

VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 2011

The Magazine for TV and FM DXers



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BE
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**BUILD A LOW COST TV ANTENNA
FOR THE DX SEASON!**

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.



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Peter Baskind, Bill Hale and John Zondlo,

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MARCH 2011



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John Z comes up empty again this month. DX is very slow but the south seems to be picking up. If you have the time, try building the antenna on page 28. Should be interesting.

FIND US FAST!

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SPRING—AROUND THE CORNER!

No doubt about it, it has been a cruel winter in many parts of North America, but the days are longer and the temperatures are hopefully on the upswing and today (2/24) I'm actually seeing some reports of tropo down in the southern states.

Minneapolis broke their all time record for snow and this part of New England is pretty close to it. So tropo will have to wait for a while until the weather becomes more favorable, which, in this part of the world, could be June.

MEMBERS AND MUCH MORE

We have one new WTFDA member this month and he is Günter Lorenz. Gunter lives in Germany and is a veteran Dxer. Welcome!

During the period from 1/19 to 1/18 we received renewals from **Bob Coomler** (CA), **Scott Hood** (MA), **Eldon Geiman** (PA), **Glen Hale** (IN), **Steven Wiseblood** (TX), **Rod Thompson** (CA), **John Zeis** (PA), **Craig Healy** (MA), **Carlton Howington** (FL), **Dan Dankert** (CA), James Nahirniak (MI), **John Cereghin** (DE), **Robert Steadman** (WI), **Bill Draeb** (WI), **George Rogers** (GA), **Stewart Douglas** (ON), **Nate Ely** (WI), **Juan Gualda** (FL) and **Harry Hayes** (PA).

Thank you all for your renewals. You are the people who keep the club alive. I'm glad you like what you see in our little club.

MORE

I was looking through some letters the other day and came upon a letter from Jim Renfrew dated 2005 which contained two photos of the WVIT tower. I don't see the candelabra on the top of the tower so these have got to be dated. Jim also asked me to send this to Scott Fybush when I was done with them. Oops.



Bill Draeb writes "Reading Bob Cooper's article in the February VUD peaked my interest in the old DXing Horizons, Television Horizons and Community Antenna Television Journals I had sitting here collecting dust. There's some good antenna, pre-amp, etc, construction projects contained within. It's something to keep me interested until the snow goes" (and that might be August—Mike).

And somewhat along the same lines, **Nate Ely** writes "What a TREAT to have Bob Cooper in the VUD again." (Yes, and he's here this month also with a construction project I'd like to tackle myself, if I can find the time. —Mike)

Carlton Howington writes "I need code for old VUDs." Carlton is referring to the password needed to enter the WTFDA website to read the VUDs in the archives. I can't send you one unless you send me your email address. Or write me with one if you have one.

Lewis Kruger writes "I appreciate you handling my subscription the way you do. Thank you. P.S., I am enjoying the AM DX season." (You are welcome, Lewis, and so am I since FM and TV are both dead now. —Mike)

And **Jim Pizzi** says "Checking out the Feb. VUD on page 28, a flood of old memories. That was my first antenna purchase. Around \$50 I think. Wanted to get Buffalo and Syracuse. In 1962 I was 15 and believed the ad hype of 200 mile reception. Though I would actually get that distance (Erie, PA, Elmira, Watertown, Albany, Canadian stations etc.). I remember getting Buffalo 2 & 4, Syracuse 3 & 8 OK. Got bit by the DX bug in May with what I thought was unbelievable—"WAIQ Andalusia, Alabama channel 2". It was snow free-thought it was Buffalo at first, coming in above normal (always a "Grade B signal) until that id. Called a friend a block over from where I lived to see this amazing thing. He got there about 15 minutes later and of course it was gone--got that "your nuts" look (I'm sure most of you have seen that). Little did I realize that phenom was a part of DXing."

FREE AT LAST!

The pictures on the cover of this VUD were supplied by **Bill Nollman**. One of these

is an old Blonder Tongue UHF converter that I must have given Bill many years ago (I say "must have" because I don't remember giving it to him anymore.) The other UHF converter in the wooden case is one that Bill found while walking around Brimfield (one of the nation's largest antiques and collectables flea markets). Both of these items are free to a good home. Bill will ship these to you. Just pay for the shipping. Who knows what these two items are worth? Only Antiques Roadshow does.

Send me a letter or email and I'll give them to Bill. Don't wait too long because these are first come, first serve.

BUSTED TELEVISION

John Demmitt writes " A week after purchasing a 19" View Sonic VT1930-M, there was a brief interruption of electrical power and when I turned it back on, I still had picture and audio but stations do not hold well and there are a lot of sparkles, colored squares and a variety of tones. Is there a way this can be corrected via service menu? If so, how? I was using a surge protector."

Well, John, I spent the last 35 years servicing office copiers, so I'm the last person you'd want to ask about TV problems. We do have some retired TV repair techs in the club so I will toss the question out to them and hopefully we will get some help for you.

And...



WEBSITE CHANGES

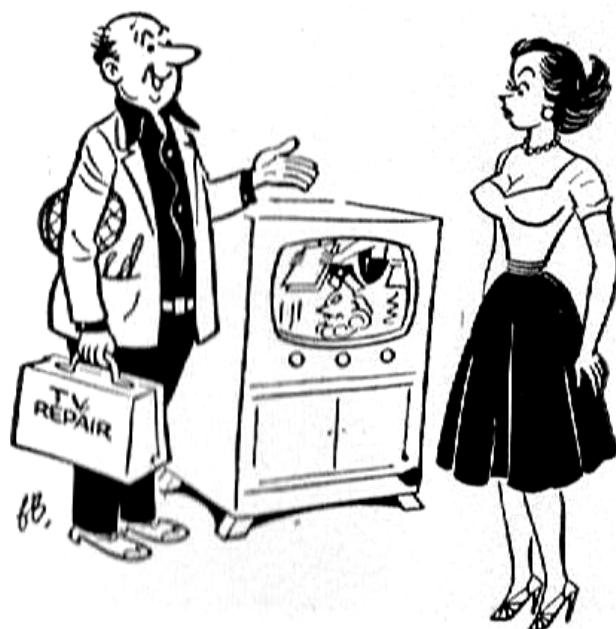
If you haven't been to wtfda.org in a while, I made a couple of changes to the menu on the left side of the page concerning the VUD archives. Instead of just one link to the archives which then splits off to various decades, I've put individual links to the 80s, 90s, 2000s and 2011+ sections. If you know the approximate year of what you're looking for, I think you'll find it faster. If you're looking for the newest VUD just go to 2011+ and you'll find it quickly.



WVIT Tower in Ice

Here's another picture of the WVIT tower when they were analog on ch30. This shows a tower coated in ice from 2002. This could also have been January 2011, if I didn't already know the date. The antenna has heaters to keep the top ice-free.

The two pictures in this column were sent to Jim by Joe DiMaggio, Engineering Manager. Do not confuse Joe with that other Joe.



"You're pulling in a strong station from Australia, mam."

And that's it for the month of March. We'll be back in April and we hope that by then there will be a little more in the way of DX in North America. See you in 30. -Mike



TV News

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March 2011

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
CX	Canceled	PR	Power change requested
DC	Converted to DTV	RA	Returns to the air
DCC	Digital Companion Channel	QC	Channel (frequency) change on the air
NS DCC	Granted flash-cut to DTV	QG	Channel change granted
DE	License/permit deleted	QR	Channel change requested
DR	Requests flash-cut to DTV	RE	Reinstated (previously-dismissed app.)
FC	Programming (format) change	ROA	Request of Applicant
FTP	Failure to Prosecute	SI	Off the air (silent)
GA	Granted amendment (to table of channel allotments)	STA	Special Temporary Authority
LC	License to Cover	XC	Transmitter site changed
MX	Mutually Exclusive	XG	Transmitter site change granted
NDA	Non-directional antenna	XR	Transmitter site change requested
NS	Permit granted for new station	lpdtv	Low Power Digital TV
DG	Granted conversion to DTV	DRT	Digital Replacement Translator

News:

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



CANADA

Alberta

Calgary	32	CKCS-DT	NS 36kw/ 207m
Edmonton	30	CKES-DT	NS 42kw/ 178m
Edmonton	44	CJEO-DT	NS 58kw/ 294m
Edmonton	47	CBXFT-DT	NS 15.18kw/ 167m
Lethbridge	13	CFCN-DT-5	NS 27kw/ 172m
Lloydminster	2, 4	CKSA-D, CITL-DT	AF 8.1kw/ 221m

British Columbia

Vancouver	16	CBUFT-DT	NS 15kw/ 300m
Vancouver	17	CIVI-DT-2	NS 35kw/ 634m

Manitoba

Winnipeg	35	CIIT-DT	NS 6kw/240m
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New Brunswick

Fredericton	44	CIHF-DT-1	NS 28kw/ 164m
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Newfoundland & Labrador

St. John's	21	CJON-DT	AF 266kw/ 255m
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Ontario

Barrie	10	CKVR-DT	AF 11kw/332m
Hamilton	15	CKXT-DT-1	PR>8.1kw
London	18	CICA-DT-18	AF 2.4kw/ 316m
London	20	CJMT-DT-1	NS 14kw/198m
London	48	CFMT-DT-1	NS 25kw/ 198m
London	51	CHCH-DT-2	AF 190kw/ 297m
Ottawa	24	CICO-DT-24	NS 95kw/ 341m
Ottawa	43	CHRO-DT-43	NS 50kw/ 177m
Thunder Bay	2, 4	CKPR-D, CHFD-DT	NS 1.2kw/ 366m
Toronto	19	CICA-DT	NS 106.5kw/ 491m
Toronto	40	CKXT-DT	QR from 66, 16kw/458m
Toronto	51	CJMT-DT	NS 18.1kw/501m, 43- 38-33/ 79-23-14
Wheatley	16	CHWI-DT	NS 3.4kw/ 168m
Woodstock	31	CITY-DT-2	NS 20kw/ 293m
Prince Edward Island			
Charlotte-town	8	KCKW-DT-1	NS 9.6kw/ 150m
Quebec			
Chicoutimi	46	CJPM-DT	AF 200kw/ 107m
Jonquiere	12	CKTV-DT	AF 7.4kw/ 581m
Rimouski	18	CJPC-DT	AF 360w/ 118m

Riviere-du-Loup 41 CIMT-DT NS 132w/
55m, 47-50-06/
69-30-25

Saskatchewan
Regina 9 CBKT-DT AF 60kw/
207m

Saskatoon 42 CFSK-DT NS 30kw/
201m



Puerto Rico
Aquadilla (sic) 18 WSJP-LD DG from ch. 30,
5.9kw

Rio Grande 40 W40DD-D QG from W25EE-D,
61w, 18-16-48/
66-06-33



U.S. Virgin Islands
Charlotte Amalie 19 WVGN-LD DG from ch. 14, 4kw,
18-21-32/
64-58-14



MEXICO
D.F.
Mexico 21 XHCDM NW 133.57kw
Mexico 30 XHOPMA NW 116.26kw
Mexico 45 XHHCU NW 179.14kw

Guanajuato
Celaya 28 XHOPCE NW 58.53kw
Leon 38 XHOPLA NW 110.74kw

Jalisco
Guadalajara 27 XHOPGA NW 109.65kw
Guadalajara 44 XHUDG NW 53.8kw (U de G)

Michoacan
Morelia 45 XHOPMO NW 44.76kw

Nuevo Leon
Monterrey 47 XHOPMT NW 132.82kw

Oaxaca
Oaxaca 2 XHOPOA NW 40.99kw

Puebla
Puebla 38 XHOPPA NW 118kw

Sinaloa
Los Mochis 11 XHSIM NW 10kw (IPN)

Sonora
Hermosillo 35 XHOPHA NW 174.17kw

Tamaulipas
Tampico 30 XHOPTA NW 77.48kw

Veracruz
Coatzacoalcos 31 XHOPCA NW 81.46kw
Xalapa 34 XHOPXA NW 250.8kw

Yucatan
Merida 5 XHOPME NW 89.98kw



USA
Alabama
Ashville 15 W15DB-D QG from W50BO,
15kw
Huntsville 34 WHVD-LD DG from ch. 67,
15kw, 34-44-12/
86-31-59

Alaska
Anchorage 5 KYES-TV "undeleted"
Anchorage 12 KYUR CC from KIMO
Anchorage 32 K32KB-D QG from K33KR-D
Anchorage 35 KCFT-LD DG 15kw

Arizona
Cottonwood 38 K38AI DR 15kw
Flagstaff 25 K54GI DR from ch. 54,
1.3kw
Flagstaff 27 KTVW-CA DC from ch. 6, 7.2kw,
34-58-06/
111-30-34; PR>15kw
Globe 16 K16FB-D DG 5.1kw
Green Valley 46 KUVE-DT PC>172kw
Kingman 16 K16GB CX
Kingman 30 K30LL-D DG from K57FY, 2kw
Littlefield 30 KZVE-LP CC from K30IP
Littlefield 51 NEW-lpdtv AF 15kw, 36-36-13/
114-06-09, DCC for
K30IP

Prescott 11 K11LC DR 200w
Prescott 34 K34EE DR 2.7kw
Prescott 45 KPVY-LD PR>8kw, 33-20-04/
112-03-33
Rock Springs 53 K53IJ PG<9.99kw (from
10kw...), from minus
offset to plus
Safford 16 KZOL-LD DG from ch. 15,
7.2kw
Yuma 16 KESE-LP PR<4.5kw, 32-38-31/
114-33-34

Arkansas
Bentonville 48 K48MR QG from K45EI,
29.4kw
Fulton 11 KTEQ-LP CC from K11VO
Little Rock 14 KHUG-LP CX

California
Bakersfield 35 K24GS DR from ch. 24,
15kw, 35-27-13/
118-35-37 dismissed
Bishop 20 KBBC-TV NW 350w/
-283m, 37-21-37/
118-25-57 (aux)
Fresno 7 KAIL PR 36.3kw/
569m; amendment
from 42.6kw/
625m

Glendale 40 KVHD-LD DG from K26GN,
9.99kw, 34-13-35/
118-03-58; CL from
Lancaster; DC
Indio 15 KUNA-LP DR 1.2kw
Los Angeles 3 KVTU-LP PC<496w, 34-14-18/
117-39-10

Los Angeles 10 NEW-lpdtv AF 210w, 33-50-59/
117-39-11, DCC for
KVTU-LP
Los Angeles 12 KTBV-LD PC>300w
Lucerne Valley 17 K17KD QG from K54AD
Modesto 34 KACA-LP DR 10kw
Palm Springs 17 KODG-LD DG 15kw, 33-52-15/

Redding	23	KRDT-CD	116-13-43 replaces DCC KRDT-LD
Ridgecrest	14	K14AT	DR 500w, 35-28-48/ 117-40-56; CL from China L.
<i>Ridgecrest</i>	<i>43</i>	<i>K43AG</i>	<i>PR>9.99kw, 34-44- 16/ 117-33-59</i>
Sacramento	24	KRJR-LP	DR from ch. 44, 15kw, 38-15-54/ 121-29-24
<i>San Bernardino</i>	<i>12</i>	<i>K20IU</i>	<i>PR<150w, 34-11-26/ 117-05-59; CL from Big Bear Lake</i>
San Diego	43	KSEX-CA	CC from KBOP-CA
San Francisco-San Jose	42	KAXT-CD	replaces DCC KAXT-LD
Santa Barbara	32	KSBT-LP	DR 1.61kw; DG
Ventura	23	KIMG-LP	CX
Colorado			
Akron	35,	K35FI, K41EVDC	190w
	41		
Anton	45	K45FD-D	PG<211w; DC
Boulder	48	K11QJ	DR from ch. 11, 15kw, 39-57-36/ 105-12-45
Cheyenne Wells	34,	K34LN-D,	QG from K60AM,
	36,	K36LB-D,	K62AH, K64AJ,
	38,	K38MK-,	K68AQ, 236w, 38-47- 45/ 102-32-54
	40	K40LS-D	
Cimarron	27	K06AM	DR from ch. 6, 60w, 38-15-43/ 107-15-01 dismissed
Colorado Springs	49	KKTV	QC from 10, 550kw/724m
Haxtun	31,	K31FZ-D,	DG 250w
	33,	K33GM-,	(280w ch. 33, 240w ch. 43)
	35,	K35GO-,	
	39,	K39HM-,	
	41,	K41IT-D,	
	43	K43JJ-D	
Holyoke	17	K17EU-D	DG 342w; DC
Idalia	18	K18FO-D	DG 196w; DC
Romeo	19	K19IX-D	DG from K61AZ, 250w
Sargents	4	K04OF	DC 50w, 38-23-30/ 106-24-42
Sterling	44,	K44FL-D,	PG<184w/ 182w; DC
	48	K48DQ-D	
Woody Crk.	48	K48LO-D	PG>45w; PC
Wray	46	K46FF	DC 183w
Yuma	38	K38AD-D	DG 191w
District of Columbia			
Washington	22	WDDN-LD	DC from ch. 23
Washington	27	WETA-DT	NS 30kw/ 177m, 38-53-30/ 77-07-55 (aux)
Florida			
Daytona Beach	14	WDYB-LP	DR from ch. 28, 10kw, 29-13-52/ 81-02-32
Miami	7	WSVN	QC from 8, 158kw/307m, 25-58- 00/ 80-12-43
Orlando	27	WRDQ	PG>1000kw/ 490m
Orlando	39	WFTV	PG<490m
Perry	15	NEW-lpdtv	AF 15kw; DCC for WSFD-LP
St. Petersburg	4	WTSP -	XG 28-53-31/

		0929ADR	82-22-23
St. Petersburg	10	WTSP	PG 69kw/ 477m, 27-49-10/ 82-15-39
Tallahassee	49	NEW-lpdtv	AF dismissed (Madison Ave. Ventures)
Tampa	10	WTAM-LP	CX
Winfield	18,	NEW-lpdtv	AF dismissed
	23,		(Landover 2 LLC)
	25,		
	35		
Georgia			
Albany	23,	W23DU-D,	PR>15kw dismissed
	38	W38EM-D	
Atlanta	43	WUPA	PR<329m, 33-48-26/ 84-20-22
Augusta	24	NEW-lpdtv	AF dismissed (Georgia Eagle Media)
La Grange	26	W26DS-D	PG>15kw
La Grange	42	W42DU-D	PR>7kw
Monroe	44	WHSG-TV	PR>1000kw/ 310m, 33-48-26/ 84-20-22
Norcross	47	WKTB-CA	DC from ch. 38, 12.5kw
Summerville	22	WKSJ-LD	DG 600w
Warner Robbins	22,	NEW-lpdtv	AF dismissed
	29,		(Georgia Eagle Media)
	33		
Idaho			
Bonnars Ferry	44	K44KK-D	DG from K23IB, 158w
Cascade	30	K30LJ-D	QG from K09LO-D, 45w, 44-32-09/ 116-02-55
Council	11	K11WR-D	QG from K05GO-D
Council	23	K23KY-D	DG from K13GW, 460w, 44-39-48/ 116-26-24
Malad	31	K31HS	DC 1kw
McCall	15	K15IO-D	DG from K13SO, 470w
Pocatello	15	KPIF	CX
Pocatello	40	K12OA	DR 244w, 42-51-46/ 112-31-03
Salmon	8	K08PI-D	QG from K07PV, 18w
Salmon	40,	K40LW-,	QG from K59AV, K65BG, K69CA, 110w
	42,	K42JX-D,	
	44	K44KM-D	
Tendoy	51	K51LR-D	QG from K55AI, 120w
Twin Falls	17	KYTL-LD	DG from ch. 53, 15kw
Twin Falls	34	KXTF	PC>49.4kw
Illinois			
Chicago	30	WDCI-LP	DC from ch. 57, 15kw, 41-53-06/ 87-37-18; CL from Elgin
Indiana			
Elkhart	16	WEID-LD	DG from ch. 18, 15kw, 41-40-42/ 86-03-40
Gary	18	WHNW-LP	DC 15kw
Indianapolis	17	WISH - 1115DQM	NW 15kw, 39-53-25/ 86-12-20; DRT for ch. 9 on same tower
Terre Haute	28	W28DZ-D	PR>15kw
West Lafayette	20	WUVI-LP	DC from ch. 65, 15kw, 41-06-00/ 87-13-45
Iowa			

Cedar Rapids	24	KRUB-LP	QR from ch. 46, 3kw				
Cedar Rapids	30	KHHH-LP	DR from ch. 57, 15kw, 41-57-11/ 91-41-00			10, K07DI-D, 13 K10JK-D, K13JO-D	
Cedar Rapids	39	KCDE-LP	DR from ch. 67, 1kw, 41-57-11/ 91-41-00			Kalispell Kalispell Kalispell	18 KAJJ-CA 39 KAJJ-LD 46 NEW CC from K18AJ CC from K39KN PA, 186kw/ 830m
Cedar Rapids Ottumwa	45 15	KCDR-LP KYOU-TV	DR from ch. 55, 10kw PR>360kw; PG			Nebraska	
Kansas						Lincoln	18, K18CD-D, 35 KWAZ-LD DG 15kw
Manhattan Wichita	52 12	K52HZ KSCW-DT	CX QG from 31, 66.4kw/449m, 38-03- 38/ 97-45-49; QC			O'Neill	27 KHGI-LP DR 440w, 42-26-58/ 98-37-01
Wichita	33	KSCW - 1223ABX	NS 15kw, 37-45-02/ 97-18-12; DRT for ch. 12			Nevada	
Louisiana						Boulder City	14 KBBB-LD CC from K14NE-D
West Monroe	18	KWMS-LD	DG from ch. 17, 14kw			Elko	25 K25FR DR 250w
Winnfield	4	KCDH-LP	DR 300w			Ely	22 K22KB-D DG from K58BC, 400w, 39-15-53/ 114-53-35
Massachusetts						Incline Village	14 KVCJ-LP DR 250w
Boston	24	WFXZ-CD	QG from ch. 25			Laughlin	6 K53DG DC from ch. 53, 300w
Michigan						Laughlin	67 K67HO CX
Hesperia	42	W42CB	DC 15kw			Panaca	44 K44KN-D DG from K61AW, 1.2kw, 37-27-51/ 114-28-12
Muskegon	17	W52DB	DC from ch. 52, 15kw			Reno	36 KNVV-LD DG from ch. 41, 10.5kw, 39-18-47/ 119-52-59
Sault Ste. Marie	28	W28DY-D	DG from W67CS, 465w			Ryndon	6 K06NY DR 16w
Minnesota						Schurz	39 K39KZ-D DG from K58CY, 187w
Geneva	48	K48KJ-D	PG>4.92kw, 44-02- 46/ 93-23-03			Spring Creek Mobile	12 K12MS DC 100w
International Falls	38	K38MM-D	DG from K39GT, 620w			Sun Valley	40 KEVO-LD PG<1w
Minneapolis Park Rapids	48 16	KHVM-LD K16IC	QG from ch. 28 PR<5.51kw, 46-52- 40/ 94-57-54			Winnemucca	45 K45BJ DR 200w
Rochester	51	K51LV-D	QG from K59GC, 15kw			New Hampshire	
St. James	24, 35, 45, 51	K24JV-D, K35KI-D, K45LJ-D, K51LW-D	QG from K48AA, K50AB, K46AA, K52AB, 3kw, 44-06- 28/ 94-35-55			Charlestown	26 NEW-lpdtv AF 15kw, 43-26-15/ 72-27-08 DCC for WVBQ-LP 47
Walker	35	K35KH-D	DG from K27JF, 2.1kw			Charlestown	26 WVBQ-LP DR from ch. 47, 15kw, 43-26-15/ 72-27-08 dismissed
Walker Willmar	51 28	K51KE-D K28IF	PR>4.25kw DC 650w			Manchester	7 W28CM DR from ch. 28, 300w, 42-58-54/ 71-35-21 dismissed
Mississippi						New Mexico	
Pascagoula	38	WGUD-LD	DG from ch. 51, 2.27kw, 30-24-33/ 88-42-23			Dora	20 K20KT-D QG from K40GC, 10kw
Missouri						Santa Fe	47 K47MZ-D DG from K46GY, 15kw
Cape Girardeau	22	KBSI	PR>705kw			New York	
Jefferson City	20	KNLJ	PC>316m			Center Lisle	16, NEW-lpdtv 22, 38, 51 AF dismissed (Landover 2 LLC)
Joplin	33	NEW-lpdtv	AF 15kw, 37-08-14/ 94-18-49 (DCC for ??, Daystar)			Rochester	13 WHAM-TV PC>18kw
Montana						Syracuse	42 W42EB-D DG from W30AJ, 12.3kw
Bozeman	42	K42BZ-D	PG>15kw			Utica	33 WVVC-LD DG from ch. 40, 15kw
Bridger	28, 31, 35, 38	K28LG-D, K31LE-D, K35JW-D, K38LV-D	NW 1.1/ 0.93/ 1.09/ 1.09kw, 45-17-10/ 108-56-01			Utica	42 W42EC-D DG from W53AM, 15kw
Hinsdale	5, 7,	K05IZ-D,	DG 3w			North Carolina	
						Asheville	25 WUNF-TV PC 125kw/ 816m, 35-25-32/ 82-45-25
						Canton	47 W57BG DR from W57BG, 5kw; DG
						Cherokee	25 WUNF-TV NW 1.5kw/ 181m, 35-28-24/ 83-19-22; see text

Fayetteville	40	WDRN-LD	DG from W45CO, 15kw	Nashville	31	WJDE-CD	1000kw/429m replaces DCC WJDE-LD
Goldsboro	8	WHFL-LD	"undeleted"	White House	24	WKUG-LP	QR from 47, 1.5kw, 36-51-09/86-20-39
Lumberton	42	WPEM-LD	DG from ch. 47, 15kw, 34-40-26/79-02-21	White House	40	WKUW-LD	PG>5.3kw, 36-32-56/86-36-54
Raleigh	8	W08EL-D	DG from W68BK, 300w	Texas			
Raleigh	46	W46EU-D	DG from W58CD, 5kw	Beaumont	22	KUMY-LD	DG 1.99kw, 30-06-35/94-01-42
Statesville	48	WHWD-LP	DG from W21CI, 15kw; CC from W21CI; was briefly W48DX-D	<i>Beaumont</i>	<i>56</i>	<i>KQHO-LP</i>	<i>QC from ch. 60, 150kw, 30-03-05/94-31-37</i>
Wilmington	30	WSFX-TV	PC>190kw	Brownsville	27	KNWS-LD	DG from ch. 64, 3.5kw, 26-09-00/97-30-58
Ohio				Brownsville	64	KNWS-LP	CC from KBDF-LP
Cincinnati	20	WOTH-LD	NW 15kw, DCC for analog 38; CC to WBQC-LD but promptly changed back.	Celina	24	KQFW-LD	QR from ch. 56 dismissed
Oklahoma				Dallas	20	KBOP-LP	DC from ch. 57, 15kw; CC from KSEX-LP
Oklahoma City	36	KCHM-CA	DC 7.33kw, 35-24-54/97-30-36	Eagle Pass	18	KVAW-DT	CX
Tulsa	19	KEGG-LD	QG from ch. 18, 15kw, 35-43-25/95-59-15; CL from McAlester	Fort Worth	29	KTXA	QC from 18, 1000kw/534m
Tulsa	25	KUTU-CA	DR from ch. 45, 7.9kw; DG	Galveston	23	KLTJ-DT	PC>350kw
Oregon				Houston	15	KVVV-LD	DG from ch. 53, 15kw, 29-34-15/95-30-37
Cave Jctn.	48	K48GO	DC 662w	Houston	30	KCVH-LP	DC 15kw
Corvallis	48	K48MP-D	DG from K26AY, 5.5kw	Laredo	19	KLDO-TV	PG>150kw/135m, 27-39-54/99-36-30
Eugene	63	KXOR-LP	CX	Lubbock	26	KTGB-LD	DG from K67HQ, 15kw
Medford	25	K25IM	DC 362w	McAllen	57	KAZH-LP	CC from KNDF-LP
Paisley	28	K28LO-D	DG from K04PK, 500w	Odessa	38	KPBT-TV	PG>500kw/85 31-53-50/102-20-14
Salem	49	KWVT-LP	DC from ch. 17, 14.2kw, 45-31-23/122-56-07	San Antonio	16	KHCE-TV	PC>850kw/328m
The Dalles	22	K22KC-D	DG from K69AH, 2.4kw	<i>Stamford</i>	<i>44</i>	<i>KIDT-LP</i>	<i>XR 32-45-00/100-12-13</i>
Warm Springs	30	KOAB - 1214ABV	NS 300w, 44-46-16/121-15-42; DRT for ch. 11 Bend	Victoria	28	KXTS-LD	DG from ch. 41, 8kw, 28-50-42/97-07-33
Williams	2	K02JJ-D	DG 70w, 42-22-56/123-16-29	Wichita Falls	30	K30LD-D	PG<100w, 33-54-31/98-29-45
Pennsylvania				Wichita Falls	32	KYWF-LD	DG from ch. 52, 15kw, 33-54-42/98-29-32
Berwick	19, 47	W19CI, W47AO	CX	Woodville	4	K04QT-D	XC 30-03-06/94-31-38
Erie	50	WQLN	PR>300kw/278m; amendment from 200kw	Utah			
Harrisburg	43	WGAL - 0824ADL	AF dismissed (DRT for ch. 8 Lancaster)	Alton	38	K38MS-D	QG from K22HV, 63w; QC
Newport	67	W67DE	OFF	Bicknell	34	K34GN	DR 72w; DG
Philadelphia	45	WFMZ - 1216AAE	NS 170w, 40-02-33/75-14-33; DRT for ch. 46 Allentown	Bicknell	38	K38MW-D	QG from K52JV-D, 72w; QC
Shickshinny	68	W68CE	OFF	Cedar City	12	K12QQ-D	NW 50w, 37-38-21/113-01-53
Williamsport	62	W62CS	OFF	Circleville	19, 21, 23, 25, 27, 31, 32, 33	K19GM-D, K21IB-D, K23KW-, K25LS-D, K27KU-D, K31IY-D, K32HN-D, K33JD-D	PR>65w
South Dakota				Delta	33	K33KW-D	NW 750w, 39-21-12/112-21-09
Rapid City	18	KOTA - 0119ADU	AF 15kw, DRT for ch. 2; NS	Delta	44	K44IZ-D	PG>750w
Sioux Falls	23	NEW-lpdtv	AF dismissed (casey C. Peterson)	Delta	49	K49LR-D	DG from K53JE-D,
Sioux Falls	53	KWSF-LP	CC from WDSF-LP				
Tennessee							
Nashville	25	WTVF	PA from ch. 5,				

Heber City	26, K26IK-D, 35 K35EW	150w; DC PC>356w
Hildale	8 K08PC-D	NW 20w, 36-53-39/ 113-01-54
Koosharem Leamington	40 K40KP-D 8, 9, K08PF-D, 10 K09YW-D, K10QR-D	PG>63w; PC NW 38w (79w on ch. 12)
Leamington	12 K12QY-D	QG from K52JW-D, 79w; QC
Leamington	34, K34LP-D, 38, K38MQ-, 40, K40LV-D, 42 K42JW-D	QG from K57JS, K55KH-D, K59IQ-D, K58IP-D, 950w; QC
Logan	26 KCVB-LD	PG>535w
Logan	39 K39KU-D	XR 41-53-35/ 112-04-40
Monroe Panguitch Parowan	42 KCAP-LD 45 K45LF-D 33 K33KF-D	CC from K42IZ-D PR>63w NW 250w, 37-50-30/ 112-58-27
Price	35 K35CK	DR 300w
Price	46 KXSC-LP	CC from K46IC
Sevier Co.	41 K41LY-D	QG from K57JV-
Spring Glen	49 K49LQ-D	QG from K57JZ-
St. George	14 KUTG-LD	DG from ch. 58, 1kw
St. George	16 K16DS	DC 250w
Tooele	22 K22DE	DR 350w
Torrey	40 K40LZ-D	QG from K55KG-D, 72w; QC
Wayne Co. Wendover	43 K43MZ-D 17 K17HM	QG from K58IO- DR 70w, 40-44-29/ 114-02-14
Virginia		
Bergton	7, W07BL, 11 W11AZ	CX
Blackwater	18 WAPG-CD	DG from ch. 14, 2.2kw
Garden City Hampton	4 W04AG 41 W41DX-D	DC 6w QG from W51DO, 15kw
Hampton	53 WTTD-LP	CX
Roanoke	26 WEDD-LD	DG from ch. 54, 15kw
Rockingham Co.	21, W21AC, 33 W33AC	CX
Washington		
Baker Flats Area	46 K46LI-D	DG from K61AY, 240w
Brewster	49 K49LP-D	DG from K56BK, 40w, 48-01-12/ 119-58-37
Brewster Seattle	51 K51LP-D 44 KFFV	DG from K53CX, 40w PG<235kw/ 210m, 47-36-56/ 122-18-29; CC from KPST
Tacoma	14 KTBW-TV	PR>575kw dismissed
Yakima	19, NEW-lpdtv 20	AF 15kw, 46-31-52/ 120-30-50 reinstated
West Virginia		
Huntington	30 W30DG-D	QG from W14CU, 15kw
Wisconsin		
Columbus	30 WWAZ - 0223ABW	PG>5kw
Janesville	45 WDMW-LD	DG from W65EE, 15kw
Madison	49 WMSN-TV	QC from 11, 310kw/450m
Ripon	15 WWAZ -	PG>7kw

0223ABX

Sister Bay	15 W18CU-D	QR from ch. 18
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Wyoming

Glendo	21 K21HQ-D	DG 250w
Laramie	41 NEW-lpdtv	AF 15kw, 40-31-42/ 105-28-56, DCC for KHDE-LP
Sunlight Basin	29 K29IG-D	NW 600w, 44-45-25/ 109-22-21

Thanks to Robert Seaman and Bill Hepburn for information appearing elsewhere in this column.

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Bill brought my attention to a typo in last month's column. The CJMT-DT on channel 20 is in London, not Toronto. (CBLT occupies DTV channel 20 in Toronto.) CJMT will be on DTV channel 51 in Toronto.

=====

Note several new Mexican stations listed this month. *This includes two new full-power low-band VHF analog stations.* Most of these new stations are part of the "Organismo Promotor de Medios Audiovisuales".

OPMA is a national public TV organization. Several Mexican states operate public TV networks; the National Polytechnical Institute of Mexico City also operates TV stations in a number of Mexican cities.

These stations were first authorized last year.

Note also that the three new stations in Mexico City are digital. These are, to my knowledge, the first and only digital-only stations in Mexico. XHCDM(-TDT) was the first of the three, so I guess that makes it the first digital-only station in Mexico.

The digital transition is in full swing in Mexico. According to the government agency SCT, there are 54 DTV stations operating in the country and an additional 63 under construction. This doesn't count the three digital-only stations in Mexico City. Dozens of new stations were authorized on December 7th.

A list of new Mexican DTVs authorized in 2010:

Aguascalientes	XHAGU-TDT	32
	XHAG-TDT	35
Tecate, BN:	XHDTV-TDT	47
Cd. Juarez, CI:	XHIJ-TDT	45
	XHJUB-TDT	33
	XHJCI-TDT	41
	XEJ-TDT	50
Torreon, CL:	XELN-TDT	35
Mexico, DF:	XEIPN-TDT	33
Altzomoni, MC:	XHTM-TDT	36
	XEX-TDT	42
	XHATZ-TDT	47
Acapulco, GR:	XHACZ-TDT	22
	XHAL-TDT	23
	XHAP-TDT	32
Culiacan, GN:	XHOPCE-TDT	20
Leon, GN:	XHOPLA-TDT	34
Guadalajara, JA:	XHGUE-TDT	22
	XEDK-TDT	35
	XHOPGA-TD	43

Morelia, MH:	XHOPMO-TD	44
Cuernavaca, MH:	XHCUR-TDT	27
	XHCUM-TDT	38
Monterrey, NL:	XHCUV-TDT	43
	XHMOY-TDT	44
	XEFB-TDT	45
Oaxaca, OX:	XHOPMT-TD	51
	XHHLO-TDT	31
	XHOPOA-TD	35
Puebla, PU:	XHP-TDT	29
	XHOPPA-TDT	30
Queretaro, QT:	XEZ-TDT	29
	XHZ-TDT	32
	XHOCZ-TDT	40
Cuilacan, SN:	XHCUI-TDT	24
Los Mochis, SN:	XHBS-TDT	25
Hermosillo, SO:	XHOPHA-TD	27
Villahermosa, TB:	XHTVL-TDT	30
Cd. Victoria, TM:	XHVTU-TDT	50
Santa Rosa, TM:	XHTAM-TDT	28
Tampico, TM:	XHOPTA-TDT	35
	XHTAO-TDT	47
Coatzacoalcos, VC:	XHCV-TDT	24
	XHCOV-TDT	27
	XHOPCA-TD	46
Veracruz, VC:	XHFM-TDT	24
	XHAH-TDT	39
	XHAI-TDT	41
	XHCLV-TDT	45
Xalapa, VC:	XHAJ-TDT	49
	XHOPTA-TDT	35
Merida, YU:	XHOPME-TD	23
Zacatecas, ZA:	XHZAT-TDT	41
	XHBQ-TDT	43

=====

Robert saw announcements on WYLN-CA 35 regarding the shutdown of W62CS and W67DE. Their channels have been assigned to wireless carriers, and WYLN has no plans to move the stations to lower channels. W68CE has been off for some time and is no longer listed on the WYLN website.

=====

For some reason, most of the bidders have dropped out of the auctions of new full-power VHF DTV stations in Delaware and New Jersey. PMCM (the company that triggered these auctions in the first place), Daystar, and Memphis broadcaster George S. Flinn are among those dropping out.

- Three bidders are left:
- Avinash C. Ahuga (bid on both permits)
 - Loop Media (bid on only one)
 - Western Pacific Broadcast (don't know)

Western Pacific was one of the firms that had submitted an incomplete application. They were given an opportunity to complete their application, and apparently did so. The FCC didn't announce which permit(s) they bid on.

=====

KAXT-CD and KRDT-CD in California and WJDE-CD here in Nashville don't reflect any change in technical facilities. In all three cases, an analog Class A station obtained a permit for a Digital Companion Channel – a second, digital transmitter to operate simultaneously with the existing analog rig.

Those Companion Channel permits seem to have been issued as regular LPTV permits – not Class A. They would not have been entitled to the additional interference protection Class A stations receive. (in return for meeting stricter operating standards)

The stations have since acquired permits to convert their existing analog Class A facilities to digital. The technical parameters are exactly identical to those of the Companion Channel facilities they already had. However, the digital facilities now hold Class A status, and the additional protection that brings. For one thing, a Nashville full-power station wishing to move to RF channel 31 could no longer do so – it would not be allowed to bump WJDE.

I suspected these three were only the beginning of a trend – but as of the end of February, no further such applications have been filed.

=====

The new WUNF-TV at Cherokee, North Carolina is the second transmitter of a two-transmitter Distributed Transmission System. (DTS) This transmitter joins the existing transmitter on the same channel. The city-of-license for both transmitters is Asheville. Note that the original transmitter has also reduced power & increased antenna height.

=====

The proposed channel 46 allotment in Kalispell would be non-commercial. It was requested by Montana State University.

In theory, new DTV channel allotments are frozen by the FCC. MSU argues this would not be a new allotment, but the transfer of an existing allotment from the pre-transition DTV table to the post-transition table.

When the DTV conversion hit, MSU was an applicant for an analog non-commercial station in Kalispell. (channel 29) A competing application had been filed by a religious broadcasting organization. The FCC didn't get around to acting on the applications until after the DTV transition hit. Since there was no construction permit for analog channel 29, they didn't allow either applicant to participate in the post-transition channel election process – so no post-transition channel was assigned.

The religious group has since asked the FCC to dismiss their application, leaving the University the only organization interested in a new Missoula station. The University argues they're not trying to create a new allotment – they're just trying to preserve an allotment the FCC had already made.

Channel 46 can be allotted for full-power operation at Kalispell without conflicting with distance-separation regulations.

Good DX!





FM NEWS



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INDEX OF ABBREVIATIONS

APP: application
 APP Mod: Change to an already submitted application
 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)
 \$: Stereo
 STA: Special Temporary Authority
 XL: Transmitter Location

Note: antenna heights are HAAT except where noted

CC CANADA CC

C CALL LETTER CHANGES C

[NO CALL CHANGE NOTICES THIS MONTH]

C FORMAT and SLOGAN CHANGES C

AB St. John	104.9	CFMG-FM	Remains Adult Contemporary, but is now <i>Virgin Radio</i>
ON Ottawa	106.9	CKQB-FM	Still Rock, but is now <i>106 point 9, The Bear</i>
ON Toronto	93.5	CFXJ-FM	> Rhythmic Top 40, remaining <i>Flow</i>
QC Gatineau	104.7	CJRC-FM	> Hot AC (FF): CKOI
PQ Montreal	92.5	CFQR-FM	> Adult Contemporary: <i>The Q, 92 point 5</i>
PQ St-Hyacinthe	106.5	CFEI-FM	> Oldies: <i>Boom FM</i>
PQ Trois-Rivières	94.7	CHEY-FM	> Rock
QC Trois-Rivières	106.9	CHLN-FM	> Hot AC (FF)

C TECHNICAL CHANGES C

Now on the air:

AB Fort McMurray	100.5	CHFT-FM	23 kw-V // 50 kw-H/81 m, 56-41-03/111-19-47
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C TECHNICAL CHANGES C

CP granted for:

MB Winnipeg	107.1	CFEQ-FM	100 kw/223 m, XL to 49-46-15/97-30-37; Class C1 from A
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C TECHNICAL CHANGES BB

GRANTS FOR NEW STATIONS

CP granted for:

NF North West River	95.9	CFLN-FM-1	50 w-V/31 m, 53-31-47/60-08-57; Class LP; \$
ON Smooth Rock Falls	88.5	NEW	5 w/15 m; 49-16-43/81-37-56; English Community Station. Will relay CFDY-FM Cochrane except for 3 hours per week of local programming
QC Saint-Jérôme	102.9	CFOI-FM-1	200 w/47 m, 45-49-10/74-00-30; Class A1; \$; will be // CFOI-FM Québec
SK Humboldt	107.5	NEW	100 kw/164 m, DA, 52-15-30/105-23-11; Class C1; \$; will be Variety (Golden West)
SK Estevan	106.1	NEW	100 kw/71 m, 49-03-26/102-55-22; Class C1; Mono; will be Classic & New Rock (Golden West)

C TECHNICAL CHANGES C

C APPLICATIONS FROM EXISTING/PROPOSED FACILITIES C

Applies for:

NB Moncton	90.1	CIRM-FM	500 w-V/64 m, 46-07-36/64-55-04; FC to 96.3; Class LP to A
ON Ottawa	101.9	CIDG-FM	5.5 kw/98 m, 45-26-48/75-37-27

C TECHNICAL CHANGES C

PROPOSALS FOR NEW STATIONS

Applies for:

AB Plamondon/Lac La Biche	92.1	NEW	1.215 kw/128 m, 54-50-55/112-02-20; Class A; Mono; French Community Station
NS Lower Sackville	106.9	NEW	50 w-V/47 m, 44-45-19/63-39-10; Class LP; \$; English Community/Country
ON Cobourg	90.7	CKJJ-FM-1	250 w-V/33 m, 43-58-31/78-11-51I Class A1; \$; Religious AC // CKJJ-FM 102.3 Belleville
ON Toronto	98.7	NEW	1 kw/277 m, DA, 43-38-56/79-22-54; Class B1; \$; English Caribbean/African

SK Muskeg Lake Cree Nation 104.3 NEW 30 w/12 m, 53-00-15/106-52-36; English, Native

C OTHERNEWS C

ON Brantford 93.9 CFWC-FM Request to change formats from Christian to Rock has been denied.
 ON Toronto 88.1 CKLN-FM CKLN-FM is a 225-Watt community-based station operating on the campus of Ryerson University in Toronto. In response to complaints that CKLN Radio had been experiencing ongoing difficulties with its governance structure, day-to-day management and operations, programming and ability to remain on-air, the CRTC revoked their license following subsequent investigations of those charges.

CC UNITED STATES AND TERRITORIES CC

FULL POWER and LPFM STATIONS

C CALL LETTER CHANGES C

	Old Call	New Call				
CA Hamilton City	101.7 KRER	KCKS	OH North Madison	93.7	NEW	WQGR
CA Newman	90.7 NEW	KRUD	OH Cambridge	88.1	WYBP	WRUY
CA San Andreas	90.7 NEW	KQBM	OH Cleveland	106.5	WMVX	WHLK
CA San Francisco	102.1 KDFC-FM	KUZX	OH Mowrystown	90.5	NEW	WAOM
CA Trinidad	95.5 KZCC	KBAE	[City correction from last issue]			
CO Battlement Mesa	102.9 KXGK	KJXR	OH North Madison	93.7	NEW	WQGR
CO Fraser	90.3 KGQD	KKHI	OK Hugo	91.3	NEW	KVYY
CO Pitkin	90.1 KPKN	KRKU	OR Grants Pass	107.9	NEW	KJCR-LP
GA Tallulah Falls	91.7 WMJE	WVNG	OR Siletz	91.7	NEW	KYQA
ID New Plymouth	93.1 KZMG	KTIK-FM	PA Bellefonte	90.3	NEW	WJVM
ME Kennebunkport	88.3 WPHH	WMEK	PA Gallitzin	93.5	WHPA	WCGJ
MP Garapan	90.7 NEW	KCKD	PA Kane	103.9	WUMT	WVTT
MI Munising	89.7 NEW	WAZP	PA Youngsville	88.5	WTMV	WYVL
MN Hinckley	91.9 NEW	WINH	RI Ashaway	96.7	WRBZ-LP	WSUB-LP
MS Kosciusko	105.1 WQJQ	WJDX-FM	SC Bluffton	106.9	WGZR	WUBB
MO Cuba	101.7 NEW	KQXQ	TN Lynchburg	93.9	WHWA	WDUC
NE Santee	88.9 NEW	KZYK	TN Nashville	89.1	WNAZ-FM	WECV
NV Amargosa Valley	105.9 NEW	KZNV	TX Alamo	104.9	KJAV	KRIO-FM
NH Lisbon	89.7 NEW	WREF	TX Del Rio	88.5	NEW	KVFE
NM Ruidoso	88.5 NEW	KENG	TX Falfurrias	91.5	NEW	KRVP
NY Center Moriches	96.1 WKJI	WJVC	TX Pearsall	104.1	KRIO-FM	KSAH-FM
NY Cold Brook	91.1 NEW	WMHU	TX Sulphur Springs	91.9	NEW	KZRF-FM
NC Beaufort	88.7 NEW	WBAU	VA Gloucester Courthouse	89.9	WHRX	WHRJ
NC Jacksonville	98.7 WLGD	WRMR	WV Beckley	88.7	NEW	WBWV
ND Gackle	99.1 NEW	KOYD	WI Waupaca	91.5	NEW	WAUP
ND Grand Forks	94.7 KNOX-FM	KZGF	WY Lyman	104.7	KYLZ-FM	KZNS-FM

TRANSLATORS and BOOSTER STATIONS

C CALL LETTER CHANGES C

	Old Call	New Call				
AZ Tuba City	98.1 K252ES	K251BD	MO Brookfield	101.9	K216GD	K270BF
CA San Francisco	102.1 KDFC-FM2	KUZX-FM2	MO Butler	99.3	K204FQ	K257DZ
CO Atwood	92.5 K220HJ	K223BV	MO Mooresville	94.7	K232EG	K234BW
CO Estes Park	88.9 K215BE	K202EG	NV Las Vegas	91.9	K215EN	K220JW
CO Loveland	101.7 K215ER	K269EQ	NY Poughkeepsie	106.9	W255BY	W295BK
CT Bolton	97.1 W248AB	W246CC	NY Red Hook	105.9	W256BI	W290BZ
FL Jupiter	106.9 W294AM	W295BJ	NY Speculator	97.5	W297BP	W248BL
FL Mount Dora	95.7 W240BV	W239BS	NY Warwick	93.5	W256BD	W228CG
FL Tavares	95.9 W212BF	W240CM	ND Williston	89.1	K203DU	K206EI
GA Cochran	96.7 W246BR	W244CL	PA New Albany	107.7	W297AY	W299BM
GA Hartwell	107.7 W300AY	W299BK	SD Pierre	89.5	K209FJ	K208FM
HI Lihue	89.7 K208FK	K209FK	TX Henly	100.1	K260BC	K261DW
ID Pocatello	107.5 K299AH	K298BE	TX Pearsall	104.1	KRIO-FM1	KSAH-FM1
IL Peoria	100.3 W259BE	W262BY	TX Plainview	91.1	K220JM	K216GG
IL Quincy	89.7 W210BW	W209CH	TX Tulia	94.3	K235AR	K232EE
IA Northwood	101.9 K271AI	K270BQ	UT Bountiful	104.7	KYLZ-FM4	KZNS-FM4
IA Storm Lake	88.9 K202DW	K205FC	UT Provo	104.7	KYLZ-FM2	KZNS-FM2
KS Healy	89.3 K203DF	K207ET	UT Salt Lake City	104.7	KYLZ-FM1	KZNS-FM1
LA Slidell	97.7 K248BA	K249EI	WA Ephrata, etc	94.7	K232AN	K234BU
MA Fitchburg	105.3 W288CE	W287BT	WA Hoquiam	101.7	K298BD	K269FT
ME Portland	100.5 W300BN	W263BZ	WA Hoquiam	102.5	K220JQ	K273BV
MS Greenville	101.1 K266BY	W266BY	WA Wenatchee	89.5	K207CS	K208EY
MO Braymer	95.3 K232EG	K234BW	WI Como	98.3	W254BS	W252CI

C FORMAT AND SLOGAN CHANGES C

C Full Power and LP Facilities C

AL Five Points 88.5 WJBE > Rock: *The Planet*
 AL Monroeville 88.9 WILF Signs on with Religion
 AZ Apache Junction 90.7 KVIT Signs on with Top 40: *90 point 7, The Goldmine*
 AR Prairie Grove 94.9 KYNF > Hot Adult Contemporary: *KRUZ @ 94 point 9*

CA Adelanto	92.7	KAJL	> Adult Hits: <i>Playlist 92 point 7</i>
CA Fountain Valley	92.7	KJLL-FM	> Adult Hits: <i>Playlist 92 point 7</i>
CA Thousand Oaks	92.7	KHJL	> Adult Hits: <i>Playlist 92 point 7</i>
CA Angwin	89.9	KNDL	> Classical // KUSF 90.3 San Francisco
CA Pala	91.3	KOPA	Signs on with Variety: <i>Pala Community Radio</i> [Pala Band of Mission Indians]
CA San Francisco	90.3	KUSF	> Classical
CA San Francisco	102.1	KUZX	> Classic Rock: <i>K-Fox</i> // KUFX 98.5 San Jose
CT Sharon	103.3	WQQQ	> News/Talk/Classical // WSHU-91.1
DE Bethany Beach	95.9	WOSC	> Top 40: <i>Kiss</i>
DE Fenwick Island	92.1	WLBW	> Contemporary Christian: <i>K-Love</i>
FL Marathon	94.3	WGMX	> Oldies: <i>Oldies Channel</i>
FL Orlando	96.5	WHTQ	Remains Classic Rock, but is now <i>96 Rock</i>
FL St. Augustine Beach	105.5	WSJF	> AAA
GA Smithboro	89.1	WAKP	Signs on with Religion: <i>Glory FM</i>
HI Honolulu	93.1	KMQ-FM	> Reggae: <i>93 point 1, Da Pa'ina</i>
ID New Plymouth	93.1	KTIK-FM	> Sports: <i>The Ticket</i> // KTIK-1350 Boise
ID Sandpoint	88.5	KRFY	Signs on as <i>Sandpoint Community Radio</i>
IL Chicago	97.9	WLUP-FM	> Classic Rock, remaining <i>97 point 9, The Loop</i>
KS Great Bend	88.1	KRTT	Signs on with Religious Teaching // KREJ-101.7 Medicine Lodge
KY Ashland	91.1	WKAO	> Contemporary Christian: <i>Walk FM</i>
KY Garrison	98.3	WOKE	> Contemporary Christian: <i>Walk FM</i>
LA Bunkie	104.3	KEZP	> Talk: <i>104 point 3, The Truth</i>
LA Cotton Valley	88.5	KLHV	Signs on with Contemporary Christian: <i>EMF-s K-Love</i>
LA New Roads	88.3	KPCP	Signs on with Variety
MD Salisbury	105.5	WDKZ	> Contemporary Christian: <i>K-Love</i>
MA Bayview	88.5	WPMW	Signs on with Religion: <i>EWTN</i>
MS Kosciusko	105.1	WJDX-FM	> Oldies: <i>Oldies 105 point 1</i>
NE Crawford	88.1	KCFD	Signs on with Classic Rock: <i>Variety Rock, 88 point 1</i> // KVKR 88.3 Pine Ridge, South Dakota
NE Norfolk	91.7	KLSB	Signs on with Contemporary Christian: <i>K-Love</i>
NE North Platte	89.3	KJTF	Signs on with Southern Gospel: <i>King Jesus Today Forever</i>
NV Moapa Valley	92.7	KRRN	> Regional Mexican: <i>El Gato 92 point 7</i>
NH Claremont	106.1	WHDQ	> Classic Rock
NH Littleton	106.3	WMTK	> Classic Hits
NH Whitefield	99.1	WNYN-FM	> Adult Hits: <i>Free</i>
NM Belen	97.7	KDLW	> Contemporary Christian: <i>97 point 7, Shine FM</i>
NY Elmira	88.1	WMTQ	Signs on with Religion: <i>EWTN</i>
NY Stamford	90.1	WANZ	Signs on with NPR News/Talk // WAMC-FM 90.3 Albany
OH Cleveland	106.5	WHLK	> Adult Hits: <i>The Lake</i>
OH Middletown	105.9	WPFB-FM	> Adult Alternative // WNKU 89.7 Highland Heights
OH Portsmouth	104.1	WPAY-FM	> Adult Alternative // WNKU 89.7 Highland Heights
OK Ada	91.9	KOUA	Signs on with NPR News/Talk // KGOU 106.3 Norman
OK Cleveland	91.1	KJOG	> Religion: <i>Glory FM</i>
OR Government Camp	94.3	KZZR	Signs on, after relocating from Tillamook, with Regional Mexican: <i>La Zeta 94 point 3</i>
OR Grants Pass	107.9	KJCR-LP	Signs on with Religious Teaching
OR Hines	89.1	KQDL	Signs on with Religious Teaching: <i>CSN International</i>
PA Kane	103.9	WVTT	> News/Talk
SC Bluffton	106.9	WGZR	Is now <i>Bob 106 point 9</i>
SD Lake Andes	89.5	KDKO	Signs on with limited programming from an MP3 player at the transmitter site, but hopes to begin regular programming soon. The station will carry the <i>Dakota Talk Radio</i> programming that's been heard online for four years.
SD Pine Ridge	88.3	KVKR	Signs on with Classic Rock: <i>Variety Rock 88</i> // KCFD 88.1 Crawford, Nebraska
SD Rosebud	88.1	KOYA	Signs on; Rosebud Sioux Tribe
TN Chattanooga	96.5	WDOD-FM	Remains CHR, but is now <i>Hits 96</i>
TN Dickson	91.5	WNRZ	> Religion: <i>Bott</i>
TN Memphis	87.7	WPGF	> Talk // WMPS-1210 Bartlett
TN Murfreesboro	89.5	WMOT	> Classical (days) added to its Jazz/NPR programming
TN Nashville	89.1	WECV	> Religion: <i>Bott Radio</i>
TX Cedar Lake	89.9	KQVI-FM	Signs on with Spanish Religion: <i>Radio Vida</i>
TX Breckenridge	89.9	KQXB	Signs on with Soft Adult Contemporary: <i>QX FM</i>
TX Eastland	91.1	KQXE	Signs on with Americana: <i>The Texan</i>
TX McQueeney	97.7	KLTO-FM	> Top 40: <i>Party 97 point 7</i>
TX Stephenville	89.1	KQXS	> Americana: <i>The Texan</i>
VT Barrie	107.1	WORK	> Classic Hits: <i>Frank</i>
VT Derby Center	92.1	WMOO	> Hot Adult Contemporary
VT Lunenburg	93.7	WOTX	> Country: <i>Outlaw</i>
VT Lyndon	97.7	WGMT	> Adult Contemporary
WV Blennerhassett	88.7	WPJY	> Contemporary Christian: <i>Walk FM</i>
WV Hurricane	91.5	WPJW	> Contemporary Christian: <i>Walk FM</i>
WV Point Pleasant	88.1	WVRR	> Contemporary Christian: <i>Walk FM</i>
WY Lyman	104.7	KYLZ	> Sports: <i>1280, The Zone</i> // KZNS-1280 Salt Lake City, Utah
WY Warren AFB	92.9	KOLT-FM	Returns to the air with Hot Adult Contemporary: <i>The Boss, 92 point 9</i>

C Translator and LP Facilities C

Carries the programming of:

AL Bay Minette	106.9	W295AP	WBHY-FM 88.5 Mobile
AL Northport	105.1	W286AQ	WZZK 104.7 Birmingham
AZ Lake Havasu City	106.3	K292GC	KJJJ 102.3 Laughlin
AR Stuttgart	99.7	K259BZ	KBDO 91.7 Des Arc

CO Cortez	92.3	K222AD	KIQX 101.3	Durango
CO Lakewood	93.7	K229BS	KCKK-1150	Littleton
CT Danbury	107.3	W297AN	WXCI 91.7	Danbury
FL Everglades City	98.1	W251BL	WSRX 89.5	Naples
FL Mount Dora	95.7	W239BS	WPYO 95.3	Maitland
FL Stockade	92.9	W225BI	WECC 89.3	Folkston, Georgia
FL Vero Beach	107.9	W300BQ	WZTA-1370	Vero Beach
GA Albany	94.3	W232BI	WHHR 92.1	Vienna
GA Atlanta	93.7	W229AG	WCNN-680	North Atlanta
GA Ellijay	105.1	W286BD	WLJA 101.1	Ellijay
GA Milledgeville	90.9	W215CF	KAWZ 89.9	Twin Falls, Idaho
GA Union	94.7	W234BQ	WGZZ 94.3	Waverly, Alabama
IL Decatur	98.1	W251BN	WYDS 93.1	Decatur
IN Auburn	99.9	W260BR	WLAB 88.3	Fort Wayne
IN Martinsville	94.1	W231BT	WMYJ-1540	Martinsville
IN Spencer	100.3	W262BA	WQRA 90.5	Greencastle
KS Chanute	97.3	K247AT	KKOY-1460	Chanute
KY Lexington	94.9	W235AK	WMJR-1380	Nicholasville
KY Prestonsburg	102.5	W273BC	WXCC 96.5	Williamson, West Virginia
LA Timberlane	105.7	K289AM	KGLA-1520	Gretna
ME Lincoln	98.7	W254BR	WWWA 95.3	Winslow
MS Byhalia	103.1	W276BH	WKNO-FM 91.1	Memphis, Tennessee
MS Greenville	101.1	W266BY	WNIX-1330	Greenville
MT Billings	97.5	K248BL	KURL-730	Billings
MT Missoula	93.7	K229BU	KJCG 88.3	Missoula
NH Littleton	91.3	W217BH	WEVO 89.1	Concord
NH Littleton	94.1	W231BW	WOTX 93.7	Lunenburg, Vermont
NH Littleton	95.3	W237CR	WXXS 102.3	Lancaster
NM Albuquerque	105.5	K288CX	KKRG 101.3	Albuquerque
NM Gallup	94.9	K235BR	KYVA-1230	Gallup
NM Lordsburg	92.9	K243BH	KSCQ 92.9	Silver City
NV Elko	101.1	K266AB	KEBG 103.9	Spring Creek
NV North Las Vegas	98.1	K251BS	KWTH 91.3	Barstow
NV Reno	101.7	K269FC	KLRH 88.3	Sparks
NY Chester	94.1	W231BP	WLJP 89.3	Monroe
NY Hauppauge	94.9	W235BB	WLIX-LP 94.7	Ridge
NY Selden	104.5	W283BA	WLIX-LP 94.7	Ridge
NY Shirley	96.5	W243BF	WLIX-LP 94.7	Ridge
NC Raleigh	89.3	W207CB	KRTM 88.1	Yucca Valley, California
OK Enid	102.1	K271BQ	KGOU 106.3	Norman
OR Union	93.7	K229BN	KGTS 91.3	College Place, Washington
PA Towanda	93.5	W228CH	WZKN 96.9	Ridgebury
PA Ulster	107.3	W297BG	WZKN 96.9	Ridgebury
PA Warren	100.7	W264AT	WYVL 88.5	Youngstown, Ohio
TN Cleveland	105.9	W290CA	WTSE 91.1	Benton
TN Memphis	96.7	W244BY	KJMS 101.1	Olive Branch, Mississippi
TN Millington	105.5	W288BJ	WLRM-1380	Millington
TX Mexia	92.1	K221FI	KLRK-1590	Mexia
TX Mexia	101.5	K268BQ	KSUR 88.9	Mart
TX Round Rock	90.9	K215FD	KHCB-FM 105.7	Houston
TX West Lake Hills	95.1	K236AY	KTXH-HD4 104.9	Bee Cave
WA Ephrata	103.9	K280BI	KGTS 91.3	College Place, Washington
WA Ephrata	107.1	K296BP	KGTS 91.3	College Place, Washington
WA Leavenworth	91.3	K217AJ	KNWR 90.7	Ellensburg
WY Laramie	98.3	K252EA	KLWV 90.9	Chugwater
WY Laramie	99.5	K258BB	KUNC 91.5	Greeley

C OTHERNEWS C

AK Bethel	98.3	-----	Application dismissed for a new station
AK Fairbanks	88.5	K203CT	License cancelled; call deleted due to new full power station on 88.5 here
AR Batesville	88.1	KBAP	Is silent
AR Hot Springs	91.5	KALR	Fined \$7000 for failing to file for license renewal in a timely manner and subsequent unauthorized operation
AR Kensett	105.7	KFXV	Is silent
CA Fall River Mills	107.9	KKLC-FM1	License cancelled; call deleted
CA Irvine	103.9	-----	Application for a new LPFM dismissed
CA Kernville	102.5	KCNQ	Fined \$7000 for failing to file for license renewal in a timely manner and subsequent unauthorized operation
CA Lafayette	102.1	KUZX-FM1	License cancelled; call deleted
CA Lake Isabella	104.5	KVLI-FM	Fined (collectively along with co-owned KQAB-1140) \$14,000 for failing to file for renewal in a timely manner and subsequent unauthorized operation
CA Los Angeles	96.3	KFSG-FM	The former owners of this station and its AM sister station KFSG-1150 have been fined \$10,000 for repeated tower lighting violations (the stations are now KXOL 96.3 and KTLK-1150)
CA Port Hueneme	99.1	-----	Application dismissed for a new LPFM
CA Porterville	98.1	-----	Application dismissed for a new LPFM
CA Stockton	95.7	-----	Application dismissed for a new LPFM
CA Turlock	90.9	KBDG	Is silent
CA Yucca Valley	103.7	-----	Application dismissed for a new LPFM
CO Creede	88.9	KRIX	Is silent
CT Westport	90.3	WWPT	Fined \$5600 for failing to file for license renewal in a timely manner and subsequent unauthorized operation
FL Florida City	104.3	-----	Applications (2) dismissed for a new LPFM
FL Key West	89.1	WLSZ	License cancelled; call deleted
FL Palatka	101.1	-----	Application dismissed for a new LPFM
FL Verna	100.5	-----	Application dismissed for a new station
GA Lavonia	105.3	-----	Application dismissed for a new LPFM
GA Moultrie	102.7	-----	Application dismissed for a new station
HI Captain Cook	96.9	-----	Application dismissed for a new station
HI Honokaa	107.9	-----	Application dismissed for a new station

HI	Kailua	101.1	-----	Application dismissed for a new station
HI	Kapaa	101.1	-----	Application dismissed for a new station
HI	Keeau	103.5	-----	Application dismissed for a new station
HI	Waialua	101.1	-----	Application dismissed for a new station
ID	Coeur d'Alene	106.9	-----	Application dismissed for a new station
ID	Lava Hot Springs	92.1	K221CE	License cancelled; call deleted per applicant's request
ID	Sandpoint	97.7	-----	Application dismissed for a new station
IL	Chillicothe	94.3	WPMJ	Is silent
IL	Grant Park	101.5	-----	Application dismissed for a new LPFM
IL	Rosemont	88.1	WTZI	Is silent
LA	Baton Rouge	96.9	WHYR-LP	Fined the former operator of this station \$20,000 for engaging in an unauthorized transfer of control of the station
MN	Alexandria	98.5	-----	Application dismissed for a new LPFM
NE	Lincoln	89.1	KLBF	Is silent
NH	Meredith	107.9	-----	Application dismissed for a new LPFM
NJ	Passaic	102.3	Pirate	Fined an individual \$10,000 for operating an unlicensed radio transmitter
NM	Quay	91.3	K217BY	License cancelled; call deleted per applicant's request
NM	Skyline-Ganipa	95.7	KANM	License cancelled; call deleted
NM	Tucumcari	104.5	K283AC	License cancelled; call deleted per applicant's request
NC	Rutherfordton	106.1	-----	Application dismissed for a new LPFM
OR	Cannon Beach	100.7	-----	Application dismissed for a new station
OR	Clatskanie	104.7	-----	Application dismissed for a new station
OR	Condon	92.1	-----	Application dismissed for a new station
OR	Hood River	99.9	-----	Application dismissed for a new station
OR	Merrill	94.7	-----	Application dismissed for a new station
OR	Ontario	101.1	-----	Application dismissed for a new station
OR	Seaside	99.7	-----	Application dismissed for a new station
OR	Silver Lake	103.1	-----	Application dismissed for a new station
PA	Erie	95.5	-----	Application dismissed for a new LPFM
PA	Philadelphia	91.7	WKDU	Fined \$8000 (initially \$10,000) for failing to file for renewal in a timely manner and subsequent unauthorized operation
PA	Scranton	104.9	WWRR	Fined \$10,000 for failing to install required Emergency Alert System equipment
PR	San Juan	93.7	WZNT	Fined \$25,000 for broadcasting telephone conversations without giving prior notice to the individuals being called that the conversations would be aired
SC	Conway	95.3	-----	Application dismissed for a new station
SC	Greenwood	101.9	-----	Application dismissed for a new station
SC	Loris	94.9	WVCO	Is silent
SC	Williston	94.7	WAAW	Fined \$4,000 for broadcasting multiple phone conversations without giving prior notice to the people involved
SD	Beresford	101.5	-----	Application dismissed for a new LPFM
SD	Rapid City	97.9	KTPT	Is operating at reduced power due to ice damage sustained to their antenna on January 16 [tower common with KSLT]
SD	Sisseton	102.9	KBWS-FM	Is operating at reduced power at an alternate site due to ice damage sustained to their main antenna
SD	Spearfish	107.3	KSLT	Is operating at reduced power due to ice damage sustained to their antenna on January 16 [common tower shared with KTPT]
TN	Clinton	89.9	WDVX	A fine of \$10,000 assessed against WDVX has been cancelled
TX	Albany	98.9	KNOS	License cancelled; call deleted
TX	Andrews	90.0	K215BG	License cancelled; call deleted per applicant's request
TX	Gatesville	88.1	KVLW	Is silent
TX	Harlingen	103.3	-----	(2) Applications dismissed for new station
TX	Jacksonville	95.1	-----	Application dismissed for a new station
TX	Kerrville	93.1	-----	Application dismissed for a new station
TX	Kerrville	93.5	-----	Application dismissed for a new station
TX	Lamb County	103.3	-----	Application dismissed for a new LPFM
TX	Linn	107.1	-----	Application dismissed for a new LPFM
TX	Longview	104.9	-----	Application dismissed for a new LPFM
TX	McCook	91.5	KCAS	Fined \$8000 (initially \$10,000) for failing to file for renewal in a timely manner and subsequent unauthorized operation plus other violations
TX	Olney	104.3	KAHA	License cancelled; call deleted
TX	Orange	107.1	-----	Application dismissed for a new station
TX	Padre Island	107.9	-----	Application dismissed for a new station
TX	Paris	105.5	-----	Application dismissed for a new station
TX	Pearsall	101.5	-----	Application dismissed for a new station
TX	Pearsall	103.3	KSAG	Is silent
TX	Port Lavaca	105.9	-----	Application dismissed for a new LPFM
TX	Sweetwater	96.7	KXOX-FM	Cancelled a \$14,000 fine levied against KXOX-FM and its sister AM for late filing of their renewal applications and subsequent unauthorized operation
TX	Trinity	98.1	KKUL-FM	License cancelled; call deleted
TX	Waco	99.1	-----	Application dismissed for a new station
TX	Wellington	98.5	KXME	License cancelled; call deleted
TX	Willis Point	95.5	-----	Application dismissed for a LPFM
VA	Washington	97.7	-----	Application dismissed for a new station
WA	Northport	94.3	K232AU	Application dismissed for a new station
WA	Northport	100.5	-----	Application dismissed for new LPFM
WI	Neenah	95.1	-----	Application dismissed for a new station
WY	Douglas	92.5	KDAD	Is silent
WY	Green River	103.5	-----	Application dismissed for a new LPFM

 Thanks to Shawn Axelrod, Bruce Elving, Glenn Hauser, Deane McIntyre, Radio World Online and Upper Midwest
 Broadcasting for news.

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

FCC FM FACILITIES

March 2011

AF	Applied For (a new station)	PC	Power (and/or tower height) change on the air
Aux	Auxiliary (backup) transmitter	PG	Power change granted
CC	Callsign change	PR	Power change requested
CL	City-of-license change	RA	Returns to the air
DE	License/permit deleted	RE	Reinstated (previously-dismissed app.)
FC	Programming (format) change	ROA	Request of Applicant
FTP	Failure to Prosecute	SI	Off the air (silent)
LC	License to Cover	STA	Special Temporary Authority
NS	Permit granted for new station	XC	Transmitter site changed
NW	New station on the air	XG	Transmitter site change granted
PA	Proposed Amendment	XR	Transmitter site change requested

Changes:

AK Juneau	88.1	KCAI	PG<1.7kw/-343m	CA Willow Creek	99.5	NEW	GA, class A, to allow 98.7 to move to Loleta
AK Juneau	89.7	KLSF	PG<1.7kw/-343m	CA Yucaipa	90.1	KLRD	PG 593w/1045m, 34-03-46/116-53-35
AK Juneau	90.5	KGCF	PG<1.7kw/-343m	CA Yucca Valley	90.5	NEW	NS 6kw/-77m, 34-07-51/116-22-12 (5.
AK Ninilchik	88.5	KCOC-FM	QG from 88.3, 600w	CO Brush	90.5	KBEI	NW 500w/16m, 40-17-18/103-33-15
AK Ninilchik	88.5	KCOC-FM	QR from 88.3, 600w	CO Calhan	104.7	KKHN	PR>1.55kw/198m; amendment from 6kw/100m & to drop site change
AK Nome	89.3	KQQN	PG<600w-V (drop H)/-22m	CO Estes Park	88.7	KFCY	PG<100w/-49m, 40-21-44/105-31-04
AK Red Dog Mine Port	91.5	NEW	PG<61w	CO Fruita	99.9	KEKB	PC>471m
AK Red Dog Mine Port	91.5	NEW	QR from 91.9, 610w/17m, 67-35-52/163-59-32 dismissed 73.211	CO Granby	89.1	KLLM	PR>7kw dismissed
AK Red Dog Mine Port	91.5	NEW	QR from 91.9, 61w/17m, 67-35-52/163-59-32; amendment from 610w (which would have been ungrantable)	CO Grand Junction	104.3	KMXY	PC>446m
AK Red Dog Mine	91.1	NEW	PG 61w/-22m, 68-04-24/162-51-03	CO Grand Junction	107.9	KBKL	PC>453m
AK Seldovia	88.1	NEW	PG>600w	CO Montrose	96.1	KSTR-FM	AF 250w/-92m, 38-28-08/107-53-05 (aux), amendment from -90m
AK Seldovia	88.1	NEW	PR>600w	CT Sharon	91.9	WHDD-FM	PC<-19m, 41-53-32/73-27-16
AL Argo	88.1	WKRE	NW 1w-H/4kw-V/63m, 33-39-25/86-26-04	CT Wethersfield	90.9	NEW	PR 550w/85m, 41-46-44/72-27-57
AL Cullman	101.1	WYDE-FM	PG>461m CX (remains 410m)	FL Boynton Beach	89.3	WRMB	NS 22.5kw/124m (aux)
AL Tuscaloosa	88.9	WMFT	req. 17.5kw-H. (is currently V-only)	FL Orange Park	91.7	WTRJ-FM	PC 8.6kw/171m, 30-16-51/81-34-13
AB Plamondon/Lac La Biche	92.1	NEW	AF 1.215kw/128m, French community st.	FL Orlando	92.3	WWKA	NS 96.4kw/391m (aux)
AR Cash	106.3	KJBX	QC from 106.7, 25kw/95m	FL Orlando	96.5	WHTQ	NS 96.4kw/391m (aux)
AR Mena	88.9	KRMN	PG<15m, 34-35-35/94-13-16	FL Sarasota	104.3	WKZM	PG>25kw
AZ Douglas	95.3	KCDQ	PG<800w; PC	GA College Park	100.5	WNNX	PR 13.5kw/293m
AZ Phoenix	99.9	KESZ	AF 11kw/264m, 33-35-47/112-05-32 (aux)	GA Columbus	90.5	WFRC	PC>25kw/73m, 32-25-58/84-57-02
AZ Phoenix	99.9	KESZ	NS 11kw/264m, 33-35-47/112-05-32 (aux)	GA Ellijay	101.1	WLJA-FM	PG>19kw/84m
AZ San Carlos	94.1	KRDE	PC>4.7kw	GA Fort Benning South	99.3	WKCEN	PG 29kw/167m, 32-27-59/85-03-22
AZ Tucson	93.7	KRQQ	AF 7.5kw/607m (aux); NS	GA Norwood	91.5	WJGS	PG 14.3kw/70m, 33-30-14/82-46-13
AZ Tucson	93.7	KRQQ	NS 7.5kw/607m (aux); promptly rescinded	HI Hana	88.3	KIPH	PG>-42m, 20-45-04/156-00-17; drop V & go H-only
BC 100 Mile House	101.7	NEW	AF denied. Would have been country/rock hybrid. Market already has an AM station which wouldn't survive the competition.	HI Kahuku	107.1	NEW	PA, class C3, denied.
CA Acton	88.3	NEW	NS 100w-V/-96m, 34-28-09/118-06-43 (Santa Clarita Organization for Planning the Environment)	HI Kualapuu	107.1	NEW	GA, class C2.
CA Alameda	92.7	KREV	AF 180w/122m, 37-47-54/122-24-59 (aux)	HI Nanakuli	106.7	KNAN	GA from C3 to C2.
CA Alameda	92.7	KREV	NS 180w/122m, 37-47-54/122-24-59 (aux)	IA Ankeny	106.3	KPTL	PC>25kw
CA Angwin	89.9	KNDL	FC to classical // KUSF-90.3	IA Hiawatha	89.1	KXGM-FM	FC; sold to EMF & to be Air 1. Also affects six translators in eastern Iowa.
CA Camarillo	90.3	KMRO	PG>14.5kw	IA Story City	89.1	KHOI	PG>2.75kw
CA Cedarville	88.9	KVYA	NW 130w/-206m, 41-31-41/120-10-14	ID Ponderay	88.5	KRFY	NW 1.2kw/-116m, 48-18-16/116-32-32
CA Loleta	98.7	NEW	GA from 98.5 Willow Creek, Class C1	IL Eldorado	102.3	WEBQ-FM	PG>6kw/100m, 37-43-03/88-32-37
CA Lompoc	88.1	KLWG	PC>2.5kw/571m (add H, was V-only), 34-54-36/120-11-10	IL Le Roy	104.1	WBWN	NW 35kw/64m (aux)
CA Newman	90.7	NEW	NS 1.5kw/13m, 37-15-24/120-59-59 (West Side Theatre Foundation)	IL Oreana	88.9	WDCR	PG>1.1kw
CA Oxnard	89.1	KCRU	PR>850w/314m (aux)	IL Pontiac	88.3	WPJC	PG>3.5kw/172m, 40-44-13/88-30-47
CA San Andreas	90.7	NEW	NS 85w/510m, 38-01-13/120-35-05 (Blue Mountain Coalition for Youth & Families)	IN Battle Bround	88.9	NEW	NS 21kw/51m, 40-20-34/86-45-51 (Bethel Christian Life Center)
CA San Francisco	102.1	KDFC	FC to classic rock // KUFX-98.5	IN Edinbrough	100.3	WYGB	PC 4.9kw/110m, 39-21-45/85-54-23
CA San Francisco	90.3	KUSF	FC; sold to Classical Public Network LLC	IN Greencastle	90.5	WQRA	PG<8.1kw/136m, 39-35-22/86-33-02; add H (was V-only)
CA Stockton	100.1	KQOD	XC 37-59-48/121-12-16	IN Morristown	87.9	WJCF-FM	QR from 88.1, 25kw/32m, 39-47-08/85-45-48 dismissed
CA Temecula	88.9	KSDW	PC>270w/924m, 33-22-10/116-56-07	KS Belle Plaine	99.7	KANR	QG from 92.7
CA Temecula	88.9	KSDW	PG<924m	KS Derby	96.3	KZCH	NW 2.95kw-V/111m (aux)
CA Temecula	88.9	KSDW	PR<924m	KS Elkhart	91.5	KZMZ	QR from 91.3, 250w
CA Twentynine Palms Base	95.5	NEW	PR<3.8kw/70m	KS Goodland	88.9	KLXG	NW 200w-H/17m, 39-18-30/101-44-35
CA Twentynine Palms	105.3	KRSX-FM	PG<6kw/70m, 34-09-16/116-12-04	KS Great Bend	88.1	KRTT	NW 900w-V/39m, 38-21-46/98-45-50
				KS Manhattan	104.7	KXBZ	PG>50kw/149m
				KS Manhattan	104.7	KXBZ	PR>50kw/149m
				KS Topeka	100.3	KDVV	PG>451m
				KS Wellington	92.7	KWME	QG from 93.5, 3.5kw/133m, 37-20-08/97-27-53
				KY Lerosé	88.3	WOCS	FC; sold to religious group
				KY Lerosé	88.3	WOCS	PG>7.8kw/282m, 37-36-47/83-40-18
				KY Lerosé	88.3	WOCS	PR>7.8kw/282m, 37-36-47/83-40-18
				KY Middlesboro	92.7	WMIK-FM	PR 350w/410m, 36-35-39/83-47-42
				KY Morgantown	99.1	WWKN	PG>6kw/55m, 37-16-28/86-46-30
				LA Cotton Valley	88.5	KLHV	NW 32kw/135m, 32-42-19/93-38-24

LA Delhi	93.9	KGGM	QR from 93.5, 12kw/144m, 32-27-52/91-39-06	NY Cold Brook	91.1	NEW	Baptist Church)
LA Lafayette	90.9	KIKL	CX 3.5kw/138m, 30-14-25/92-04-26 & 8kw/91m, 30-14-41/92-04-16 (both aux)	NY Dolgeville	88.1	WVVC-FM	PG>560w/143m, 43-12-01/74-53-17 QR from 88.5, 1w-H/11kw-V/31m, 43-08-58/74-29-03
LA Lafayette	90.9	KIKL	PC 8.2kw/115m	NY Gouverneur	90.5	WSLG	PG>2kw/63m, 44-15-32/75-34-40
LA Wilson	90.9	WJVI	PG<1.3kw/57m, 30-56-30/91-06-38	NY Keeseville	94.1	NEW	GA, class A, from Morrisonville
MA Boston	100.7	WZLX	PG 3.8kw/255m (aux)	NY Morrisonville	94.1	NEW	GA, class A, rescinded. (returns to Keeseville)
MA Boston	104.1	WBMX	PG 3.7kw/255m (aux)	NY Port Dickinson	106.7	WRRO	NW 1.4kw/177m, 42-03-22/75-56-39 (aux)
MA	88.5	WRRS	PG<400w but add H	NY Rosendale	98.9	WGNY-FM	NW 1.35kw/213m, 41-50-27/73-59-25
Middleborough Center				NY Stamford	90.1	WANZ	NW 230w/-103m, 42-22-10/74-39-54 (WAMC)
MB Winnipeg	107.1	CFEQ-FM	PR>100kw/223m, 49-46-15/97-30-37	NY Stamford	90.1	WANZ	PG<230w/-103m, 42-22-10/74-39-54
ME North Yarmouth	98.9	WCLZ	AF 980w/110m, 43-41-17/70-15-27 (aux)	OH Cleveland Heights	92.3	WKRK-FM	NS 7.9kw/252m, 41-20-28/81-44-24 (aux)
ME North Yarmouth	98.9	WCLZ	NS 340w/110m, 43-41-17/70-15-27 (aux), amendment from 980w	OH Dublin	106.7	WCGX	NW 7kw/132m (aux)
ME Sanford	88.7	WSEW	PG>10kw	OH Geneva	89.5	NEW	NS 21kw/111m, 41-53-04/80-38-28 (Servants of Mary)
MI Burton	89.7	WTAC	PR 15kw-V/110m, 42-44-56/83-42-59; amendment to drop horizontal polarization, change power, and change site	OH Grove City	101.1	WOSA	granted conversion to non-commercial status (Ohio State University)
MI Burton	89.7	WTAC	PR>10kw H&V (add H)/135m, 42-47-02/83-32-05; amendment from 15kw-V/110m at different site	OH Kent	89.7	WKSU-FM	PC<12kw
MI Greilickville	88.3	WTCY	PR>7kw/135m	OH Kent	89.7	WKSU-FM	PR<2.2kw (aux)
MI Munising	89.7	NEW	NS 19kw/47m, 46-20-34/86-27-51 (Christianradiobroadcasting.org)	OH Middletown	105.9	WPFB-FM	FC; sold to WNKU
MI Paradise	95.1	WUPN	QR from 94.7, 71m, 46-27-58/84-43-09	OH Mowrystown	90.5	WAOM	PG<2kw/46m, 39-03-04/83-52-14
MI Traverse City	104.5	NEW	NS 870w/188m, 44-46-36/85-41-02 (The Macdonald Broadcasting Co.)	OH New Boston	104.1	WPAY-FM	FC; sold to WNKU
MN Bagley	90.5	KBXE	PR<50kw/122m, 47-31-48/95-13-27	OK Ada	91.9	KOUA	NW 1.5kw/82m, 34-42-31/96-44-24
MN Marshall	90.7	KOMH	PG<100w/-2m, 44-27-15/95-47-11	OK Beaver	91.9	KLXO	PG<100w/-22m, 36-49-03/100-31-36
MN Marshall	90.7	KOMH	PR<100w/-2m, 44-27-15/95-47-11	OK Cleveland	91.1	KJOG	NW 25kw-V/84m, 36-18-47/96-46-20
MN Richfield	101.3	KDWB-FM	NW 2.5kw-V/37m, 44-57-59/93-20-46 (aux)	OK Norman	89.3	KSSO	PR>5.9kw
MN Warroad	91.7	KOLJ-FM	PG<250w/-70m, 48-54-26/95-18-58	ON Brantford	93.9	CFWC-FM	request to flip from Christian format to rock denied
MO Boonville	93.1	KWJK	PG>16.5kw/124m	ON Toronto	88.1	CKLN-FM	Licence revoked over questions of control. Observers believe this may not be final.
MO Centralia	92.1	KMFC	PC>16kw	ON Toronto	98.7	NEW	AF 1kw/277m, English Caribbean/African. Previously authorized by CRTC but Department of Industry (the technical folks) wouldn't approve the 98.7 frequency due to CBLA-FM on 99.1. After tests last summer the Department has changed their mind.
MO Chillicothe	90.3	KCKE	NW 32kw/82m, 39-46-53/93-18-10 (license application seems to specify 32,000 kw!)	OR Cottage Grove	100.5	KDPM	FC; sold to Catholic Broadcasting Northwest
MO Moberly	90.1	KBKC	PC>330w/77m	OR Government Camp	94.3	KZZR	PC>3.4kw/513m, 45-20-01/121-42-45
MO Moberly	90.1	KBKC	PG>330w/77m	OR Grants Pass	107.9	NEW-lpfm	XR 42-27-25/123-21-12
MO Springfield	90.1	KSCV	PR>50kw	OR Portland	89.9	KQAC	PC>5.2kw
MP Garapan	91.5	KMOP	NW 620w/309m, 15-11-00/145-44-06 ("MP" = Northern Mariana Islands -- Saipan, in this case)	OR Portland	89.9	KQAC	PR>3.7kw, and then 4kw/473m (aux)
MP Garapan	91.5	KMOP	PR>325m	PA Dushore	103.9	WKNZ	PR>2.8kw/111m, 41-30-07/76-23-34
MS Carthage	98.3	WKOZ-FM	PG 17.5kw/120m, 32-50-00/89-20-51	PA Honesdale	90.9	WZZH	PC<110w/265m, 41-32-49/75-27-42
MS Greenville	91.9	WDSV	PG 1.5kw/105m, 33-24-21/90-59-30	PA Mount Cobb	90.3	WFTE	NW 3kw/12m, 41-23-09/75-24-10
MS Greenville	91.9	WDSV	PR 1.5kw/105m, 33-24-21/90-59-30	PA Pen Argyl	89.5	WWPJ	PG>500w/336m
MS Merigold	89.5	WXEC	PG<100w H&V (add H)/30m, 33-52-49/90-42-24	PA Susquehanna	100.5	WCDW	PG 1.6kw/196m
MS Oxford	105.1	NEW	NS 3.1kw/140m, 34-28-21/89-31-23 (George S. Flinn Jr.)	PA Wilkes-Barre	88.5	WRKC	PG>1.5kw/-140m, 41-14-56/75-52-45
MS Summit	93.5	NEW	AF 6kw/100m, 31-17-07/90-19-10 (Bowen Broadcasting)	QC Donnacona	?	NEW	AF denied, French community st.; would not originate enough local programming or sufficiently involve volunteers
NC Buxton	90.5	WBUX	PG>30kw/49m, 35-16-02/75-32-07	QC Saint-Jerome	102.9	NEW	NS 200w/47m, to relay CFOI-FM Quebec.
NC East Fayetteville	88.1	WWFJ	PG>2.5kw/41m	RI East Greenwich	91.5	WRJI	CX
NC Manteo	90.9	WURI	PG>50kw	SC Greenville	90.1	WEPR	permit for power/tower height change to 68kw/391m cancelled at request of station; remaining at old power/height.
NC Raeford	88.7	WRAE	PC>6kw H&V (add H)/144m	SC Hanahan	101.7	WAVF	AF 12.5kw/134m, 32-49-04/79-50-08 (aux)
NC Weaverville	105.9	WTMT	NS 200w/336m, 35-42-18/82-50-01 (aux) (use old main antenna as aux at lower power); NW	SC Hanahan	101.7	WAVF	NS 12.5kw/134m (aux)
NC Winfall	97.7	WGTI	PG>31kw/157m, 36-18-40/76-17-34	SC Murrells Inlet	88.3	WMBJ	PG>10kw H&V (was V-only)/117m, 33-35-47/79-00-20
NC Yadkin	90.3	WEAJ	PR<26m, 35-47-18/80-18-38; add 1kw-H (was V-only)	SC Murrells Inlet	88.3	WMBJ	PR>10kw H&V/117m, 33-35-47/79-00-20
NC Yadkin	90.3	WEAJ	XG 35-47-18/80-18-38; add 1kw-H (was V-only)/24m	SD Lake Andes	89.5	KDKO	PG<800w-H (drop V)/145m
NC Yadkin	90.3	WEAJ	XR 35-47-18/80-18-38; add 1kw-H (was V-only)/24m; amendment from 26m	SD Lake Andes	89.5	KDKO	PR<800w-H/145m
ND Williston	90.7	KJND-FM	PR<2kw/175m, 48-08-30/103-53-34	SD Onida	90.7	KGHW	PR<1.5kw/53m, 44-42-29/100-02-26; CL from Pierre
NE Chadron	90.5	KJZC	PG 1kw/13m, 42-49-14/102-59-48	SD Pine Ridge	88.3	KVKR	NW 10kw/133m, 42-49-47/102-39-08
NE Firth	93.7	KOLB	PC>6kw/71m, 40-34-57/96-37-15	SK Humboldt	107.5	NEW	NS 96kw/164m, 52-15-30/105-23-11; variety hits (Golden West); competing application from Fabmar Comms. for a classic rock
NE Hay Springs	107.7	NEW	PG<50kw/144m, 42-44-23/102-41-25	SK Estevan	106.1	NEW	NS 100kw/71m, 49-03-26/102-55-22 (same tower as CHSN-102.3); rock
NE York	90.3	KEIS	PG<1.6kw/66m, 40-49-42/97-42-59	TN Bluff City	92.9	WFHG-FM	QG from 92.7, 7.6kw/378m, 36-16-10/82-20-17
NH Wolfeboro	104.9	WLKZ	PG 560w/325m	TN Dickson	91.5	WNRZ	FC to Bott religion // WCRT-1160
NJ Barneгат Light	88.1	WZBL	PG>6kw-V (drop H)/10m, 39-44-56/74-06-42	TN Murfreesboro	89.5	WMOT	FC; adds several hours of daytime classical music
NJ Woodbine	89.9	WJPH	PG>1.7kw/50m, 39-15-37/74-52-35	TN Nashville	89.1	WNAZ-FM	PG>22kw/59m
NJ Woodbine	89.9	WJPH	PR>1.7kw/50m, 39-15-37/74-52-35	TN Nashville	89.1	WNAZ	FC to Bott religion // WCRT-1160
NM Clayton	90.1	KUHC	NW 120w-H/34m, 36-26-28/103-10-58	TX Alejandrenas	89.7	NEW	NS 14kw/66m, 26-39-53/99-06-14 (Maranatha Church of Laredo)
NM Clayton	90.1	KUHC	PG<120w/34m, 36-26-28/103-10-58				
NM Ruidoso	88.5	NEW	NS 870w/892m, 33-24-14/105-46-55 (KENW)				
NV Amargosa Valley	105.9	KZNV	NW 51kw-H/-19m, 36-38-33/116-23-53				
NV Fallon	89.9	KQNV	PG<600w/10m, 39-27-42/118-42-38				
NV Gerlach	91.5	KFBR	NW 600w/0m, 40-39-07/119-21-25				
NV Las Vegas	106.5	KSNE-FM	PR>452m				
NV Spring Creek	103.9	KEBG	NS 360w/474m (aux)				
NY Amherst	92.1	NEW	AF RE 1kw/50m, 42-56-46/78-49-39 (Lockport SDA Church)				
NY Amherst	92.1	NEW	AF RE 4.5kw/100m, 43-00-12/78-45-56 (Helen M. Randall Memorial				

(CONTINUED ON PAGE 31)



PHOTO NEWS

Jeff Kruszka, Editor
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March 2011

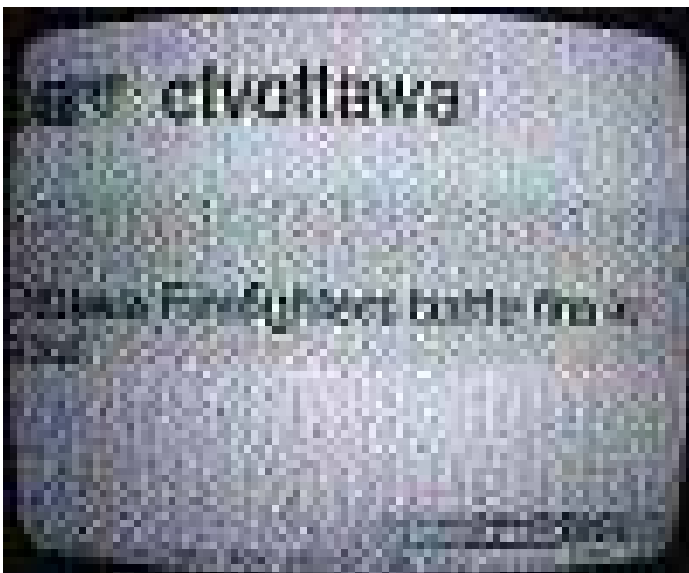
Good 'ol reliable Danny Oglethorpe sends us some more great stuff from Shreveport, LA. Keep up the good work, Danny! We start off with some nice E-skip from Canada:



CHFD-4 Thunder Bay, ON
 1138 mi Es seen 6/19/10



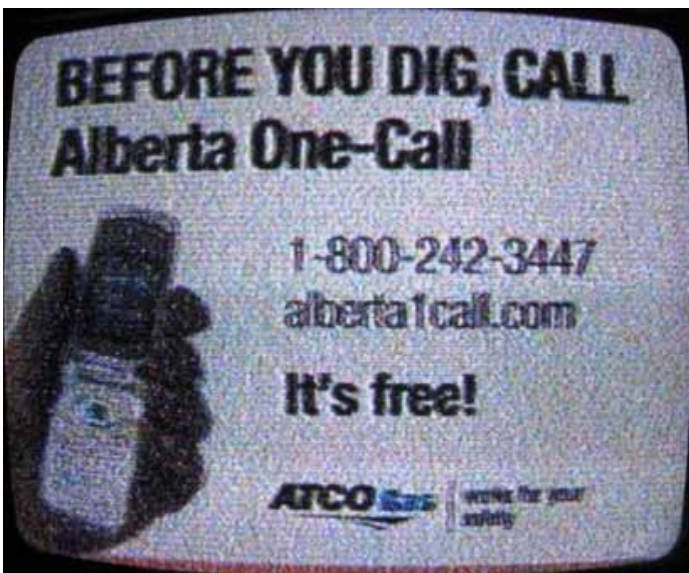
CITO-3 Timmins, ON
 1297 mi Es seen 7/8/10



CJOH-6-6 Deseronto, ON
 1215 mi Es seen 7/19/10



CKND2-2 Minnedosa, MB
 1276 mi Es seen 7/7/10



CFCN-4 Calgary, AB
 1651 mi Es seen 5/20/10
 "2nd most distant Es catch"
Nice!- jk



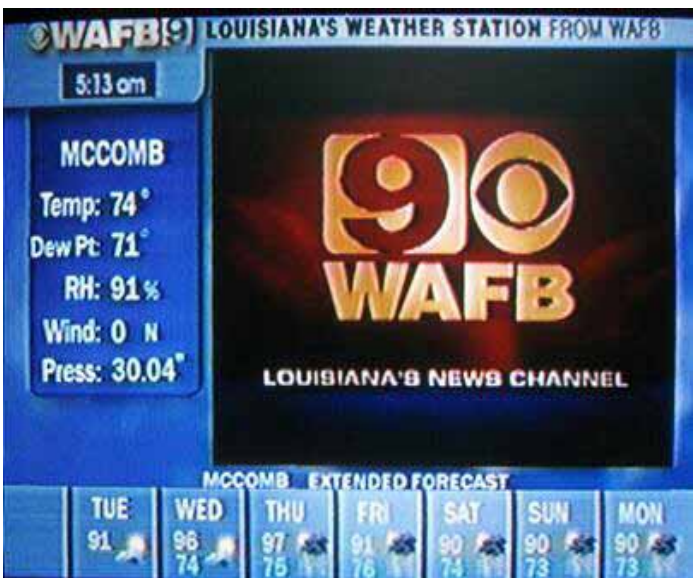
KUHT-8 Houston, TX
224 mi Tr seen 7/14/10



WVUE-8 New Orleans, LA
283 mi Tr seen 7/14/10



WBRZ Baton Rouge, LA
205 mi Tr seen 7/14/10



WAFB-9 Baton Rouge, LA
205 mi Tr seen 7/14/10



WYES-11 New Orleans, LA
283 mi Tr seen 7/14/10



WDSU-43 New Orleans, LA
283 mi Tr seen 7/14/10

More from Danny next month. 73's, JEFF



Coast to Coast TV DX

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

Send reports by the 15th of each month to:

Nick Langan

1040 Riverview Drive

Florence, NJ 08518

E-mail: nickl@wtfda.org (East) wtvdx@wtfda.org (West)

The Editor's Note

Finally...a touch of springtime weather and the kind of tropospheric enhancement that we haven't seen all winter long reached part of the country in February, particularly Texas and the deep south. On the 17th and 18th, DTV decodes from deep into Texas were reported in Kentucky, with paths up to 700 miles. The Gulf of Mexico should fuel more tropo openings in the next few weeks across these areas. For those in the north, it should be only another month or so before conditions pick up. We most certainly look forward to an active DX spring.

Dennis Park Smith

3605 San Remo Drive

Santa Barbara CA 93105-2523

Telephone (805)687-7803

Times 24-hour PST

This report is for January 2011. Conditions were unsettled in first half of month, but weather changes were quite subtle in second half. So-Calif coastal tropo to San Diego/Tijuana up to 220 miles:

Dec 29 - Jan 5	None	Some rain
Jan 6 - 7 morn	Poor	Calm but cool
Jan 7 aft - 10	None	Weak wx fronts
Jan 11 - 13	Very poor	
Jan 14 - 15	None	Windy
Jan 16 - 19 aft	Very poor	Warming
Jan 19 eve - 22	Fair	Somewhat calm
Jan 23 - 24	Very poor	
Jan 25 - 29	Poor + & -	
Jan 30 - 31	None	Some rain

All Mt-Wilson (greater Los Angeles) full-power DTV xmtrs are somewhere in this report of three receiving locations, as detailed below.

Jan 4 in SBarb: A listing of Los Angeles CA area stations seen at Don Voegel's place. He did some maintenance on & raised a few feet higher his VHF ant & UHF 5-ft dish. As analogs, these xmtrs were in different locations. Now as DTVs, regardless of city of license (I wasn't sure of this before), all transmit from Mt Wilson.

[Abbrevs: xmtr = transmitter, xltr = translator]

- d7 KABC-TV "7" Los Angeles (ABC) 90 mi east
- d29 KFTR-DT "46" Ontario (Telef) 90 E
- d31 KTLA "5" Los Angeles (CW) 90 E
- d32 KDOC-TV "56" Anaheim (indep) 90 E
- d33 KTBN-TV "40" Santa Ana (TBN) 90 E
- d34 KMEX-TV "34" Los Angeles (Uni) 90 E
- d35 KRCA "62" Riverside (Estrella) 90 E
- d36 KNBC "4" Los Angeles (NBC) 90 E
- d38 KPXN-TV "30" San Bernardino (lon) 90 E

d39 KVEA "52" Corona (Telem) 90 E
d42 KWHY-TV "22" Los Angeles (indep) 90 E
d43 KCBS-TV "2" Los Angeles (CBS) 90 E
d47 KAZA-TV "54" Avalon (Azteca Amer) 90 E
d48 KOCE-TV "50" Huntington Beach (PBS) 90 E
d49 KJLA "57" Ventura (LATV, Asian, etc) 90 E
d51 KXLA "44" Rancho Palos Verdes (Asian) 90 E

Also, these analogs (not as many as last year).
57 K57KF Van Nuys (Almavision) apx 90 mi E
67 KHTV-LP Inland Empire (HSN) 130 mi E

Plus, these (from Mt Wilson) continue to be seen only on Don's UHF 8-bay pointed west.
d11 KTTV "11" Los Angeles (Fox) 90 east
d13 KCOP-TV "13" Los Angeles (My) 90 E
All of these were seen plus more on drive to Los Angeles, below.

Jan 11 SBarb, a mystery, about noon, on Don's UHF dish, a steady digital signal (on signal bar) on d52, not strong enough for data or program.

Jan 15: Don & I drove in his car to Los Angeles area, to a Volvo car event in Huntington Beach, and to check TV signals with analog battery TVs and electric inverter (which changes 12 volts to 120 volts) feeding my LG 20" flat-screen. Many locals were seen, up to approx 50 miles (along with one more-distant signal).

First, battery TVs on L.A. roads gave us these analogs -

6 KSFV-LP Los Angeles (Almavision)
21 *XHTIT Tijuana (Azteca 7) apx 100 mi*
27 KNLA-LP L.A. (HSN)
57 K57KF Van Nuys (Almavision)
67 KHTV-LP Inland Empire (HSN)
No further analogs except CCI from Tijuana on chs 6,27,57.
All of these analogs were also seen at Hunt-Beach.

At Hunt-Beach (near sea level), the above DTVs were seen, plus -
d9 KCAL-TV "9" L.A. (indep)
d18 KSCI "18" Long Beach (Asian)
d24 KBEH "63" Oxnard (Spanish, some MTV3)
d28 KCET "28" L.A. (non-commercial, ex-PBS)
d41 KLCS "58" L.A. (City of L.A.) All from Mt Wilson.

Then, up on Signal Hill, near Long Beach, Hilltop Park (spectacular views at 340 ft ASL), all above Mt-Wilson xmtrs, plus LP DTVS -

d23 KSMV-LD "31" L.A. (xltr of KVMD d23 29-Palms)
d25 "KBBC" "25" (KBLM-LD Riverside/Perris?)
d46 KTAV-LD "35" Altadena
d50 KNLA-LD "20" L.A.

d52, **our mystery from SBarb**, KFLA-LD "8" L.A.

All day and a fun day in the L.A. area.

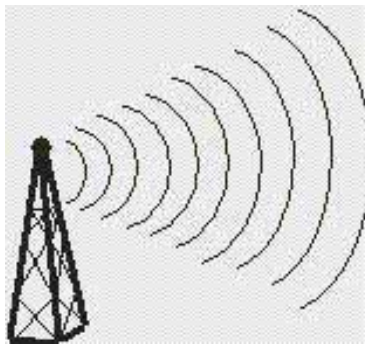
Jan 22: Don & I drove to Santa Ynez Mtns over SBarb up to 400 ft ASL (more great views) with portable TVs seeing analogs KHTV-LP 67 Inland Empire (130 mi) with tropo from Tijuana XETV 6 XEWT 12 XHAS 33 XHBJ 45 XHUA 57 (200 mi) XHDTV 49 Tecate (220 mi) & closer Ventura KUHD-LP 6 & possibly Santa Maria ch 6 from other side of mtns. No DTV--kinda frustrating--as the inverter didn't work in my car. We'll try again.

Don & I have played with various brands of flat-screen TVs & their remote controls, with their different menus & methods of operation. So far, we have tried LG, Sansui, Vizio, Coby, and Samsung. And so far, our opinion is that LG products (under brand names LG, Insignia, Zenith) are simpler to figure out & work with (especially in scanning & tuning), and perform nicely on DTV. However, while analog signals on all of these flat-screens aren't bad, analog-only TVs are better with weak or fluctuating signals & ease of operation.

Best of DX to All

Dennis

Northern FM DX



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

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

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

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

***Formats can either be plain text, Word or Excel as long as format is adhered to. Any submissions in other formats may not be used at editor's discretion.
All Submissions must be in to me by the 10th of each month.***

Jeff Falconer - Clinton ON EN93fo

Quadrantids meteor shower produced a few new ones & finally had some winter Es on Jan 9.

Help with unids to jeff@cabletv.on.ca

Jan 03 Ms Quadrantids

0713	WDXB*	102.5	Pelham	AL	".on 'The Bull.'" 758
1314	KEZK	102.5	Saint Louis	MO	RDS PI: KEZK / PTY: Adult Hits, prev Es 574
1349	WRQO*	102.1	Monticello	MS	TLK, RDS PS: WRQO / PI: WRQO / PTY: Talk
1517	CBH	102.7	Halifax	NS	Several burst mentioning "CBC Radio 2 Drive" 890
1741	KZTH	88.5	Piedmont	OK	".in Elk City and Clinton." 1045
1752	WJSU	88.5	Jackson	MS	Jazz, RDS PS: COOL AND CURRENT / PI: WJSU / PTY: Jazz, prev by Es 911
1753	KLJC	88.5	Kansas City	MO	Same burst above, ".on Calvary 88.5." 741
2329	WJBT	93.3	Callahan	FL	Bogus RDS PI: 'KEUB' 900

Jan 03 Tr

0831	WMDH	102.5	New Castle	IN	C&W, "Today,s Hit Country 102.5 WMDH"
1329	{WWCD}	102.5	Baltimore	OH	Classic rock, "CD-101", ex WCVZ 272
1402	WLBC	104.1	Muncie	IN	Legal ID 310
1822	WNNF	93.3	Cincinnati	OH	"Frequency 941" 346

Jan 04 Ms Quadrantids

0045	WALR*	104.1	Greenville	GA	RDS PI: WALR / PTY: Soft R&B 726
0057	KKDA	104.5	Dallas	TX	RDS PI: KKDA / PTY: R&B 1130
0115	WZZN	97.7	Union Grove	AL	".ESPN Radio 97.7 and at espnradio.com.", 950 w 686
0153	WMRK*	107.9	Shorter	AL	".alabama.gov or WMRK." 814
0213	WZNS	96.5	Fort Walton Beach	FL	RDS PS: artist song / PI: WZNS / PTY: Top 40
0218	WBZE	98.9	Tallahassee	FL	RDS PS: STAR PI: WBZE / PTY: Adult Hits
0219	WSLQ	99.1	Roanoke	VA	RDS PI: WSLQ / PTY: Adult Hits 449
0226	KXKC	99.1	New Iberia	LA	".on Acadiana's country music leader." 1083
0308	CHNI t	88.9	Moncton	NB	Probably the one with Canadian sports scores" 766
0327	WCIB*	101.9	Falmouth	MA	Joan Jett tune, RDS PI: WCIB / PTY: Adult Hits 576
1206	WSYE	93.3	Houston	MS	RDS PI: WSYE / PTY: Adult Hits 787

1214	WFLZ	93.3	Tampa	FL	".in Tampa and Lakeland.", prev by Es 1088
1240	KWFX	100.1	Woodward	OK	C&W, RDS PI: KWFX 1072

Jan 04 Tr

0137	WDSJ	106.5	Greenville	OH	Rare, "The New Big 106-5", Steppenwolf tune, RDS PS: Big 106.5 / PI:WDSJ / RT: artist/song / PTY: Oldies 287
0201	WCHO	105.5	Wash Court House	OH	C&W, RDS PS: WCHO-FM / PI: WCHO 307
1715	WAKW	93.3	Cincinnati	OH	REL:AC, "Star 93-3"

Jan 06 Tr

1218	{WLXX}	92.9	Lexington	KY	Ads for central KY, "92-9 The Bear", ex WVLK 413
1255	WGGE	99.1	Parkersburg	WV	Strong, ad for Warner Kia 299
1420	WJPA*	95.3	Washington	PA	Calls 246

Jan 06 Ms

1246	WINK	96.9	Fort Meyers	FL	Ads, RDS PI: WINK / RT: artist/song / PTY: Adult Hits, prev by Es 1159
1421	WFRK*	95.3	Quinby	SC	".Frank FM 95.3.'" 654

Jan 07 Ms

0013	WAFT	101.1	Valdosta	GA	RDS PS: WAFT / PI: WAFT / PTY: Religious music, prev by Es 886
1316	WAVH*	106.5	Daphne	AL	Pings of Clark Howard Show //stream 957
1606	KQXL	106.5	New Roads	LA	RDS PS: CLASSIC SOUL / PI: KQXL / PTY: Soft R&B, prev by Es 1040

Jan 07 Tr

0016	{WOSA}	101.1	Grove City	OH	CLA music //WOSU-89.7, ex WWCD 274
1209	WNND*	103.5	Pickerington	OH	Oldies //stream 260
1309	WNNP*	104.3	Richwood	OH	Over WOMC with oldies //WNND-103.5, "Columbus' Greatest Hits 103.5 and 104.3

Jan 08 Tr

0001	WOUB	91.3	Athens	OH	Legal ID 298
1630	{WFGF}	92.1	Wapakoneta	OH	Ads, C&W, ex WZOQ 243
2015	WAZY	96.5	Lafayette	IN	AC, "Z-96.5" 364

Jan 08 Ms

1951	WKBU	95.7	New Orleans	LA	Matches to yes.com 1054
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Jan 09 Ms

0147	WMJJ	96.5	Birmingham	AL	RDS PI: 'KCAD' / PTY: Soft Rock 758
1208	Unid	96.5	?	??	Ping with RDS PI: 'WND' / PTY: Soft Rock, pointed SW. Either WMT or KRAV as both have same bogus RDS, format, and slogan
1236	KRAV	96.5	Tulsa	OK	Matches to stream 925
1322	WMJJ	96.5	Birmingham	AL	Again with RDS PI: 'KCAD' / RT: Magic96.com / PTY: Soft Rock 758
1907	KUAR	89.1	Little Rock	AR	RDS PI: KUAR /,PTY: Talk 844

Jan 09 Es (MUF 94.1)

2057	KUHF	88.7	Houston	TX	In HD (3 CH). IBOC splashing over onyo 88.9!
2107	KSBJ	89.3	Humble	TX	REL, RDS/HD 1187
2112	KUAP*	89.7	Pine Bluff	AR	GOS music, HD using 'KHRS' ID 857

2118	KSWP*	90.9	Lufkin	TX	REL:AC, RDS PS: artist/song / PI: KSWP / PTY: Religious Music 1107
2119	KAVX*	91.9	Lufkin	TX	REL, RDS PS: artist/song / PI: KAVX / PTY: Religious Talk 1107
2121	KAGL*	93.3	El Dorado	AR	Long list of closings due to ice storm 932
2123	Unid	94.1	?	??	Spanish, pointed SW
2212	WRKF	89.3	Baton Rouge	LA	TLK, HD 1056

Jan 10 Ms

0024	WNSC	88.9	Rock Hill	SC	Ping with RDS PI: WNSC / PTY: Public 606
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Jan 11 Tr

1202	WAOR	95.3	Niles	MI	Calls. rock 278
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Jan 11 Ms

2356	KSRZ	104.5	Omaha	NE	RDS PI: KSRZ / PTY: Adult Hits 756
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Jan 12 Tr

0006	WJJK	104.5	Noblesville	IN	Calls 354
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Jan 12 Ms

0013	KMYZ	104.5	Pryor	OK	RDS PI: KMYZ / PTY: Rock 914
1423	Unid	88.1	?	??	RDS PS: K-LOVE / PI: 'WAD', beamed west, several possible

Jan 14 Ms

0033	WNUE	98.1	Titusville	FL	Spanish //stream 1019
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Jan 14 Tr

1228	WFCJ	93.7	Miamisburg	OH	Calls, "Focus On The Family" 308
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Jan 15 Tr

2353	WAKW	93.3	Cincinnati	OH	"Star 93-3", John Tesh 346
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Jan 16 Ms

0023	WJBT	93.3	Callahan	FL	Jacksonville ad 900
1620	KALA*	88.5	Davenport	IA	".station of Saint Ambrose University, KALA, Davenport." 486
2305	WRJA	88.1	Sumter	SC	RDS PI: WRJA / PTY: Public Radio, prev by Es 675
2350	KJTH	89.7	Ponca City	OK	".on The House FM.", RDS PI: KJTH / PTY: Religious Music 975

Jan 17 Ms

2056	KJTY*	88.1	Topeka	KS	RDS PI: KJTY / PTY: Religious Music 785
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Jan 18 Ms

0028	KAVH t	89.3	Fayetteville	AR	".here on the Bott Radio Network we." Only 89.3 station listed on their site 839
0047	KUND*	89.3	Grand Forks	ND	CLA , RDS PS: PPB / PI: KUND / RT: Prairie Public Broadcasting 816
1616	KJLU	88.9	Jefferson City	MO	Jazz, RDS PI: KJLU / PTY: Jazz 661
2348	KKPT	94.1	Little Rock	AR	RDS PI: KKPT / PTY: Classic Rock 844

Jan 20 Ms

1201	KZTH	88.5	Piedmont	OK	Several pings with REL:AC // stream 1045
1247	KEOM	88.5	Mesquite	TX	".your KEOM." 1108
2337	WLBF	89.1	Montgomery	AL	"..one of Alabama's oldest..", RDS PI: 'KALE' / PTY: Religious Music 929

Jan 20 Tr

1616	WDHT	102.9	Urbana	OH	Columbus ads 280
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Jan 21 Ms

1817	KZTH	88.5	Piedmont	OK	Pings with REL:AC // stream 1045
2340	Unid	95.3	?	??	".Kia in Columbia.", pointed S, WFMV???

Jan 21 Tr

1954	{WHLK}	106.5	Cleveland	OH	Bonnie Tyler song, "106.5 The Lake", ex WMVX 154
2327	WZLR	95.3	Xenia	OH	"95.3 The Eagle" 301

Jan 22 Ms

1757	WMAU	88.9	Bude	MS	RDS PS: MPB 88.9 / PI: WMPN / PTY Classical 983
1842	WZEW	92.1	Fairhope	AL	".on FM 92 The Zoo." 972

Jan 22 Tr

2334	WRRM*	98.5	Cincinnati	OH	Ad for GM dealers of Cincinnati and northern KY 347
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Jan 23 Ms

0008	Unid	98.5	?	??	RDS PI: 'KBLG' / PTY: Soft Rock, pointed S, maybe WKTK
1215	WKTK	98.5	Crystal River	FL	Pings //stream and yes.com, prev by Es 991
1444	KKPT	94.1	Little Rock	AR	RDS PI: KKPT / RDS PS: JEFF ALLEN / RDS PTY: Classic Rock 844

Jan 24 Ms

1106	WJSU	88.5	Jackson	MS	RDS PS: COOL AND CURRENT / PI: WJSU / PTY: Jazz 911
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Jan 29 Tr

0528	{WOOD}	106.9	Muskegon	MI	"Coast to Coast" with George Noory. Now news-talk, ex WMUS C&W 230
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Jan 30 Tr

0000	WVKE	88.1	Elkhart	IN	Jazz, ID "Elkhart and South Bend's NPR station WVPE" 274
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Jan 30 Ms

1618	KHOZ*	102.9	Harrison	AR	C&W, RDS PI: KHOZ / PTY: Country 793
------	-------	-------	----------	----	--------------------------------------

Feb 02 Ms

1452	KQRC*	98.9	Leavenworth	KS	Ad, RDS PI: KQRC / PTY: Rock 744
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HOME - 7 Outlets - One Antenna - No Amplification: Residence of Bob Barker, MC of the popular daytime NBC show Truth Or Consequences.

HOTEL - 120 Outlets - One Antenna - One Amplifier: The Montecito - 6650 Franklin, Hollywood, California.

HOUSING PROJECT - 2,549 Wizards Installed To Date: L.A. Housing Authority, Los Angeles, California.

APARTMENT - 39 Outlets - One Antenna - No Amplification: The Del Rio - 10236 Old River School Road, Downey, Calif.

APARTMENT - 48 Outlets - Two Antennas (24 Outlets each) - No Amplification: The Paramount Riviera - 12447 Paramount Blvd., Downey, California.

"The Wizard" was a real, not 'sham', device in the late 50s. When a building was wired with 300 ohm twin-lead (NOT coaxial cable) it allowed the installer to connect dozens, hundreds of TV sets to ONE master antenna withOUT signal splitters or wall taps (and more often than not, NO amplifier[s]). The challenge here is to work out why it worked (it did) and how? No, the Wizard did not actually make contact with the twin copper wire 300 ohm twin-lead wires - think of it as a "glove" fitting over the twin-lead but not actually directly connecting to the wires itself. How did it work? Why did it NOT work with a coaxial cable wired system? Answers to VUD and we will see how they compare to the "truth" here!

Bob Cooper in New Zealand

Do you know how it works? If you do, email me with your answer to mikeb@wtfda.org or send me a letter or postcard to WTFDA, PO Box 501, Somersville, CT 06072. We will give all replies to Bob and he can judge the winner.

ANTENNA STACKING

Q. I have two TV antennas that I would like to stack. What are the mechanics of the problem?

A. Efficient stacking requires stacking bars cut to a half wavelength of the desired channel. The lead-in is connected to the center point of the bars. The length of the bars can be figured from a division of the channel frequency into 300×10^6 , which

gives the wavelength in meters. A meter is 39.37 inches. Next, the spacing of the stacking bars must be adjusted to transform the impedance of each antenna to 600 ohms at the lead-in connection point. The two 600-ohm impedances are effectively connected in parallel, matching the 300-ohm lead-in. The spacing can be adjusted most accurately by using a sweep generator.

THE UNIDIRECTIONAL DIPOLE

by Leonard E. Geisler

Anyone who has peeked inside one of the many radio handbooks is familiar with the figure-8 radiation pattern of the dipole (or doublet) antenna. However, most readers probably are not aware that you can make a highly directional, broad-band antenna from the simple dipole without resorting to additional elements other than one resistor, some TV standoff insulators, spars and a little labor.

By simply bending the conventional dipole into a perfect circle and joining the two ends opposite the feed point with a non-inductive resistor, the antenna becomes unidirectional (Fig. 1). Radiation and reception take place only on one side of the loop—the one terminated by the resistor.

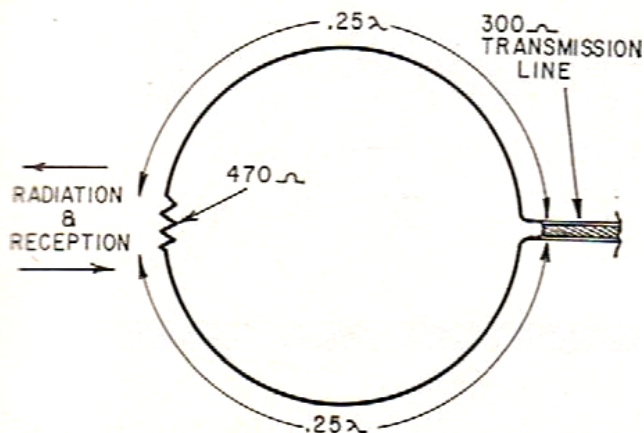
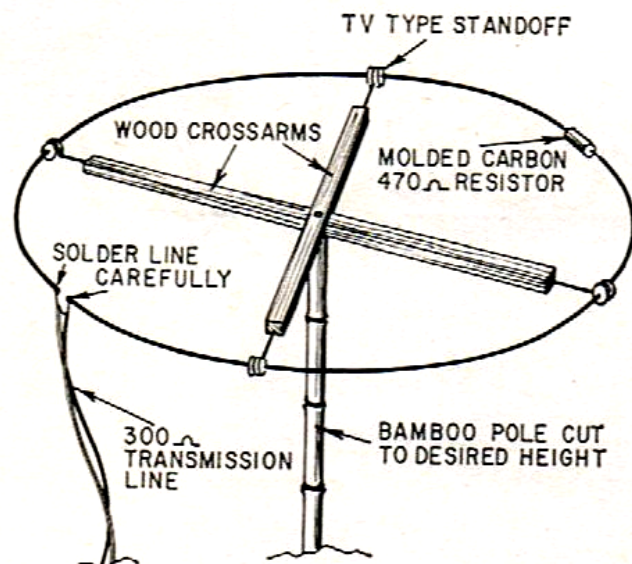


Fig 1—Basic unidirectional dipole.

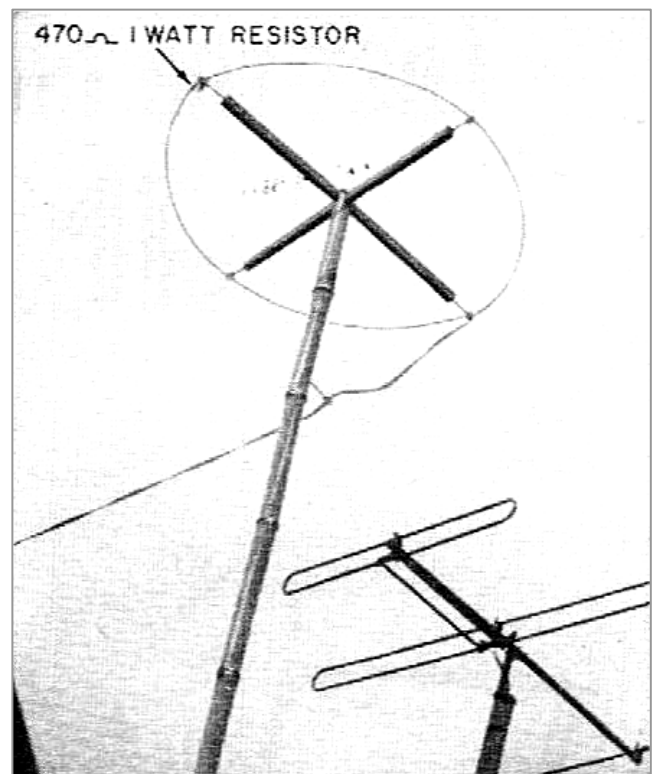
To build such a dipole, say for 6-meter ham-band operation first find the length of a half-wave (0.5λ) radiator for the low side of the band. This would be approximately 110 inches long. Since the antenna is bent into a circle with a 110-inch circumference, we insert this value in the formula: $C/3.14 = D$ where C is the circumference, 3.14 is pi (approximately) and D diameter or, in this case, length of the cross-piece with the installed length of TV standoff insulators subtracted. Assembly details are shown in Fig. 2.



After the cross-shaped support is assembled, proceed to thread two 55-inch lengths of radiator through the eyes of the TV standoffs. Unless quite stiff, large-diameter wire or tubing is used, be careful and preserve the circular shape. Use aluminum clothes line, No. 10 enameled copper wire or 1/4-inch copper tubing for optimum results.

Fasten the completed loop assembly to a bamboo or wood mast and bring the 300-ohm ribbon line down as nearly at right angles to the antenna as possible. Avoid placing undue strain on the antenna proper. Aim the side opposite the feeders in the direction you wish to receive from (or transmit to) and you're on the air!

Simple, isn't it?



Of course, this antenna is cut for the low edge of the 6-meter band. However, its excellent front-to-back ratio (5 to 1 approximately) will hold good far above that frequency. By a minor error, we designed and constructed a similar 108-mhz antenna—learning about 3 weeks later that we had cut it for just half that frequency—and during the entire 3-week period had such phenomenal reception that we told all our friends about it. Only after the error in our arithmetic was pointed out did we realize just how broad-band the antenna was!

Because of this error, we decided to test the antenna carefully. We found that it would actually operate with little or no change in front-to-back ratio until we reached the third harmonic mode of operation, where the

antenna's gain actually increased while beam angle was reduced only by a small amount. Our conclusion was that the unidirectional dipole was the job we needed.

If you wish, several similar units may be stacked vertically, 0.5λ apart, along the same mast and fed in parallel. This improves the front-to-back ratio and beam angle, along with a proportional increase in gain. Frequency sensitivity changes very little. The value of the terminating resistors has to be increased in proportion to the number of elements used for proper transmission-line termination.

By spacing two of these antenna elements one or more wavelengths apart-vertically and connecting them to a common feeder via a transmission line hybrid, excellent space diversity reception and transmission may be enjoyed. By using this system we have found that gains of the order of 10 db or more are common over long-haul dx routes.

If you use the unidirectional dipole with a transmitter, the terminating resistors must have a wattage rating high enough to prevent burnout. A good safe value is 10% more than the input power to your final amplifier.

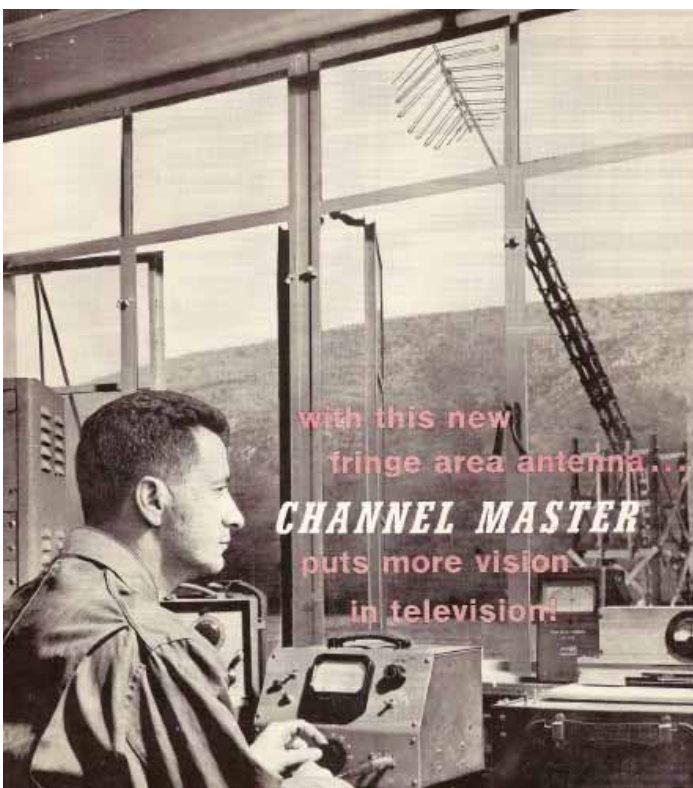
(A portion of the material presented here was obtained from "Technical Notebook" in Wireless World, October, 1957.) **END**

Bob Cooper comments:

This is very effective for a small effort. Key points - use a 470 ohm carbon - NOT wirewound - resistor to terminate. If #8, 10 or 12 Copper wire (solid) is used for the element(s) the resistor can be soldered (more difficult with aluminum wire). The 300 ohm twinlead connection could become 75 ohm RG6 by using an outdoor matching transformer - the 300 ohm side to the feedpoint. The antenna is quite directional and a model for say 48 MHz would be a good performer for European TV reception.

Stacking these antennas: The "stacking bars" could be two pieces of parallel copper wire say 1" apart with the new feed point half way between the two antennas. The CARBON resistors should now be someplace around 330 ohms (not that critical) AND I suggest at the feedpoint on the stacking bars an OUTDOOR type matching transformer (300 to bars, 75 to TV) and SOMEHOW hold it away from running parallel to the lower half of the stacking bars by running the 75 ohm cable down perhaps the wooden mast. Gain? Could be as much as 10 dB actually but 7-8 is more likely - in any event FAR more than you have been getting at 48 MHz.

WHAT IS IT CALLED?



Long time WTFDA member Gary Hickerson wonders if anyone out there knows the name of the antenna that's being tested at the super-secret Channel Master test site that's so hidden and remote that even the fellow in the picture doesn't know where he is.

Make your best guess and we will, if we remember, tell you what it is next issue.

Good luck!



By ROBERT B. COOPER, JR.

F2 from Europe

Our European television dx-pert, Gordon Simkin, formerly of Havre de Grace, Md., now reports European television reception from Loma Linda, Calif. Gordon notes that BBC television on 41.5 mc was first logged on Oct. 9, at 0729 hours PST. BBC video on 45 mc was seen on Oct. 27, from 0810 to 0830 hours PST with better average signals than the best seen in Maryland. This appears to be a result of less ghosting or, in other words, fewer transmission paths. Gordon is working on some BBC identification-call slide photographs, taken in Loma Linda, for a future TV dx column. Other reception of poorer quality has also been noted from Ireland, Germany and France.

I still have no reports of possible transcontinental F2 reception (Maine to California) although I feel certain that such reception was possible on a few peak days in November and early December. This is especially true for a radio path such as Nova Scotia to Oregon and northern California.

By the end of March we will reach the so-called ultimate low in television dxing. Fair-weather dxers have allowed the rotator to rust and knobs to become dusty, but not without fond memories of the winter E-skip season. Although this is being written as the winter E, is just beginning, all signs point to a very productive session. The period of Dec. 15 to 22 appears to have been very good throughout the Eastern and Central portions of the country, while Dec. 20, 21 hit the West and Southwest with frequent periods of E,. Double hop E skip was observed on channels 2 and 3 on the evening of Dec. 20, between central California and western Florida. This was, indeed, very unusual for a wintertime opening. Up to 6 hours of E, was observed on Dec. 21 in some Western regions.

Transequatorial scatter

Dxers in Florida, southern Texas, Cuba and Mexico should be alert for nighttime reception from Venezuela, Brazil, etc., as a result of-- a form of wave propagation known as TE (trarsequatorial) scatter. On the southern end of the path, dxers in Argentina report frequent reception from Venezuela, Brazil, Cuba, Mexico, Guatamala and Puerto Rico in the evening hours, beginning around 1700 local time. Distances vary from 900-5,000 miles, with signals displaying violent fading and much ghosting. The period of March 15-April 21

should be the best for such reception. (This reception appears to be quite dependent on the current high on the sunspot cycle.) Channels 2-6 are affected. Dxers farther north should also be wary of an evening E-skip session occurring to the south during this period, as the E, session is likely to extend the TE into more northern areas.

Predictions

Meteor showers head the prediction department this month. Several minor showers appear in March and April, with a major shower occurring April 17-21. Dxers will find that low-band channels, clear of locals during a meteor shower, will produce burst counts as high as 70 per hour with only an average-sensitivity dxing setup. During periods of test-pattern transmissions, call slides at station breaks and local news shows with the station call letters visibly displayed, station identification out to 1,400 miles is a relatively simple matter. Tropospheric bending, or extended ground-wave dx, will be exceedingly productive throughout the South and especially along the Gulf Coast, during March and April. Watch for obvious signs of improving ground wave, such as fringe-area stations becoming stronger and dropping their snow. Strong, steady fringe-area stations are a good sign of trop dx; strong, fading fringe area stations (fading into snow, etc.) are seldom a good sign of anything.

Dxers should not pass up the uhf band during such periods of good trop - our present 750-mile uhf record was sect in April, 1956, during such a session.

Sporadic E skip in most areas will be very low, although not unheard of. Mexico City, Guatamalan and Cuban stations often appear in the early evening hours from southern California to South Carolina, during March and April. Beginning around April 10, the summer E-skip season will begin to evolve in southern latitudes, from Florida to Texas. After a slow beginning, with E skip in the late afternoon and early evening, the warm months' E, season will be in high gear. By the 21st of April, Es should be hitting all corners of the United States and Canada at frequent early morning and early evening intervals.

(This material originally was published in the March 1958 *Radio Electronics Magazine* TV DX Column written by one Robert Cooper. This material was sent to us by Bob.)



FOX 2 BACK IN THE DAY

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FCC FACILITIES CONTINUES FROM PAGE

TX Arroyo	88.1	KVJS	PR>4.5kw/31m, 26-20-23/97-25-04	TX Wheeler	90.3	KPDR	PC>20kw/181m, 35-31-06/100-32-43
TX Benavides	94.3	NEW	AF 6kw/66m, 27-36-22/98-25-12 (Charles E. Crawford)	UT Ephraim	88.9	KAGJ	PG>380w/708m, 39-19-18/111-46-11
TX Breckenridge	89.9	KQXB	NW 15kw/90m, 32-28-38/98-48-35	UT Ephraim	88.9	KAGJ	QR from 89.5, 380w/708m, 39-19-18/111-46-11
TX Cooper	89.9	NEW	PR>2kw/21m, 33-32-14/95-43-19	UT La Verkin	102.3	KCDC	PG>7.5kw/1080m, 37-09-18/113-52-57
TX Dalhart	96.1	KPPC	QC from 96.3, 100kw/236m, 35-44-23/102-14-56	UT Price	89.7	KCEU	NW 440w/-50m, 39-36-41/110-48-36
TX Del Rio	88.5	990316MF	NS 50kw/82m, 29-20-39/100-51-39 (World Radio Network)	VA Charlottesville	91.9	WNRN	PR>560w
TX Eastland	91.1	KQXE	PR>25kw/132m, 32-28-38/98-48-35	VA Drakes Branch	88.7	WGFW	PG>1.95kw-H/58m, 37-07-56/78-31-07
TX Falfurrias	91.1	NEW	NS 900w/30m, 27-09-45/98-08-54 (Texas Pelican Media)	VA Gloucester Point	88.5	WHRG	PG 9.6kw/112m
TX Fort Worth	88.7	KTCU-FM	NW 3kw/58m (aux)	VI Christiansted	91.9	WPPD	PG<274m
TX Freer	89.3	NEW	NS 100w-V/30m, 27-52-53/98-38-01 (Texas Pelican Media)	VI Christiansted	91.9	WPPD	PR<274m
TX Freer	91.5	NEW	NS 4kw/145m, 27-51-16/98-33-16 (New Wine Church of San Antonio)	WA Bellevue	91.3	KBCS	PG 1.8kw/389m, 47-32-39/122-06-29
TX Gainesville	94.5	KSOC	PR>600m	WA Chehalis	89.7	NEW	AF 380w/307m, 46-33-16/123-03-26; amendment from 390w & to correct coordinates
TX Harlingen	94.5	KFRQ	PG>453m	WA Oakville	97.7	KOMO-FM	PG 69kw/701m
TX Hondo	89.9	KHDO	PR>5kw/60m, 29-21-07/99-21-08 reinstated & granted	WA Tacoma	91.7	KXOT	PG 4.3kw/582m, 47-32-53/122-48-22
TX Hondo	89.9	KHDO	PR>5kw/60m, 29-21-07/99-21-08; amendment to add tower height increase & site change	WI Baraboo	89.5	WCNP	PR 7.5kw/321m, 43-25-40/89-39-07 (WOLX-94.9 tower; station should be easily audible in Madison)
TX Kempner	103.9	KHLE	QR from 106.9, 1.4kw/199m, 31-05-59/97-55-41 dismissed	WI Madison	104.1	WZEE	NW 5kw/273m (aux)
TX Orange	104.5	KKMY	PC>233m, 30-09-20/93-59-10	WI Merrill	88.1	WHJL	PG>189m, 45-21-08/89-39-13
TX Perryton	93.7	KEYE-FM	QG from 96.1	WI Westby	103.9	WDSW	PG>151m, 43-36-28/90-53-24
TX Refugio	103.7	KOUL	NS 31kw/94m (aux)	WI Westby	103.9	WDSW	PR>151m, 43-36-28/90-53-24
TX Rio Grande	88.3	NEW	NS 3.5kw/128m, 26-25-47/98-49-25	WV Charleston	90.9	WXAF	PR>4kw
TX Tom Bean	97.5	KLAK	NW 8kw/188m (aux)	WY Hillsdale	92.3	KYOY	PG 6.1kw/44m, 41-14-55/104-27-46
TX Van Alstyne	99.9	NEW	AF dismissed	WY La Barge	88.9	KDEB	PR<90w-V/419m dismissed
				WY Shoshoni	106.5	KWWY	QG from 106.3



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THE VHF- UHF DIGEST
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