM	100 kw/65 m, 46-23-24/70-59-03; FC from 101.3
QC Sherbrooke	93.7	CFGE	25.5 kw/207 m, 45-22-46/71-55-00

— GRANTS FOR NEW STATIONS —

				<u>CP granted for:</u>
AB Wabasca	95.5	CIAM-FM-14	45 w/73 m, XL to 55-58-21/113-49-23	
NF Grand'Terre	96.1	NEW	250 w/-18 m; to relay CJRM-FM Labrador City	
NF St. John's	95.7	NEW	232 w/29 m; to relay CJRM-FM Labrador City	
NS Liverpool	99.3	NEW	50 w/98 m, 44-03-59/64-42-57; Class C; English community	
NS Truro	(106.1)	NEW	5 w/78 m, 45-27-106-31-71-07; community station; must seek new frequency to avoid interference with CINU-FM's move to 106.3	
ON Ottawa	99.7	NEW	100 kw/125 m, DA, 45-13-01/75-33-51; Class C1: Soft AC	
ON Ottawa	101.9	NEW	3 kw-H/33 m, DA, 45-23-58/75-41-12; Class A; Blues	
ON Ottawa	(101.7)	NEW	3.25 kw/105 m, 45-25-09/75-42-18; must find another frequency as 101.9 was awarded to the above station	
QC Alma	(97.7)	CFGT(FM)	50 kw/78 m, 48-31-49/78-31-01; Class B	
QC Campement Sarcelle	92.1	NEW	1.505 kw/61 m, 52-36-57/76-41-24	
QC Campement Sarcelle	95.1	NEW	1.505 kw/61 m, 52-36-57/76-41-24	
QC Campement Sarcelle	98.3	NEW	1.505 kw/61 m, 52-36-57/76-41-24	
QC Campement Sarcelle	101.3	NEW	1.505 kw/61 m, 52-36-57/76-41-24	
[The above listed stations, when built, will each re-broadcast one of the these stations: CFQR-FM, CBF-FM, CKOI-FM, and CITE-FM Montreal.				
QC Levis	96.9	NEW	165 w/14 m; French community	

— APPLICATIONS FROM EXISTING/PROPOSED FACILITIES —

				<u>Applies for:</u>
AB Fort McMurray	103.7	CFVR-FM	50 kw/81 m, 56-41-03/111-19-47	
ON Cobourg	100.9	CKJJ-FM-1	250 w/33 m, 42-58-31/78-11-50; FC to 90.7 to avoid being bumped by a newly-authorized CIYMF in Brighton on 100.9.	
ON Pembroke	99.7	CKQB-1	7.5 kw/158 m, 45-40-53/77-05-47; FC to 99.7 due to new station on 99.7 approved at Ottawa.	
QC Amos	105.3	CHOW-FM	32.186 kw/106 m, 48-34-25/78-09-44	
QC Quebec	90.3	CKJF-FM	250w-V/103 m, 46-47-04/71-15-52; FC to 106.9; Class LP; move necessitated by new CKUB-FM 90.3 Montmagny authorization	

— TECHNICAL CHANGES —

— PROPOSALS FOR NEW STATIONS —

				<u>Applies for:</u>
BC Salt Spring Island	98.5	CIOC-FM1	3.5 kw/662 m, 48-45-12/123-29-30; would relay CIOC-FM Victoria; Class C1	
BC Seely Mountain	98.1	NEW	26 watts (Aboriginal); would relay CFNR 92.1	
SK Creighton	93.3	NEW	267 w, 34 m, 54-47-17/101-50-42; Class A1; would be CBC Radio One	

— OTHERNEWS —

ON Ottawa	99.7	-----	Application denied for new station
ON Ottawa	99.7	CIIO	Application denied for a power/antenna height increase; this LP station must find a new frequency due to new Class C1 CP on 99.7 here.
ON Ottawa	101.9	-----	(4) Applications for a new station
QC Qurbec City	90.3	-----	Application mod to move to 106.9 with 100 w; must find another frequency before CKUB-90.3 Montmagny signs on.

— UNITED STATES AND TERRITORIES —

FULL POWER and LPFM STATIONS

— CALL LETTER CHANGES —

		<u>Old Call</u>	<u>New Call</u>				
AL Union Grove	97.7	WKLD	WZZN	IN Seelyville	99.9	NEW	WVWG
AK Anchorage	105.7	KNIK-FM	KNLT	IA Onawa	102.3	KZSR	KQNU
AK Seward	91.7	NEW	KIBH	KY Hodgenville	107.3	WTHX	WRZI
AZ San Carlos	91.1	NEW	KYAY	KY Hyden	97.9	WZQQ	WKIC
AZ Taylor	103.5	NEW	KXBK	KY Vine Grove	101.5	WRZI	WTHX
AZ Tubac	98.1	NEW	KTBX	KY Louisville	100.5	WLUE	WLGX
AR Osceola	107.3	KQMJ	KQXF	ME Dover-Foxcroft	103.1	WDME-FM	WZON-FM
CA Alameda	92.7	KNGY	KREV	MO Ballwin	89.7	KYMC	KGNX
CA San Ardo	91.7	KBDH	KBNX	MO Country Club	89.7	KJCV	KJCV-FM
CA San Clemente	107.9	KWVE	KWVE-FM	MT East Helena	89.1	NEW	KYPH
CO Aspen	93.5	NEW	KVVQ	NV Boulder City	102.7	KFRH	KCYE
CO Eagle	101.7	KTUN	KSKE-FM	NV North Las Vegas	104.3	KCYE	KFRH
				NJ Avalon	94.3	WILW	WIBG-FM
				NJ Freehold	89.3	NEW	WSFS
CO New Castle	94.5	KJEB	KTUN	NY Belfast	91.7	NEW	WCOM
CO Parachute	101.1	KENG	KDBN	NY Clayton	89.3	NEW	WRVH
CO Vail	104.7	KSKE-FM	KBTB	NY DeRuyter	105.1	WVOA-FM	WOLF-FM
FL Penney Farms	91.5	NEW	WFPP	NY Houghton	90.3	WJSL	WXXY
FL Perry	107.7	KRIK	WJAP	NY Little Valley	105.9	NEW	WGWE
GA Macon	105.5	WIFN	WROK-FM	NY Mexico	103.9	WVOU	WVOA-FM
HI Haiku	106.5	KUHI	KRYL	NY Oswego	96.7	WOLF-FM	WMVN
ID Kellogg	89.3	NEW	KLGG	NY South Bristol Township	107.3	WROO	WHTK-FM
IL Herrin	92.7	WVZA	WTAO-FM	NY Sylvan Beach	100.3	WWLF-FM	WMVU
IL Murphysboro	105.1	WTAO-FM	WVZA	NC Mayodan	89.5	NEW	WJHW
[the two calls above were erroneously swapped last issue]				OK Prague	88.3	NEW	KIOP
IN Columbia City	106.3	WVBB	WJOE	OK Sayre	101.7	NEW	KKZU
IN Hymera	90.1	NEW	WVWD	OK Walters	88.3	NEW	KOEG



PA	Beaver Falls	106.7	WAMO-FM	WAOB-FM	TX	Refugio	100.5	NEW	KRIK
PA	Duquesne	98.3	WOGI	WOGF	TX	San Marcos	92.5	NEW	KZOS-LP
	[then, later . . .]				TX	Stephenville	90.5	KWEV-FM	KTRL
PA	Duquesne	98.3	WOGF	WPKV	TX	Stephenville	100.7	KTRL-LP	KWEV-LP
PA	Moon Township	104.3	WOGF	WOGI	TX	Stephenville	100.7	KWEV-LP	KURT-LP
PA	Mount Union	106.3	WBSS	WHUN-FM	TX	Sulphur Bluff	99.7	KYZQ	KRBR
PA	Nanty Glo	90.7	WPKV	WPAI	UT	Park City	91.9	KPCW-FM	KPCW
PR	Isabella	101.5	WKSA-FM	WELX	VA	Chesapeake	93.7	WPYA	WNOB
SC	Mauldin	96.7	WBZT-FM	WROO	VA	Woodbridge	105.9	WJZW	WVRX
SD	Chamberlain	91.5	NEW	KBJW	WA	Brewster	91.9	KEWR	KPBW
SD	Fort Pierre	90.3	NEW	KSLP	WA	Omak	88.5	NEW	KOMQ
TN	Huntingdon	100.9	WVHR-FM	WEIO-FM	WA	Oroville	90.9	KWAN	KPBG
TN	Walden	103.7	WURV	WKXJ	WA	Twisp	91.1	NEW	KTWP
TX	Arroyo	88.1	NEW	KVJS	WI	Rudolph	99.9	WIZD	WSAU-FM
TX	Eldorado	88.9	NEW	KOPE	WY	Casper	96.7	KMGW	KRNK
TX	Haltom City	93.3	KDBN	KLIF-FM	WY	Cody	89.1	NEW	KNWT
TX	Miles	95.5	NEW	KMLS					

**- FORMAT AND SLOGAN CHANGES -**  
(Includes All Stations)

AL	Florence	97.3	W248BP	Is // WBCF 1240	Florence
AL	Harvest	97.3	W247AT	Is now // WQXD-LP	97.9 Athens
AL	Jasper	101.5	W268BM	Is now // WJLX-1240 with Southern Gospel: <i>Walker County's WJLX 1240 AM</i>	
AL	Northport	88.1	WSJL	Is silent	
AK	Anchorage	105.7	KNLT	> Soft AC: <i>Lite 105 point 7</i>	
AZ	Green Valley	97.1	KTZR-FM	> Spanish Top 40: <i>Mia 97 point 1</i>	
AR	Bentonville	97.9	K250AX	Is now // KUOA-1290	Siloam Springs with Sports: <i>The Hog</i>
AR	England	96.5	KHTE-FM	> Adult Contemporary: <i>K-Hits 96 point 5</i>	
AR	Fayetteville	105.3	K287AN	Is now // KUOA-1290	Siloam Springs with Sports: <i>The Hog</i>
AR	North Little Rock	101.1	KWBF-FM	> Urban Contemporary: <i>Streetz 1-oh-1</i>	
AR	Osceola	107.3	KQXF	> Hot AC: <i>107 point 3, The Fix</i>	
CA	Alameda	92.7	KREV	> Top 40: <i>92 point 7, The Revolution</i>	
CA	San Ardo	91.7	KBNX	> News // KCBX-90.1: <i>KCBX Public Radio FM 90</i>	
CA	San Jose	92.3	KSJO	> Modern Rock: <i>Channel 92 point 3</i>	
CA	Santa Maria	90.5	KGDP-FM	> Contemporary Christian: <i>Family Life Radio</i>	
CA	Sunnyvale	104.9	KCNL	> Spanish Adult Hits: <i>La Preciosa</i>	
CO	Eagle	101.7	KSKE	> Country: <i>Ski Country</i>	
CO	Pueblo	106.9	KIQN	Returns to the air with Country: <i>Continuous Country 1-oh-6 point 9</i>	
CT	Hartford	96.5	WTIC-FM	> Hot AC: <i>Best Mix 96</i>	
DE	Laurel	95.3	WKDB	> R&B Oldies // WXXH-106.1: <i>Studio 106</i>	
FL	Eestero	92.5	WNTY	> News/Talk: <i>92 point 5 Fox News // WINK-1240 and WNOG-1270</i>	
FL	Sebastian	95.9	WSJZ	> Sports // WINT-1560: <i>ESPN 15-60</i>	
FL	Vero Beach	103.7	WQOL	> Classic Hits: <i>WQOL Classic Hits</i>	
GA	Cleveland	101.9	WAZX-FM	Returns to the air with Regional Mexican: <i>Aqui Suena La Que Buena</i>	
GA	Hodgenville	107.3	WRZI	> Classic Rock // WTHX-101.5: <i>The Point</i>	
GA	Macon	105.5	WROK-FM	> Rock: <i>Quality Rock 105.5</i>	
HI	Kaiku	106.5	KUHI	Signs on with Smooth Jazz // KORL-FM 101.1: <i>Hawaii's Smooth Jazz</i>	
ID	Ketchum	104.7	KIKX	> Adult Hits: <i>104.7 Bob FM</i>	
ID	Mountain Home	99.1	KQLZ	> Modern Rock: <i>99-1 The Virus</i>	
IL	Chillicothe	94.3	WPMJ	> Religious Teaching	
IN	Auburn	102.3	WGBJ	> Top 40: <i>Power 102.3</i>	
IN	Brownsburg	101.9	WKLU	> Contemporary Christian: <i>K-Love</i>	
IN	Greencastle	90.5	WIKL	> Christian CHR/Rock: <i>Air One</i>	
IA	Onawa	102.3	KQNU	> Adult Contemporary/Alternative: <i>New 1-oh-2</i>	
IA	Waterloo	91.3	K217FT	Now relays KXGM-850 Waterloo with religion: <i>The Spirit</i> ; this signal is also on KXGM-FM-89.1 Hiawatha, K227BL- 93.3 Anamosa, K261DH-100.1 Iowa City, K292FR-106.3 Dyersville, and K292FZ-106.3 Mount Vernon.	
LA	Empire	104.5	KNOU	> Oldies	
LA	Maurice	106.3	KYMK-FM	> Urban AC: <i>The Juice, 106 point 3</i>	
LA	Opelousas	107.1	KOGM	> Classic Hits: <i>Classic Hits - Mix 107.1</i>	
MI	Bear Lake	100.1	WCUZ	> Rock // WOUF-99.3: <i>99 point 3, The Wolf</i>	
MI	Detroit	106.7	WDTW-FM	> Rhythmic AC: <i>106 point 7, The Beat</i>	
MN	North Mankato	96.7	KDOG	> CHR: <i>Hot 96-7, Mankato's Hit Music Channel</i>	
MS	Yazoo City	92.1	WJNS-FM	Returns to the air with Religious Teaching	
MT	Billings	103.7	KBBB	> Adult Contemporary: <i>B-103 point 7</i>	
NE	Ainsworth	92.7	KBRB-FM	> Classic Rock: <i>FM 92</i>	
NE	Grand Island	107.7	KSYZ	> Adult Hits: <i>The Island</i>	
NE	Omaha	88.9	KYFG	Returns to the air with Religious Teaching: BBN	
NH	Lancaster	102.3	WXXS	Can be heard on WKDR-1490 Berlin, New Hampshire: <i>Kiss 102.3</i>	
NV	Boulder City	102.7	KCYE	> Country: <i>102 point 7, The Coyote</i>	
NV	Las Vegas	104.3	KFRH	> Rhythmic-Top 40: <i>104 point 3 Now</i>	
NV	Las Vegas	106.5	KSNE-FM	> Adult Contemporary: <i>Sunny 106 point 5</i>	
NH	Concord	102.3	WWHK	> Classic Rock: <i>102 point 3, The Hawk</i>	
NM	Albuquerque	96.3	KBZU	> Classic Rock: <i>The Mountain</i>	
NY	DeRuyter	105.1	WOLF-FM	> Country: <i>Wolf Country</i>	
NY	Dannemora	107.1	WNMR	Returns to the air with Talk	
NY	Phoenix	102.1	WZUN	> Classic Hits: <i>Sunny 102</i>	
NY	Solvay	106.9	WPHR	> Country: <i>Young Country 106 point 9</i>	
NY	South Bristol Township	107.3	WHTK-FM	> Sports // WHTK-1280: <i>Sportstalk 1280</i>	
NY	Westport	102.9	WCLX	Is silent	
NC	Charlotte	96.5	W243BY	Is now // WNOW-FM HD2 - 105.3 Gaffney, South Carolina	
PA	Beaver Falls	106.7	WAOB-FM	Is silent	

PA	Laporte	91.7	WEVP	> Adult Alternative
PA	Phillipsburg	105.9	WJOW	> Rock: <i>Qwik Rock</i>
PA	Renova	106.9	WZYY	> Rock // WJOW-105.9: <i>QWIK Rock 105 -9/106-9 FM</i>
PA	Uniontown	99.3	WPKL	> Classic Hits: <i>99 The Pickle Classic Hits</i>
PR	Isabella	101.5	WKSA-FM	Is Silent
RI	Block Island	88.3	WJZS	> Hot AC: <i>Today's Best Hits</i>
SC	Honea Path	103.1	WRIX-FM	> Adult Contemporary: <i>Your Variety Station</i>
SD	Huron	105.1	KZKK	> Country: <i>Eagle Country Coast to Coast</i>
SD	Rapid City	106.7	K294BT	Is now // KIMM - 1150 with a Classic Country music + <i>Imus in the Morning</i> and ABC-I news on the hour
SD	Sioux Falls	89.1	KAUR	> News: Minnesota Public Radio News Network
SD	Yankton	99.7	K259BV	Is now rebroadcasting WNAX-FM-104.1: <i>104.1 The Wolf</i>
TN	Cookeville	91.7	WHRS	> News/Talk // WPLN-90.3: Nashville Public Radio
TN	Nashville	90.3	WPLN-FM	> News/Talk: Nashville Public Radio
TN	Rockwood	105.7	WIHG	> Classic Hits: <i>105 point 7 The Hog</i>
TN	Trenton	97.7	WTNE-FM	> Black Gospel
TN	Tullahoma	91.5	WTML	> News/Talk // WPLN-90.3
TN	Walden	103.7	WKXJ	> CHR: <i>103.7 Kiss FM</i>
TX	Big Spring	89.3	KPBD	Is silent
TX	Canyon	107.1	KPUR-FM	> Country: <i>107 point 1 KPUR Armadillo</i>
TX	Corpus Christi	94.7	KBSO	> Country: <i>Badlands 94 point 7</i>
TX	Del Rio	96.3	KTDR	> CHR: <i>Mix 96</i>
TX	Memphis	93.7	K226BL	Is now // KJRT-88.3 Amarillo
TX	Midland	90.1	KPBJ	Is silent
TX	Mission	105.5	KQXX-FM	> Classic Rock: <i>105 point 5 The X</i>
TX	Pearsall	104.1	KRIO-FM	> Regional Mexican: <i>El Compa</i>
TX	Round Rock	105.9	KFMK	> Rhythmic CHR: <i>105 point 9 The Beat</i>
TX	Umbarger	88.7	KRBG	> Religious Teaching: <i>Radio By Grace</i>
UT	Centerville	105.7	KNRS-FM	> Talk; has different line-up than when formerly // KACP-570
VA	Chesapeake	93.7	WNOB	> Adult Hits: <i>Bob FM</i>
VA	Norton	106.3	WNVA-FM	> Classic Country: <i>Mix 106</i>
VA	Woodbridge	105.9	WVRX	> Classic Rock: <i>105 point 9 The Edge</i>
WA	Pullman	104.3	KHTR	> Classic Hits: <i>Hit Radio 104 point 3</i>
WI	Cornell	99.9	WDRK	> Variety Hits: <i>Bob FM</i>
WI	Rudolph	99.9	WSAU-FM	Is now News/Talk // WSAU-550 Wausau: <i>550 NewsRadio</i>
WI	Sturgeon Bay	99.7	WRQE	Is now AC: <i>The Bridge</i> // WROE-94.3; WROE is also heard on W270AJ-101.9
WY	Casper	96.7	KRNK	> Rock: <i>Rock 96 point 7</i>
WY	Gillette	97.3	KAML-FM	> Hot AC: <i>Camel-FM Today's Hit Music</i>

## -TECHNICAL CHANGES -

### - NOW ON THE AIR -

AZ	Bisbee	90.1	KRMB	115 w/673 m, XL to 31-28-55/109-57-31
AZ	Fountain Hills	89.1	KLVK	30 kw/703 m, DA, 33-35-33/112-34-49
AZ	Meadview	107.9	KVGS	100 kw-H/537 m, 35-50-11/114-19-08; CL from Laughlin, Nevada
AR	Forest City	88.1	KARH	4.2 kw/155 m, 35-12-11/90-33-57
CO	Salida	92.3	KVRH-FM	220 w/895 m, XL to 38-27-11/106-01-02
FL	Homestead	88.1	WRGP	STA: 100 w-V/13 m, 25-35-31/80-21-54; WRGP lost its tower site lease and is negotiating for a new site
FL	Perry	107.7	WAJP	9.4 kw/94 m, 30-07-35/83-36-29
GA	Arcade	106.1	WNGC	100 kw/299 m, XL to 34-22-39/83-39-35; CL from Toccoa
GA	Augusta	90.7	WACG-FM	5.6 kw-H/429 m, 33-15-33/82-17-09
GA	Louisville	92.1	WPEH-FM	6 kw/91 m, 33-00-48/82-23-33
GA	Maysville	103.7	WXKT	4.1 kw/250 m, 34-22-39/83-39-35; CL from Royston
GA	Winder	89.5	WYFW	6 kw/61 m, DA, 33-59-29/83-45-46
HI	Kaiku	106.5	KUHI	72 kw/696 m, DA, 20-39-56/156-21-50; Class C
IL	Chicago	97.1	WDRV	8.3 kw/363 m, DA, 41-53-06/87-37-18
IN	Roanoke	94.1	WBNI-FM	3.4 kw/100 m, 40-55-00/85-27-30
IA	Davenport	88.5	KALA	10 kw/99 m, DA, 41-35-44/90-40-44; Class C3 from A
KY	Hazard	106.1	WRZD-LP	2 w/210 m, 37-15-21/83-10-25
KY	Louisville	100.5	WLGX	37 kw/169 m, 38-11-31/85-31-21
KY	Walton	100.7	WZFR-LP	53 w-H/41 m, XL to 38-51-20/84-37-32; FC from 97.7
LA	Shreveport	89.9	KDAQ	100 kw/284 m, 32-40-40/93-55-30
MA	Brockton	97.7	WKAF	2.05 kw/173 m, 42-12-42/71-06-51
MA	Lawrence	93.7	WMKK	34 kw/178 m, 42-31-53/70-59-12
MI	Trout Lake	89.9	WHWG	1 kw/119 m, 46-11-17/84-56-46
MO	Liberty	91.9	KWJC	7 kw/190 m, DA, 39-07-23/94-23-24
MO	Steelville	107.3	KESY	STA granted for 100 w/32 m, 38-04-10/91-24-19; licensed to Cuba with a CP to relocate here, KESY lost its proposed new tower site and is operating under this STA until a new site is located and a tower can be built.
MT	Choteau	88.7	KUDI	110 w/-36 m, 47-2-48-24/112-10-43
MT	Hamilton	90.7	KMZO	5 kw/101 m, 46-13-46/114-14-01; FC from 90.3
NV	Laughlin	102.3	KJJJ	17 kw/576 m, DA, 35-01-58/114-21-57; FC from 92.7
NV	Sparks	88.3	KLRH	2.95 kw/877 m, 39-45-38/119-27-59
NV	Spring Creek	103.9	KEBG	12.5 kw/487 m, 40-55-18/115-50-58
NV	Pioche	101.7	KCLS	200 w/1025 m, 37-53-44/114-34-41; CL from Ely
NJ	Delaware Township	89.7	WDVR	6 w-H/3.8 kw-V/221 m, DA, 40-30-36/74-57-34
NJ	Hackettstown	91.9	WNTI	5.6 kw/155 m, 40-51-07/74-52-35
NJ	Manahawkin	90.7	WYRS	1 w-H/15 kw-V/80 m, DA, 39-38-24/74-17-32
NM	Ruidoso	91.3	KYCT	240 w/844 m, 33-24-15/105-46-55
NM	Tucumcari	89.3	KENM	165 w/265 m, 35-08-04/103-41-53; Class A

NY Albany	103.1	WHRL	5.6 kw/103 m, 42-39-46/73-40-37
NY Cortland	99.8	WIII	26 kw/208 m, 42-33-23/76-09-19
NY Solvay	106.9	WPHR-FM	9 kw/124 m, DA, 43-00-10/76-11-58
NC Carrboro	97.5	WQOK	50 kw/146 m, XL to 35-58-39/78-48-58; CL from South Boston, Virginia; Class C2 from C1
NC Pilot Mountain	89.7	WGIW	2 kw-V/118 m, DA, 36-25-24/80-37-53
OH Ashville	93.3	WLZT	32 kw/184 m, 39-52-34/82-58-49
OH Celina	94.3	WKKI	5.2 kw/108 m, XL to 40-34-21/84-35-22
OH Urbana	102.9	WDHT	50 kw/150 m, 39-57-11/83-52-07
OK Lawton	99.5	KBZQ	25 kw/103 m, 34-35-31/98-32-55
OK Stillwater	101.1	KVRO	6 kw/100 m, XL to 36-13-06/97-09-43
OK Stillwater	105.5	KGfy	4.2 kw/120 m, 36-10-47/97-00-38
OR Astoria	88.7	KLOY	250 w/321 m, 46-15-46/23-53-09
OR Baker	88.1	KDJC	775 w-V/552 m, 59 m, 45-07-26/117-46-48
OR Eugene	91.9	KRVM-FM	15 kw-H//6.4 kw-V/276 m, 44-00-07/123-06-47
OR Canyonville	92.1	KMKR	6 kw/-209 w/42-55-42/123-17-05; CL from Oakridge
OR North Powder	89.5	KEFS	165 w/545 m, 45-07-26/117-46-48
PA Allentown	89.3	WJCS	120 w (adds H)/279 m, DA, 40-33-52/75-26-25
PA Laporte	91.7	WEVP	270 w/49 m, 41-26-06/76-28-28; Class A
PA Warwick	88.1	WZZD	1 w-H//430 w-V/185 m, DA, 40-07-45/75-52-43
SC Pinopolis	105.9	WTUA	6 kw/100 m, XL to 33-10-26/80-00-46; FC from 106.1; CL from St. Stephen
TN Morristown	94.1	WMXK	1 kw/247 m, 36-13-42/83-19-56
TN Paris	90.9	WPRH	5.4 kw-V/96 m, 36-15-29/88-11-11
TX Dripping Springs	99.9	KDRP-LP	17 w/70 m, 30-11-27/98-04-17
TX Gatesville	88.1	KVLW	16.5 kw-V/334 m, DA, 31-18-53/97-19-36; Class C1
TX Sulphur Bluff	99.7	KRBR	6 kw/73 m, 33-19-50/95-18-56; Class A
TX Umbarger	88.7	KRBG	9.5 kw/114 m, 34-53-50/102-14-08; CL from Hereford
UT Milford	102.3	KCDC	520 w/1185 m, 38-31-09/113-17-07; Class C1; FC from 98.5
VA Culpeper	103.1	WJMA-FM	6 kw/86 m, DA, 38-29-04/77-59-22
WV Charleston	88.5	WVPM	44 kw/134 m, DA, 38-22-34/81-39-24
WV Clarksburg	88.1	WKJL	19 kw-H//32 kw-V//149 m, DA, 39-17-59/80-17-30
WY Wamsutter	105.1	KHNA	120 w/16 m, 41-39-56/107-58-11; FC from 97.7

- TECHNICAL CHANGES -

- FCC ACTIONS -

CP GRANTED FOR:

AL Heflin	91.7	WPIL	1.3 kw/26 m, DA, 33-36-55/85-32-41
AK Wasilla	99.7	KMBQ-FM	51 kw/-48 m, XL to 61-38-32/149-26-21
AZ Payson	89.3	NEW	CP Mod: 1 kw-V (drops H)/312 m, DA; Class C3
AZ Scottsdale	106.7	KWSS-LP	100 w-H (drops V)/17 m, 33-38-09/111-59-33
AZ Tanque Verde	104.9	KWCX-FM	6 kw/-70 m, DA, XL to 32-16-49/110-38-07; CL from Willcox
AR Cash	106.3	KJBX	25 kw/95 m, (to) DA, 35-44-51/90-37-49; FC from 106.7; CL from Trumann; Class C3 from A
AR Weiner	94.7	KKLV	5.7 kw/77 m, XL to 35-38-15/90-53-33; CL from Turrell
CA Atwater	91.5	NEW	500 w/32 m, 37-23-49/120-36-49; Class A
FL Cedar Creek	89.5	WKSG	26 kw/104 m, 29-11-20/81-52-52
FL Flagler Beach	90.3	WJLH	CP Mod: 15 kw (adds H)/54 m, (to) DA, 29-22-26/81-10-49; Class C3 from A
FL Hammocks	91.9	WMKL	CP Mod: 25 kw-V (drops H)/97 m, 25-45-42/80-49-11
FL Perry	107.7	WAJP	CP Mod: 9.4 kw/94 m, 30-07-25/83-36-29
GA Cochran	107.5	WDXQ-FM	4 kw/122 m, DA, XL to 32-32-36/83-27-55; FC from 96.7
ID Boise	102.7	KQFC	48 kw/828 m, 43-45-21/116-05-54; FC from 97.9
IL Effingham	91.3	WGMR	CP Mod: 3.4 kw-H/51 m, DA, 39-13-19/88-30-37; Class A
IL Polo	89.9	NEW	8 kw (adds H)/94 m, DA, 41-55-37/89-47-00; Class B1
IN Angola	88.3	WEAX	570 w/91 m, XL to 41-41-12/84-59-53
IN Brownsburg	101.9	WKLW	4 kw/110 m, 39-47-13/86-17-57
IN Edinburgh	100.3	WYGB	4.9 kw/110 m, XL to 39-21-45/85-54-23
IN Indianapolis	88.7	WICR	8 kw (adds V)/209 m, 39-53-40/86-12-21
IN Seymour	88.5	NEW	CP Mod: 6 kw/43 m, 38-57-24/85-53-48; Class A
IA Hiawatha	89.1	KXGM-FM	5.8 kw (adds H)/122 m, DA, 42-03-13/91-44-35
KS Hugoton	106.7	KFXX-FM	100 kw/78 m, XL to 37-18-57/101° 20' 16; Class C1 from C2
KY Paducah	91.7	WNFC	CP Mod: 12.5 kw/89 m, DA, 37-03-41/88-50-26; Class
KY Wilmore	107.1	WLAI	3.6 kw/128 m, (to) DA, XL to 37-57-37/84-32-42; CL from Danville
LA Tallulah	104.5	KLAM	CP Mod: 25 kw/100 m, XL to 32-22-13/91-07-39; Class C3 from A
ME Dover-Foxcroft	103.1	WZON-FM	1.5 kw/204 m, (to) DA, XL to 45-05-37/69-05-00
ME Gorham	90.9	WMPG	CP Mod: 4.5 kw (adds H)/195 m, DA, 43 44-38/70-20-05; Class B1
ME South Portland	100.9	WYNZ	25 kw/93 m, DA, 43-41-26/70-19-05; CL from Westbrook
MA New Bedford	88.1	WFHL	300 w (adds H)/41 m, 41-38-15/70-52-19
MA Worcester	91.9	WBPR	CP Mod: 365 w/213 m, 29 m, DA, XL to 42-18-11/71-53-52
MI Good Hart	91.3	WJOG	6 kw/190 m, 45-30-33/85-02-11; Class C3 from A
MI Imlay City	88.9	WWKM	1 w-H//6 kw-V/80 m, DA, 42-50-07/83-05-15
MI Lansing	89.7	WLNZ	CP Mod: 1 kw (adds H)/37 m, DA, 42-44-15/84-33-12
MN Morris	89.7	KUMM	CP Mod: 700 w (adds V)/38 m, XL to 45-35-11/95-53-57
MN St. Paul	95.3	KNOF	3.3 kw/136 m, DA, 44-59-54/93-11-18 [KUOM-770 tower]
MS Brooksville	98.9	WAJV	13 kw/139 m, DA, XL to 33-24-45/88-29-25
MS Mantee	100.9	WKBB	47 kw/155 m, (to) DA, 33-40-43/88-48-18; CL from West Point; Class C2 from C3
MS Flora	103.9	WYAB	4.1 kw/104 m, XL to 32-27-21/90-17-26
MO Ash Grove	104.1	KSGF-FM	19 kw/114 m, 37-09-16/93-36-58
MO Hayti	98.7	WGcq	6 kw/67 m, 36-19-06/89-42-01; FC from 94.9
MO West Plains	90.3	KSMW	800 w (adds H)/120 m, XL to 36-44-48/91-49-56

MT	Bozeman	93.7	KOBB-FM	100 kw/243 m, XL to 45-40-24/110-52-04
MT	East Helena	89.1	KYPH	170 w-V/672 m, DA, 46-49-29/111-42-13; Class C3
MT	Somers	91.3	KFLF	CP Mod: 1 kw/79 m, DA, 48-04-07/114-02-20
NE	Grand Island	90.7	KNFA	1.3 kw/58 m, 40-54-50/98-23-52
NV	Fernley	107.3	KEHD	100 kw-V/600 m, XL to 39-54-46/118-55-18; Class C from C1
NJ	Toms River Township	91.1	WWNJ	13.2 kw/56 m, DA, XL to 39-57-07/74-12-09; Class B1 from B
NM	Milan	89.5	KVLK	110 w/800 m, XL to 35-15-12/107-35-50; CL from Socorro
NM	Red River	91.3	NEW	CP Mod: 2 kw/273 m, XL to 36-43-44/105-25-29; Class A to C3
NM	Rincon	105.5	KSIL	2.25 kw/165 m, XL to 32-41-44/107-03-51; CL from Hurley; Class A from C1
NM	Ruidoso	91.3	KYCT	240 w/844 m, 33-24-15/105-46-55
NY	Rochester	90.9	WIRQ	19 w/35 m, 43-12-59/77-35-51; FC from 104.7
NC	Chapel Hill	89.3	WXYC	CP Mod: 1.1 kw/147 m, (to) DA, XL to 35-51-59/79-10-00
ND	Lincoln	89.1	KGCD	CP Mod: 2.3 kw/213 m, 46-35-24/100-47-46; Class C3 from A
OH	Marion	91.9	WXMF	CP Mod: 6 kw/93 m, DA, 40-36-51/83-12-56; Class A
OK	Coweta	88.1	KDIM	100 kw/168 m, DA, 35-42-24/96-05-39
OR	McMinnville	90.3	KSLC	750 w/102 m, (to) DA, XL to 45-09-28/123-17-22
PA	Lincoln University	88.7	WWLU	3 w/43 m, 39-48-36/75-55-35
PR	Manati	96.9	WNRT	50 kw/343 m, 18-15-34/66-32-15
RI	Providence	88.1	WELH	CP Mod: 4 kw (adds H)/41 m, DA, XL to 41-51-27/71-19-06
RI	Smithfield	88.7	WJMF	CP Mod: 1.2 kw (adds H)/163 m, XL to 41-48-12/71-33-27; Class A to B1
SC	Branchville	105.3	WGFG	12.5 kw/141 m, DA, 33-26-35/80-48-16
SC	Due West	95.3	NEW	CP Mod: 6 kw/92 m, DA, 34-25-41/82-23-37
SD	Milbank	99.1	KXLG	CP Mod: 40 kw/167 m, XL to 45-01-10/96-56-43; CL from Huron; Class C2 from A
TN	Bartlett	94.9	WKVF	10.6 kw/127 m, XL to 35-12-41/89-48-54; CL from Byhalia; Class C3 from A
TX	Galveston	106.5	KOVE-FM	100 kw/598 m, 29-18-00/95-06-40
TN	Lebanon	91.5	WFMQ	1 kw (adds V)/80 m, XL to 36-12-24/86-16-02
TX	Longview	105.7	KYKX	100 kw/456 m, (to) DA, XL to 32-36-04/94-52-15
TX	Lumberton	100.7	KKHT-FM	100 kw/595 m, XL to 30-03-05/94-31-37; CL from Winnie
TX	Madisonville	107.7	KKLB	CP Mod: 6 kw/21 m, XL to 30-56-43/95-54-43; Class A
TX	Port Arthur	107.1	KSAP-LP	100 w-H/14 m, XL to 29-52-13/93-56-13
VA	Spotsylvania	89.5	WWED	CP Mod: 8 kw (adds H)/151 m, DA, 38-11-48/77-33-45; Class B1 from A
VA	Spotsylvania	99.3	WVBX	3 kw/100 m, XL to 38-08-38/77-42-05
WA	Bellingham	104.1	KAFE	60 kw/701 m, (to) DA, XL adjustment to 48-40-49/122-50-26
WA	Covington	105.5	KMCQ	8.1 kw/364 m, XL to 47-32-37/122-06-35
WA	Pullman	88.5	KRLF	400 w/246 m, XL to 46-38-04/117-05-22
WV	Beckley	88.1	WJJJ	840 w/348 m, 37-35-24/81-06-54
WY	Hudson	105.1	KTUG	12.5 kw-H/80 m, XL to 43-02-32/108-26-28; FC from 105.7; Class C2 to C3

**- TECHNICAL CHANGES -**

**- AUXILIARY FACILITIES -**

				<u>AUX LICENSE ISSUED FOR:</u>
CA	San Diego	94.9	KBZT	2.6 kw/564 m, DA, 32-41-48/116-56-10
DC	Washington	90.9	WETA	5 kw/122 m, 38-56-10/77-05-33
FL	Edgewater	88.9	WKTO	8 kw-V/29 m, 29-00-21/80-56-21
FL	Miami	101.5	WLYF	43 kw/174 m, 25-58-00/80-12-43
FL	Windermere	103.1	WLOQ	22 kw/227 m, 28-32-22/81-26-46
GA	Atlanta	99.7	WWWQ	48 kw/319 m, 33-44-41/84-21-36
GA	College Park	100.5	WNNX	5.9 kw/339 m, DA, 33-44-41/84-21-36
IL	Savoy	99.1	WXTT	16 kw/118 m, 40-08-53/87-46-21
MA	Pittsfield	89.9	WBEC-FM	2 kw/-21 m, 42-26-40/73-16-46
MI	Ann Arbor	102.9	WWWW-FM	15.2 kw/100 m, 42-14-46/83-48-06
MI	Detroit	92.3	WMXD	5.4 kw/103 m, 42-23-22/83-08-53
MI	Detroit	104.3	WOMC	58 kw/80 m, 42-28-09/83-06-54
MI	Detroit	106.7	WDTW-FM	5.4 kw/122 m, 42-23-22/83-08-53
NV	Boulder City	102.7	KCYE	12.5 kw/320 m, 36-00-36/115-00-20
NV	Moapa	94.5	KVBE	340 w/59 m, 36-19-24/115-55-49
NY	Deruyter	105.1	WOLF-FM	1.38 kw/163 m, 42-46-58/75-50-28
NY	Rochester	100.5	WDVI	1.35 kw/120 m, 43-09-17/77-36-10
NC	Cary	93.9	WKSL	5.3 kw/kw/489 m, 35-40-28/78-31-40
NC	Rocky Mount	100.7	WRVA-FM	4.3 kw/489 m, 35-40-28/78-31-40
NC	Durham	105.1	WKSL	1.7 kw/489 m, 35-40-28/78-31-40
OH	Asheville	93.3	WLZT	13 kw/161 m, 39-52-34/82-58-49
OH	Cleveland	104.1	WQAL	8.5 kw/168 m, 41-22-45/81-43-12
OK	Altus	107.9	KEYB	8.9 kw/91 m, 34-46-15/99-32-20
PA	Tioga	94.7	WMTT	7.9 kw/131 m, 42-03-44/77-21-38
TX	Gainesville	94.5	KSOC	9.8 kw/110 m, 33-02-22/96-58-17
TX	Wichita Falls	99.9	KLUR	780 w/65 m, 33-56-30/98-34-06
TX	Wichita Falls	103.9	KQXC-FM	5.4 kw/94 m, 33-56-30/98-34-06
VA	Chester	100.9	WDYL	5.5 kw/105 m, 37-37-17/77-22-14

**- TECHNICAL CHANGES -**

**- GRANTS FOR NEW STATIONS -**

				<u>CP GRANTED FOR:</u>
AK	Delta Junction	90.3	NEW	460 w/51 m, 64-03-26/145-39-07; Class A
AR	Diamond City	88.5	NEW	2 kw-V/81 m, 36-22-54/92-56-07; Class A

CT	North Granby	89.9	NEW	96 w/46 m, DA, 42-02-54/72-51-04; Class A
FL	Hog Valley	91.5	NEW	400 w/26 m, DA, 29-30-15/81-57-20; Class A
FL	Penney Farms	91.5	WFPP	1.7 kw/88 m, DA, 29-51-23/81-55-56; Class A
HI	Hauula	90.5	NEW	2.2 kw/273 m, 21-40-09/158-00-09; Class C3
KS	Brewster	90.1	NEW	CP Mod: 90 kw/305 m, 39-14-31/101-21-38; Class C1
KS	Dodge City	89.1	NEW	57 kw-V/206 m, 37-39-01/100-40-06; Class C1
KS	Lakin	92.5	NEW	51 kw/118 m, 37-57-40/101-19-06; Class C1
MN	Stewartville	88.1	NEW	1.9 kw/278 m, 43-34-15/92-25-37; Class C2
MO	Grandin	104.5	NEW	6 kw/100 m, 36-48-15/90-43-12; Class A
ME	Farmington	91.5	NEW	100 w/-52 m, 44-40-09/70-09-00; Class A
NY	Little Valley	105.9	WGWE	7 kw/191 m, 42-13-58/78-47-47; Class B1
ND	Moffit-Lincoln	90.9	NEW	100 kw-V/168 m, 47-12-23/100-15-09; Class C1
OH	Leipsic	88.9	NEW	1.1 kw/60 m, DA, 41-05-36/84-01-30; Class A
OH	Zanesville	88.5	NEW	265 w-V/56 m, 40-19-36/83-38-02; Class A
OK	Guymon	91.3	NEW	CP Mod: 140 w/69 m, 36-42-43/101-27-27; Class A
OK	Prague	88.3	KIOP	CP Mod: 1.5 kw (adds H)/90 m, DA, 35-26-42/96-42-06; Class A
OK	Walters	88.3	KOEG	CP Mod: 40 kw/114 m, DA, 34-16-19/98-25-30; Class C2
OR	Lees Camp	88.7	NEW	100 w-V/-303 m, DA, 45-35-25/123-31-47; Class A
PA	Ellwood City	88.1	NEW	450 w/100 m, DA, 40-50-45/80-13-24; Class A
TX	Eldorado	88.9	KOPE	140 w-V/63 m, 30-51-55/100-35-36; Class A
TX	Lamesa	88.9	NEW	250 w/22 m, 32-44-06/101-57-35; Class A
TX	Happy	91.7	NEW	600 w/32 m, 34-40-30/101-50-17; Class A
VT	St. Albans	90.5	NEW	1.5 kw/39 m, DA, 44-48-36/73-04-53; Class A
WA	Westport	91.1	NEW	6.8 kw/25 m, 47-01-13/124-09-52; Class C3
WY	Hudson	89.1	NEW	4.8 kw/407 m, 42-34-42/108-42-46; Class C2

- TECHNICAL CHANGES -

- APPLICATIONS FROM EXISTING/PROPOSED FACILITIES -

AL	Huntsville	89.3	WLRH	100 kw/319 m, (to) DA, XL to 34-44-13/86-31-45
AL	Waverly	100.3	WGZZ	CP Mod: 3.2 kw/139 m, XL to 32-46-20/85-40-08; FC from 94.3
AZ	Globe	94.1	KRDE	APP Mod: 4.7 kw/1039 m, (to) DA, 33-17-37/110-50-09; CL to San Carlos
AZ	Mammoth	88.1	KLTU	16 kw (would add H)/591 m, (to) DA, XL to 32-14-57/111-06-57
CA	Laguna Niguel	93.5	KXRN-LP	CP Mod: 47 w/43 m, XL to 33-31-23/117-42-36
CA	Los Angeles	99.5	KKLA-FM	CP Mod: 10 kw/902 m, XL to 34-13-26/118-03-44
CA	Manteca	96.7	KMRQ	6 kw/99 m, XL to 37-40-50/120-55-26; CL to Riverbank
CO	Frisco	90.7	KMPB	140 w (would add H)/-241 m, XL to 39-36-58/106-26-58; CL to Minturn
FL	Key West	90.1	WKWR	100 kw/138 m, XL to 24-39-40/81-25-10; Class A to C1
FL	Tallahassee	89.7	WVFS	CP Mod: 7-V/55 m, 30-26-22/84-17-29
GA	Tignall	90.3	WEZG	CP Mod: 26 kw-V/146 m, DA, 33-44-33/82-31-17; Class C2
GA	Warm Springs	88.1	WJSP-FM	100 kw/461 m, (to) DA, 32-51-08/84-42-04; Class C1 to C
ID	Island Park	102.9	KWYS-FM	37 kw/842 m, 44-33-41/111-26-32
IL	Harvard	88.9	NEW	CP Mod: 7.3 kw/52 m, (to) DA, 42-24-30/88-36-32; Class B1
IN	Angola	88.3	WEAX	570 w/91 m, 41-41-12/84-59-53
IN	Ellettsville	89.9	WOMB	CP Mod: 1.25 kw (would add H)/136 m, 39-11-32/86-41-46; Class A
IN	Madison	91.1	WHMO	CP Mod: 1.8 kw-V (would drop H)/87m, DA, 38-14-23/85-19-04
IN	Muncie	88.3	WKMV	280 w (would add H)/103 m, (would drop DA), XL to 40-09-22/85-25-48
KS	Kiowa	98.3	KQZQ	100 kw/209 m, XL to 37-24-09/98-34-51
KS	Burdett	93.5	KKDT	CP Mod: 95 kw/305 m, 38-36-32/99-42-11
KS	Dodge City	89.1	NEW	APP Mod: 57 kw-V/205 m, 37-39-01/100-40-06
KS	Ness City	104.7	KXNC	CP Mod: 15 kw/265 m, XL to 38-36-32/99-42-11; Class C1 to C2
KY	Crittenden	89.1	WKCX	CP Mod: 8 kw/85 m, DA, XL to 38-48-51/84-39-54; Class C3
KY	Grand Rivers	99.1	WCBL-FM	CP Mod: 16 kw/127 m, XL to 37-06-47/88-21-34
LA	Buras	91.9	KMRL	CP Mod: 12 kw (would add H)/235 m, XL to 29-33-45/89-49-46; Class C2 from A via C1
ME	Augusta	89.5	WWTP	CP Mod: 410 w (would add H)/100 m, DA, 44-21-07/69-31-30; Class A
ME	Bath	89.7	WTBP	CP Mod: 14 kw (would add H)/60 m, DA, 43-54-51/69-36-50; Class B1
ME	Farmington	91.5	NEW	CP Mod: 100 w (would add H)/-52 m, 44-40-09/70-09-00; Class A
ME	Greene	91.1	WFGP	CP Mod: 450 w (would add H)/50 m, DA, 44-10-12/70-10-19; Class A
ME	Madison	90.7	WTWP	CP Mod: 2.55 kw (would add H)/234 m, DA, 44-36-16/69-55-28; Class C3
MD	Midland	88.3	WYUR	CP Mod: 490 w (would add H)/437 m, (to) DA, 39-34-51/78-54-01; Class A
MA	Worcester	90.5	WICN	CP Mod: 1.1 kw/247 m, DA, XL to 42-18-11/71-53-52
MI	Ann Arbor	88.3	WCBN-FM	3 kw (would add H)/51 m, (to) DA, 42-16-37/83-44-07
MI	Athens	88.9	NEW	CP Mod: 5.9 kw/42 m, DA, 42-07-55/85-16-31; Class A
MI	Bedford	89.7	NEW	CP Mod: 750 w (would add H)/71 m, DA, 42-27-13/85-20-39; Class A
MI	Chocolay Township	94.9	WUPZ	100 kw/156 m, 46-30-52/87-28-40
MI	Frankfort	99.3	WOUF	APP Mod: 50 kw-H/131 m, 44-36-38/86-09-38; CL to Beulah
MI	Gwinn	94.9	WUPT	100 kw/156 m, XL to 46-30-52/87-28-40
MI	Wyoming	88.1	WYCE	CP Mod: 10 kw/50 m, DA, 42-54-43/85-41-00
MN	Eagle Lake	94.1	KXLP	3.7 kw/121 m, XL to 44-08-31/94-00-06
MN	Fairmont	90.1	NEW	22 kw (would add H)/69 m, DA, 43-39-35/94-36-43; Class C3
MO	Branson	89.7	KOZO	20 kw/130 m, 33-36-04/93-14-36
MO	Ellington	106.7	KAUL	9.4 kw/162 m, 37-12-04/90-44-26; Class A to C3
MO	Moberly	88.7	KSDQ	CP Mod: 17 kw-V/57 m, DA, XL to 39-14-40/92-12-40; Class C3
ME	Farmington	91.5	NEW	CP Mod: 100 w (would add H)/-52 m, 44-40-09/70-09-00; Class A
NE	Aurora	91.9	NEW	CP Mod: 25 kw-H (would drop V)/42 m, DA, 40-50-34/97-58-09;

			Class C3
NE	Hyannis	97.9	KNPE CP Mod: 1.4 kw/31 m, XL to 41-51-12/103-19-33; FC to 98.1; CL to Bayard; Class C1 to A [note: a move of about 85 miles]
NM	Socorro	92.9	KMXQ 6 kw/-55 m, 34-02-43/106-54-21; FC to 99.1
NY	Attica	101.7	WLOF 2.6 kw/135 m, (would drop DA), XL 42-48-59/78-30-04; CL to Elma
NY	Canaseraga	97.1	NEW CP Mod: 3.9 kw/95 m, DA, XL to 42-24-06/77-39-37; Class A
NY	Fleming	88.7	WTMI CP Mod: 100 w (would add H)/85 m, (to) DA, XL to 42-48-05/76-26-14; Class A
NY	Warsaw	88.3	WCOU 11 kw/163 m, DA, 42-49-36/78-12-25; CL to Attica
NC	Mayodan	89.5	WJHW CP Mod: 2.5 kw/95 m, DA, XL to 36-30-32/79-56-25; Class A
ND	Fargo	96.3	KNDS-LP CP Mod: 100 w/28 m, 46-52-36/96-54-22; FC from 105.9
ND	Fort Totten	90.7	KABU CP Mod: 3.5 kw/116 m, 47-59-31/98-58-53; Class A from C2
ND	Fort Totten	90.7	KABU APP Mod: 2.4 kw/116 m, 47-59-31/98-58-53 (aux)
OH	Martins Ferry	90.7	NEW CP Mod: 6.3 kw (would add H)/113 m, 40-04-56/80-56-24; Class B1
OH	North Baltimore	107.7	WPFX-FM 5.2 kw/107 m, (to) DA, XL to 41-25-39/83-36-30; CL to Luckey
OH	Upper Sandusky	90.1	WXML CP Mod: 15 kw-H/158 m, XL to 40-54-53/83-07-32 (aux)
OK	Guymon	91.9	NEW CP Mod: 140 w/69 m, 36-42-43/101-27-27; FC to 91.3; Class A
OK	Moore	88.1	KMSI 50 kw (would add H)/177 m, DA, 35-12-07/97-35-18
OK	Prague	88.3	NEW 1.5 kw/90 m, DA, 35-26-42/96-42-06; Class A
OR	Bend	88.9	NEW CP Mod: 800 w/485 m, (would drop DA), XL to 43-47-29/120-56-48; Class C2 to C3
OR	The Dalles	88.1	KQDL 3 kw/340 m, DA, XL to 45-43-19/121-26-14; Class A to C2
OR	Riley	89.1	KOHP CP Mod: 2.5 kw/540 m, 43-33-25/120-04-23; FC to 90.7
OR	Hines	90.9	NEW CP Mod: 1.2 kw/169 m, 43-34-23/119-07-49; ; FC to 89.1; Class C3
PA	Connellsville	88.7	WSVP 2.5 kw/235 m, DA, 39-55-40/79-25-06; Class B1
PR	Culebra	89.3	WJVP 50 kw (would add H)/168 m, 18-19-37/65-18-21
SC	Branchville	105.3	WGFG 12.5 kw/141 m, DA, 33-26-35/80-48-16
SC	Seneca	98.1	WHZT 100 kw/304 m, 34-41-15/82-59-13; CL to Williamston
SC	Walhalla	105.5	WGOG CP Mod: 6 kw/72 m, XL to 34-50-24/82-28-14; CL to Powdersville
TX	Bastrop	88.5	KHIB 10 kw (would add H)/94 m, DA, 30-12-57/97-08-31; Class A to C3
TX	Buda	101.5	KROX-FM 12.5 kw/258 m, XL to 30-19-20/97-48-03
TX	Caldwell	91.9	KALD 30 kw/118 m, XL to 30-35-57/96-38-32; Class C3 to C2
TX	Elgin	92.5	KXXS 3 kw/144 m, XL to 30-19-23/97-47-58; CL to Sunset Valley
TX	Hearne	88.5	KEDC CP Mod: 2.5 kw (would add H)/56 m, (would drop DA), XL to 36-46-12/96-32-33; Class A
TX	Lake Brownwood	106.7	NEW APP Mod: 50 kw/100 m, 31-35-00/99-14-25; Class C2
TX	New Ulm	92.3	KNRG 6 kw/101 m, XL to 29-54-09/96° 31' 45; CL to Smithville
TX	Vernon	88.9	NEW APP Mod: 3 kw-V/116 m, XL to 34-15-21/99-30-05; FC to 88.5; Class A
VT	St. Albans	90.5	NEW CP Mod: 1.5 kw (would add H)/39 m, DA, 44-48-36/73-04-53; Class A
VA	Colonial Beach	88.1	NEW APP Mod: 1 w-H//100 w-V/32 m, (would drop DA), 38-15-11/77-01-38; Class A
WA	Pullman	88.5	KRLF 400 w-V/246 m, XL to 46-38-04/117-05-22
WV	Moundsville	96.5	WLVW 2.5 kw/138 m, (to) DA, 40-02-09/80-46-16
WY	Bar Nunn	92.5	KDAD CP Mod: 3.1 kw/521 m, 42-44-30/106-18-23; CL from Douglas
WY	Mills	105.5	KZQL CP Mod: 5 kw/518 m, XL to 42-44-30/106-18-23; Class C2 to C1

**- APPLICATIONS FOR NEW STATIONS -**

			<u>Applies for:</u>
CA	Newman	90.3	NEW 100 w/19 m, DA, 37-18-51/121-06-47; Class A
GA	Chester	96.7	NEW 6 kw/100 m, DA, 32-22-43/83-10-17; Class A
IN	Noblesville	90.9	NEW 2.4 kw/44 m, DA, 40-00-38/85-49-43; Class A
IA	Fort Dodge	88.7	NEW 30 kw/71 m, DA, 42-40-18/94-09-12; Class C2
MT	Victor	88.7	NEW 100 w-H//50 kw-V/69 m, DA, 46-13-47/114-14-01; Class C2
NY	Unadilla	88.9	NEW 5 kw-V/241 m, DA, 42-23-26/75-19-41; Class B
ND	Grand Forks	88.3	NEW 10 kw-V/42 m, 47-53-35/96-47-40; Class C3
SC	Ridgeville	91.9	NEW 25 kw-V/92 m, DA, 33-18-55/80-33-39; Class C3
TX	Batesville	97.9	NEW 6 kw/100 m, 28-58-27/99-30-12; Class A

**- APPLICATIONS REINSTATED -**

			<u>Application for:</u>
PA	Bethlehem	91.3	WLVR-FM 200 w/170 m, 40-36-04/75-21-34

**TRANSLATORS and BOOSTER STATIONS**

**- CALL LETTER CHANGES -**

		<u>Old Call</u>	<u>New Call</u>			<u>Old Call</u>	<u>New Call</u>	
AL	Athens	101.5	W269CI	DE	Smyrna	98.3	W254AT	W252CH
AL	Decatur	94.3	W234AD	FL	Indiantown	106.7	W296BY	W294BI
AL	Eufaula	96.3	W243CN	FL	West Tampa	95.3	W290BJ	W237DI
AL	Eufaula	97.1	W300BH	GA	Union	95.5	W239BO	W238BZ
AZ	Lake Havasu City	102.3	NEW	ID	Ketchum/Hailey	99.3	K203DS	K257EY
AZ	Lake Havasu City	106.9	K292EB	ID	Ketchum/Hailey	99.5	K257EY	K258BV
AR	Marked Tree	92.3	K276FD	ID	Pocatello	102.9	K278BM	K275BL
CA	Bakersfield	103.1	K279BE	IL	Champaign	92.7	W279BN	W224BX
CA	Las Cruces, etc	101.1	K213AR	IL	McLean	105.3	W234AM	W287BP
CA	San Clenente	107.9	KWVE-FM1	IN	Edinburgh	91.7	W273AH	W219DO
CA	San Clenente	107.9	KWVE-FM2	IN	Mount Pleasant	94.1	W230AR	W231CC
CO	Dillon	104.7	KSKE-FM1	IA	Le Mars	89.1	K204FZ	K206ED
CO	Estes Park	92.7	K221EA	KY	Murray	98.7	W257CO	W254BI
CO	Estes Park	101.9	K269FR	KY	North Corbin	99.1	W253BC	W256BM
CO	Glenwood Springs	101.7	KTUN-FM1	KY	Paducah	93.9	W229AZ	W230BN
CO	Pinecliffe	101.5	K269FE	LA	Arabi	89.5	K261DN	K208FC
				LA	New Orleans	94.3	NEW	WTIX-FM1

MA	Pittsfield	106.1	W230AU	W291CH	SD Yankton	99.7	K206DQ	K259BV
MI	St. Ignace	95.1	W237CF	W236BZ	TN Coalmont	94.7	W236BT	W234BK
MO	Joplin	90.3	K206DZ	K212FW	TX Alice	100.5	K262AN	K263AY
NE	Hastings	93.3	K229AZ	K227BQ	TX Dalhart	99.3	K255CC	K257FC
NV	Apex	106.9	NEW	KONV-1	TX Hereford	93.3	K229AW	K227BR
NV	Charleston Park	94.7	K235BU	K234BS	TX Kenedy	91.7	K272EJ	K219LI
NV	Olinghouse	104.1	KZZD-1	KZZD-FM1	TX Pampa	91.3	K220CP	K217FW
NH	Claremont	94.7	W233AY	W234BL	TX Plainview	91.9	K222AR	K220JM
NH	Lancaster	99.9	W258BJ	W260BZ	TX Tulia	94.3	K236AR	K232EE
NY	Elmira	95.3	W238AI	W237DN	UT Saint George	91.7	K272EX	K219LJ
NC	Charlotte	104.3	W228CE	W282BP	UT Saint George	102.3	K270BM	K272EX
NC	Winston-Salem	91.9	W273BD	W220EF	VT E. Haven	99.9	W258BJ	W260BZ
ND	Dickinson	88.3	K201FN	K202EE	VA Afton	98.9	W201CN	W255CG
OH	Jackson	95.3	W236BC	W237DM	VA Crozet	101.1	W218BZ	W266BQ
OR	Beaverton	104.5	K284BF	K283BL	VA Danville	104.5	W282BH	W283BN
OR	Gold Beach	104.9	K288EF	K285GA	VA Fredericksburg	88.9	W258BR	W205CJ
OR	Roseburg	102.1	K272CO	K271BL	VA Martinsville	100.9	W263AZ	W265CA
SC	Marion	105.9	W237BK	W290BP	WI Appleton	101.7	W268AU	W269CJ
SD	Deadwood	96.9	K244EA	K245BD	WI Baraboo	99.7	W259BD	W259BC
SD	Rapid City	97.5	K258AJ	K248BT	WY Wheatland	92.7	K221FG	K224DT
SD	Rapid City	106.7	K300AX	K294BT				

### - TECHNICAL CHANGES -

#### - NOW ON THE AIR -

(antenna heights are AGL)

AL	Blue Mountain	96.3	W242BU	250 w/15 m
AL	Decatur	94.3	W232BX	250 w/29 m; FC from 94.7; CL from Trinity
AL	Enterprise	105.3	W287BO	120 w-V/9 m; FC from 106.3
AL	Eufaula	96.3	W242BW	250 w-V/9 m; FC from 107.9
AL	Eufaula	97.1	W246CB	120 w/9 m; FC from 107.9
AL	Eutaw	105.7	W286BT	1 w-V/22 m; FC from 105.1; CL from Tuscaloosa
AL	Jasper	101.5	W268BM	250 w/95 m; CL from Athens
AL	Montgomery	101.5	W268BH	13 w/97 m
AL	Tuscaloosa	102.1	W271AM	250 w-H/548 m, DA
AK	Clover Pass	107.1	K296CA	28 w-H/4 m, DA
AK	Ketchikan	88.1	K201EG	90 w/47 m
AK	Sitka	91.9	K220FY	85 w/30 m
AZ	Fort McDowell	95.9	K240BD	60 w-V/12 m, DA
AZ	Lake Havasu City	106.9	K295BN	250 w/20 m; FC from 106.3
AR	Jonesboro	88.9	K202CG	10 w-V/64 m; FC from 88.3
AR	Marked Tree	92.3	K222BU	200 w-H/77 m, DA; FC from 103.1
CA	Bakersfield	103.1	K276FH	10 w/5 m, DA; FC from 103.7
CA	Las Cruces	101.1	K266BE	10 w-V/13 m, DA; FC from 90.5; CL from Las Cruces, etc
CO	Estes Park	92.7	K224DU	1 w/21 m, DA; FC from 92.1
CO	Estes Park	101.9	K270BN	250 w-V/149 m, DA
CO	Mesa	89.9	K210CE	17 w/14 m, DA
CO	Pinecliffe	101.5	K268BW	5 w/12 m ; FC from 101.7
FL	Ruskin	103.9	W280EA	99 w/37 m
FL	Indiantown	107.1	W296BY	99 w-V/11 m; FC from 106.7
FL	West Tampa	95.3	W237DI	115 w/36 m, DA; FC from 105.9
GA	Buford	89.7	W209CD	7 w/91 m
GA	Nashville	102.9	W275AY	170 w/25 m
GA	Macon	104.3	W282AE	13 w/61 m
GA	Tallapoosa	88.9	W205CI	7 w/56 m
GA	Tallapoosa	89.7	W209CG	5 w/53 m
GA	Union	95.5	W238BZ	55 w-V/15 m; FC from 96.3
GA	Valdosta	106.9	W295AO	250 w/69 m
ID	Burley	103.3	K277BO	28 w/24 m; FC from 92.5
ID	Ketchum/Hailey	99.3	K257EY	13 w-V/10 m, DA; FC from 88.5 [ then . . . ]
ID	Ketchum/Hailey	99.5	K258BV	13 w-V (drops H)/10 m, DA; FC from 99.3
ID	Pocatello	89.9	K210DT	10 w/80 m
ID	Pocatello	102.9	K275BL	99 w/64 m; FC from 103.5
IL	Champaign	92.1	W224BX	195 w/94 m, DA; FC from 92.7; CL from LeRoy
IL	Galva	100.1	W261AL	95 w-V/11 m
IL	Jacksonville	102.9	W275BM	90 w/78 m; CL from Markham
IN	Bicknell	93.7	W231AN	250 w/12 m; FC from 94.1; CL from Washington
IN	Ireland	96.5	W243AU	250 w/12 m; CL from Huntingburg
IN	Mount Pleasant	94.1	W231CC	250 w/10 m; FC from 93.9; CL from New Castle
IN	Vincennes	88.1	W201BO	13 w/79 m
IA	Le Mars	89.1	K206ED	110 w/49 m
IA	Le Mars	96.9	K245AM	100 w/92 m; FC from 88.7
	[frequency corrected from last issue]			
KS	Bel Aire	91.5	K218DR	99 w/99 m
KS	Pittsburg	102.9	K275BD	250 w-V/61 m
KY	Henderson	91.9	W220DV	10 w/237 m; CL from Robards
KY	Murray	98.7	W254BI	120 w-V/9 m
KY	North Corbin	98.5	W253BC	18 w/46 m; FC from 97.9 [and then . . . ]
KY	North Corbin	99.1	W256BM	250 w/46 m; FC from 98.5
KY	Owensboro	91.3	W217BP	15 w/67 m
KY	Paducah	93.9	W230BN	50 w/4 m; FC from 93.7
LA	Arabi	89.5	K208FC	80 w/46 m; FC from 100.1
LA	Metarie	104.9	K285FF	120 w (adds H)/38 m; CL from Chalmette
MA	Gloucester	95.1	W236BX	20 w-V/9 m

MA Pittsfield	106.1	W291CH	10 w/44 m; FC from 93.9
MD Cumberland	99.5	WVMD-FM1	1.2 kw/33 m
MI Kalamazoo	99.5	W258AH	13 w/79 m
MI Ludington	104.9	W285DY	19 w/55 m
MI St. Ignace	95.1	W236BZ	250 w/77 m; FC from 95.3; CL from Mackinaw City
MS Newton	92.9	W225AK	70 w/80 m
MO Joplin	90.3	K212FW	250 w-V/76 m; FC from 89.1
MO Joplin	102.9	K275BD	250 w/191 m; CL from Pittsburg, Kansas
NE Hastings	93.3	K227BQ	250 w/51 m; FC from 93.7
NV Carson City	107.3	K297AS	10 w-V/44 m, DA
NV Charleston Park	94.7	K235BU	100 w-V/9 m; FC from 94.9
NV Henderson	107.9	KVGS-FM1	2.5 kw/346 m, DA
NV North Las Vegas	101.3	K267BH	10 w-H/9 m, DA
NV Olinghouse	107.3	KEHD-FM1	760 w-H/12 m, DA
NV Round Mountain	90.9	K215DX	95 w/13 m
NV Sparks	90.1	K211EB	28 w-V/31 m, DA
NH Berlin	98.1	W251BD	10 w/34 m
NH Claremont	94.7	W234BL	3 w-V/10 m; FC from 94.5; CL from Newport
NH Lancaster	99.9	W260BZ	90 w-V/6 m
NJ Parlin, etc	91.9	W220AA	6 w/57 m, DA
NM Mimbres	100.9	K265EI	12 w-H/3 m, DA
NY Elmira	95.3	W237DN	80 w-V/27 m, DA
NY Jamestown	100.3	W262BX	250 w/11 m, DA
NY Malone	102.1	W271BH	15 w/7 m, DA
NY New York	91.1	WFMU-FM1	22 w/244 m, DA
NC Charlotte	104.3	W282BP	250 w/76 m, DA; FC from 93.5
NC Winston-Salem	91.9	W220EF	13 w/93 m; FC from 102.5
ND Dickinson	88.3	K202EE	62 w-V/50 m; FC from 88.1
OH Crestline	97.3	W247BL	120 w/120 m, DA
OH Jackson	95.3	W237DM	19 w/45 m
OR Merlin	105.5	K288CP	99 w-H/9 m, DA
OH Middleport	105.9	W290BC	10 w/12 m
OR Gold Beach	104.9	K285GA	77 w/; FC from 105.5
OR Hood River	91.9	K220HR	10 w/19 m, DA
OR Reedsport	101.9	K270BJ	75 w-V/10 m
OR Roseburg	102.1	K271BL	62 w-H/17 m, DA; FC from 102.3
PA Allentown	94.7	W234AX	10 w/82 m, DA; CL from Northampton
PA Berwick	95.1	W236BN	10 w-V/29 m, DA
PA Clarks Summit	101.7	W269CF	20 w-H//79 w-V/12 m, DA
PA Honesdale	104.3	W282BF	110 w/34 m
SC Marion	95.3	W237BK	250 w/9 m; FC from 105.9 and immediately returns to . . .
SC Marion	105.9	W290BP	250 w/10 m
SD Deadwood	96.9	K245BD	200 w-H/7 m, DA; FC from 96.7; CL from Sturgis
SD Rapid City	106.7	K294BT	250 w/24 m; FC from 107.9
SD Yankton	99.7	K259BV	45 w/51 m; FC from 89.1
TN Coalmont	94.7	W236BT	45 w/17 m; FC from 95.1
TN Rural Rogersville	105.1	W286AN	38 w/4 m; CL from Mosheim
TX Dalhart	99.3	K257FC	170 w/100 m; FC from 98.9
TX Lufkin	88.5	K203EQ	250 w/43 m
TX Pampa	91.3	K217FW	92 w/67 m; FC from 91.9
TX Plainview	91.9	K220JM	41 w/88 m; FC from 92.3
TX Tulia	94.3	K232EE	100 w/60 m; FC from 94.9
UT Park City	100.3	KSFI-FM1	50 w/16 m
UT Saint George	102.3	K272EX	240 w-V/9 m, DA
VT Burlington	95.1	W236BQ	115 w/8 m
VA Crozet	101.1	W266BQ	195 w/15 m, DA; FC from 91.5
VA Danville	104.5	W283BN	250 w (adds H)/15 m; FC from 104.3
VA Martinsville	100.9	W265CA	10 w/37 m; FC from 100.5
VA Fredericksburg	88.9	W205CJ	3 w-H/5 m, DA; FC from 99.5
WA Redmond	97.7	K249DX	75 w-V/24 m, DA; CL from Medina
WA Vancouver	93.5	K228EU	95 w/38 m
WI Baraboo	99.7	W259BC	80 w/77 m
WI Clintonville	96.5	W296BE	10 w/9 m; FC from 107.1
WI Omro	101.5	W268BC	2 w-V/5 m
WY Lander	107.7	K299BC	250 w/9 m
WY Pinedale	88.7	K257DP	140-V/7 m, DA
WY Rawlins	90.9	K269EG	207 w-V/46 m, DA
WY Wheatland	92.7	K224DT	250 w/25 m; FC from 92.1

- TECHNICAL CHANGES -

- CONSTRUCTION PERMITS GRANTED -

(antenna heights are AGL)

AL Haleyville	101.9	W270BW	250 w-V/11 m
AL Montgomery	107.5	W296BX	CP Mod: 250 w/93 m; FC from 107.1; CL from Alexander City
AK Sitka	91.9	K220FY	85 w/30 m
AZ Fort McDowell	95.9	K240BD	200 w-V/15 m, DA
AZ Lake Havasu City	102.3	KJJJ-FM2	1 kw-H/12 m, DA
CA Bakersfield	95.7	K239BB	1 w/9 m
CA Redding	92.9	K225AJ	CP Mod: 10 w/20 m, (drops DA)
CA Woodland	104.7	K284AG	10 w/25 m
CO Telluride	94.7	K234AV	10 w/15 m, (drops DA)
GA Winder	96.5	W243CE	9 w (adds H)/50 m
IL Decatur	98.3	W252AR	250 w (adds V)/22 m



IN	Edinburgh	91.7	W219DO	19 w/41 m ; FC from 102.5
IN	Rushville	98.7	W254AP	CP Mod: 250 w/ m, DA; FC from 98.3; CL from Milroy
KY	North Corbin	99.1	W253BC	250 w/46 m; FC from 98.5
KY	Paducah	93.9	W230BN	50 w (adds H)/108 m; FC from 93.7
LA	Baton Rouge	103.7	K279AL	CP Mod: 19 w-V/80 m; CL from Millerville
LA	Many	94.3	K232DF	250 w/42 m
LA	New Orleans	94.3	WTIX-FM1	6.5 kw/125 m, DA
MA	Gloucester	103.7	W279BQ	20 w/27 m
MN	Grand Rapids	107.9	W300BP	120 w (adds H)/29 m
NV	Apex	106.9	KONV-1	4 kw/17 m, DA
NH	Lancaster	99.9	W260BZ	90 w-V/6 m; FC from 99.5; CL from East Haven, Vermont
NY	Durham	97.5	W248BG	250 w/16 m, DA
NY	Forsonville	102.3	W272AV	10 w-V (drops H)/4 m, (to) DA; CL from Newburgh
NY	Schuyler Falls	105.9	W290AT	250-H/10 m, DA
NC	Dallas	98.3	W252BU	250 w/29 m
OH	Ashland	91.1	W216AH	55 w/64 m
OH	Zanesville	103.3	W277BV	CP Mod: 19 w/60 m
OK	Enid	100.1	K261DR	250 w/16 m
OR	Powell Butte	106.1	W291BL	CP Mod: 75 w-V/15 m, (to) DA; CL from Grizzly
OR	The Dalles	96.3	K242AX	75 w-V (drops H)/56 m, (to) DA
PA	Bloomsburg	98.9	W255BL	10 w-V/49 m
PA	Mountain Top	95.3	W237BI	77 w-H (drops V)/6 m; CL from Wilkes-Barre
PR	San Juan	103.7	W279BV	60 w/45 m
SD	Rapid City	97.5	K248BT	7 w/100 m; FC to 99.5
TX	Austin	99.7	K259AJ	250 w/142 m
TX	Hereford	93.3	K227BR	10 w/50 m; FC from 93.7
VA	Afton	98.9	W255CG	8 w/28 m, (drops DA) ; FC from 88.1
VA	Berryville	89.5	W208BL	10 w/25 m, (to) DA
VA	Crozet	101.1	W218BZ	195 w (adds H)/15 m, DA; CP from 91.5
WV	Keyser	107.9	W300BU	CP Mod: 50 w/15 m
WI	Appleton	101.7	W269CJ	55 w/55 m; FC from 101.5
WI	Chetek	94.7	W234BG	35 w/76 m
WY	Buffalo	93.7	KYTI-FM1	250 w-V/10 m, DA
WY	Buffalo	94.9	KZWY-FM1	250 w-V/7 m, DA

**- TECHNICAL CHANGES -**  
**- GRANTS FOR NEW STATIONS -**  
(antenna heights are AGL)

None

**- DISMISSALS -**

AL	Camden	102.3	WYVC	License Renewal	SC	Ehrhardt	91.7	-----	APP: new station
AL	Tuscaloosa	105.1	W287BM	APP: changes	SC	Reevesville	91.9	-----	APP: new station
AL	Tuskegee	91.5	-----	APP: new station	SC	Santee	91.9	-----	APP: new station
CT	Middletown	88.1	WESU	APP: CP Mod	SC	Summerton	91.9	-----	APP: new station
DE	Dover	98.7	W254AT	CP: changes	SD	Deadwood	96.9	K245BD	APP: changes RoA
FL	Lockhart Orlando	96.1	-----	APP: new station	TN	Knoxville	93.9	W290BN	APP: changes
GA	Union	96.3	W239BO	APP: changes RoA	UT	St. George	91.7	K219LJ	APP: changes
IN	Milroy	98.7	W254AP	APP: changes	VT	Hinesburg	95.1	W236BQ	APP: changes RoA
MD	Ocean Pines	105.1	W286BB	APP: changes	WA	Omak	91.7	K219KT	
MI	Harbor Beach	89.3	-----	APP: new station					APP: changes RoA
MT	Eureka	93.9	KZXT	APP: CP Mod	WV	Beckley	88.1	WJJJ	APP: changes
MT	Florence	88.7	-----	APP: new station					
				(S)					
NV	North Las Vegas	104.3	KFRH	CP for aux facilities					
NH	Littleton	94.7	W237CR	APP: changes					
NY	Cortland	88.9	-----	APP: new station					
				(S)					
NY	Hamilton	88.9	-----	APP: new station					
				(S)					
NY	Homer	88.9	-----	APP: new station					
				(S)					
NY	Marathon	88.1	-----	APP: new station					
				(S)					
NY	Solvay	106.9	WPHR-FM	APP: auxiliary facilities					
OK	Ponca City	99.3	KLOR-FM						
	APP: changes								

Violations Codes:

- 73.509 - Prohibited overlap
- 73.510 - Antenna systems
- 73.515 - Transmitter location not providing 60 dbu coverage over CoL
- 73.525 - TV Channel 6 protection
- 73.807 - Minimum separation requirements
- 73.872(c)(4) - Non-universal time-sharing agreement

73.7002 - Fair distribution of service on reserved band FM channels

(S) - settlement

\* - Petition for reconsideration has been filed

**- OTHERNEWS -**

AL	Opp	91.9	WJIF	Fined \$19,000 for not having required EAS equipment and not conducting tests
CA	San Clemente	107.9	KWVE-FM	Fined \$5000 for including commercial programming and an advertisement as part of a monthly required EAS test message transmission
CA	San Clemente	107.9	KWVE-FM	Is being simulcast on KGDP-660 Oildale
CO	Canyon Valley	100.5	K263AC	Granted renewal of license
CO	Steamboat Springs	97.7	K249AW	Granted renewal of license
FL	The Villages	103.3	WVLG-LP	License cancelled; call deleted
ID	Salmon	99.5	K257DJ	Fined \$500 for failure to file for renewal in a timely manner
IN	Columbia City	91.5	WJHS	Fined \$7000 for failure to file for renewal in a timely manner and

MT Kalispell	97.1 KALS	subsequent unauthorized operation of the station [this is a college station] Fined \$7500 (reduced from the original \$14,000) for failure to file for renewal in a timely manner and subsequent unauthorized operation of the station; this includes translator K257BR Polson.
OH Tiffin	88.9 WHEI	Fined \$7000 for failure to file for renewal in a timely manner and subsequent unauthorized operation of the station [this is a high school station]
OR Hood River	88.1 KHRV	License cancelled; call deleted
TN Wartburg	101.3 WECO-FM	Fined \$3000 for failure to file for renewal in a timely manner
WI Trempealeau	105.5 WFBZ	Fined \$8800 (along with its AM station) for not maintaining a 'main studio' as outlined in FCC regulations plus other violations

— NEWS ITEM —

The new Federal Communication Commission rule allowing AM stations to operate on FM translators in certain instances to fill-in coverage gaps goes into effect October 1. Publication in the Federal Register triggered the effective date. The changes, which broadcasters had asked for, are intended to help AM stations provide a good signal throughout their existing coverage areas and better serve the public. Not only do stations on the AM band face competition from higher fidelity sources of programming, including FM, satellite and Internet radio, but man-made interference sources have also multiplied, "creating a higher level of interference to AM signals at all hours," said the FCC in its decision. Previously, FM translators were only authorized to rebroadcast FM stations and other FM translators. The rule changes passed by the FCC in June (FCC 09-59) allow FM translators to rebroadcast AM radio stations within those stations' current coverage areas. In addition, AM stations with daytime-only facilities will be allowed to originate programming on such FM translators during periods when the AM stations are not operating.

\*\*\*\*\*  
 Thanks to Shawn Axelrod, Bruce Elving, Deane McIntyre, Radio World Online and Upper Midwest Broadcasting.com for updates.

If you hear any changes occur on your FM dial, share the news! 73

\*\*\*\*\*

## CONVENTION 2009!



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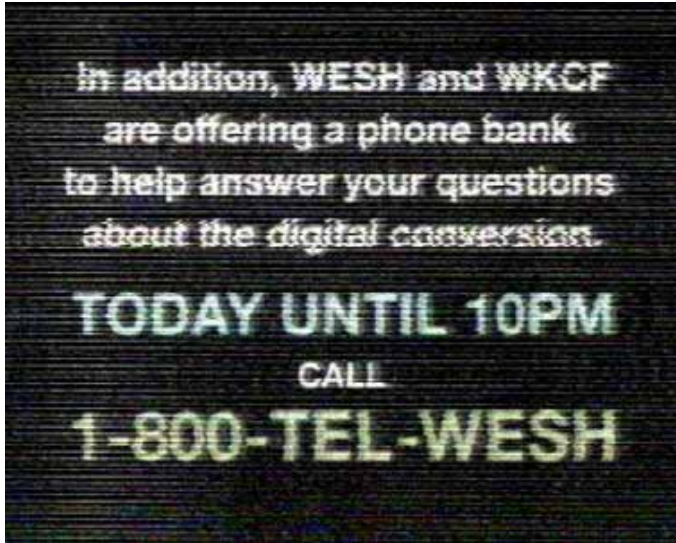
# PHOTO NEWS



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

October 2009

More great stuff from the files of Girard Westerberg of Lexington, KY. All receptions made using an Insignia STB with Delhi (Jerrold) VIP-307SR (VHF) and ChannelMaster CM-4228 (UHF) antennas.



WESH-2 Daytona Beach, FL  
650 mi Es seen 6/12/09  
@0945 ET



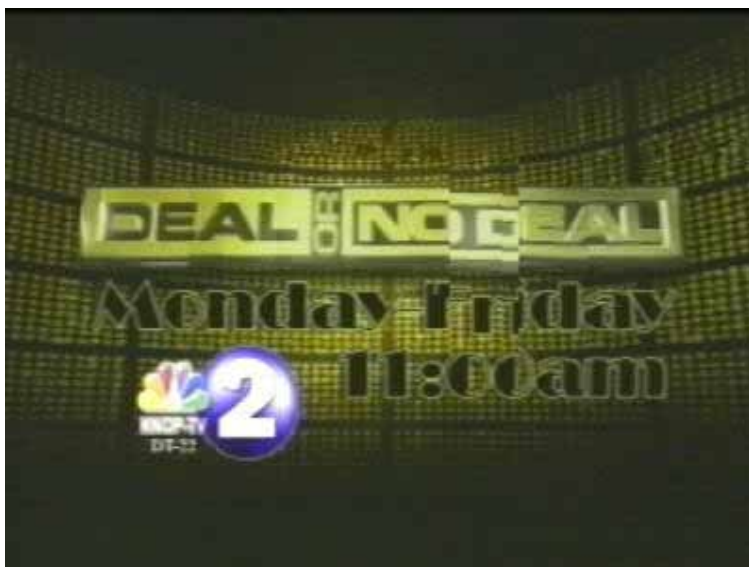
WPBT-2 Miami, FL  
867 mi Es seen 6/12/09  
@0930



XHPN-3 Piedras Negras, Coah  
1101 mi Es seen 6/12/09  
"WAVE-3 Off!"



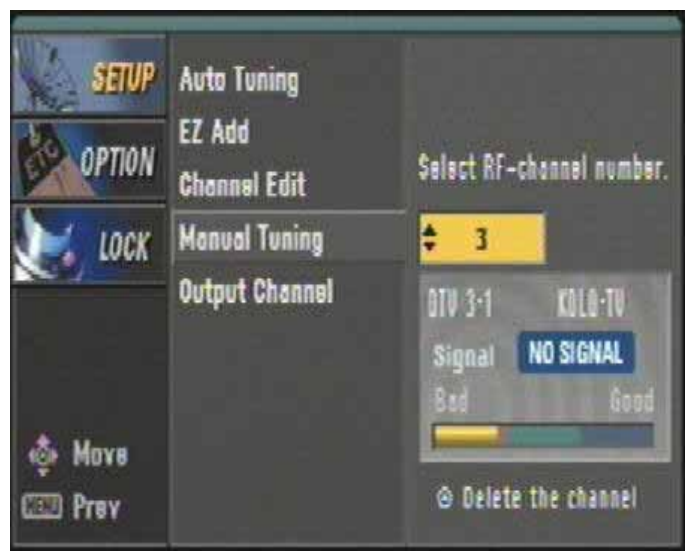
KPRC-2 Houston, TX  
858 mi Es seen 6/12/09  
@0915 ET  
*That looks familiar... - jk*



KNOP-DT-2 N. Platte, NE  
892 mi Es seen 7/6/09



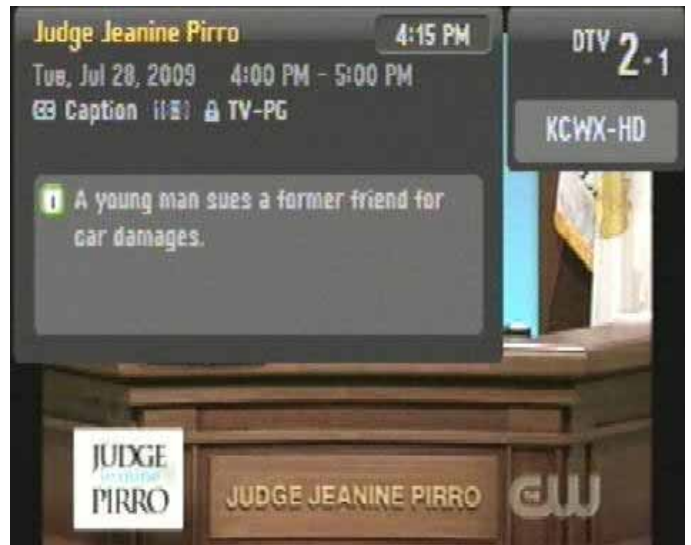
KOTA-DT-2 Rapid City, SD  
1062 mi Es seen 6/25/09



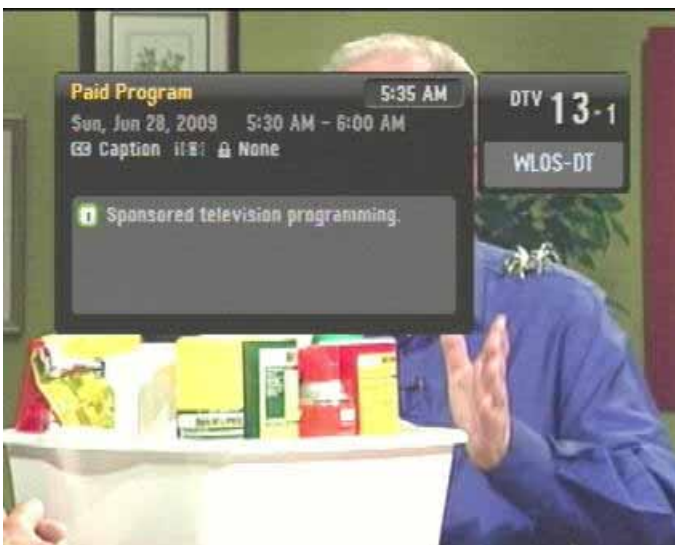
KDLO-DT-3 Florence, SD  
831 mi Es seen 7/2/09



KIVV-DT-5 Lead, SD  
1095 mi Ms seen 7/23/09  
Yes, that's correct – Ms - jk



KCWX-DT-5 Fredericksburg, TX  
972 mi Es seen 7/28/09

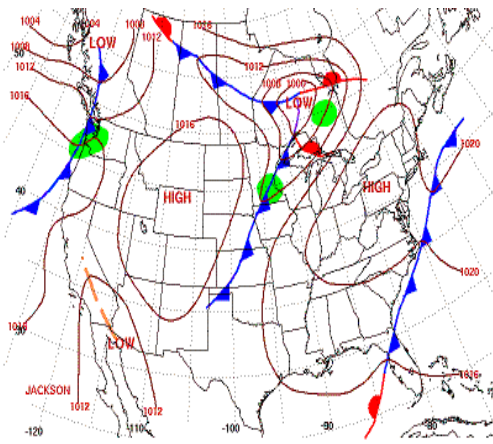


WLOS-DT-13 Asheville, NC  
200 mi Tr seen 6/28/09



WDBJ-DT-18 Roanoke, VA  
242 mi Tr seen 6/28/09

73's, JEFF



Surface Weather Map of 7:00 A.M. E.S.T.  
 A look at the weather map on August 25, when strong tropo occurred in the Great Lakes and Midwest (image courtesy of noaa.gov)

# Eastern U.S. TV DX

Featuring reports from AL, CT, DC, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, and WV, along with the Canadian Provinces of NB, NF, NS, ON, PEI, and PQ.

Send reports by the 15<sup>th</sup> of each month to:

Nick Langan  
 1040 Riverview Drive  
 Florence, NJ 08518  
 E-mail: nickl@wtfda.org

## The Editor's Note

One of the top tropo openings of the decade, arguably of all time, occurred August 24-25 in the Great Lakes and Midwest. Paths were wide open from as far east as Quebec, into Missouri, Illinois, and even Arkansas, Kansas, and Oklahoma. Some of the distances logged were into typical e-skip range! While FM seemed to contain most of the activity and the action almost totally eluded UHF, there were still plenty of impressive logs. Jeff Kadet logged CBFT-2 Montreal at 928 miles (see his WTVDX report for more), and there were successful DTV decodes of WHBF-4 in Illinois from William Hepburn in ON and Jim Pizzi in NY.

It is that time of year, when indian summer conditions can lead to long-haul tropo. We'll look for more activity into the first few weeks of October.

### Robert Grant (N8NU)

231 E Temperance Rd. Temperance, MI 48182  
[Rg3d@yahoo.com](mailto:Rg3d@yahoo.com)

Temperance is in SE corner of MI. (EN81fs)  
 Primary System: Sylvania (Funai) 6427GFF TV w/integral SDTV tuner.

Channel Master Advantage 3020 on chimney at about 33'

All times EDT

Some cities misspelled for space concerns.

All stations logged are ATSC digital unless marked with system identifier.

A → NTSC analog, Americas channels

No "DT" suffixes shown as they have been officially discarded.

p → Denotes ID of DTV station only by PSIP, no content seen/heard.

8/15 Tr

2330 WGRZ 33 NY Buffalo FN02 264

WJET 24 PA Erie EN92 180

2348 WKAR 40 MI E Lansing EN72 78

(Cleveland, Lansing extremely strong)

8/24 Tr

2115 CIII A6 ON Paris EN93 188

unIDs A2, A3, A4

WHBF t 4(IA)Rock Island, IL T

nothing noted on high-V or UHF

8/25 Tr

2045 WGN 19 IL Chicago EN61 211

8/26 Tr (All zc)

0045 WNIT 35 IN So Bend EN61 137

WSBT 22 IN So Bend EN61 139

KWQC p 36(IL)Davenpt,IA EN41 356

WQAD 38 IL Moline EN41 356

WTTW p 47 IL Chicago EN61 211

0106 WLWT 35 OH Cincinnati EM79 190

WKOI 39(OH)Richmnd,IN EM79 167

WIPB 23 IN Muncie EN70 151

WSTR 33 IN Cincinnati EM79 185

Dayton 16 26 30 50 51

0125 WHIZ p 40 OH Zanesville EM99 152

WPTO p 28 OH Oxford EM79 191

0130 WKRC 12 OH Cincinnati EM79 191

0135 WCET 34 OH Cincinnati EM79 190

9/2 Tr

0115 WFWA 40 IN Fort Wayne EN71 97

0615 unID A22 Movie in German

2200 WMNOCA A22 OH Bucyrus EN80 74

(call change – ex-WBKA, ID as

"channel 22 Marion")

2245 WCLLCA A19 OH Columbus EM89 129

9/5 Tr

2215 WOHL-CD 35 OH Lima EM70 78

(first LD from Temperance)

9/7 Tr (zc)

0208 WBNX 30 OH Akron EN91 100

(Finally !)

9/10 Es

2150 uniD A4 ads w/SS graphics

Tentative México

Alternate receiver:

zc Zinwell ZTA-970A CECB, CM 3020

**Says Robert:** "Things usually slow down here this time of year, and this year was no exception

Overall, tropo season 2009 has been disappointing. The one highlight for many DXers (especially FM DXers) was the historic tropo opening that stretched from Kansas to Québec. I had little success with this opening. The earlier part of the opening was very much a low band VHF event, with strong hypersnow on 4 almost certainly WHBF (it was seen near Toronto), but I had too much RF noise even over the chimney to get the station. I missed the boat on the latter part, thought the (contd. on next page...)"

opening was dead, when it was actually "choppy", When I did hook up the Zinwell, I got my best distance Tr DTV from Temperance with KWQC and WQAD (tied – as they transmit from the same tower). On many of these loggings, PSIP came to the rescue.

One would not think a full-service station only 100 miles away should have presented a challenge, but WBNX had the cards stacked against it. Having WGTE analog on the same channel in about the same direction at 9 miles, and, as far as I know, NEVER a silent period in the last several years, pretty much meant I would have for WGTE analog shutoff (which did arrive 2-17-09, see it on YouTube), but WBNX's direction pattern, and other DTV stations on 30 (WEYI, WRGT) continued to block them. Adjacent channel interference from WGTE DT on 29 may also have been a factor. I picked up WBNX only in a 1-degree-wide rotator setting "window".

I really gotta get my lowband antenna in the backyard (away from the RFI) and upgrade my UHF!"

**James N. Pizzi**

100 County Road 28  
Palmyra, NY 14522-9440  
(315)597-5898

Delhi VP-307 SR-VHF  
Winegard PR-9032 w/PA 4975 Preamp UHF  
Approx. 20' AG 600' ASL  
Emerson 12" BW w/detent v/u Tuners circa 1983  
RCA 27" color circa 1994  
FM Filters (2) + Tuneable FM Trap (to get Ch. 6 OK)

8/7 Tr

2300 unID 12 SSW/210 deg. Zero offset CCI u/CHEX

8/12 Tr

1015 WQLN-DT 50 PA Tent.

8/12 2Es

2026 XEPM 2 Juarez tu Canal to 2110, 1776 mi. w/Cowboy Movie

8/13 Tr

0900 unID 22NNW/350 deg. Zero offset CCI u/CHEX TV-2

8/14 Tr

0041 W21BW 21 Elmira, NY 3ABN

0100 WHSU-CA 51 Syracuse, NY

Shopping ch. u/o W51CV Utica, NY

8/15 Tr

0840 CBOFT-DT 22 ON Very strong

0845 CFMT-DT-2 27 ON Omni 1 HD

0910 4, 7, 8, 42 Binghamton, NY

0912 CBOFT 9 ON Analog snow free

8/16 GW

1038 W42CO-D 42 Rochester, NY Flash cut TCT

8/18 Tr

2100 CKXT-DT3 20 Ottawa, ON No video, off back of antenna

8/22 Tr

1005 W31BP 31 Burlington, NY

Infomercial-G2

1028 WIVT-DT 34 NY Ex. Ch. 4, no video

8/25 Tr

0910 WRGB-DT 6 NY Decode – no video

1018 WHBF-DT 4 IL Decode – no video, WHBF-4 in for over 2 hours, but no video

1241 unID 12 WSW DTV signalChicago? Iowa?

1258 unID 8 WSW DTV signalOhio?

1310 unID 51 WSW DTV signalGary, IN?

1848 unID 9 WSW DTV signal

2029 WCAX-DT 22 VT Decode

2035 WPTZ-DT 14 NY Tent.

8/27 Tr

0915 WJBK 7 MI Decode, WJBK-HD 305 miles

0920 WWJ 44 MI Tent., signal-no decode

0923 WXYZ 41 MI 7.1 WXYZHD

7.2WXYZDT 7.3WXYZWX 306 miles

0926 WTVS 43 MI 56.1WTVSHD

56.2WTVSSD 56.3WTVSSD2

0944 WICU 12 PA Tent. Signal, no decode

0953WMYD 21 MI Tent. Signal, no decode

9/1 Tr

2315 12, 26, 34 & 50 Albany, NY Signal – no decode

9/2 Tr

0510 WRNN 48 NY 48.1 WRNN-1, 48.2 WRNN-2, 201 miles

0515 WTBV 27 NY Tent. Signal, no decode

0529 WPIX 11 NY Tent., Signal, no

decode

0814 WCAX 22 VT Decode

0814 WPTZ 14 NY Tent., Signal, no

decode

0908 WFFF 43 VT Tent., Signal, no

decode

0916 WONO-CA 11 NY Heavy 10 kz CCI from CKWS-11

0935 unID 31 NY w/Shepherd's Chapel religion, maybe W31BP

0958 WNYT 12 NY Decode

1004 WMHT 34 NY Decode

1004 WYPX 50 NY Decode

1005 WTEN 26 NY Decode

9/3 Tr

0929 W59AU 59 Utica, NY //WCNY-PBS

0930 CIII-6 6 ON Global

2219 CJMT-DT-2 ON Decode, no video, 174 miles

9/4 Tr

0950 CJFP 35 QC //CFGS-34 ON, 250 miles

0951 CFCF 12 QC CTV, near snow free, 250 miles

1000 CHLF-2 39 QC FF Childrens program, 214 miles

1006 CBMT 20 QC Tent., signal, no lock

2118 WNYT 12 NY Solid, 13.1 WNYT-HD

13.2 WNYT-WX 13.3 WNYT-SD

2120 WNYA 13 NY Tent., corrupted by WHAM

2127 WTEN 26 NY Solid, 10.1 WTEN-HD, 10.2 WTEN-SD, 10.3 RetroTV

2128 WMHT 34 NY Solid 17.1 WMHT-HD

17.2 WMHT-SD 17.3 WMHT-SD

2129 WCWN 43 NY Solid 45.1 WCWN-HD

45.2 WCWN-US

2215 WYPX 50 NY Signal, no lock

No sign of WRGB-6

**Says Jim:** "A nice finish to the summer Es season on 8-12. Trops has been OK-with an exceptional day on 8-25 and very good on 8-27 and 9-2. Hope it continues for everyone---Jim"



# Western U.S. TV DX

Featuring reports from AK, AR, AZ, CA, CO, HI, IA, ID, IL, LA, KS, MN, MO, MS, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WI, and WY, along with the Canadian Provinces of AB, BC, MB, SK, and YT.

Send reports by the 15<sup>th</sup> of each month to:  
 Nick Langan  
 1040 Riverview Drive  
 Florence, NJ 08518  
 E-mail: [wtdx@wtfda.org](mailto:wtdx@wtfda.org)

## The Editor's Note

As mentioned in this month's ETVDX, a major tropo opening occurred on August 24-25 and stretched from the Great Lakes into several states in the Midwest. Jeff Kadet logged a bunch of Canadians, including an incredible catch of CBFT-2 Montreal at 928 miles. Jeff's report below covers what he received in that historic opening.

Other than August 24-25, tropo has been generally quiet away from the Great Lakes. Things look to pick up in the plains and Texas as we continue to head into Autumn.

In addition to Jeff Kadet, Dennis, Jeff Kruszka, Don, and William contribute inside this column of WTVDX.

### Jeff Kadet, K1MOD, Box 20, Macomb, IL 61455

<http://www.oldtvguides.com/DXPhotos/>

A very memorable Canadian opening including QC as a new tropo Province at 928 miles, on channel 2 no less.

It was very, very strange seeing Canadians on chs. 2-13 all at the same time (except for WLFM-LP blocking ch. 6).

Only "complaint" is that tr never really got into UHF until the third day. VHF full of Canadians was an all-day event on the 25th. Signals were weak but consistent.. CBFT-2 was in well for at least 45 minutes in narrow FM on the Icom R71000.

#### New analogs:

Call	Freq	State	City	Date	CDT time	Mileage	Notes
CKNX	8	ON	Wingham	8-24-09	2242	534	tr
*CKCO2*	2	ON	Warton	8-24-09	2245	575	tr (prev. by Es)
*CKVR*	3	ON	Barrie	8-24-09	2250	622	tr (prev. by Es)
*CBLT*	5	ON	Toronto	8-24-09	2302	620	tr (prev. by Es)
*CIII2*	2	ON	Bancroft	8-25-09	0223	753	tr (prev. by Es)
*CICI*	5	ON	Sudbury	8-25-09	0545	636	tr (prev. by Es)
CJOH8	8	ON	Cornwall	8-25-09	1745	866	tr
CKWS	11	ON	Kingston	8-25-09	1821	768	tr
*CBFT*	2	QC	Montreal	8-25-09	1935	928	tr (prev. by Es)

#### New DTVs:

Call	R.F. Channel	State	City	Date	Local Time	Miles	State/Notes
KNOP-DT	2	NE	North Platte	Aug 12, 2009	1915	528	Es #12
WEAU-DT	13	WI	Eau Claire	Aug 15, 2009	240	292	ex. ch. 39
WAOW-DT	9	WI	Wausau	Aug 15, 2009	350	313	ex. ch. 29
KQFX-LD	22	MO	Columbia	Aug 15, 2009	457	154	11.8 KW
WXFT-DT	50	IL	Aurora	Aug 18, 2009	115	188	ex. ch. 59

WACY-DT	27	WI	Appleton	Aug 18, 2009	325	302 ex. ch. 59
WBME-DT	48	WI	Racine	Aug 18, 2009	825	216
WWTV-DT	9	MI	Cadillac	Aug 24, 2009	2315	373
WSBT-DT	22	IN	South Bend	Aug 25, 2009	147	246
WPTD-DT	16	OH	Dayton	Aug 25, 2009	2000	344 ex. ch. 58
WGTE-DT	29	OH	Toledo	Aug 25, 2009	2347	387
WCWW-LD	27	IN	South Bend	Aug 25, 2009	2357	246 15 KW
WMYS-LD	23	IN	South Bend	Aug 26, 2009	5	246 15 KW
WMYD-DT	21	MI	Detroit	Aug 26, 2009	143	407
WFMJ-DT	20	OH	Youngstown	Aug 26, 2009	207	527
WVPX-DT	23	OH	Akron	Aug 26, 2009	207	478
KHBS-DT	21	AR	Ft. Smith	Aug 26, 2009	310	431
KWBM-DT	31	AR	Harrison	Aug 26, 2009	318	320
KOED-DT	11	OK	Tulsa	Aug 26, 2009	321	409
KOTV-DT	45	OK	Tulsa	Aug 26, 2009	325	409 ex-ch. 55
KAUT-DT	40	OK	Oklahoma City	Aug 26, 2009	337	500
KFTA-DT	27	AR	Ft. Smith	Aug 26, 2009	348	310
WBNS-DT	21	OH	Columbus	Aug 13, 2009	314	404
WBGU-DT	27	OH	Bowling Green	Aug 26, 2009	443	358

I had one mystery unID. Anybody know what it was? It was audio on ch. 13+ at 0046 CDT on the 24th repeating NOAA wx stations WXJ 58 in Fort Wayne, IN and WXM 98 in Marion, IN.

73, Jeff

**Dennis Park Smith**

3605 Sam Remo Drive  
 Santa Barbara, CA 93105-2523  
 Tel: (805)687-7803  
 Times 24-hour PDT

This report is for August 2009. Mid month, in SBarb, there was CLOSER-distance tropo enhancement over hills (Los Angeles area) with FURTHER-distance tropo over ocean (San Diego-Tijuana) less and not so much in the way. Here are the month's southern-Calif coastal tropo conditions SBarb to SDiego-Tij up to 200mi/320km:

Jul 29-31	Very poor (inversion getting higher..)
Aug 1-3	Very poor (..and not as hot inland)
Aug 4-5	Variably poor-fair (some more heat)
Aug 6-7	None (some cooling inland)
Aug 8-19 am	Var. very poor-poor
Aug 19-26	Out of town: <u>LAS CUMBRES</u>
Aug 27-28	Var. very poor-poor (as before)
Aug 29-3	Poor to fair (heating up again)

All loggings are Calif. New underlined. 'd' before channel numbers are DTV; all others analog (Doug Smith's DX tip).

Aug 11 tr 0835 Don V's place, SBARBARA  
KTBN-TV d23 Santa Ana/L.A. TBN 90 E  
KFTR-DT d29 Ontario/L.A. Telef 90 E  
 They both transmit from Mt. Wilson.  
 They were seen for only a few seconds.  
 SBarb DTV total is now 44 (2 new).

At LAS CUMBRES in Santa Cruz Mtns once again (last time was Aug 2008) visiting aunt on Aug 19-26

in house at apx 2650 ft ASL with clear southern panoramic view, with my LG 20" flat-screen & indoor ears & 2-bay bow-tie at windo. 17 DTV stns were seen this time along with 21 LP analog signals. There were some new DTVs on nearby and new tropo, too. Here are selected sightings:

Aug 19-26 some locals & regulars	apx mi
<u>KSBW</u> d8 ex-d10 Salinas NBC	45 SE
<u>KYMB-LD</u> d27 Monterey This	55 S
<u>KCSO-LP</u> 33 Sacramento Telem	100 NNE
<u>KTFF-LP</u> 41 Fresno Telef	150 E
Aug 24-25 irregular over mtn	
<u>KAXT-LD</u> d42 Santa Clara	40 N
(12 subchannels + 3 audio-only ch's!)	
Aug 20 & 23 tropo mornings	
<u>KCOY-TV</u> d19 Santa Maria CBS	190 E
Aug 22 tropo morning & eve	
<u>KSBY</u> d15 San Luis Obispo NBC	150 E
Aug 24 tropo, 1 <sup>st</sup> 0238, others after sunrise	
<u>KPMR</u> d21 Santa Barbara Uni	225 SE
<u>KXTV</u> d10 ex-d61 Sacramento ABC	80 NNE
<u>KCRA-TV</u> d35 Sacramento NBC	80 NNE

Best of DX to All Dennis

**Jeff Kruszka**

1909 Lost Lake Pl.  
 Pearland, TX 77581

May 2009

2 Es 1234 unid 3,4 SS			
1308 WAVE	3	KY	ID taped 836
1710 WFOR	4	FL	959
1715 WJXT	4	FL	822
24 Es 1729 WBTV	3	NC	918



June 2009

9	Es	1948	unid 4 SS		
11	Es	2150	unid 4 CCI		
12	The end of analog – many one-time catches today				
tr	0725	KRGV	5 TX	287	
	0728	KTRE	9 TX local DTV off	130	
	0730	WAFBt	9 LA CBS	249	
	1800	WKRG	5 AL local DTV off	451	
	1807	WALA	10 AL ID slide	452	
gw	1947	KUHT-DT	8 TX	7	
		KHOU-DT	11 TX	7	
		KTRK-DT	13 TX	7	
		KRIV-DT	26 TX	7	
		KPXB-DT	32 TX	7	
		KHLM-DT	43 TX	7	
tr	2107	KATC-DT	28 LA	184	
	2145	WNOL-DT	15 LA	328	
	2149	KPLC-DT	7 LA	154	
	2150	WAFB-DT	9 LA	249	
	2153	KLFY-DT	10 LA	193	
		KBMT-DT	12 TX	100	
	2158	WDSU	6 LA	314	
	2202	WWL	4 LA KBTv off	314	
gw	2213	KVQT-D	21 TX	7	
tr	2214	KETK-DT	22 TX	171	
	2246	XERV	9 TAM	295	
		XHREY	12 TAM	295	
	2259	WUPL	54 LA still on!	334	
	2314	WLAE-DT	31 LA KHOU-DT off	328	
gw	2319	KNWS-DT	47 TX	6	
tr	2336	KLRN	9 TX	186	
13	tr	????	WMAU-DT 18 MS psip overnight	303	
	1011	KTBS	3 LA	231	
gw	1019	KXLN-DT	45 TX	7	
Es	1838	WKYC	3 OH	1114	
tr	2354	KTBS-DT	28 LA	231	
	2355	KFXK-DT	31 TX	187	
14	tr	0026	KWBU-DT 20 TX	167	
15	tr	0712	KTRE-DT 15 TX	130	
17	Es	1955	KYW 3 PA	1341	
		tr	2048 KATV-DT 22 AR	398	
18	Es	1845	WTVJ 6 FL	955	
		1855	Cuba 3 CU		
		1931	KTVK 3 AZ	1014	
19	Es	1754	WJMNt 3 MI		
22	Es	1740	WRC 4 DC	1225	
25	tr	2210	KZTV-DT 18 TX	173	
		2215	KORO-DT 27 TX	188	
		2250	KGBT 4 TX	283	
			XHAB 7 TAM	287	
			XERV 9 TAM	295	
26	Es	1900	WJMN 3 MI	1228	
27	tr	0000	KLRU-DT 22 TX	153	
		0020	KNIC-DT 18 TX	195	
July 2009					
4	tr	2117	KRGV 5 TX	287	
			KGBT 4 TX	283	
			XERV 9 TAM	295	
5	tr	0128	WVUE-DT 29 LA	323	
Es	0948	WTAE	4 PA	1148	
		1033	unid DTV 3,5		
		1041	WYFF 4 SC calls UR	831	
		1048	WRAL 5 NC logo LL	1058	
	tr	1151	KVUE-DT 33 TX	153	
7	Es	0914	unid 3 SS		
		1854	CIII 6 ON Global	1253	
		1858	WTAE 4 PA	1148	
		1902	WTTG 5 DC ID	1225	

8	Es	1853	XHBC	3	BCN Tu Canal	1212
12	Es	0933	XEWO	2	JAL KPRC gone!!!	793
		1529	XHQ	3	SIN ID	813
		1722	XHGV	4	VER rtv	720
		1737	XHP	3	PUE 3tv	749
		1746	XHFM	2	VER tele ver	718
		1820	XHP	4	PUE	800
17	Es	1849	TGV	3	GU	1076
24	tr	2216	KENS-DT	39	TX	174
25	Es	1127	unid 2-4 SS			
26	Es	1749	TGV	3	GU BIG ID	1076
		1758	YSU	4	ES logo	1163
		1829	YSR	2	ES logo	1163
		1842	HRCV	3	HND logo	1186
27	Es	1807	XHFM	2	VER	718
		1847	XHP	3	PUE	749
		1849	YNFA304	4	NIC logo	1335
		1900	XHGV	4	VER rtv	720
		2247	XEWO	2	JAL TVT	793
28	Es	1721	KDLO-DT	3	SD psip	1069
		1750	WBRA-DT	3	VA 15-3 "World"	1022
		1800	Telerebelde	2	CU	915
		1808	Cuba Vision	3	CU	1080
			Cuba Vision	6	CU	915
		1816	Telerebelde	4	CU	1230
			Telerebelde	5	CU	1080
29	Es	????	WOI-DT	5	IA psip unattended	850

Lots of fun stuff since the end of analog on June 12 (and the end of KPRC-2 on July 12 - yea!!). Thanks to Danny's website for helping ID lots of Latin American logos.

73's, Jeff

Don Voegele sent us this report:

"hi nick + mike,  
 (via jim pizzi + from wm hepburn:  
 thank you for the notice of chek tv 6 victoria surviving.)

rabbit ears provide a clear signal here. i video taped some of their special programming on 31 aug. i like their local/ regional programming. the high victoria community spirit worked to help chek stay on the air.

i am just back from bicycling in n idaho. the former milwaukee railway is now a dedicated non-motorized path. i had a wonderful time.

and on return chek tv is still there. indeed their news now is at 10 pm.

cheers, don v  
 ps. william, i am originally from near niagra falls, ny state. tv-dx was a way to receive more than one channel. cblt tv6 toronto was a prime target."  
 i never have seen khcv in bellingham."

**William Draeb**

1304 Ellis St.  
Kewaunee, WI 54216

A bunch of new ones, especially towards the end of the month. Thanks to an opening to the east.

8/2 Tr

1929 WGBO-DT 38 From 53

1950 WWUP-DT 10

1955 WBBM-DT 12 and others

8/4 Tr

1820 WFQX-DT 32 From 47. Identifying as "FOX 32". No more "FOX 33" ID.

2005 WFUP-DT 45 First time noted with "WFUP" ID.

8/5 Tr

2000 W52DB (WXMI-17 xltr)

WBND-LP 57 Snowfree

WMYS-LP 69 Snowfree

+WOOD-TV LPTVs and xltr W46DD

8/10 Ms

1915 unID-2 E Hockey game

8/12 Tr

2130 WWUP-DT 10

WBBM-DT 12

2137 WOOD-DT 7

8/13 Tr

1937 WNDU-DT 42

2005 WYGN-LD 10 3ABN English. 3ABN

Spanish on 10.2

8/17 Tr

1135 WITI-DT 33 Noted with "RTN"

programming on 33.2

2100 WLEF-DT 36

8/13-8/17

Strong overload problems from stations on Lake Michigan. Some stations coming in one more than one channel. For example: WFLD on 31+32.

WTTW on 47+11, etc.

8/20 Tr

1815 WCMV-DT 17 No programming on

17.1, just ID slide. It looks like WCMV-DT 17 moved xmtr. further north closer to Traverse City.

1820 WCMU-DT 26 Same as above on 26.1

8/23 Tr

1900 WLEF-DT 36

1910 WBUP-DT 10

WNMU-DT 13

1930 WWUP-DT 10

1944 WWMT-DT 8

WOOD-DT 7

WZZM-DT 13

8/24 Tr

0635 WEXI-DT 30 Brief pix for a few secs.

0640 WAQP-DT 48 Brief pix for a few secs.

0708 WNEM-DT 22 Brief pix for a few secs.

2058 WCMW-DT 21 only 60 mi. away but usually wiped out by WIWB-DT 21

8/27 Tr

0525 WLAX-DT 17 off the back of dish

WEUX-DT 49

Wausau-Rhineland 7,9,16,24,31

0845 WAQP-DT 49

0855 WLNS-DT 36

WLAJ-DT 51

WPXD-DT 31

0910 WGVK-DT 5 My first low band DT

station

0915 WWMT-DT 8

WOOD-DT 7

1045 WILX-DT 10

1100 WSMH-DT 16

1104 WNWO-DT 49

1105 WEWS-DT 15 In for a few minutes

1110 WKBD-DT 14

1125 WUPW-DT 36

1133 WFUM-DT 28

It looks like that's the end of DX for this month. The high temp. today is supposed to be 59 degrees with clouds and drizzle. 73.

Bill

**More Eastern TV DX...**

Mike Bugaj – 69 Sherman Road, Enfield, CT 06082  
Winegard PR-5030, Winegard PR-9032 w/amp.

6/28 Es

1739 WYFF 4 SC New, NL

1746 WRCB 3 TN New, NL

1754 WTVF-HD 5 TN Decoded

1846 TVES 3 VEN woman speaking

6/29 Es

1704 CJBR 2 QC Z offset Simsons@1714

1744 CHAU1 3 QC TVA logo L.R.

1915 WUNC 2 NC NL

6/30 Tr

0650 WVTA 24 VT "VPT24" decoded

0900 WRAL 5 NC NL

7/2 2Es

1855 YNTC 2 NIC, distinctive 2 logo, 2212 miles

7/6 Es

1618 WHBF 4 IL solid decode with news

2015 WBRA 3 VA decode w/video

2117 KPRC 2 TX NL, scrolling msg, calls

7/8 2Es

1947 XHRIO 2 NL "Friends" 1802mi

7/9 2Es

1800 XHBC 3 BCN Mexicali, see my YouTube site for audio and video 2421mi, my record.

7/15 Es

1900 HIJB2 2 DR See my YouTube site for video of this. The ID is there.

7/16 Tr

2137 WNYE-LP 15 NY movie and ads

7/27 2Es

2030 XEWO 2 JAL Baseball game with SS ancrs but NESN EE ancrs under it. Good audio on TV and the scanner. Some video seen

7/28 Es

2029 WDVZ-CA 3 AL ThisTV Chuck Norris movie

2220 WUVM 5 GA Azteca America

7/29 Es

1615 KNOP-DT 2 NE decoded at 1455mi

1656 KSNB-DT 4 NE decoded w/Judge Judy

## 6 Meter/2 Meter Amateur DX



50 Mhz  
The *Magic* Band

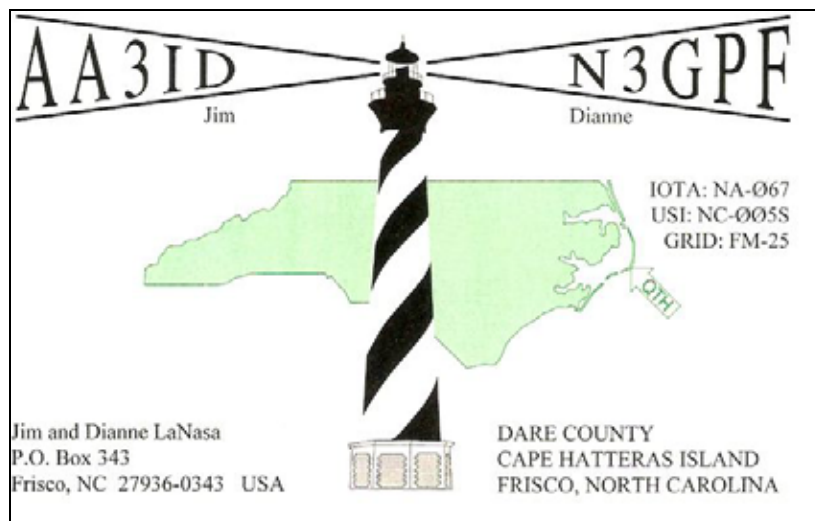


Peter Baskind, N4LI  
3225 Forest Hill-Irene Rd  
Germantown, TN 38138  
N4LI@ARRL.net

It's over. The Summer 2009 sporadic-E ( $E_s$ ) has come and gone. As I think most of us would agree, the season started slowly. Fortunately, it picked up late, and ended nicely.

For me, the highlights of the second-half of the season were a couple of very nice 2 meter (144 MHz)  $E_s$  events in July. A 20-minute opening on July tenth netted a new 2m state, AZ, with two contacts into **DM41** with KS7S and W7CI. Though the footprint of this opening was quite narrow, I did also squeeze out a contact with K7ICW/**DM62** in NM, only my second band contact into The Land of Enchantment.

There was a very impressive  $E_s$  opening on the afternoon of July 29<sup>th</sup>. For those in the upper Midwest, it bordered on the historic, with intense signals lasting for a couple of hours. Here in Memphis, the duration was shorter and the signals lighter, but I still managed to eek out one new grid with AA3ID, in rare **FM25**, most of which is in the Atlantic Ocean off North Carolina.



As July gave way to August, the remaining sporadic-E was inconsequential.

August brought a surprising and notable tropospheric ducting opening. Again, the guys in the upper Midwest were in the sweet spot. Distances worked by some were simply stunning – one operator in Kansas City worked another in Maine, a distance of over 1300 miles! Here in EM55, like the July 29<sup>th</sup> opening, I was on the fringes. My best 2m contact was N8LIQ/**EN56** at 769 miles. In that same opening, I also logged new grids **EN31**, **EN43**, and **EN54**. At about 700 miles, EN34 was a new grid via tropo; I had worked it previously via  $E_s$ , but failed to get a card returned.

Since that opening, things have been quiet here in the middle of the country. Along the East Coast, however, there was some impressive tropo in September. Early in the morning UTC on the 22<sup>nd</sup>, VHF operators along the Eastern Seaboard were busy with downcoast contacts. The most impressive logging I saw on the Internet cluster was from FN43 in Maine to Southern Georgia. That's a long haul, indeed.

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## Loggings

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**Bill Smith, W1OW, 56 Locust St., Douglas, MA 01516 FN42**

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June 1, 2009

Opening to the lower Midwest; new stations worked

0128	KE5QVN	EM54	0159	KD4MPN	EM55
0134	W5ZN	EM45	0207	KE5EWB	EM53

June 5, 2009

Opening to the south with the usual stations heard. Worked K2CK/C6A/FL15 @ 1406.

June 7, 2009

Good opening to the Caribbean. Worked YV6BFE/**FJ78** @2232; 9Y4RX/FK90 @ 2238.

June 11, 2009

Opening to Brazil. Worked PU8TEP/FJ92 @ FJ92; also heard PV8AZ, PV8ADI in same grid. Band later opened to Midwest:

2335	N9SW	EN51	2340	K8MEM	EN82
2335	N8ZL	EM99	2344	KA9IIE	EN61
2337	N8SIX/m	EN82	2344	AH6EZ/W9	EN51
2339	W9ILY	EN61	2359	VE3PTC	EN82

June 26, 2009

Opening to Europe and later Caribbean. I have noted:

1050	ZB3B	IM76	1502	WP2B	FK77
1157	CT4NH	IN51	1920	MM0BQN	IO75
1234	F5QT	<b>JN03</b>	1938	G4RRA	IO80
1237	F6KHM	IN78	1954	8R1DB	GJ06
1239	EA1ASG	IN51	2359	EI7IX	IO53
1500	V29JKV	FK97			

June 27, 2009

Band opened to West Coast – only time I have noticed this year.

0016	VE7CC	CN89	0027	W7CE	CN87
0018	N7BAV	CN95	0032	KD7TJC	<b>CN86</b>
0023	KE7SW	CN87	0108	K7YDL	CN85

June 28, 2009

Good opening to the Caribbean. New stations worked:

2205 FM1FV      FK94                      2340 5J0BV      **EK92**  
2218 PJ2LS      FK52                      (Country #96, San Andres Is.)

June 29, 2009. Short skip to Northwest. Nothing new.

June 30, 2009. Worked VO1TA/p GN28 @2225, then briefly, the Midwest.

July 2, 2009. Opening to Central America. Worked TI5KD/EJ79 @ 1331.

July 3, 2009. Better opening to Central America. Worked HR2DMR/EK65 @ 2217.

July 5, 2009. Opening to Southwest. Worked:

2315 N5SJS      EM01                      2333 WB5OAQ      EM45  
2322 W3XO/5      EM00

July 6, 2009. Open again southwest. Worked N5XO/EL09 @ 2220;  
WX5W/EL09 @ 2240.

July 7, 2009

Opening to Caribbean and NW. Stations worked included:

1254 8P6DV      GK03                      2259 VO2MK/m      **GO22**  
2200 C6ANX      FL15

July 8, 2009. Worked XE3N/**EL60** @ 2144.

July 9, 2009

Opening West. Stations worked:

1649 N7NW/m      DN71                      2157 WD5COV      DM63  
1649 N7HR      CN94

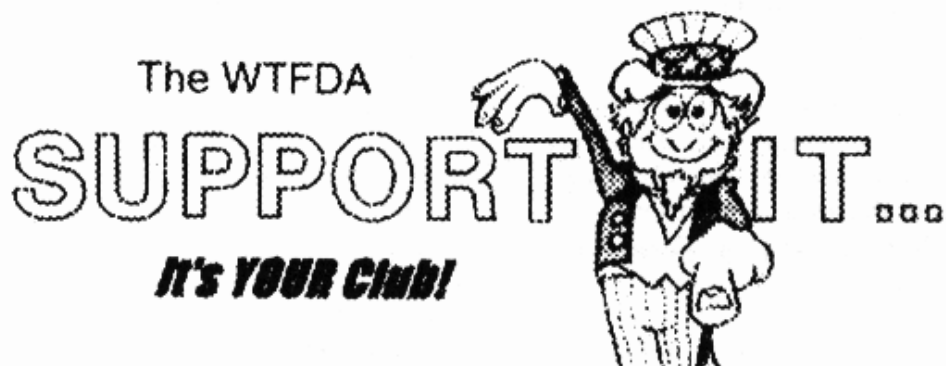
July 12, 2009. Opening to South Florida; the usual stations worked.

July 13, 2009.

Long opening to Caribbean. Worked:

1540 J79PAK      FK95                      1817 FG1PP      FK96  
1545 CO8LY/p      **FL10**                      2008 PJ2/K8LEE      FK52  
1734 PJ4NX      FK58

July 22, 2009. Worked OX3KQ/**GP47** for country #97 (Greenland). Heard this the two previous days skipping over me.



## TO COUNT OR NOT TO COUNT?

According to Fred, only NTSC or ATSC stations on channel 2 and above can be counted in TV Statistics. This limits my "FO" (foreign) total to "5".

Loggings from USSR, Sweden, Norway, Spain, Portugal, Australia, and New Zealand are not counted for anything! They don't even show up as "Stations Counted". This doesn't seem right to me. I think European TV DXers get to count NTSC stations they see across the Pond. –Jeff Kadet

Shoot, I never noticed the Channel 2 limit. I included my two UK Channel 1 and one France Channel 2 receptions in my totals. It would seem fair to include the full TV spectrum past & present from A-1 to A-83 ... 44-890 MHz.

–Bill Hepburn

Okay, I get the message. Of course those super loggings do need to be counted as part of dxers TV stats. What I will have to do is expand the Statistics EXCEL files to include European/etc channels/PAL/etc standards to the existing Ch 2-83 NTSE/ATSE channels/standards. Also I need to add F2 prop mode to the existing (GW TR Es MS Au) modes. –Fred Nordquist

Perhaps not only include them in the totals but also delineate them as separate categories for comparison. I think I've got two 1's from the old days - Troyes and Crystal Palace...when they were almost as predictable at the peak as my local channel 5 and 9. –Saul Chernos

While on the subject of statistics, what did the WTFDA decide about counting DTV moves like WFAA-DT9/KFWD-DT9, WDBD-DT41/WUFX-DT41, and KTRK-DT32/KPXB-DT32? I first brought this up in June. I now have received five of these move situations. –Danny O.

My understanding is they're different licenses, but I'm also eager to hear an 'official' club interpretation. –Saul Chernos

MO if it's different licensees, but the same, or essentially similar transmitting facilities, it's the same station. –Russ Edmunds

If they are from different towers, different call signs, would not they count as "different" stations? Sometimes it's MORE than a hobby, Saul. ☺ -Fred Vobbe

Hey, we all know a real DXer will strangle those ahead of them in the stats columns. But can't we at least have an unwritten rule that this is 'just a hobby' - just for appearances' sake?

Y'know, I don't think we ever took that further. Personally, I think they should count as two stations, because 10 years from now when the obsolete pre-transition WFAA-DT9 and WDBD-DT41 etc. records are gone from the FCC Database, we **\*won't know\*** that pre-transition WFAA and post-transition KFWD were the same transmitter. –Doug Smith

At work they would say, "Cue the disclaimer." :-D I just enjoy hearing it, but I can't remember the last time that I kept track of DX in any formal log or statistics. But maybe that's because I'm in the business, and don't want something that I enjoy appearing to be work. :) -Fred Vobbe

If that happens, any of us still around will remember, have our own records, and we'll have documentation of who was where.

But then there's also the question of whether or not to count, say, WFIL-6 analog separately from WFIL-DT-6 just because one's an analog transmitter and the other's a digital. But then that gets into, ok now, every time a station changes to a new transmitter it's a new log ?

If the location and power are essentially the same or very comparable, then to me it's still the same station. I don't much care about new ownership, new FCC facility ID, a dead period on the channel between or whatever. I'm hearing a signal from the same location with the same power, then it's all one and the same. –Russ Edmunds

Some people get a lot more intense about their hobby than others. There are some DX'ers I know - be they AM-only or FM-TV only or whatever - who take it v-e-r-y s-e-r-i-o-u-s-l-y.

I agree that the way stats are kept needs to be reasonably consistent and participants need to either agree with the criteria, get them changed ( as is occurring now ) or don't have your numbers listed. But there is always a danger of making the rules so loose that it becomes almost meaningless because nearly everything counts separately. –Russ E.

I agree with Russ about making the rules too loose. On the other hand, when WFAA-DT operated on channel 8 the channel 8 environment was much different than it became on June 12 after KFWD-DT moved to the channel.

In order for me to decode WFAA\_DT9, I had to deal with CCI from ATVs in Lufkin TX, Amarillo TX, Arkadelphia AR, and Bation Rouge; and DTV CCI from Houston.

In order for me to decode KFWD-DT9, I face DTV CCI (which is even more deadly for

**\*DTV\*** signals than ATV CCI) from Lufkin TX, Temple TX, OKC, and Baton Rouge.

All of these channel switches involve similar circumstances: The TV channels of January 2009 were greatly different than the channels of June 13, 2009. –Danny O.

In DX, I consider the physical location of the transmitter, channel assignment, mode (analog/digital) as a major logging. Facility change (power/height) as a minor change, sort of like a relog. A call sign or network change is definitely a relog with no bonus points. I guess each person has their own criteria, and for their own personal reasons.

The problem is, the more rules that are imposed, the more it seems to elevate the hard core DXers, at the expense of the new people coming into the hobby and just wanting to have fun. I think a lot of clubs need to tread carefully, because a lot of new people often get discouraged from participating. –Fred Vobbe

I think any number of similar arguments could be made about "different conditions" to justify all sorts of things, and the result would be rules which are too loose. I've seen DXers try to justify counting a station again when it reduces power or changes antenna configuration under that same "different conditions" rationale.

Whatever rules are determined need to be as "different conditions" -independent as can be, IMO. –Russ Edmunds

Russ, you have made some excellent points. However, I think we are past the stage of wondering whether or not a DXer should count WPVI-6 and WPVI-DT6 as two different stations. Most will count them as two.

The situation at hand is a little more tricky. Some of the DTV stations involved are indeed using the same tower and transmitter of previous DTVs on the same channel. Others are not.

Pat Dyer only counts the ones that use different towers, etc.

I don't like being put into this awkward situation, but the DTV transition has made TV DXing a little more complicated. And I will **\*count\*** as many DTVs as WTFDA rules allow.

–Danny O.

Sometimes, I wonder if I should be really counting channel changes as new stations (I do it because everyone else does). Take WBGU (DT), same tower site, same broadband antenna, and the same waveguide, they just changed frequency from 56 to 27, so two stations. In contrast, WGGN built a new tower miles away from their 640 watt STA facility, placed a new antenna atop it, with new waveguide, fed by a new transmitter. In all engineering terms, they built a new TV station from the ground up to run 450kW ERP at

283m, still, one station in my logbook, because both were on channel 42.

I do consider any one site running one channel to be one station, regardless of licensee. In one case, my Detroit (East) total was cut by one station more than ten years after I had last DXed there. I had two Cleveland 61 stations on my logbook, WKBF (which went under circa 1975) and WCLQ (which came on about 1979, and was, according to John Combs' column, a -new-station). I had always assumed that the WKBF facility had been dismantled, and WCLQ was a new station on the former WKBF's channel. I much more recently learned that WCLQ actually uses the WKBF plant, and WKBF/WCLQ were one station.

Another case is DTV channel 47 near Kalkaska, MI. WPBN has filed a rulemaking petition to reassign channel 47 to Traverse City, so they can change to channel 47 and transmit from the WGTU tower near Kalkaska. What they really plan to use is the same channel, transmitter, waveguide and antenna (and tower site) left by WFQX when they moved to channel 32 atop the WWTV tower 44 miles to the SSW. So if I log WPBN on 47 (or when - I strongly expect it to be approved, and it will be seen easily if I make it back up to Manistique), I will not count it as new (it will be "formerly WFQX Cadillac"), despite the different virtual channel, ownership, city of license, and network affiliation).

Another good question (when it comes to being fair to newcomers) is all the silent temporary DTV stations (let alone all the silent analogs!).

15 of my 125 DTV stations are silenced pre-transition DTVs, yet all but one (I don't have WLS-DT on 7) is duplicated by a post-transition station from the same site or within a few hundred feet of the same site (WKYC changed towers). –Robert Grant

I'll accept whatever the WTFDA decides about counting the move situations I'm concerned about, as I can afford to lose a log here or there. However, considering the difficulty of digital TV DXing compared to analog DXing, combined with the new DX environment on the channels, I plan to count as many DTVs as the rules allow. –Danny O.

***(Publisher's note: Anyone who is not on the WTFDA's tvfmdx email list and wants to contribute to this discussion is welcome to email me with their comments. Your comments will be published in the VUD).***



# UNDERSTANDING FM POLARIZATION

BOB COOPER

There's a modest amount of interest on our group (web) site concerning polarity. There seems to be some confusion as how a DXer might take advantage of the way individual FM stations transmit their signals. The rules, thank you Doug Smith, require "horizontal" or something known as 'mixed' polarization for FM broadcasters. There are a handful of exceptions (KZGM being one) where they are allowed vertical-only - a side effect of being at the bottom end of the 88-108 spectrum and a need to protect a (horizontally polarized) channel 6 TV station which uses the 82-88 MHz spectrum (a strong 88.1 for example FM station would/could do nasty things to someone trying to receive the channel 6 TV signal on an almost "adjacent" channel).

An antenna - any (VHF-UHF) antenna has the in-built ability to reject or ignore a signal even on the same frequency if the antenna is one polarity (call it horizontal) and the signal is the opposite (call it vertical). For discussion, we will call that "reject" ability 30 dB meaning before a vertical signal can be heard on a horizontal receiving antenna "as-well-as" a horizontally polarized signal, it has to be 30 dB stronger than the horizontal signal. Consider that "polarization isolation" and while 30 dB is a textbook number, it seldom is that "good" in the real world (masts that support antennas and other variables intercede).

"Mixed polarization" usually means a station is allowed to transmit both vertical and horizontal simultaneously and while it is possible to do this with two separate transmit antenna arrays (one Vt, one Hz), many stations elect to use "circular polarization" which literally means the transmitted signal is rotating in a corkscrew format through the air, an electronic 'Slinky Toy' if you will. In this way 1/360th of the total radiated energy is present in 1 degree steps through the circle and if you created a directional antenna which could be (remotely) rotated through a 360 degree self-centered circle, you would find the exact (more or less) amount of signal available no matter what "angle" the receive antenna happened to be at any instant. If the station is actually using separate transmit antennas (Vt and Hz) the same antenna rotated through 360 degrees would find some reduction in signal when 'slanted' at around 45, 135, 215 and 305 degrees (90-270 being Hz and 0-180 being Vt).

So suppose you are DXing on 100.1 and your normal station on that frequency is Hz only (many are not mixed). If you rotate the antenna to 0-180, or vertical, you will drop or reduce the

Hz signal by something approaching 30 dB. Now any weaker signal using 'mixed' or circular on that same frequency will have 30 dB less signal from the normal occupant of 100.1 to 'get through'. FM being a "capture effect" modulation mode, it may only take 3 dB more signal from the distant station to crawl over the top of the Hz only signal. Yes, with Bolen (or other) phase box approaches you can do something similar subject to a pair of antennas and lots of tweaking of the antennas plus phase box controls.

The easiest first step is to simply duplicate your existing Hz antenna (with same or something smaller) with a Vt antenna. The primary challenge is mounting the Vt antenna so the metal mast supporting it (+ Hz) is NOT in line with the Vt antenna - metal masts running parallel to the Vt antenna elements is a guaranteed way to mess up the VT antenna's pattern and performance. The antenna can be offset to the side (by at least 31"), or, the mast you now use could become a hardwood dowel/thick wall PVC (as in non-metallic) which means the Vt antenna can be mounted without fear of any mast to antenna elements interaction. And run a new piece of RG6/59 from the new Vt antenna to a switch at the receiver.

As Glenn Hauser has pointed out, the actual original polarization of virtually any (VHF) signal is subject to obstacles along the way from TR to you; buildings, trees, hills, mountains, even the atmosphere or in the case of Es the ionosphere will frequently "rotate" or change the polarity anyhow - so even a Hz only signal that has come some distance may be stronger on Vt without any intention of being non-horizontal. Having a vertical second antenna is an advantage (ask Jeff Kadet why he has a vertically mounted TV antenna); another user-option leading to new ways to "phase" out one (or more) signals in favor of one or more distant ones. With one-each Hz and Vt, you should do a full bandscan for each and will perhaps be amazed at how much the two side by side differ in stations received (especially when you add in the impact of pointing the twin arrays in various directions around your DX den).

Finally, there are some references you might investigate; [www.swr-rf.com](http://www.swr-rf.com) is a firm selling transmitting circular pole antennas while [www.fmexperts.com](http://www.fmexperts.com) has a nifty circular transmit OR receive antenna which would work fine for DXing and with some small effort be turned into a directional array as well.



# TROPO TALK – THE AUG 24/25 SUPER EVENT

SELECTED POSTS FROM THE TVFMDX LIST

The recent Kansas to Québec super duct, and how different DXers had different results with it, has made me think of the nature of tropo, a phenomenon I have used and read about for 30 years.

I haven't looked over all of my logs, run everything through a supercomputer, or sent a hundred radiosondes into the air. All of this is off-the-cuff, from memory, so ideas and comments, especially critical, are actually most welcome.

Keep in mind the basic physical nature of all tropo - the speed of light, which is slower in air than in free space, and is far slower in water or glass than it is in air, is slower in air that is cooler and/or more humid than it is in air that is hot and/or dry.

When two kinds of air with different speeds of light (actually, it is called refractive index) meet, a radio wave will be bent, just as a ray of light will be bent by a glass prism, a lens, or a glass of water.

I think I can break tropo into three categories:

## 1) Terrestrial tropo enhancement.

Cause: stagnant air near the surface can be so humid as to be "slower" than the dry air above, even though the dry air is cooler. Waves are bent back towards Earth when they reach the "faster" air.

Times of occurrence: Endemic over land during summer, especially between 3 hours after sunset and 3 hours after sunrise - rare during hot afternoons. Can occur, more rarely, any time of year.

Frequencies: usually affects ALL VHF/UHF channels, but with more signal loss on the lowband channels, to the point where 6m and channel 2 never seem strong.

Distance: Usually minimal, but longer openings do occur. Distant stations not protected from closer ones in the same direction.

## 2) Marine tropo enhancement.

Cause: warm air settling over a cooler lake or sea develops a distinct cooler and more humid (and thus "slower") layer of air above the water. Waves are bent just above the water and follow the curve.

Times of occurrence: Depends on the combination of warm air and cold water, so strongly favors late spring and early summer (Great Lakes) or early spring (Gulf of México).

Usually happens on unseasonably warm days, but can continue into the night.

Frequencies: Seems to STRONGLY favor UHF (perhaps the zone of diffraction is too shallow for the larger VHF waves?), though can sometimes affect highband VHF as well. I've never had lowband or FM tropo over a lake that was not accompanied by good tropo over land as well.

Distance: Often limited only by the size of the body of water itself, plus any land tropo or line-of-sight that may exist before or after passing the body of water. Distant stations are protected by the fact that there are no TV or FM stations in the lake itself (maritime mobiles will be workable on ham and marine radio bands, and a station on an island can block stations on the opposite shore).

## 3) Tropospheric ducting.

Cause: a layer of "slow" air with "fast" air above and below it, forming a "sandwich", usually high above the ground.

Times of occurrence: FAR more rare than the other two, so I'm not really sure when it is likely to occur. It seems to happen at late night when occurring in summer, but in the day when occurring in the fall or winter.

Frequencies: Actually seems to favor VHF. Again, I've seen too few openings of this type to be a good judge. It may be prone to favor VHF if it occurs in the summer, but allow UHF as well as VHF if it occurs in the winter.

Distance: GREAT distances are possible. Distant stations are often present with no interference from more nearby stations that are in a direct line between the station and the DXer (sometimes, however, closer stations do appear to a varying degree). A DXer can be in the middle of a duct path, and have no DX at all. –**Robert Grant, MI**

I think in the Great Lakes, the best and strongest tropo mostly occurs in mid to late summer. In spring, the air, at least over Lake Michigan or the larger lakes, is far too unstable with the seasonal changes (for instance, the water on the north end of the lake is much cooler because it's deeper, so the temperature of that marine layer changes compared to the southern end, so, unlike summer when it's more uniform throughout and less fog likely, the signals have more bouncing around and instability when they reach land -- Lake Huron and Superior would be similar I think; Erie and Ontario, different). Tropo can be good in spring, but it's a mess and in and out and all about, even when the air has a large temperature difference and seems stable. The

problem with that in spring is that the air becomes calm without a lake breeze pushing ONTO land, so you get mirages of the other side of the lake and such, but the signals are too unstable and come in for seconds at a time and bits and pieces of signals you can't ID, like tropo scatter.

In the mid-summer though, the lake breeze seems to really fuel the tropo (as opposed to the calm conditions in spring), making all the air uniform within that layer and blowing things across, where you get local-like 200+ mile reception from 8am sunrise to 10pm sunset, with the stations barely even fading for a moment and even wiping out the locals 10-20 miles away, as my logs pretty much confirm over the years. July 23rd almost every year seems to be the ultimate peak of the lake tropo season in my location. On multiple years I've gotten giant openings, probably coincidentally, on and around that exact day. Last summer it was accompanied by a monster mirage; but no land tropo.

My UHF setup was never all that good, but lake tropo events in West Michigan always exploded on VHF, while UHF was seen a lot less. That by no means is saying UHF didn't have some seriously awesome days on the strongest openings, but they were mostly limited to regional enhancement combined with lake tropo openings at night. Daytime openings that were lake-only would bring in WGN 9 in solid like it was down the road and override my local completely, while T 44 in Chicago would be barely there, if at all, for example. Most of my tropo over the lake was indeed VHF (I will say I was mostly mobile, so I didn't have a UHF setup on the beach... it may have just faded out after it hit land so I never could receive inland at home, so could be inaccurate), but was almost never accompanied by over-land tropo.

This is just my location though... so I won't discredit what you wrote, aside from my experiences (anyone else have experiences that were opposite mine, please tell me - I'm personally invested in your thoughts as you know this is my main DX concentration! ;)). Gulf of Mexico is totally different due to the size and warmer climate - Randy would know about that. **-Chris Kadlec**

Gotta love that maritime tropo enhancement!

In the late 70s, first in Oct. 1977 and again during summer of 1978, I got treated to "foggy morning tropo" in Machias, Maine (30 or so miles from the Canadian border) with various CBC and ATV channels filling mostly the VHF High band, and giving me my first TV reception of Nova Scotia.

Then last year in September, I experienced on FM good maritime tropo enhancement in

Portland, with Boston, New Brunswick and Nova Scotia popping in good. Mike B. had similar results and also claimed a couple of CT stations made it to his South Portland QTH that same weekend.

In mentioning "foggy morning tropo", under which of your descriptions would this kind fit? Some heavily foggy mornings here in southeast Mass. (in autumn) have yielded tropo DX as far out as NYC and South Jersey... while, in northern West Virginia (Clarksburg) last September during a cool morning with minor fog, at least one station (95.5 WHOK "The Hawk") from the Columbus, OH market slipped in.

**-Aaron Reed MA**

I agree with your classifications Rob, but I might argue that "marine" is just a cause (like "high pressure subsidence" or "frontal") and that you can get both enhancement and true ducting over marine bodies.

The main 3 I see in the simplest terms are..

Scatter - always there in varying degrees  
Enhancement - refraction - gradual bending of waves across an inversion boundary  
Ducting - super-refraction - bending of waves to the point where it surpasses the critical angle resulting in the signal bouncing off the tops & bottom of the inversion like a true duct (the bottom may or may not be the ground depending on whether the duct is surface or elevated at any particular point in the path).

**-Bill Hepburn ON**

Further to my previous.

The classifications of types of inversions (or even types of fog) could be applied to tropo.... these are causes but also have their own characteristics...

Marine	tropo.
Subsidence	tropo.
Frontal	tropo.
Nocturnal	tropo.
Advection	tropo. (example: warm air moving over cool surface like snow) etc.

So there really are 2 angles to look at things. Maybe these could be considered the types of tropo...and the scatter/enhancement/ducting could be classified as the severity of tropo, although scatter doesn't need an inversion - just dust & haze and vapour particles is enough. We can also add "Chinook tropo" to that list. Warm dry winds blowing down the mountainsides overrunning cool humid air.

**-Bill Hepburn**

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Return this form with your dues or make a copy of it and return that.

## The Annual Midwest DXers for GTG

Friday, Saturday and Sunday, October 30,31 and November 1, 2009

Budget Inn 2455 N. Glenstone, Springfield, MO

Phone 417 866 7460

This is same motel we had a GTG in the past, on business route 65 about 1/2 mile south of I 44 Exit 80 on west side of the street. Since this is an informal event we will meet in motel rooms. A tour of Meyer communications a local owner of several Springfield stations is planned for Saturday. Meyer owns KTXR FM, KWTO AM FM, and KBFL AM FM. KTXR morning DJ Jamie Turner will show us around. Also will try to see if DXer Randy Stewart can give us a tour of the PBS station where he works. As Branson MO is only 35 miles south some of you may want to take in a few shows while there.

**For more information contact**

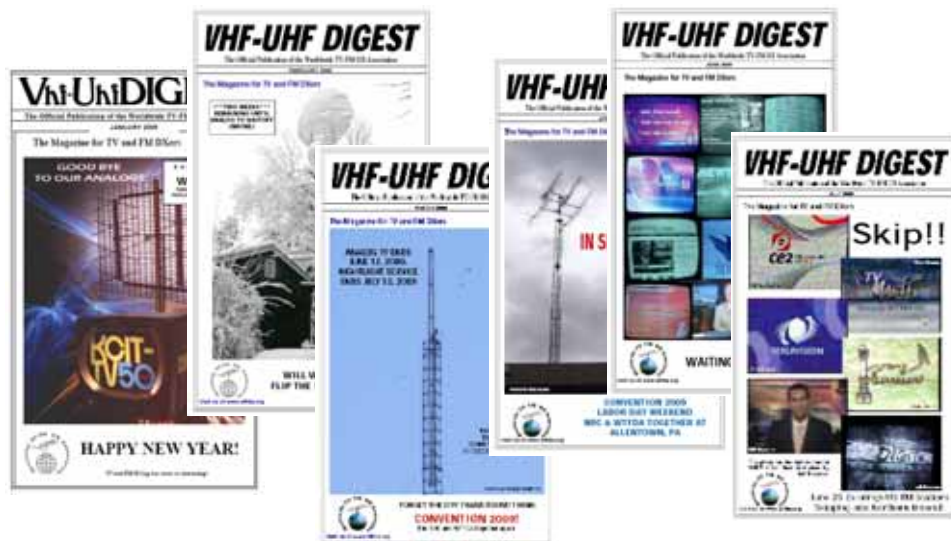
**John Tudenham**

**417 624 8058 . cell phone 417 438 4749**

**E mail [jotud@yahoo.com](mailto:jotud@yahoo.com)**

### CREDIT

Credit for the September VUD Cover goes to Roy Barstow who took the picture on the way to Provincetown. This month's cover courtesy of Fred Vobbe.



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**THE WORLDWIDE TV-FM DX ASSOCIATION  
THE VHF- UHF DIGEST  
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