

The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 2005

The magazine for TV and FM DX

IN THIS ISSUE

FM IBOC AND DTV SET  
TOP BOXES

WINTER  
ON  
CAPE COD  
Wish You Were  
Here!

# 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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**FEBRUARY 2005**



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

<http://fmdx.usclargo.com/join.html>

Dues are \$25 if paid to our Paypal account. But of course you can always renew by check or money order for the usual price of just \$24. Either way, it's still a bargain!

## VUDS ON A CD!

Every VUD from Jan 1980 to December 1989 is on this disk. You'll need Adobe Reader to read them. Why have a box of old VUDs taking up space when you can have this. **It's yours for just \$8.00 per disk.** Send your check or money order for \$8.00 to WTFDA, P.O. 501, Somersville, CT 06072. Make it payable to Mike Bugaj.



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We have another great VUD issue for you. Everybody is here except for JZ's Southern FM column (John had no reports this month).

Peter Baskind begins a new column devoted to 6 meter and 2 meter DX. Those of you who are into DXing these bands, please support it!

Also we have an update on DTV set top boxes and DTV computer cards, plus the latest on FM IBOC. We even have FM Statistics this month! Hope you enjoy this issue!



WTFDA Convention 2005  
**DALLAS, TEXAS**

Hosted by  
**John Callarman**  
**ARE YOU READY!**

Watch this space for more details!



# The Mailbox

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## FEBRUARY 2005

It's February, we're back and we're ready to go. Keep looking for that off-season tropo. I noticed FM tropo into western New York and Ontario on Jan 3<sup>rd</sup>. Jeff Kruszka and some Midwestern TV DXers noted it on the 8<sup>th</sup> and snagged some great catches. And Charles Gauthier found tropo to Quebec City on the 12<sup>th</sup>. Keep looking because sometimes you luck out. Don't give up when the tropo maps look bad. Sometimes they're wrong.

## MEMBERS AND MORE

First I'd like to thank everyone who sent in another check payable to me. The money will really help us with publishing this month. As of Jan 15<sup>th</sup>, I have checks received from **John Reiger, Lenny Goldberg, Ed Norris, Adam Rivers, David Wurl, Les Prus, Rod Thompson, Tom Bryant, Dave Pomeroy, Don Niles, Ted Liszweski, Bruce Elving, Jim Thomas, Glen Hale, Russ Edmunds, Bob Seybold, Mark Casey, Randy Davis, Paul Hansen, Bruce Hall, Dennis Elya, Morris Sorensen and Bernie Higgs**. I also have received three checks for the Mexican FM Log. If you sent a check and I haven't acknowledged it, don't worry about it. If you are reading this and the expiration date on your VUD mailing label is correct, you're fine.

We want to welcome Randy Davis of Jeffersonville, IN back into the club. No sooner did he rejoin than I mailed his check back to him. Some welcome *that* was. And another welcome back to Dennis Elya in Jefferson City, MO. Glad to have you back and DXing again!

If you own a computer, you're familiar with the term "safe mode." Well, right now the club is plodding along in "safe mode" until the club funds can be retrieved and placed into a new account. I spoke to the bank and they advised me to send a signed letter requesting the funds, which I did today. Let's hope we have the financial situation settled by the time you receive the March VUD. We have a new WTFDA TV Station Guide scheduled for this year and the cash will definitely be needed for printing and mailing.

## MORE CH-CH-CH-CHANGES!

I need all of you folk out there who are also hams and work 6 meters to raise your hands. Any 2 meter people? Thought so. We do have quite a few hams in the WTFDA.

Many 6 meter hams are also into TV DXing. Both modes go together like tortilla chips and salsa.

So we are going to try something the WTFDA has never tried before. Beginning with this issue, Peter Baskind(TN) will edit a column for all of you folks out there who are working or monitoring 6 meters. Maybe he'll even add 2 meters.

Response to the creation of this column by WTFDA list members was positive. We hope all of you will give it a look and contribute if you are so inclined. Also your feedback would be appreciated. We hope that most WTFDA members can find something interesting in this new column.

## MORRIE FOUND US

Morrie Goldman is one of the founders of the WTFDA. Morrie is still around and writes "I gave up on TV DXing years ago when the local channels became so blocked by full power, 24 hour-a-day locals, that it just wasn't worth the struggle. One of these days I should try to sell my old Conrac AV-12E and other gear, if it still has any value.

I think you did a nice job in reporting on Dave and the VUD looks great. I know how much work it involves...boy do I know. It has a nice consistent look.

By the way, in reading Bob Cooper's comments on Dave, one person who should have received credit for helping start WTFDA didn't...Gary Olson. In the beginning, Gary and I pulled together the first mailing lists and mailings to get the club moving. This was at a time when some former AIPAers felt that a new club couldn't survive. Gary was right there when we began publishing and he really invested a lot of time. As time went on, there were many others who helped as well."

It definitely was a treat receiving an email from Morrie. And it was another treat when the following email arrived in my inbox.

This time it was from Gary Olson, who, by the way, is still in the WTFDA and living in Florida. Gary wrote "I was stunned to hear that Dave Janowiak passed away. I first met Dave at the AIPA convention (I think in 1960) at the home of Tom Hidley in Chicago when I was living and DXing in Barrington, Illinois.

When several of us reconstructed the ruins of AIPA into WTFDA in the late 60s Dave was always a big supporter. It was his assistance that helped us move the club to Chicago headquarters where Morrie Goldman and I handled publication and operations for several years. Dave, Bruce Elving (while in Milwaukee), and Don Ruland (who I have lost track of) helped keep the bulletin going out as Morrie and I made the transition to offset printing which represented a monumental change for WTFDA.

Dave wrote a multipage treatise for me on his struggles to erect a new TV tower from scratch which guided me step by step to build my own on my roof in Deerfield, Illinois. He hand built a JFET amplifier for me which I used in my DXing in Deerfield and at my later home in Lake Forest, Illinois.

After a very painful divorce he pursued a diversity of interests including guiding the fortunes of cable TV in his community of Greenfield, Wisconsin. I last saw Dave about 10 years ago when I sold my TV tower, Conrac Tuner, UHF dish antenna and other items in preparation for my retirement move to Florida. He came to my home with a large truck and picked up all the metal and we had a chance to talk about a lot of things. He was really a nice guy. We will miss him."

By the way, Morrie is no longer in the club but he will receive this VUD in electronic form. It's great to hear from the club's founders, although we all wish it had been done under happier conditions.

### **TV STATION GUIDES SOLD OUT**

All of last edition's WTFDA TV Station Guides are sold out. Please do not send any checks or requests or inquiries to John Ebeling. John will have to return any checks he receives. Hold on to your wallets because the 2005 TV Station Guide is in the works. We'll let you know how it's progressing.

### **RECORDING DX ON YOUR COMPUTER**

Russ Edmunds helps to sort out all the options available. Here we go: "During the past week we've had a lot of discussion here ( and a lot more offline ) about recording software and visual displays of the waveforms of the recorded segments. While I was unsuccessful at having any Ms here, I did manage to find one recording where there was some short range tropo-scatter, which was immediately evident on viewing the

waveform, and therefore easy to go right to that point and listen.

We've talked about several pieces of software, and I've taken the time to run that troposcatter file through all of them. Here's my mini-review of those:

1) CoolEdit 2000 (or Pro ) [ now known as Adobe Audition ] - By far has the most functionality but is also by far the highest cost. Takes forever and a day to load and read in a sizable .mp3 file. Good size, clarity and resolution on the visual display. This is professional audio software and as such it is very complex and requires a big learning curve. It can also record and do scheduled recordings and offers different types of views.

2) Total Recorder Professional Edition v 5.0 - This is very inexpensive software on a relative scale. I've used Total Recorder Standard Edition for all of my recording for over 18 months and been very satisfied. The Pro edition has a "sound image feature" to view the entire recording, however the viewing area is small, and the display is neither as clear as any of the others. TR also has fewer options for manipulating recordings - does not have a 'stretch' option. It does have a good scheduler, and the recent v.5.0 upgrade for both editions now has options for a graphic equalizer and spectrum analyzer at no extra cost.

3) The Amazing Slow Downer - This is a piece of Scandinavian software which was designed for use by musicians, however it does have graphic equalizer, stretch, and tone/pitch control independent of the stretch.compress function. It doesn't record, and while it will read .mp3's, it won't save in that format. No visual display. Inexpensive.

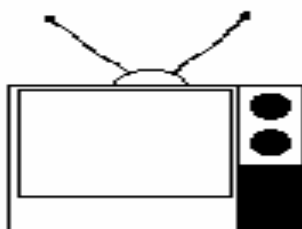
4) Power MP3 Editor Pro 2005 - This is, IMHO, the best of the lot on balance. It has a separate recorder software that comes along with it, loads an .mp3 in less than half the time required for Cool Edit, and can take the visual display to nearly full screen. It has all of the functions you'd need and then some, but isn't as robust as Cool Edit, nor is it as complicated. Best yet, the price/value equation simply can't be beaten.

I'll be sending in my \$\$ for Power MP3 Editor shortly. I'll experiment to see which I like better for the actual recording, their recorder or my existing Total Recorder Standard.

Of course I did not include what is probably the premiere audio editing software out there, Sound Forge, as I have no experience whatsoever with it."

### **LAST BUT NOT...**

WTFDA membership is up to 268 as of January 22<sup>nd</sup>. Have a good month and we'll see you next time. -Mike



# TV News

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February 2005

## Abbreviations:

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	QC	Channel (?frequency??) change on the air
DE	License/permit deleted	QG	Channel change granted
FC	Programming (?format??) change	QR	Channel change requested
FTP	Failure to Prosecute	RE	Reinstated (previously-dismissed app.)
GA	Granted amendment (to table of channel allotments)	ROA	Request of Applicant
LC	License to Cover	SI	Off the air (?silent??)
MX	Mutually Exclusive	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

## News:

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



### American Samoa:

Pago Pago 30 WVUV-LP CC from K30HO



### Northern Mariana Islands:

Garapan, Saipan 7 KPPI-LP CC from K07XG



### Guam:

Agana 22 KEQI-LP CC from K22GD



### Puerto Rico:

Caguas 11 WLII FC?, sold to Univision

Ponce 9 WSUR-TV FC?, sold to Univision



### Canada:

#### British Columbia:

Vancouver 22 CHAN-DT AF 8.3kw/670m

#### Ontario:

Hamilton 18 CHCH-DT AF 60kw/338m

Ottawa 32 CITS-TV-1 PG<26kw/202m

Ottawa 27 CFMT-DT-1 AF 15kw/202m

Ottawa 66 CJMT-DT-1 AF 15kw/202m

Toronto 20 CBLT-DT NW 38kw/491m, 43-38-33/79-23-15

Toronto 24 CBLFT-DT NW 2.5kw/491m, 43-38-33/79-23-15



### Mexico:

#### Coahuila:

Piedras Negras 6 XHPNG QC from ch. 28, 100kw

Sabinas 5 XHSDD QC from ch. 59, 100kw



### USA:

#### Alabama:

Andalusia 49 WKNI-LP CC from W49BM

#### Arizona:

Lake Havasu City 38 K38IR QC from K40FG

Safford 21 K21GC NW 9.95kw, 32-39-00/109-50-55; Univision

Tucson 34 KFTU-CA CC from KTAZ-

#### Arkansas:

El Dorado 12 KETZ-DT GA from ch. 30

Eureka Springs 34 KWFT PG<1200kw/224, 36-24-41/93-57-14

Fayetteville 48 KEGW-LP XG 36-24-41/93-57-14

Fort Smith 48 K48FL PC>51.8kw, 35-40-09/94-48-42

Fort Smith 54 KUFS-LP QC from ch. 18, 23.1kw, 35-04-05/94-40-59

Fulton 11 K11VO NS 2.5kw, 33-36-45/93-48-45

#### California:

Daggett 48 K48IP CC from K61AE

Fresno 38 KSEE-DT QR from ch. 16

Inyokern 47 K47AE PG<4.38kw

Lucerne Valley 47 K47HC PR>9kw, 33-51-58/116-26-00

Mammoth Lakes	22 K22HB	PR>1.26kw, 37-38-30/ 118-57-42; PG			2.2kw, 24-34-04/ 81-44-55
Mammoth Lakes, Etc.	33 KSRW-LP	CC from KDAY-LP	Matecumbe	43 W43CB	QC from W32AB, 120.5kw, 25-32-24/ 80-28-09
Morongo Valley	3 K03HS	PR>3kw, 33-56-38/ 116-53-37			
Morongo Valley	18 KJHP-LP	CC from K18HN	Naples	43 WWDT-CA	PC>144kw, 26-30-18/ 81-51-14
<b>Rancho Palos Verdes</b>	<b>44 KXLA</b>	<b>PC&gt;952m</b>	<i>New Smyrna Beach</i>	<i>33 WCEU-DT</i>	<i>PG&lt;308kw</i>
Red Bluff	3 KMCA-LP	PR>330w	Panama City	23 W23CT	NS 20.51kw, 30-08-55/ 85-35-45
Ridgecrest	41 K41GO	PG>4.76kw			
Ridgecrest	45 K45GQ	PG>4.76kw			
Ridgecrest	49 K49AA	PG<4.38kw	Port Richey	18 W18DB	PC<2kw, 28-19-12/ 82-41-52 (WMOR-32)
<i>Sacramento</i>	<i>48 KSPX-DT</i>	<i>NW 1000kw/489, 38-15-54/ 121-29-24</i>			
San Francisco	28 KFTL-CA	PC>90kw	Sebring	17 WOCX-CA	QC from ch. 5, 27.5kw
Susanville	31 K63CM	QR from ch. 63	Tampa	30 WTAM-LP	QC from ch.6, 68.9kw, 27-49-10/ 82-15-39
<b>Colorado:</b>					
Cortez	50 K53DR	QR from ch. 53, 1.8kw	Tampa	46 WVEA-LP	PC<49kw
Dove Creek	15 K15GU	NW 300w, 37-45-37/ 108-54-39	Tampa	49 WRMD-LP	PC>128kw, 27-56-51/ 82-27-33
Dove Creek	30 K30DC	PC>1.17kw, 37-45-37/ 108-54-39; CL from Monticello, Utah	<b>Georgia:</b>		
Eagle	40 K40DA	PR>29kw; PG>13.2kw	<b>Brunswick</b>	<b>21 WPXC-TV</b>	<b>PR&gt;5000kw/418, 30-49-39/ 81-44-27</b>
Fort Collins	43 K43FN	QG from K03EM, Glen Haven; 65.8kw, 40-32-46/ 105-11-51	<i>Brunswick</i>	<i>24 WPXC-DT</i>	<i>PR&lt;500kw/418m, 30-49-39/ 81-44-27</i>
Glen Haven	62 K13ON	QR from ch. 13 RE, 12kw, 40-25-13/ 105-26-39	<b>Hawaii:</b>		
Glen Haven	68 K08IS	QR from ch. 8, 15kw, 40-25-13/ 105-26-39	<b>Hilo</b>	<b>9 KGMD-TV</b>	<b>PR&lt;-92m</b>
Glen Haven	69 K10JY	QR from ch. 10, 15kw, 40-25-13/ 105-26-39	<b>Hilo</b>	<b>11 KHAW-TV</b>	<b>PR 10kw/-92m, 19-43-00/ 155-08-13</b>
Glenwood Springs	44 K44DF	PR>25kw, 39-32-37/ 107-17-49; PG>10kw; CL from Eagle	<b>Idaho:</b>		
Grand Junction	20 NEW-LP	AF dismissed (2 apps)	Boise	41 KBTI-LP	CC from K41IV
Vail	10 K10DG	PR>3kw, 39-38-06/ 106-26-47; CL from Wolcott; PG	<b>Illinois:</b>		
Vail	45 K45IE	PR<55w, 39-38-38/ 106-32-14; PG	<i>Champaign</i>	<i>41 WICD-DT</i>	<i>PR&gt;950kw/375m</i>
Wolcott	13 K13DE	PR>2.84kw, 39-44-23/ 106-48-04; PG	<i>Champaign/ Urbana</i>	<i>48 W48CU</i>	<i>QC from W34CD, 5w, 40-13-05/ 88-06-55</i>
<b>Florida:</b>			Chicago	23 WWME-CA	CC from WFBT-CA
Key West	5 W05CJ	PG<240w, 24-33-15/ 81-48-09; NW	Chicago	48 WFBT-CA	CC from W48DD
Key West	10 W10CQ	PG<470w, 24-33-15/ 81-48-09; NW	<i>Freeport</i>	<i>41 WIFR-DT</i>	<i>PR&lt;53kw/220m</i>
Key West	49 WKIZ-LP	PR>4.4kw; PG; PC	<i>Springfield</i>	<i>36 NEW-DT</i>	<i>AF dismissed</i>
			<i>Springfield</i>	<i>42 WICS-DT</i>	<i>PR&gt;950kw/402m</i>
			<b>Indiana:</b>		
			Evansville	50 WEOA-LP	PR>150kw; PG
			<b>Indianapolis</b>	<b>69 WDTI</b>	<b>CC from WTBU</b>
			<i>South Bend</i>	<i>35 WNIT-DT</i>	<i>NW 50kw/333m</i>
			<b>Iowa:</b>		
			Emmetsburg	55 K55KA	NS 999w, 43-01-26/ 94-41-57
			Waterloo	40 K40GO	QC from ch. 63, 4w, 42-29-43/ 92-19-15; CL from Quincy, IL
			<b>Kansas:</b>		
			<i>Lakin</i>	<i>8 KSWK-DT</i>	<i>PR&lt;33kw/153m</i>
			Pittsburg	59 KSPJ-LP	FC; sold by TBN; CC from K59HT
			<b>Kentucky:</b>		
			Louisville	50 W50CI	PR>150kw; PG

<b>Louisiana:</b>				<b>Nevada:</b>			
<b>Alexandria</b>	<b>41 KBCA</b>	<b>NW 5000kw/307, 30-54-20/ 92-37-17; Fox</b>		Las Vegas	28 KVPX-LP	QC from ch. 59, 54kw	
<b>Maine:</b>				<b>New Hampshire:</b>			
<i>Bangor</i>	14 <i>WVII-DT</i>	<i>PG&gt;261m</i>		Colebrook	26 W26CQ	PC>19.7kw, 44-56-50/ 71-20-28	
Waterville	4 WGCI-LP	PG>300w, 44-42-46/ 69-43-38		<b>New Jersey:</b>			
<b>Maryland:</b>				Edison	39 W39CQ	QC from W36AS, 40-31-45/ 74-23-34, 35kw; CL from New Brunswick	
<i>Baltimore</i>	46 <i>WBFF-DT</i>	<i>NW 550kw/373m</i>		<b>New Mexico:</b>			
<b>Massachusetts:</b>				Caballo	31 K31DR	PC>9.99kw	
<b>New Bedford</b>	<b>28 WLWC</b>	<b>PC&lt;220m</b>		Farmington	14 K14MJ	NW 8.5kw, 36-40-16/ 108-13-54 (TBN)	
<b>Michigan:</b>				Indian Village	21 K20GT	QR from ch. 20, 1.65kw, 35-36-18/ 108-41-11 (already on STA)	
Detroit	23 WUDT-CA	QC from ch. 5, 50kw, 42-26-52/ 83-10-23		Las Cruces	31 KLCP-LP	QR from ch. 30	
<b>Minnesota:</b>				Socorro	44 K44HJ	NW 290w, 34-04-18/ 106-57-45 (KASA-2)	
Aitkin	27 K27EV	CX		Tecolote	49 K45FM	QR from ch. 45, 825w, 35-24-15/ 105-11-23	
Alexandria	14 K14LZ	QC from K36AA, 1.56kw		<b>New York:</b>			
Alexandria	21 K21GN	NW 1.56kw, 45-55-59/ 95-26-50 (CBC North)		Buffalo	28 WDTB-LP	QR from ch. 39, 25kw, 42-52-47/ 78-52-35; CL from Hamburg	
Brainerd	57 K57BJ	CX		Hudson	21 W21BU	PG>6kw; XC 42-08-09/ 73-53-11	
Deer River	59 K59BQ	XC 47-21-25/ 93-45-13		Philadelphia	54 W54DN	PR>32kw, 44-06-11/ 75-46-10	
Minneapolis	25 K58BS	QC from ch. 58, 100kw		<b>Rochester</b>	<b>13 WHAM-TV</b>	<b>CC from WOKR</b>	
<b>Mississippi:</b>				Syracuse	46 W30AJ	QR from ch. 30, 119kw, 42-56-42/ 76-07-08	
<b>Greenville</b>	<b>15 WXVT</b>	<b>PG&lt;1200kw/269</b>		<b>North Carolina:</b>			
<b>Natchez</b>	<b>48 WNTZ</b>	FC to CBS in fall		Charlotte	16 W16CF	QC from W52CW, 44.8kw	
Tupelo	49 W49BK	PC<4w, 32-12-18/ 88-41-49; CL from Acton, TN		<b>Greenville</b>	<b>25 WUNK-TV</b>	<b>XR 35-33-10/ 77-36-06</b>	
<b>Missouri:</b>				Raleigh	36 W64CN	QC from ch. 64, 10kw dismissed; PC>27kw on ch. 64 instead	
Kansas City	48 KUKC-LP	CC from K48FS		<b>North Dakota:</b>			
<i>St. Joseph</i>	21 <i>KTAJ-DT</i>	<i>PR RE 100kw/316m, 39-01-20/ 94-30-49</i>		Devils Lake	25 KMDE-DT	CC for NS	
St. Louis	16 KDTL-LP	PR>150kw, 38-37-48/ 90-11-26		Devils Lake	56 K56IS	NS 999w, 47-59-16/ 98-55-59	
<b>Montana:</b>				Ohio:			
Circle	16 K16GP	NW 840w, 47-16-04/ 105-23-26		<b>Cambridge</b>	<b>44 WOUC-TV</b>	<b>PR&lt;759kw/385m</b>	
<i>Glendive</i>	10 <i>KXGN-DT</i>	<i>AF 30kw/138m, 47-02-39/ 104-40-53</i>		<i>Cincinnati</i>	10 <i>WCPO-DT</i>	<i>PC 16.3kw/272m</i>	
<i>Great Falls</i>	21 <i>NEW-DT</i>	<i>GA, non-commercial (KUFM-11)</i>		<i>Cincinnati</i>	25 WOTH-LP	QC from ch. 35, 34.5kw	
Red Lodge	39 K39HD	NW 810w, 45-07-19/ 109-16-11 (KTVQ-2)		<i>Cincinnati</i>	36 W61DE	QR from ch. 61, 22.4kw	
<b>Nebraska:</b>				<i>Cincinnati</i>	38 WBQC-CA	QC from ch. 25, 140kw	
Norfolk	46 KAZJ-LP	PR>150kw, 42-01-41/ 97-20-25		<b>Oklahoma:</b>			
<b>Omaha</b>	<b>7 KETV</b>	<b>PG&gt;419m</b>		McAlester	35 K35GP	FC; sold by TBN to Hispanic religious	
<i>Omaha</i>	20 <i>KETV-DT</i>	<i>NW 700kw/396m</i>					
Orchard	53 K53IT	NS 999w, 42-18-48/ 98-14-30					
South Sioux City	23 KAZS-LP	PR>87.7kw; PG					

<b>Tulsa</b>	<b>47 KWHB</b>	organization <b>PG 835kw/460m, 36-01-15/ 95-40-32</b>	Matador	40 K40FK	QC from ch. 62, 550w, 33-58-54/ 100-54-48
Tulsa	57 K57IP	QC from ch. 44, 35- 53-27/ 91-44-02; CL fm Batesville, AR	Matador	42 K42ES	QC from ch. 66, 550w, 33-58-54/ 100-54-48
<b>Oregon:</b>			McAllen	35 KZMC-LP	FC? sold to Univision
Ashland	39 K39EF	PC<24.5kw	Mesquite	50 KATA-LP	PR<15kw, 32-35-21/ 96-58-12
Brookings	31 K31GP	FC; sold by TBN	<b>Odessa</b>	<b>9 KWES-TV</b>	<b>PC&gt;391m</b>
Medford	28 K28GG	PG>24.5kw, 42-17-43/ 122-45-00; PC	Pampa	34 K34HU	FC; sold by TBN to Hispanic Christian group
Portland	5 KWBP-LP	PR<2.7kw; PG	Plainview	18 K18HC	FC; sold by TBN to Hispanic Christian group
<b>Pennsylvania:</b>			Snyder	42 K42ET	PG<9.31kw, 32-45-34/ 100-54-47
Clarks Summit	24 W24DB	QC from W52CE, 17.5kw, 41-26-09/ 75-43-46	Snyder	47 K47IP	QG from K07TZ, 9.31kw, 32-45-34/ 100-54-47
<b>Erie</b>	<b>54 WQLN</b>	<b>PG&gt;271m</b>	Snyder	49 K49GT	QG from K26DW, 9.31kw, 32-45-34/ 100-54-47
Hazleton	45 WOLF-DT	PR<420kw	Victoria	13 KRTS-LP	CC from K13YM
Pittsburgh	26 WQEX-DT	NW 50kw/213m	<b>Utah:</b>		
<b>South Carolina:</b>			Blanding/ Monticello	36, K36AK, 42 K42AD	PC<300w, 37-50-22/ 109-27-42
<b>Conway</b>	<b>23 WHMC</b>	<b>PR&lt;917kw/245m, 33-56-58/ 79-06-31</b>	Brian Head	35 K35HG	PR>3.2kw, 37-38-18/ 113-01-52; PG (suspect new coordinates are an error)
Florence	45 WJPM-DT	PR 45kw/242m	Brian Head	49 K49HC	PR>3.2kw; PG
<b>South Dakota:</b>			Brian Head	51 K51HQ	PR>3.2kw; PG
Brookings	18 KESD-DT	PG>76kw	<b>Logan</b>	<b>12 KCBU</b>	<b>CC from KUTH</b>
Eagle Butte	25 KPSD-DT	PG>61kw	<b>Provo</b>	<b>32 KUTH</b>	<b>CC from KCBU</b>
Lowry	15 KQSD-DT	NW 24kw/274m, 45-16-38/ 99-59-10; PG>50kw	Rural Summit County	63 K63GY	NW 1.23kw, 40-51-18/ 111-28-44
<b>Martin</b>	<b>23 KZSD-DT</b>	<b>NW 39kw/242m, 43-25-59/ 101-33-16; PG&gt;77kw</b>	<b>Salt Lake City</b>	<b>2 KUTV</b>	<b>PG 29.5kw/1246, 40-39-35/ 112-12-05</b>
Pierre	21 KTSD-DT	PG>68kw	Summit County	49 K49FY	QC from ch. 63, 780w
<b>Tennessee:</b>			Summit County	51 K51FY	QC from ch. 61, 780w
Chattanooga	40 WDSI-DT	PR<84kw	<b>Vermont:</b>		
Clarksville	26 W26CJ	QC from ch. 66, 4w, 36-33-30/ 87-19-34; CL from Acton	White River Junction	27 W27CP	PC>24.4kw, 43-39-33/ 72-11-10
<b>Texas:</b>			<b>Windsor</b>	<b>41 WVTA</b>	<b>PG&lt;875kw</b>
Abilene	42 KIDZ-LP	QC from ch. 54	<b>Virginia:</b>		
Adrian	53 K53IU	NS 999w, 35-15-15/ 102-46-15	<b>Arlington</b>	<b>14 WFDC-TV</b>	<b>PR&lt;2680kw</b>
Albany	34 KIDV-LP	QC from ch. 59	Hampton	7 WGBS-LP	PC>2.5kw, 36-51-39/ 76-21-13
Amarillo	69 K69IH	XG 35-15-41/ 101-52-52	Keysville	45 WKYV-LP	QC from ch. 61, 50kw, 37-33-51/ 77-27-28
<b>Austin</b>	<b>24 KVUE</b>	<b>PG&lt;1696kw</b>	Onancock	25 W25AA	PR<19.7kw, 37-50-32/ 75-34-17; PG
Brownsville	20 KZAV-LP	FC? sold to Univision	Richmond	17 WXOB-LP	PG>131kw
Corpus Christi	50 KTMV-LP	QR from ch. 8, 20kw, 27-40-39/ 97-38-20	<b>Washington:</b>		
Dallas/ Mesquite	34 KJJM-LP	PR>125kw	Malaga	10 KNEE-LP	CC from K10CM
<b>El Paso</b>	<b>14 KFOX-TV</b>	<b>PG&lt;602m</b>			
Garfield	17 K17GH	CC from K63AY			
Hereford	44 K44GW	FC; sold by TBN to Hispanic Christian group			
<b>Houston</b>	<b>61 KZJL</b>	<b>PC&lt;1700kw/579, 29-33-44/ 95-30-35</b>			
Laredo	25 KZLD-LP	FC? sold to Univision			



Medical Lake 51 NEW-DT GA  
Yakima 2 KKFO-CA PG>1.95kw,  
46-31-58/  
120-29-26

**West Virginia:**

Clarksburg 30 W30CH FC; sold by TBN

**Wisconsin:**

Chippewa Falls 45 W45CF NW 1kw,  
44-53-05/  
91-23-27 (UPN //  
KQEG-50)

**Green Bay 22 960920YL AF dismissed**

Rhinelander 32 K32GF PR>9.2kw,  
45-43-34/  
89-24-51; PG

**Wyoming:**

Cheyenne 14 K14LV FC; sold by TBN to  
Hispanic Christian  
group

Thanks to Bob Delaney, Calvin Means, Calvin Glover Jr., and David Austin for information appearing elsewhere in this month's column...

Bob says KUMO-LP 51 is not off as we reported last month. They're carrying something called "Lick TV". (?! - Bob questioned the accuracy of his observation, but a search on Google confirms the name!) This is parallel to WPXS-13 Mt. Vernon, Illinois, just as when the stations were Pax affiliates. Speculation is that channel 51 will soon go Univision.

Calvin Means is associated with a group of LPTVs in the northwest Georgia/Chattanooga area. He forwarded programming updates on his stations. Their main outlet is WDNN-CA channel 49 in Dalton, Georgia, which carries FamilyNet and local programs. This station is relayed by WRNG-LP (ch. 63 w/CP for ch. 28) Ringgold, WLFW-LP ch. 41 Lafayette, and WSUT-LP ch. 21 Summerville.

WTNB-CA channel 27 in Cleveland, Tennessee also carries FamilyNet and local programs, but the local programs are different from those aired on WDNN and relays.

Finally, WDGA-CA channel 43 in Dalton has gone Spanish, with the Azteca America network.

Our other Calvin this week reports from the North Carolina Outer Banks. He's noted new LPTVs W17CT and W28CJ testing. They're running a test pattern with IDs for both stations, mentioning Nags Head as the location. The stations are actually licensed to Manteo. The tests were alternating – after W28CJ was on for awhile, it disappeared and channel 17 showed up.

Another Manteo LPTV is no more. WMTO-LP channel 6 has been off the air for at least a year. If the FCC finds out, the dark period will become permanent: the Communications Act requires the Commission to revoke the license of any station that remains off for that long.

Finally, David notes the premiere of new station WZRB-47 in Columbia, South Carolina. When seen it was airing a loop of promotions for the programs the station will air when regular broadcasts begin. WZRB is to be a UPN affiliate.

The two Mexican changes may have taken place some time ago. They were noted when updating my Mexican database for the upcoming Station Guide. There have been a number of less-dramatic changes in Mexico but these two will definitely affect one's Es DXing.

It's been a slow month at the FCC. The holidays slowed things considerably. They've also been dealing with a large collection of FM applications after the largest auction of FM channels ever.

Good DX!

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## THIS MONTH'S COVER

Please, do not turn your head 90 degrees to view the cover. Turn the VUD 90 degrees instead. This pretty picture was sent to us by Roy Barstow, who not only Dxes the TV bands, he takes some mean pictures!

"What do you mean...it doesn't snow on Cape Cod? Yeah, we only play winter golf." But you don't play golf in 14 inches of snow. Guaranteed.





# FM News

february '05

Email: redsoxdxer417@hotmail.com

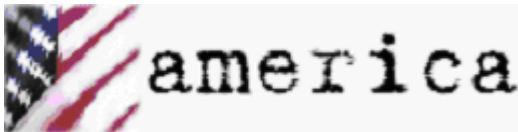
Adam Rivers  
37 Carlton Ave.  
Chicopee, MA 01020

Adam Rivers-37 Carlton Ave.-Chicopee, MA 01020-  
patriotsrule417@yahoo.com

### ABBREVIATIONS:

AF: applied for (a new station)  
 AFA: American Family Association  
 CC: call letter change  
 CL: city of license change  
 CX: a construction permit has been cancelled  
 C1, C2, etc.: a change in status to that FM license class  
 DA: directional antenna  
 DE: station has been deleted  
 FC: format change  
 GA: granted amendment to the table of FM allocations  
 GE: granted extension of construction permit  
 GX: granted replacement of expired permit  
 LC: license to cover filed (ready to come on the air)  
 MC: multiple-city ID  
 NC: no change yet on a reported change or permit  
 ND: non directional antenna  
 NO: not on the air  
 NS: new station granted

NW: new station signs on  
 OSA: one step application granted for change  
 PA: proposed amendment change to FM allocation table  
 PC: power change on the air (> = increase, < = decrease)  
 PG: power change granted (> = increase, < = decrease)  
 PR: power change requested  
 QC: frequency changed occurred  
 QG: frequency change granted  
 QR: channel change requested  
 RA: silent stations returns to the air  
 RE: station requests an extension on permit  
 RX: station requests replacement of expired permit  
 SC: slogan change or update  
 SI: station is silent  
 SOA: signed on air  
 XA: dismissed amendment to FM allocations  
 XC: transmitter site change occurred  
 XG: transmitter site change granted



### ALABAMA:

Ashland: WTRB 98.3, PG 1.7kw/188m, 33-18-30/85-50-58  
 Ashland: WASZ 95.5, CC to WHMA-FM  
 Atmore: WYOK 104.1, PR>98.4kw/550m, 30-36-45/87-38-43  
 Coaling: WFFN 95.3, PR>17.5kw/256m, 33-03-15/87-32-57; CL from Cordova  
 Dadeville: WKGA 100.3, QC from 97.3, 2.2kw/167m  
 Eva: WRJL 99.9, PR>25kw/97m  
 Goodwater: WZLM 97.5, PC 5.1kw/108m, 33-01-42/85-59-23; CL from Talladega  
 Heflin: WPIL 91.7, PG>1kw/1m, 33-36-55/85-32-41  
 Helena: WANZ 100.5, PG>93kw/309m, 33-05-42/87-15-16  
 Hobson Cty: WASZ 95.5, PG 530w/332m, 33-37-38/85-53-25; CL from Ashland  
 Holly Pond: WRSA 96.9, CL changed from Decatur  
 Ider: WKOC-LP 103.1, NW 37w/49m, 34-43-03/85-40-48  
 Jackson: WHNB 94.5, CC to WHOD, FC to classic hits "Dixie 94.5"  
 Jemison: WEZZ 97.7, PC>3.1kw/140m, 32-58-12/86-43-04; CL from Clanton  
 Killen: WKSR 98.3, PR>25kw/100m, 35-00-35/87-21-30; CL from Pulaski TN  
 Luverne: WQLD 104.3, CC to WHLW, FC to black gospel "Hallelujah"  
 Midfield: WBHJ 95.7, PG<12.2kw/306m, 33-27-37/86-51-07; CL from Tuscaloosa  
 Mobile: WBLX 92.9, PR>98.4kw/550m, 30-36-45/87-38-43  
 Montgomery: WTSU 89.9, PG>234m  
 Scottsboro: WKEA 98.3, PG>12kw/146m, 34-31-57/85-55-07  
 Selma: WDXX 100.1, PG>150m, 32-25-06/86-58-49

### ALASKA:

Anchorage: KEAG 97.3, PG>19m  
 Juneau: KVIM-LP 92.7, PG 100w/-257m, 58-22-39/134-37-21; NW  
 Nome: KICY 100.3, PR>1kw/-110m, 64-30-09/165-24-37

### ARIZONA:

Camp Verde: KAJM 104.3, PR 22kw/807m, 34-13-47/112-21-03; CL from Payson  
 Colorado City: KMXM 107.3, PC>34kw/347m, 37-05-41/113-11-06

Coolidge: KCOO 89.9, PG<10w-H/10kw-V/922m, 33-17-55/110-50-28  
 Dolan Springs: KOAS 105.7, PC<100kw-H/537m, 35-50-11/114-19-08  
 Flagstaff: KLOD 100.1, FC to AC "Sunny 100"  
 Fountain Hills: KLVK 89.1, PR>30kw/703m, 33-35-33/112-34-49  
 Lake Havasu City: KNLB 91.1, PC>8kw  
 Miami: KOSS 98.3, PC>6kw/-69m; PR<-85m  
 Oro Valley: KCMT 102.1, PR>100kw/81m  
 Parker: KWFH 90.3, PR>26kw-V/28m, 34-16-59/114-05-58  
 Phoenix: KBAQ 89.5, PR<474m, 33-19-58/112-03-53  
 Safford: KFXQ 94.3, PG<1.7kw/671m, 32-53-23/109-19-26  
 Sells: KOHN 91.9, NW 10kw/505m, 32-07-59/112-09-31  
 Wickenburg: KSWG 96.3, PR>100kw/600m, 33-54-17/112-58-22

### ARKANSAS:

Ashdown: KPGG 103.9, FC to classic country "Legendary Country"  
 Barling: KOLX 94.5, PG<18.5kw/82m, 35-15-54/94-21-52, FC to Fox sports  
 Cotton Plant: NEW 99.3, AF 6kw/100m, 34-58-07/90-59-48  
 Greenbrier: KKSJ 107.1, PR 12.5kw/142m, 35-17-47/92-19-11; CL from Bald Knob  
 Hardy: KOOU 104.7, PR<5.4kw/93m, 36-16-29/91-30-18  
 Hot Springs: KSBC 90.1, CC to KLRO  
 Hot Springs Village: KVRE 92.9, PR>25kw/100m, 34-38-34/93-04-08  
 N. Crosett: KWLT 102.7, FC to classic rock

### CALIFORNIA:

Big Bear City: KBHR 93.3, PC 1.3kw/214m  
 Calipatria: KSSB 100.9, PR>5.2kw/40m  
 Davis: KRRE 104.3, CC to KXSE  
 Encinitas: KPRI 102.1, PR 32kw/188m, 32-50-24/117-14-52  
 Garden Grove: KEBN 94.3, PC>6kw/73m  
 Independence: KDAY 92.5, CC to KSRW  
 Kingsburg: KFYE 106.3, PC>16kw/128m, 36-26-50/119-37-10  
 Laytonville: KLAI 90.3, CC for new station  
 Long Bch: KKJZ 88.1, PC>30kw/144m  
 Ludlow: KHVZ 100.1, PC>76m  
 Merced: KHPO 106.3, PC 4kw/123m  
 Newport Bch: KDLE 103.1, PC 300w/294m, 33-36-19/117-48-38  
 Oceano: KLMM 94.1, PA from Morro Bay  
 Redondo Beach: KDAY 93.5, CC from KZAB  
 Ridgecrest: KZIQ 92.7, PC<3kw/-40m, 35-36-58/117-38-35  
 Ridgecrest: KWTD 91.9, PG 6.6kw/403m

San Fernando: KBUA 94.3, PC>6kw/26m  
San Joaquin: KTSX 105.5, signs on with country "US105.5"  
Shingletown: KKXS 96.1, PR>1.9kw  
Ukiah: KMEC LP 105.1, NW 100w/-181m, 39-09-15/123-12-24

#### COLORADO:

Carbondale: KCJX 88.9, NW 4kw-H/3.5kw-V/775m, 39-25-08/107-22-10  
Colorado Sprngs: KEPC 89.7, PR>10kw  
Dinosaur: NEW 101.1, AF 43kw/602m, 39-55-21/108-37-31  
Eagle: KTUN 101.7, PC<12kw  
Genoa: NEW 106.1, GA from 105.5  
Glenwood Springs: KRVG 95.5, PR>1kw  
Holyoke: KSTH 92.3, PR<1kw/64m, 40-34-49/102-19-11  
Julesburg: KKAS 96.5, CC to KJBL, signs on with country  
Kremmling: KKHI 106.3, PR 50kw-H/150m, 40-07-12/106-14-13  
Lakewood: KFDN 89.1, NW 430w-V/321m, 39-40-18/105-13-05 (K-Love)  
Limon: KIIQ 93.7, NW 1kw/-32m, 39-16-00/103-41-15  
Norwood: KRYD 104.9, PC>24kw  
Placerville: KTEI 90.7, NW 250w/453m, 37-59-29/107-58-21, signs on with religion  
Pueblo: KNKN 106.9, PC>27.5kw/203m, 38-06-32/104-29-18  
Security: KSKX 105.5, GA from class C3 to C2  
Sterling: KLZV 91.3, signs on with K-Love  
Yuma: KNEC 100.9, PC<23kw

#### DELAWARE:

Bethany Beach: WJNE 103.5, CC to WJKI

#### FLORIDA:

Clermont: WQQZ 88.7, PG>5.5kw-V/108m, 28-38-56/81-43-56  
Cross City: WCKO-LP 96.7, calls for new station  
Cypress Quarters: WREH 90.5, NW 100kw-H/91.7kw-V/76m, 27-20-51/80-57-04  
Holt: WTKE 98.1, PC 100kw/147m, 30-24-38/86-37-22  
Jacksonville: WKQL 96.9, CC to WJGL, FC to classic hits "96.9 The Eagle"  
Lake City: WMJB-LP 107.7, XR 30-09-48/82-38-18  
Madison: WAPB 91.7, PR>68m, 30-27-13/83-24-17  
Marco: WGUF 98.9, PR>6kw/100m, 26-03-10/81-42-11  
Pensacola: WJLQ 100.7, PR>98.4kw/550m, 30-36-45/87-38-43  
Pensacola: WYCL 107.3, FC to classic hits "My 107.3"  
Spring Hill: WGUL 106.3, CC to WJQB, FC to oldies "Juke Box Hits"  
St. Petersburg: WXGL 107.3, PR>410m, 28-10-56/82-46-06  
Tampa: WBVM 90.5, XG 27-50-53/82-15-48

#### GEORGIA:

Cartersville: WHLB-LP 104.9, calls for new station  
Coosa: WSRM 95.3, PG>5kw/109m, 34-11-46/85-21-03  
Pavo: WNKL 90.5, CC to WVRI  
Pinehurst: WQXZ 98.3, PR>3.1kw/140m, 32-10-03/83-37-51; CL from Cordele  
Unadilla: WCOP-FM 99.9, CC to WQSA  
Valdosta: WWET 91.7, PC 430w-V/26m, 30-49-35/83-16-40  
Waycross: WASW 91.9, NW 1.2kw/45m, 31-13-07/82-21-34 (AFA)

#### HAWAII:

Haiku: NEW 106.5, AF 69kw/696m, 20-39-36/156-21-50  
Kilauea: KAQA 91.9, PG>1.75kw/477m

#### IDAHO:

Aberdeen: NEW 99.5, AF 91kw/311m, 42-52-25/112-30-48  
Idaho Falls: KQEO 107.7, PR>100kw/201m, 43-21-06/112-00-22  
McCall: KDZY 98.3, PR<500w-H/586m, 45-00-18/116-08-01  
Orofino: KZID 98.5, PR>8kw  
Pocatello: KISU 91.1, PC>4.5kw-V/448m, 42-50-51/112-21-39  
Pocatello: KPPC 92.1, PR>12kw/301m, 42-52-26/112-30-47  
Rigby: KLRI 89.5, PG 78kw-V/466m, 43-30-04/112-39-44  
Sandpoint: KPND 95.3, PR>56kw/764m, 48-04-43/116-57-09  
Soda Springs: KITT 100.1, PR>4.5kw/115m, 42-40-07/111-33-18

#### ILLINOIS:

Bethalto: WFUN 95.5, FC to adult R&B "Foxy 95.5"

Canton: WBYS 107.9, CC to WCDD, FC to classic hits "CD107.9"

DuQuoin: WCFS-LP 105.9, NW 100w/12m, 37-58-15/89-13-58  
Mt. Carmel: WYNG 94.9, FC to ESPN Sports  
Pekin: WBNH 88.5, PR>48kw/154m, 40-38-53/89-33-26  
Sherman: WMHX 93.9, CL changed from Lincoln  
St. Anne: NEW 106.5, AF 2.2kw/147m, 40-59-30/87-41-11  
West Frankfort: WPKC-LP 95.5, NW 100w/27m, 37-54-45/88-47-50

#### INDIANA:

Aurora: WSCH 99.3, PR>2.3kw  
Baugh City: WYIR-LP 96.9, NW ?w/39m, 38-03-19/87-26-30  
Brownsburg: WKLK 101.9, PR<4kw  
Cannellton: WTCJ 105.7, req. CL from Tell City  
Evansville: WNIN 88.3, PR 17kw/256m, 37-59-01/87-16-13  
Kokomo: WJJD-LP 101.3, NW 100w/27m, 40-29-49/86-06-14  
Lafayette: WQSG 90.7, XR 40-22-14/86-30-32  
Lanesville: WGZB 96.5, GA from Corydon  
Loogootee: WBHW 88.7, PG>5.3kw/146m, 38-34-05/87-12-46  
Mitchell: WNUF 102.5, CC to WQRJ, FC to oldies "Super Oldies 102.5"  
Montpeiler: WJCO 91.3, signs on //WQKO 91.9 Howe  
Muncie: WJPB-LP 99.1, NW 100w/20m, 40-10-26/85-25-48  
Princeton: WSJD 100.5, XC 38-23-24/87-34-23  
Sellersburg: WQKC 93.9, PR<2.67kw/152m, 38-15-22/85-45-29; CL from Seymour; QR from 93.7  
Tell City: WLME 102.9, req. CL from Cannelton

#### IOWA:

Ames: KURE 88.3, PR>1kw/23m, 42-01-47/93-38-51 (adds V, was H only)  
Boone: KBGG 98.3, CC to WKQW  
Dubuque: KLYV 105.3, PR>106m  
Wapello: KLRX 88.9, PR>13.5kw-V/146m, 41-04-59/91-10-18  
Waverly: KWAR 89.1, PC>26m, 42-43-37/92-29-01

#### KANSAS:

Burlington: KSNP 97.7, PR>17kw/94m  
Chanute: KKOY 105.5, PR>8kw/178m, 37-35-59/95-39-10  
Ft. Scott: KOMB 103.9, PR>25kw/100m, 37-54-30/94-45-58  
Hugoton: KFXX 106.7, FC to regional Mexican "La Nueva"  
Hutchinson: KZSN 102.1, PG>100kw/313m, 37-46-40/97-30-37  
Shawnee: KMAJ 107.7, PR<90kw/299m, 39-00-45/95-01-46  
Wichita: KRBB 97.9, PG>313m

#### KENTUCKY:

Georgetown: WRVG-LP 93.7, calls for new station  
Oak Grove: WEGI 94.3, PC>6kw/78m, 36-38-28/87-26-01; CL from Springfield TN  
Pineville: WRIL 106.3, PG 1.15kw/228m, 36-45-16/83-42-12

#### LOUISIANA:

Bunkie: KEZP 104.3, PR 19.2kw/114m  
DeRidden: KBAN 91.5, PC<110m, 28kw  
Dubach: KPCH 97.7, PG<50kw/141m, 32-40-09/92-37-58  
Eunice: KJJB 105.5, CC to KEUN-FM  
Kenner: WKZN 105.3, CC to WKBU, FC to classic rock "Bayou"  
Lake Charles: KOJO 91.1, PC>4kw-H/14kw-V/118m, 30-12-07/92-56-47  
Laplace: WDVW 92.3, XC 29-57-10/90-43-26  
New Orleans: WEZB 97.1, shifts in more of a CHR/Pop direction, adds Kidd Kraddick  
Oil City: KVMA 107.9, has gone silent over interference at Barksdale AFB  
Shreveport: KBED 102.9, FC to R&B "Magic 102.9"  
Sulphur: KKGB 101.3, PG<12kw/146m, 30-14-41/93-20-37

#### MAINE:

Ellsworth: WWMJ 95.7, FC to classic rock "I95"  
Portland: WMGX 93.1, XR 43-41-17/70-15-27  
Rumford: WLOB 96.3, PR 40kw/430m, 44-15-03/70-25-16  
Westbrook: WYNZ 100.9, PC<93m, 43-41-26/70-19-05  
Winslow: WWWW 95.3, PR>12kw/205m, 44-42-48/69-43-39

#### MARYLAND:

Annapolis: WHFS 99.1, FC to Spanish tropical "El Zol"  
Crisfield: WBEY 97.9, PR>4.3kw/116m, 38-01-45/75-45-05  
Easton: WCEI 96.7, PG 12.3kw/141m, 38-57-22/76-05-36  
Frederick: WJTM 88.1, CC to WYPP  
Myersville: WARX 106.9, PA from Hagerstown  
Salisbury: WLWV 105.5, CC to WDKZ, FC to top 40  
"KissFM"

#### MASSACHUSETTS:

Newburyport: WNEF 91.7, PR>1kw-V/100m  
N. Dartmouth: WUMD LP 91.1, calls for new station  
Oak Bluffs: WVVY LP 93.7, calls for new station  
Winchendon: WINQ 97.7, CC to WOQL

#### MICHIGAN:

Benton Hbr: WBHC-LP 96.5, NW 100w/19m, 42-06-00/86-26-00  
Crystal Falls: WOBE 100.7, FC to classic hits "Classic Hits 100.7"  
Harbor Beach: WCZE 103.7, PG 43kw/161m, 43-41-10/82-59-40  
Hart: WCXT 105.3, PG<50kw/150m, 43-33-00/86-02-34  
Hart: WWKR 94.1, PG 13kw/141m, 43-51-33/86-18-25, CL from Pentwater  
Hartford: WSPZ 103.7, FC to oldies "SuperHits of the 60s and 70s"  
Hemlock: WCEN 94.5, XR 43-43-36/84-36-16  
Holton: WSHN 100.1, PC>2.9kw/144m, 43-18-50/86-09-17, FC to adult R&B "V100"  
Lake City: WAIR 104.9, NW 1.6kw/149m, 44-14-56/85-18-48  
Manistique: WPIQ 99.9, NW 6kw/46m, 45-58-13/86-11-06  
Munising: WHCH 98.3, CC to WRUP, FC to classic rock  
Newaygo: WODJ 92.5, calls for new station  
Pickford: WADW 105.5, PR>100kw/138m, 46-17-24/84-18-53  
Sault Ste. Marie: WTHN 102.3, XR 46-29-08/84-13-49

#### MINNESOTA:

Albert Lea: KCPI 94.9, PC>5kw/90m  
Grand Portage: NEW class C PA's on 92.7 and 102.7  
Hibbing: KADU 90.1, PR>2.2kw/113m, 47-24-34/92-57-02  
Hinckley: WYSG-LP 96.3, NW 100w/26m, 46-00-51/92-55-45  
Lanesboro: NEW 103.9, AF 6kw/100m, 43-43-59/92-05-08  
Moorhead: KXBO-LP 95.9, XR 46-52-28/96-47-02  
Moose Lake: WMOZ 106.9, PC>50m  
N. Mankato: KDOG 96.7, PG>11.5kw/150m, 44-08-34/94-06-36  
St. Charles: KLCX 107.7, FC to classic hits "Classic Hits 107.7"  
Vernon Center: NEW 94.1, AF 2.2kw/91m, 44-01-21/94-08-50

#### MISSISSIPPI:

Amory: WAFM 95.7, QG from 95.3  
Benton: WYAB 93.1, GA from Yazoo City  
Canton: WWCV-LP 100.5, NW 100w/29m, 32-36-44/90-02-05  
Quitman: WYKK-FM 98.9, CC to WLKO

#### MISSOURI:

Arcadia: NEW 103.9, AF 450w/284m, 37-34-23/90-41-35  
Bismarck: KHCR 99.5, NW 4.2kw/243m, 37-38-52/90-37-33  
Country Club: KJCV 89.7, NW 3.9kw/167m, 39-42-35/95-02-33  
Cuba: KESY 107.3, PR 6.7kw/191m, 37-55-17/91-26-36  
Lebanon: KJEL 103.7, PR>453m  
Lexington: KJMK 107.3, PR>361m  
Linn: NEW 103.1, AF 6kw/100m, 38-29-57/91-53-00  
Louisiana: KJFM 102.1, PR>3.7kw  
Malta Bend: KRLI 103.9, PR>12kw  
Mansfield: KTRI 95.9, PR>8.9kw/165m, 37-17-10/92-36-55  
St. Louis: KLOU 103.3, PG 90kw/313m, 38-34-24/90-19-30  
St. Robert: KFLW 98.9, PR 6.7kw/191m

#### MONTANA:

Helena: KZMT 101.1, PC 90.5kw/607m  
Livingston: KOZB 97.5, PR>243m  
Park City: KLZY 92.5, PG<100kw/200m, 45-45-54/108-27-19; CL from Powell, WY

#### NEBRASKA:

Omaha: KEFM 96.1, PR<75kw/370m, 41-18-29/96-01-36

#### NEVADA:

Caliente: NEW 94.5, AF 100kw/600m, 37-14-37/114-36-01  
Fallon: KAVS-LP 93.9, NW ?w/33m, 39-28-04/118-46-24  
Hawthorne: KMOC 90.1, PR<480w-V/957m  
Reno: KNEV 95.5, FC to AC "Magic 95.5"

#### NEW HAMPSHIRE:

Campton: WVFM 105.7, PR>130w/622m, 43-57-32/71-33-23  
Manchester: WGIR 101.1, relauches as "Active Rock Radio @ 101.1, Rock 101"  
Winchester: WOQL 98.7, CC to WINQ

#### NEW JERSEY:

Burlington: WPST 97.5, req CL from Trenton  
Pennsauken: WPPZ 107.9, QC from 107.7, 550w/252m, 39-57-09/75-10-05; CL from Bridgeton  
Pomona: WLFR 91.7, PR 500w/64m, 39-28-56/74-32-36

#### NEW MEXICO:

Alamogordo: KYEE 94.3, PR>38.5kw/426m, 32-49-40/105-53-40  
Alamogordo: KZZX 105.3, PR>1.37kw/412m, 32-49-40/105-53-40  
Albuquerque: KTZO 103.3, CC to KDRF  
Chama: KZRM 96.1, XR 95m, 36-53-58/106-36-07  
Dixon: KLDK-LP 96.5, NW 100w/-22m, 36-12-29/105-54-00  
Questa: NEW 103.7, AF 51kw/-64m, 36-39-23/105-37-57  
Raton: KBKZ 96.5, PC>5.4kw  
Roswell: KWFL 99.3, PR>50kw/136m, 33-21-47/104-38-11  
Ruidoso: KWES 93.5, PR>2.4kw/575m, 33-18-14/105-47-11  
Santa Rosa: KNLK 91.9, NW 100w/-8m, 34-57-20/104-40-53  
Taos: KXMT 99.1, NW 60kw/741m, 36-51-34/106-01-03  
Tucumcuri: KOAY 92.7, PG>126m, 35-08-23/103-44-35

#### NEW YORK:

Altamont: WZMR 104.9, FC to country // WFFG 107.1  
Arcade: WCOF 89.5, PG<1kw  
Ellenville: WELV-LP 107.9, calls for new station  
Oneota: WJH-LP 95.9, NW 100w/-62m, 42-27-31/75-03-25  
Remsen: WUCL 93.5, CC to WORK, FC to classic hits "River 93.5"  
Schulyer Falls: WAVX 90.9, NW 2.7kw/327m, 44-34-24/73-40-31  
Southampton: WEHM 92.9, PG 6kw/79m, 40-52-10/72-34-37  
Southold: WBEA 101.7, PG 6kw/86m, 40-52-10/72-34-37  
Tupper Lake: WRGR 102.1, PA from 102.3, class A to C3

#### NORTH CAROLINA:

Aurora: WSTK 104.5, NW 4.2kw/120m, 35-18-09/76-34-00  
Biltmore Forest: WOXL 96.5, NW 1.85kw/357m, 35-35-23/82-40-26  
Cary: WRSN 93.9, PA from Burlington  
Creedmoor: WFXQ 99.9, PG<22kw/89m, 36-04-52/78-28-27; CL from Chase City, VA  
Durham: WFXC 107.1, PR>7.5kw/151m  
Elizabethtown: WGQR 105.7, PR>4.3kw  
Fletcher: WQNO 104.3, PG>470w/349m, 35-31-39/82-29-49  
Franklin: WNCC 96.7, CC to WEZG  
Gaston: WYTT 97.9, CC to WTRG  
Gatesville: WQDK 99.3, PG>3.7kw/128m, 36-16-29/76-43-17; CL from Ahsokie  
Hickory: WLRZ-LP 99.3, NW ?w/70m, 35-44-33/81-20-04  
Mars Hill: WVMH-FM 90.5, PC 300w/-80m, 35-49-39/82-33-06 (adds V)  
Rocky Mount: WROM 90.9, PR>7.5kw  
Rose Hill: WZUP 104.7, FC to regional Mexican "La Invasora"  
Smithfield: WKIX 102.3, PR 2.6kw/153m, 35-27-03/78-15-13; CL from Goldsboro  
Stanley: WVEM-LP 100.5, PG 29w/54m, 35-22-34/81-03-56  
Whitakers: WSMY-FM 103.1, PA from Alberta, VA.

#### NORTH DAKOTA:

Fargo: KFNV 97.9, PR>468m, 47-02-19/97-11-19  
Jamestown: KXGT 95.5, PR>202m, 46-56-21/98-18-30  
Minot: KIZZ 93.7, PR 100kw/169m, 48-03-11/101-26-04  
Minot: KZPR 105.3, PR<169m, 48-03-11/101-26-04  
Valley City: KQDJ 101.1, PR>100kw/202m, 46-56-21/98-18-30

#### OHIO:

Caledonia: WYNT 95.9, PR>4.6kw/114m, 40-40-55/83-00-27  
Delhi Hills: WJYC 90.1, PG<15kw/102m, 39-13-34/84-42-59  
Delphos: WDOH 107.1, FC to soft AC  
Gahanna: WCVO 104.9, PG 2.5kw/137m, 40-06-29/82-48-49  
Nelsonville: WLCI-LP 97.5, NW 100w/13m, 39-26-38/82-13-32  
Racine: WLWF 93.1, PR 2.5kw/157m, 38-56-56-82-03-02; CL from Ravenswood, WV  
Wauseon: WXQQ 96.9, CC to WNKL, FC to EMF K-Love

#### OKLAHOMA:

Altus: KKVO 90.9, now K-Love  
Blanchard: KWEY 97.3, GA from Weatherford, class C1 to A  
Coweta: KDIM 88.1, NW 50w-H/100kw-V/168m, 35-42-24/96-05-39  
Tulsa: KWEN 95.5, PR>100kw/453m

#### OREGON:

Bay City: NEW 96.3, AF 430w/365m, 45-27-59/123-55-11  
Bend: KLVB 90.5, PR>1.5kw  
Bend: KTWS 98.3, PC 5.2kw/223m  
Cannon Beach: KCBZ 94.9, PR>7kw-H/1.2kw-V/92m  
Hood River: KCGB 105.3, "PR>1.1kw/234m, 45-39-45/121-28-14  
La Pine: KKLK 90.1, PR>2.5kw-V/40m, 43-34-50/121-34-13  
Lebanon: KXPC 103.7, PC>90kw/624m, 44-34-49/122-30-07  
Madras: KMAB-LP 99.3, NW 100w/-114m, 44-37-51/121-07-51  
Ontario: KZJC 89.1, CX, DE  
Pendleton: KWHT 103.5, XC 45-48-02/118-22-36  
Portland: KBPS 89.9, PG 3.7kw/440m  
Portland: KBVM 88.3, PR 1.5kw/438m  
Redmond: KLRR 101.7, PC 23kw/223m  
Tillamook: KTIL 94.3, QC from 94.1

#### PENNSYLVANIA:

Braddock: WRRK 96.9, relaunched with classic rock "97RRK, Rock without Rules"  
Carbondale: WCIG 91.3, calls for new station  
Centre Hall: WXMJ 99.5, PA from Mt. Union  
Everett: WSKE 104.3, PC>820w/270m, 40-00-11/78-23-58  
Hanover: WYCR 98.5, FC to classic rock "The Peak"  
Havertown: WHHS 107.9, QC to 99.9  
Mercer: WWIZ 103.9, PC>6kw, 41-12-16/80-21-49  
Mt. Union: WWLY 106.3, PA from Huntingdon  
Philadelphia: WSNi 104.5, PC 11.5kw/308m  
Red Lion: WSOX 96.1, PC 13.5kw/290m, 39-54-16/76-34-48

#### SOUTH CAROLINA:

Anderson: WJMZ 107.3, PG<301m, 34-38-51/82-16-13  
Cayce: WLTY 96.7, PR>9kw/132m, 34-00-18/81-00-44  
Charleston: WALC 100.5, FC to classic hits "100.5 The Drive"  
Columbia: WLTR 91.3, PR>98kw  
Columbia: WXYR-LP 99.3, PG 14w/79m  
Forest Acres: WWNQ 94.3, NW 2.55kw/136m, 34-00-04/81-02-05  
Greenville: WTBI 91.5, PG>22.5kw  
Irmo: WWNU 92.1, PC>15kw/130m, 34-04-55/81-07-36, FC to country "New 92"  
Kingstree: WWKT 99.3, PC 11kw/150m, 33-54-07/79-59-52  
Lexington: WGNH-LP 107.7, NW 100w/17m, 34-01-41/81-12-24  
Litchfield Beach: WSIM 105.3, PA from Fair Bluff, NC dismissed  
McClellanville: WWBZ 98.9, CC to WAZS-FM  
Orangeburg: WOQI 102.9, PG 3.1kw/139m, 33-26-35/80-48-16

#### SOUTH DAKOTA:

Lennox: NEW 99.1, AF 25kw/100m, 43-22-36/96-48-19  
Pierre: KGFX 92.7, PG>50kw/149m, 40-18-30/100-20-49

#### TENNESSEE:

Belle Meade: WNPL 106.7, FC to sports "106.7 The Fan"  
Benton: WOCE 93.1, PC 5kw/109m, 35-05-40/84-53-45  
Bristol: WHCB 91.5, PR>4kw/715m  
Byrdstown: NEW 98.9, AF 1.1kw/232m, 36-29-26/85-01-47

Lawrenceburg: WLLX 97.5, PR>42kw/161m, 35-16-56/87-06-18  
Maryville: WLHR-LP 105.9, PG>38m, 35-46-30/83-56-14  
McKinnon: WTPR 101.7, QR from 101.5, 1.8kw  
Oak Ridge: WNFZ 94.3, PR>8.8kw/166m, 35-53-10/84-08-11  
Ripley: WAUV 89.3, PR>5.3kw/120m, 35-46-31/89-28-18

#### TEXAS:

Amarillo: KXGL 100.9, PC>398m, 35-18-53/101-50-47  
Amarillo: KXLV 89.1, PR>27.5kw  
Bastrop: KMHF 88.5, CC to KHIB  
Bay City: KMKS 102.5, PG>100kw/142m  
Beaumont: KQOK 107.9, PR 90kw/596m, 30-01-01/94-32-47  
Borger: KAVO 91.5, CC to KAXH  
Bridgeport: KBOC 98.3, PG>40kw/620m, 33-26-13/97-29-05  
Concord: KAXF 88.3, CC to KAFR  
Floresville: KLEY 94.1, signs on with rhythmic oldies "Jammin' 94.1" (San Antonio)  
Krum: KNOR 93.7, PR>100kw/450m, 33-31-38/97-24-54  
Levelland: KLVT 105.3, QC from 105.5, 25kw  
Mason: KNAF 105.7, NW 9.1kw/164m, 30-21-49/98-54-47  
Mont Belvieu: KRWP 97.5, PA from Beaumont  
Odessa: KBMM 89.5, PC>25kw  
Pampa: KAXH 90.7, PC>7kw, CC to KAVO  
Pecos: KIOL 97.3, CC from KKLY  
Pt. Arthur: KTJM 98.5, PR>100kw/596m, 30-01-01/94-32-47  
Sanger: KTDK 104.1, PR>6.15kw/192m, 33-28-47/97-03-22  
Seguin: KSMG 105.3, PG>100kw/453m  
Thorndale: KJAZ 99.3, XR 30-29-23/97-17-56  
Victoria: KEPG 100.5, PR>4.3kw/118m, 28-46-55/96-56-20

#### UTAH:

Brigham City: KJQN 100.7, CC to KEGH, FC to country "Eagle", KEGA 101.5 simulcast  
Coalville: KPEB 103.1, CC to KJQN  
Hurricane: NEW 102.9, AF 9.2kw/344m, 37-05-41/113-11-06  
South Jordan: KUUV 92.5, PR 500w/1198m, 40-39-35/112-12-05; QR from 92.1

#### VERMONT:

Addison: WXAL 93.7, PG 21kw/108m, 44-13-15/73-24-37  
Grand Isle: WLFE 102.3, PA from class A to C3, CL from St. Albans

#### VIRGINIA:

Alberta: WSMY 103.1, FC to AC  
Clarksville: WICE 98.3, CC to WLUS-FM  
Colonial Heights: WKHK 95.3, PR>50kw/150m  
Crewe: WKJS 104.7, CC to WPZZ  
Powhatan: WBBT 107.3, PR 3.8kw/127m, 37-26-20/77-51-08  
Richmond: WJMO 105.7, CC to WKJS  
South Boston: WHLF 95.3, PR<4kw/50m, 36-44-01/78-59-51  
Vinton: WZZI 101.5, FC to oldies "Bob 101.5"  
West Point: WWBR 107.9, now simulcasting oldies WSRV 92.3

#### WASHINGTON:

Nile: KLRO 88.1, CC to KSBC  
Seattle: KROI 96.5, PR 49kw/696m, 47-30-17/121-58-03  
Spokane: KDRK 93.7, PC>60kw/739m, 47-34-14/117-04-55  
Spokane: KYWL 103.9, CC to KBDB-FM, FC to classic hits/Hot AC "Bob 103.9"  
Wilson Creek: KWLN 103.3, NW 25kw/74m, 47-16-40/119-00-00

#### WEST VIRGINIA:

New Martinsville: WXCR 92.3, PR>3.2kw

#### WISCONSIN:

Biramwood: WYNW 92.9, PR>6kw/100m, 44-59-57/89-22-24  
Nekoosa: WMMa 93.9, PR>18kw/112m  
Rhineland: WRHN 100.1, PR<89m, 45-37-42/89-23-38  
Richland Center: WRCO 100.9, PR>23kw/105m  
Sturtevant: WEXT 104.7, PC>4.2kw/103m, 42-51-20/87-50-41  
Three Lakes: WLSL 93.7, PC>100kw/124m

#### WYOMING:

Cheyenne: KLEN 106.3, PR<6kw/99m, 41-03-09/104-49-55  
Glendo: KYOD 100.1, PR>100kw/139m  
Glenrock: KGRK 98.3, Calls for new station

# Eastern TV-DX

Matthew C. Sittel  
15013 Eureux St.  
Bellevue, NE 68123  
mcsittel@cox.net

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February, 2005

Mar. 2005 column deadline: Feb. 12

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Eastern TV-DX is for reporters from the following states: AL, CT, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT and WV, plus Washington, DC. Also for reporters from the following Canadian provinces: NB, NF, NS, ON, PEI and PQ. Overseas reports welcome!

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There's not too much DX to report this time; one of these reports was held over from last month. Hopefully conditions will improve!

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John Vervoort, 102 Northside Drive, Unit 2D, Madisonville, KY 42431-6158

Equipment: 2003 Toshiba 13A23, 2002 Sharp DV-NC55U VCR/DVD, Radio Shack 15-1244A RF modulator, Radio Shack 15-1838 amplified indoor antenna.

## 10/22 tr

1602	<u>WKRN</u>	2	TN	Nashville
1603	<u>WAVE</u>	3	KY	Louisville
1605	<u>WSMV</u>	4	TN	Nashville
1606	<u>WTVFt</u>	5	TN	Nashville
1608	<u>WBKOt</u>	13	KY	Bowling Green
1613	<u>WNPX</u>	28	TN	Cookeville
1614	unID	29		
1615	<u>WUXPt</u>	30	TN	Nashville
1615	<u>WHTNt</u>	39	TN	Murfreesboro
1619	unID	22		

1823	<u>WTHI</u>	10	IN	Terre Haute "Action 10 News"
1824	<u>WHAS</u>	11	KY	Louisville (New Albany, IN antenna farm)
1826	unID	15		
1828	unID	18		
2058	unID	3	ABC	
2059	<u>WPTD</u>	16	OH	Dayton "Think 16" (WCPO-9 election coverage)
2100	<u>WDRB</u>	41	KY	Louisville "FOX 41 News"

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Saul Chernos, Toronto, ON

## 9/21 tr (Toronto-downtown)

0730 WQPX 64 PA Scranton, Pax

## 9/28 Es (Burnt River-main site)

2030 unID 4 Fox 4 News promo

## 9/29 Es (Burnt River-main site)

2017 WDIQ 2 AL Dozier, APT

2113 WEAR 3 FL Pensacola

"3 abc" bug

## 11/4 tr (Toronto-Scarborough Bluffs)

0155 WSKG 46 NY Binghamton, bug

0214 WQPX 64 PA Scranton, Worship

0220 WIVT 34 NY Binghamton, logo

0221 WETM 18 NY Elmira, "eXtra"

## 11/15 tr (Burnt River-East Hill)

0800 CIII6 6 ON Ottawa, Global

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No real long-haul tropo on FM or TV this year, and the good Es was relegated to a few great days in early July. Here's hoping for a productive 2005 season! 73s, Saul

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Harry Hayes, Wilkes-Barre, PA

Equipment: Zenith Sentry-1991 Model, Quad loop on window facing south.

## 8/31 Es

1910 KGAN 2 IA Cedar Rapids

## 10/23 Es

2125 WBRZ 2 LA Baton Rouge

## 11/26 Es

2325 unID 5 WOI or KHAS

## 12/26 Es

1815 unID 2 ABC News

1815 KDLH 3 MN Duluth

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There seems to have been a fair amount of Es activity this winter season. I have been busy and have not been checking all that often. The 11/26 opening was a surprise, being at 11:30 at night and got up to at least 104 MHz. It didn't last long, however.

---

Roy Barstow, PO Box 2488, Teaticket, MA 02536

11/4 MS

0510 CIVA1 8 PQ Rouyn-Noranda 617  
11/7 tr  
1930 15, 27, 33, 43, 49 eastern Virginia  
W17, W24, W35, W39, W41, W44,  
W45, W36, W56, W60 eastern VA  
WPXV 35 NC Jacksonville 577  
WUNM 19 NC Jacksonville 577  
WYDO 14 NC Greenville 562  
WEPX 38 NC Greenville 562  
WUNJ 39 NC Wilmington 660  
WFXI 8 NC Morehead City 550  
2310 unID 18 religious, not TBN??

11/26 Es

2315 KTVO 3 MO Kirksville  
KQTV 2 MO St. Joseph

11/29 tr

2245 WUNJ 39 NC Wilmington 660  
WSFX 26 NC Wilmington 660  
2350 WUNM 19 NC Jacksonville 577

11/30 tr

0010 WPXV 35 NC Jacksonville 577  
0015 WNCN 17 NC Goldsboro 592  
PM 14 Fox, 35/38 Pax NC, also many  
From eastern Virginia. Last 2 nights  
Signals not strong.

Picking up CIVA1-8 via MS has whetted my appetite for meteor scatter. Here on Cape Cod the tropo lingers on, much like the tourists here.

A man for all seasons for the love of DXing I am. When the leaves are all down and snow covers the ground, and the tourists have left old Cape Cod, that's when I fire up the VCRs in hopes of receiving new distant stations.

---

Charles Gauthier, St-Lambert, PQ, Canada (45,5125N 73,5061W) tvfmdx@yahoo.ca

Equipment: JVC AV-20120 20" TV, JVC HR-S3800U SVHS VCR, Antennacraft 32 element VHF-UHF-FM antenna at 30' AG, CM9510A rotor, RG6 coax, Tin Lee MQ7-CH2S6P switchable notch trap for ch.2 and 6. In Brossard QC: Antennacraft 48 elements at 35' AG, Sony TV.

9/13 tr

2059 WROC 8 NY Rochester 260  
2100 WXXI 21 NY Rochester 260  
2102 WUHF 31 NY Rochester 260  
2105 WUTV 29 NY Buffalo 318  
2107 WNYS 43 NY Syracuse 225  
2110 WSYT 68 NY Syracuse 225

9/14 Tr

1725 WMUR 9 NH Manchester 199  
1728 WPXG 21 NH Concord 194  
1730 WTIC 61 CT Hartford 265  
1804 WBZ 4 MA Boston 248  
1806 WTNH 8 CT New Haven 284  
1814 WFXT 25 MA Boston 249  
1820 WLVI 56 MA Cambridge 249  
1834 WNDS 50 NH Derry 218  
1840 WDPX 58 MA Vineyard Haven 308  
2334 WTXX 20 CT Waterbury 277  
2359 WVIT 30 CT New Britain 265

9/23 tr

1815 WCNY 24 NY Syracuse 219  
1820 WNYS 43 NY Syracuse 225

1828 WSYT 68 NY Syracuse 225  
1832 WFXV 33 NY Utica 196  
1837 WSPX 56 NY Syracuse 197  
2310 CIVV 8 PQ Chicoutimi 248  
2314 CKRT 7 PQ Riviere-Du-Loup 243  
2323 WTNH 8 CT New Haven 284  
2326 WTXX 20 CT Waterbury 277  
2329 WVIT 30 CT New Britain 265  
2333 WTIC 61 CT Hartford 265  
2335 WCTX 59 CT New Haven 284  
2340 WCDC 19 MA North Adams 199

09/24 Tr

0116 WKTU 2 NY Utica  
0358 WNBC 4 NY New York 332

DX from Brossard, PQ

12/9 Es

1815 WTVY 4 AL Dothan  
1820 WRBL 3 GA Columbus

12/27 Es

1808 WREG 3 TN Memphis  
1829 KMOV 4 MO St. Louis

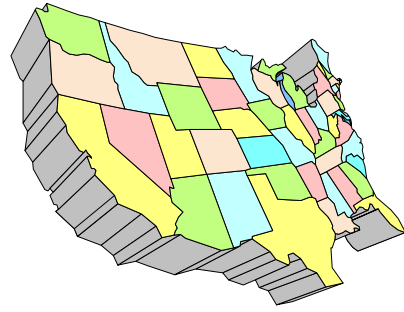
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Helpful hint: if you submit your report to me using Microsoft Word (or in another electronic format, such as WordPad), please tab delimit each field, and follow the reporting format seen in the above reports. This will speed up preparation of the column, as I can use it "as-is" with a minimum of reformatting and retyping. Thanks in advance for your cooperation!

That's all for this month. If you've been seeing some off-season skip or didn't report your summer and fall catches, now's as good a time as any to report! Help fill the pages of the VUD with the wholesome goodness of DX reports! 73s Matt.

# WESTERN TV DX

**VICTOR FRANK**  
**12450 SKYLINE BLVD.**  
**WOODSIDE, CA 94062-4554**  
**Victor.frank@sri.com**



**Dennis Park Smith**, 3605 San Remo Drive, Santa Barbara, CA 931105-2523 (805)687-7803

This report is for November 2004. Southern-California coastal tropo (to San Diego/Tijuana, up to 200 mi—320 km) was mediocre, typical for this time of the year with mostly unsettled weather to keep the atmosphere stirred up and unstratified.

Nov 1-2am: None (Cont'd from Oct 15-31)  
Nov 2 eve-3am: Fair  
Nov 3 eve-14: None (Occ. Rain Nov 4-13).  
Nov 15-16: Poor  
Nov 17: Fair  
Nov 18-19am: Good  
Nov 19 eve: Poor  
Nov 20-22: None (Unsettled, stormy nearby)  
Nov 23-24: Very poor  
Nov 25: Poor  
Nov 26-30: None (Stable but colder)

I made a quick trip to Wasco Nov 26 eve-27 a.m., where I found another new local. KVVG-LP 31 Porterville (Almavision Hispanic Network)(near local, possibly 40 mi) was new in July, and low-power 31 Bakersfield (Telefutura)(possibly 35 mi) was new this time, as quite a strong local, overtaking KVVG. The two Ch. 31s may be no more than 50 miles apart. The new Ch. 31 Bakersfield is evidently a channel change for LP 52 Bakersfield (presently simulcast on both channels) except for a bottom-screen crawler on Ch. 52 only, which said in English and Spanish, "Telefutura is now on channel 31. Please tune to channel 31 now for Telefutura." Ch. 31 has quite a stronger signal than Ch. 52. There was a 3-way ID for Chs. 31/52 (same call letters for both channels in this apparent transition) and LP Ch. 4 Telefutura Bakersfield, but I forgot to make note of the letters.

I had a great visit with Bob Cooper in Bakersfield on the afternoon of November 27, as he was making a quick trip through California. I haven't actually seen him since perhaps 1961 when he lived in California.

This report is for December 2004. The coastal tropo to San Diego/Tijuana (200mi/320km) was poor most of the time, typical for this time of the year.

Dec 1-2: None (Stable but cold since Nov 26)  
Dec 3-9: None (Unsettled, Occ. Rain Dec 3-8)  
Dec 10: Very poor (Stable, slightly warmer)  
Dec 11: Poor  
Dec 12: Fair (Perhaps low inversion layer in this early part of a stable cycle?)  
Dec 13: Poor  
Dec 14-18 am: Very poor

Dec 18 eve: Improved to poor  
Dec 19: Fair  
Dec 20: Poor  
Dec 21-24: Very poor  
Dec 25: Fair to good  
Dec 26 am: Poor, deteriorating  
Dec 26 eve-31: None Unsettled; rainy into January

Best of DX to All, Dennis

**Mike Cherry, VE7SKA**, Salt Spring Is., BC CANADA

Santa brought us a little winter Es after the dismal summer we had:

#### December 2004

23Es 0042 KWGN 2 CO 145  
0057 KUTV 2 UT 165  
0128 KREG 3 CO 155  
0152 KTVK 3 AZ 155  
0157 KNAZ 2 AZ 155

**William Draeb**, 1304 Ellis St., Kewaunee, WI 54216-1802

Equipment: 1994 Sylvania 25" TV; Rohn 25G 40' tower; ch 2026, Y713, KU420(screened) antennas. CMA-Ub, CMA-HB; preamps; TR44 rotor; etc.

#### December 2004

8 tr 1545 WICS 20  
WAND 17  
1615 Peoria 19, 25, 31 all tentative  
1642 WRSP 55  
WCFNt 49  
1649 WTJRt 16  
1800 WICD 15

No evidence of network changes for WICD-15, WAND-17, and WICS-20 per the April 2004 VUD TV News column.

1928 WQPT 24 PBS fundraising  
KLJB 18  
1941 Cedar Rapids/Waterloo IA 28,48  
1948 unID 14 South  
2028 WILL 12 PBS fundraiser,  
audio ID  
2033 WTHI 10 Video ID at 2058  
under WMVS-10  
WISht 8  
9 Es 1820 2 & 3 South  
WEDU 3 PBS fundraiser  
1859 KIDK 3 "Newswatch 3,  
No Wait News  
1914 unID 4 West  
11tr 1840 KCRG 9 Iowa lottery ad



	KWWL	7	
	1941 KYOU	15	Ad ment. Fairfield IA
	1948 WTJRt	16	
	2015 KLBJ	18	
16Es?	1200 unID	2	weak
21Es	1634 unID	2	NW
	1636 KCWC	4	
	1705 KLNE	3	Educ; NE PTV logo in corner or screen
	KDUH	4	Inside Edition
	1726 KIDKt	3	
	1736 KOAA	5	
	KTVSt	3	
	1751 KCNC	4	Weather
	KWGNt	2	
	1759 KREG	3	
22tr	1945 WANE	15	
	WKJG	33	
	WFWAt	39	
23Es	1604	2-4	NE
	1630 CFRS	4	
26Es	1502	2-4	NE
	1628 WEDU	3	
	WJXTt	4	
	1630 WRBLt	3	
	1758 WGBH	2	
	WBZ	4	
	WFSB	3	Ad, "at your Connecticut Chevy dealer."
28Es	0511 KIDKt	3	
	KOUS	4	Home Shopping Net
	KTVQt	2	
	0518 KXLF	4	Sign-on ID slide
	0550 KRTV	3	ID @ 0630
	KYUST	3	
	1600	2-3	West
	1645 KSWK	3	
	1658 KLBY	4	w/KAKE-10 news
	1712 KNOPt	2	
	1717 KCNC	4	
	1729 KDUH	4	
	1742 KOTA	3	
29Es	1200 unID	2	
	1610 West 2 stn	3	Povitch & J.Pauly
	1618 unID	2-	
	1627 unID	3	"K-SAN, news channel 3" promo carrying Jane Pauly. Ideas? KACB?
	1700 WEDU	3	ID
	1715 WRBLt	3	
	1720 WDIQt	2	
	1753 WCBD	2	Lottery @ 1800
	1800 WCIV	4	
	WCSCt	5	
	WWAY	3	
	1810 WECTt	6	
	1840 WSAV	3	ID

An interesting month with all the Es. I thought winter was supposed to be boring.

**Matthew C. Sittel, 15013 Eureux Circle,  
Bellevue, NE 68123  
mcsittel@cox.net  
<http://members.cox.net/mcsittel/beltdvx.htm>**

Equipment: Winegard PR-9032 UHF antenna at 35', Winegard AP-4700 UHF pre-amp., Winegard PR-5030 VHF antenna at 32', Channel Master remote controlled rotor, MFC traps for channels 3,

6 and 7, Hauppauge WinTV-D PCI card for HDTV, Hauppauge WinTV-USB for Dell laptop.

<u>8/7 tr</u>					
2210	KOLR	10	MO	Springfield	312
<u>8/7 Es</u>					
2320	unID	2	to the south		
<u>8/14 tr</u>					
1010	<u>KSIN-DT</u>	28	IA	Sioux City	105
PSIP 1: (KSINSD1), 2: (KSINHDT)					
<u>8/18 tr</u>					
0721	KDNL	30	MO	St. Louis	344
0725	KOMU	8	MO	Columbia	247
<u>8/19 tr</u>					
0649	KFXB	40	IA	Dubuque	291
2114	WXFT	60	IL	Aurora, SS	433
2118	WWTO	35	IL	La Salle	364
2128	WXIN	59	IN	Indianapolis	518
2137	WGBO	66	IL	Joliet	433
2134	KWQC-DT	56	IA	Davenport	289
2201	WNDU	16	IN	South Bend	505
2203	WHMB	40	IN	Indianapolis	518
2206	WTTK	29	IN	Kokomo	525
2210	KCRG-DT	52	IA	Cedar Rapids	226
2215	WPWR	50	IN	Gary	433
2215	KLJB-DT	49	IA	Davenport	289
2230	<u>WLFJ</u>	18	IN	Lafayette	490
CBS programs off one hour, later nx					
2315	<u>WLIQ</u>	35	OH	Lima, local ad confirmed by Fred Vobbe; thanks Fred!	616
2315	25/31/47		IL	Peoria	334
2326	WCCU	27	IL	Urbana, Fox 27	423
2330	WRSP	55	IL	Springfield	352
2338	WCIU	26	IL	Chicago	433
<u>8/20 tr</u>					
0010	WPTA	21	IN	Fort Wayne	559
0013	WFFT	55	IN	Fort Wayne	559
Area code (260) ad					
0015	WQAD-DT	38	IL	Moline	289
0016	<u>WTLW</u>	44	OH	Lima, religion	614
0029	WSNS	44	IL	Chicago, SS	433
0056	WIPB	49	IN	Muncie	557
"Newslink Indiana" report w/weather					
0057	<u>WPXD</u>	31	MI	Ann Arbor	618
Pax programming // 38 Chicago					
0101	WTTW	11	IL	Chicago	433
0103	<u>WXFT-DT</u>	59	IL	Aurora	433
PSIP: (Telefutura Chicago)					
0106	<u>WGTE</u>	30	OH	Toledo	649
0108	DT 47/51/52/53		IL	Chicago	433
0110	<u>WSNS-DT</u>	45	IL	Chicago	433
PSIP: (WSNS-DTV)					
0112	WFLD-DT	31	IL	Chicago	433
PSIP: (WFLD-DT)					
0113	<u>WJYS-DT</u>	36	IN	Hammond	433
0115	WMAQ-DT	29	IL	Chicago	433
PSIP: (NBC5-DT)					
0117	<u>WCPC-DT</u>	43	IL	Chicago	433
6 different DTV programs!					
<u>8/21 tr</u>					
2219	WICS	20	IL	Springfield	352
<u>8/26 tr</u>					
0230	10/47		MN	Rochester	248
0230	DTs 36/46		MN	Rochester	247
0240	KGAN	2	IA	Cedar Rapids	224
0245	DTs 51/55		IA	Cedar Rapids	224
0247	KSTC	45	MN	Minneapolis	309
0252	<u>KAAL-DT</u>	33	MN	Austin	225
PSIP: (KAAL-DT)					
0704	KLJB	18	IA	Davenport	289
0741	WKOW	27	WI	Madison	358

0744	KTVO-DT	33	MO	Kirksville	186	2321	KRIN-DT	35	IA	Waterloo	226
<u>8/28 tr</u>						<u>9/10 tr</u>					
0222	10/DT 36/47		MN	Rochester	247	0150	19/DT 30/31		WI	La Crosse	299
<u>8/29 tr</u>						0157	KTTC-DT	36	MN	Rochester	247
2116	WKOW	27	WI	Madison	358	0200	WFXS	55	WI	Wittenberg	427
2125	WWTW	9	MI	Cadillac, note 1	578	0203	12/33		KS	Wichita	231
2209	KLJB	18	IA	Davenport	289	0205	KNLJ	25	MO	Jefferson City	262
<u>8/31 Es</u>						0206	KFVS	12	MO	Cape Girardeau	427
1705	WLBZ	2	ME	Bangor, note 2	1397	0210	WHA	21	WI	Madison	355
1729	CKAL1	2AB		Lethbridge	1014	0211	KFXB	40	IA	Dubuque	291
"A-Channel" promo; fighting with Maine!?						0214	WACY	32	WI	Appleton, ID	462
1855	WCBS	2	NY	New York, logo	1143	0235	WGBA-DT	41	WI	Green Bay	462
<u>9/1 tr</u>						PSIP: (WGBA-DT)					
0348	KFJX	14	KS	Pittsburg	276	0238	26/38		WI	Green Bay	462
0405	DTs 35/45		MN	Minneapolis	309	0254	WYOW	34	WI	Eagle River	466
0405	10/DT 36		MN	Rochester	247	0302	WJFW	12	WI	Rhineland	462
2146	DTs 51/52		IA	Cedar Rapids	224	sign-off, rare catch					
<u>9/2 tr</u>						0317	10/47		MN	Rochester	248
0135	KLJB	18	IA	Davenport	289	0312	DT 35/45		MN	Minneapolis	309
0135	KYOU-DT	14	IA	Ottumwa	207	0658	WTTK	29	IN	Kokomo	525
0141	17/23/29/45		MN	Minneapolis	309	0659	WNDU	16IN		South Bend	505
0141	DTs 44/50		MN	Minneapolis	309	0705	unID	38		Spanish children's show	
0144	KTTC-DT 36MN			Rochester	247	<u>9/27 tr</u>					
0144	DTs 26/34/35		MN	Minneapolis	309	0715	KXLT	47	MN	Rochester	272
0148	WCCO-DT 32		MN	Minneapolis	309	<u>10/6 tr</u>					
0154	WFTC-DT21MN			Minneapolis	309	0658	KLJB	18	IA	Davenport	289
rare; tough to log w/local WOWT-DT 22						<u>10/22 tr</u>					
0204	WLAX	25	WI	La Crosse	299	0714	KOOD	9	KS	Hays	217
0204	WEUX	48	WI	Chippewa Falls	343	0717	KAAS	18	KS	Salina, note 3	158
0211	WQAD-DT	38	IL	Moline	289	<u>11/6 tr</u>					
0222	K31EF	31	MN	Frost	200	0845	KXLT	47	MN	Rochester	272
0228	KARE	11	MN	Minneapolis	309	0846	WEUX	48	WI	Chippewa Falls	343
0234	KLJB-DT	49	IA	Davenport	289	0848	WIFR-DT	41	IL	Rockford	358
<u>9/8 tr</u>						0850	KTCA-DT	34	MN	St. Paul	309
1940	KLJB	18	IA	Davenport	289	0853	WREX-DT	54	IL	Rockford	355
1940	KOZK	21	MO	Springfield	312	0854	KLJB	18	IA	Davenport	289
2000	27/33		MO	Springfield	312	0901	KWQC-DT	56	IA	Davenport	289
2127	KXLT	47	MO	Rochester	272	0903	KLJB-DT	49	IA	Davenport	289
2134	WFTC	29	MN	Minneapolis	309	0903	38/60/66		IL	Chicago	433
2136	WICS	20	IL	Springfield	352	0904	DTs 51/52/53		IL	Chicago	433
<u>9/9 tr</u>						0908	WWTO	35	IL	La Salle	364
0250	KDNL	30	MO	St. Louis	344	0910	WAOE	59	IL	Peoria	337
0259	WKOW	27	WI	Madison	355	0930	WSNS	44	IL	Chicago	433
0301	KFJX	14	KS	Pittsburg	276	0938	KNLJ	25	MO	Jefferson City	262
0308	WKMU	21	KY	Murray	500	0947	WDJT	58	WI	Milwaukee	432
0311	WEEK	25	IL	Peoria	335	0954	DTs 51/52		IA	Cedar Rapids	224
0312	KYTV-DT	44	MO	Springfield	315	0959	KDNL	30	MO	St. Louis	344
0312	WSIL-DT	34	IL	Harrisburg	447	1000	WRSP	55	IL	Springfield	352
PSIPs: 1 (WSIL-HD), 2 (WSIL-SD)						<u>11/26 Es</u>					
0317	WHOI	19	IL	Peoria	333	1904	WUNC	4	NC	Chapel Hill	991
0327	KWBM	31	AR	Harrison	353	1911 unIDs 2 PBS, 5 CBS. WUND/WRAL?					
0329	KFVS	12	MO	Cape Girardeau	427	<u>12/21 Es</u>					
0345	KPLR-DT	26	MO	St. Louis	345	1707	WCBS	2	NY	New York	1143
PSIP: (WB11-DT, St. Louis' Digital WB)						<u>12/23 Es</u>					
0347	WPSD-DT	32	KY	Paducah	460	1735	unID	2			
PSIP: (WPSD-DT)						<u>12/28 Es</u>					
0351	WTCT	27	IL	Marion, TBN	443	1735	unID	2		ABC to the southeast	
0400	WFLD	32	IL	Chicago	433	<u>12/29 Es</u>					
0708	KOOD	9	KS	Hays	217	1816	WMAR	2	MD	Baltimore	1023
0709	KWCV	33	KS	Wichita	244	1823	WTTG	5	DC	Washington	1007
0720	KFXB	40	IA	Dubuque	291	1829	WRC	4	DC	Washington	1007
0724	DTs 51/52/55		IA	Cedar Rapids	224	"NEWS 4 Newsbreak"					
0732	KWQC-DT	56	IA	Davenport	289	Notes:					
2155	WBXX	20	TN	Crossville	714	1. WWTW-9: I was scanning the dial and noticed something zero offset to KCAU floating strongly behind it. During a local break I could clearly see a large "9&10" logo and "NEWS". I wasn't expecting this one. This breaks my old high band VHF furthest					
2155	WPXK	54	TN	Jellico, Pax	716						
2204	DTs 51/52		IA	Cedar Rapids	224						
2206	KOZK	21	MO	Springfield	312						
2212	KMIZ	17	MO	Columbia	240						
2321	WTVO	17	IL	Rockford	358						
2321	WKOW	27	WI	Madison	355						

logging by 60 miles. No other stations short of Madison were seen; most of the dial was empty!

2. My most wanted skip logging-I wasn't sure I'd ever get it. Local newscast with Maine politician mention, later faded up enough to make out logo in LR.
3. I have no idea why this took 5+ years to log here... it wasn't for lack of checking!

Fall tropo started out with great promise, but ended up being a dud. There were some exciting moments in August and September, with a few new loggings. A little off-season skip in December was nice, although it tended to be very short-lived (on the order of 10 minutes) and thus IDs were few and far between. Log totals now stand at 786, which includes 129 DTVs. 73s Matt.

<b>STATISTICS</b>															Fred Nordquist 7945 Boxford Road Clay NY 13041-8606 Email: nordquist@twcny.rr.com	
Featuring FM/TV Scoreboards, All Time Distance Records, States Stats and Personal Best Statistics of FM/TV DXers.																
FM SCOREBOARD-CURRENT WTFDA MEMBERS															FEB 2005	
FNAME	LNAME	LOCATION	TOTAL	88-92	LPFM	ES	MS	AU	USA	DC	CN	MX	FO	TPU	YB	AS OF:
RICHARD	SHAFTAN	NJ SPARTA	2549	491	-	1548	65	1	38	1	7	0	3	49	1978	11/24/03
MIKE	BUGAJ	CT ENFIELD	2325	395	1	1377	25	26	37	1	6	2	3	49	1974	06/20/03
JOHN	EBELING	MN BLOOMINGTON	2217	408	-	1216	67	89	48	1	7	5	0	61	1952	01/01/05
JOHN	EBELING	MN PROSIT	2190	498	1	1459	4	7	48	1	9	3	0	61	1975	01/01/05
JOSEPH	FELA	NJ S. PLAINFIELD	2179	455	-	1250	2	10	38	1	6	0	3	48	1988	07/18/01
FRED	NORDQUIST	NY CLAY	1916	431	19	978	71	61	42	1	6	0	3	52	1988	01/11/05
BRUCE	ELVING	MN ESKO-DULUTH	1907	377	-	1435	9	8	47	1	4	3	0	55	1948	07/29/00
BOB	SEYBOLD	NY DUNKIRK	1684	324	-	667	0	2	45	1	8	3	3	59	1958	11/16/03
SAUL	CHERNOS	ON BURNT RIVER	1682	333	-	990	47	77	40	1	8	0	1	50	1977	03/18/01
MIKE	HAWK	NE OMAHA	1576	300	-	826	33	0	47	1	6	5	0	59	1991	12/14/02
GERALD	WESTERBERG	KY LEXINGTON	1451	176	9	309	38	4	43	0	7	5	2	57	2004	10/12/04
MATT	SITTEL	FL TALLAHASSEE	1156	164	-	583	2	0	38	1	2	7	4	52	1992	05/13/00
BILL	NOLLMAN	CT FARMINGTON	1155	105	-	623	11	2	37	1	6	0	3	47	1997	01/08/05
DOUG	SMITH	TN PLEASANT VIEW	1007	192	-	365	1	0	41	0	4	11	2	58	1994	09/06/00
JOHN	TUDENHAM	MO JOPLIN	1004	187	-	349	2	0	45	1	3	2	0	51	1991	06/30/01
MATT	SITTEL	NE BELLEVUE	973	221	-	521	7	0	47	1	4	6	0	58	1999	12/31/04
SAUL	CHERNOS	ON TORONTO	947	179	-	192	1	0	37	1	3	0	0	41	1977	03/13/01
MIKE	HAWK	CO BOULDER	885	256	-	746	8	0	37	0	4	9	0	50	2001	12/14/02
ADAM	RIVERS	MA CHICOPEE	881	73	8	439	6	1	35	1	6	0	0	42	2001	01/10/05
RUSS	EDMUNDS	PA BLUE BELL	812	231	-	360	3	0	32	1	7	0	1	41	1988	12/29/04
MATT	SITTEL	TN KINGSPOET	775	98	-	424	3	0	36	1	6	2	4	46	1984	05/13/00
JIM	THOMAS	CO MILLIKIN	713	194	-	402	90	0	39	0	5	2	0	46	1997	04/09/02
ERIC	BUENEMAN	MO HAZELWOOD	704	101	1	203	3	0	45	1	3	5	0	54	1992	01/25/04
TIM	MCVEY	VA STAFFORD	570	82	2	177	0	0	30	1	3	1	1	36	1998	12/18/04
MATT	SITTEL	NC RALEIGH	456	86	-	180	0	1	22	1	1	3	0	27	1988	05/13/00
GUS	MANCUSO	MD HYATTS	401	74	-	82	0	0	27	1	0	0	0	28	1972	07/29/00
DAVID	WILLIAMS	OR REDMOND	295	26	1	82	9	3	16	0	4	1	0	21	2004	11/22/04
RUSS	EDMUNDS	ME JONESPORT	219	34	-	10	-	-	13	-	5	-	-	18	1993	08/03/01
MORRIS	SORENSEN	MB WINNIPEG	173	44	5	51	0	0	28	0	3	0	0	31	1999	01/08/05
JASON	KORALJA	NJ SURF CITY	54	9	-	0	0	0	22	1	1	0	0	24	2003	09/29/03
JOHN	VERVOORT	NY BROOKLYN	20	0	-	5	0	0	5	0	0	0	0	5	2002	06/16/02
JOHN	VERVOORT	KY MURRAY	9	0	-	5	0	0	3	0	0	0	0	3	2003	08/19/03

**COLUMN DEFINITIONS:**  
Total = Total number of FM stations logged from DXer's location.  
(All loggings should be received within 25 mile radius of this location to count.)  
Freq. changes count as a station, call letter changes DO NOT count.  
Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz.  
LPFM=Total LPFM/Translators Es = Total number of stations logged via E-skip .MS = Total by meteor scatter.  
Au = Total via Aurora. USA = Total number of states and the "\*" = Washington, DC.  
CN = Number of Canadian provinces logged. MX = Number of Mexican states logged.  
FO = Number of foreign countries, but not Canada or Mexico. TPU (Total number of political units) = Sum of USA CN MX and FO.  
YB = The year you began DXing from this location.  
AS OF DATE = Date of last update (Only those who sent updates in Y2K and beyond are listed)

Notes: Updates to your statistics for FM & TV Scoreboards are needed.  
This also includes any distance records, States Stats, & Personal Best Records. Please email me for a time saving template if needed.  
A current/complete database of existing records and their formats can be found at : <http://home.twcny.rr.com/nordquistsyrl/>  
WTFDA guidelines for counting stations can be found at: [http://fmarc.org/wtfda/records\\_standards.html](http://fmarc.org/wtfda/records_standards.html)

February 2005

More photos from Eric Bueneman of Hazelwood, MO:



WTTE-28 Columbus, OH  
 400 mi Tr seen 8/25/03



WLKY-32 Louisville, KY  
 250 mi Tr seen 11/16/03

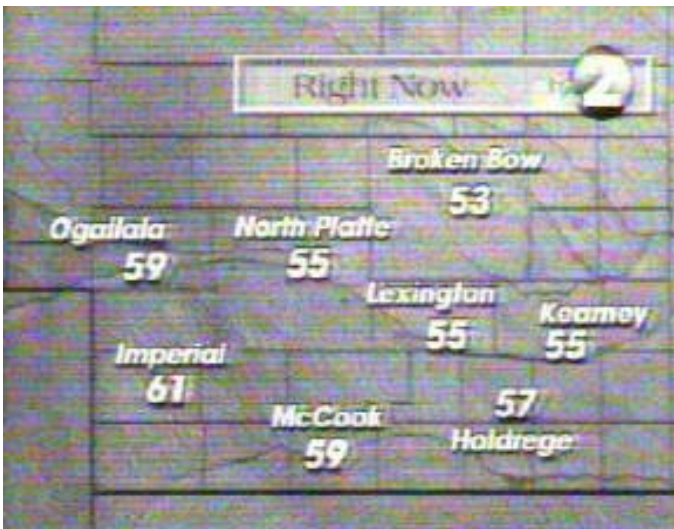


WBAK-38 Terre Haute, IN  
 170 mi Tr seen 11/16/03



KYOU-15 Ottumwa, IA  
 185 mi Tr seen 12/7/03

And now some more photos from Girard Westerberg of Lexington, KY:



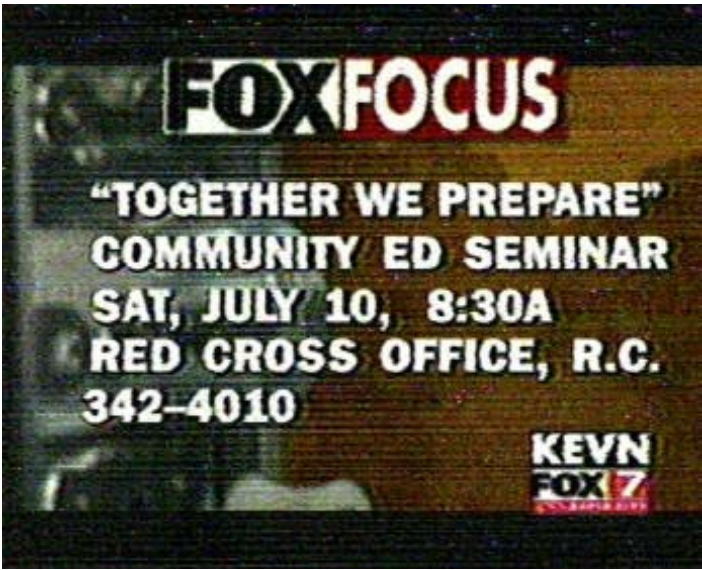
KNOP-2 North Platte, NE  
 892 mi Es seen 6/7/04



KTWO-2 Casper, WY  
 1193 mi Es seen 7/15/04



WWAY-3 Wilmington, NC  
440 mi Es seen 7/6/04



KIVV-5 Lead, SD  
1095 mi Es seen 7/7/04



KOCO-5 Oklahoma City, OK  
739 mi Es seen 7/9/04



WTMJ-DT-28 Milwaukee, WI  
396 mi Tr seen 5/29/04



WEWS-DT-15 Cleveland, OH  
276 mi Tr seen 9/21/04



WREG-DT-28 Memphis, TN  
355 mi Tr seen 10/22/04



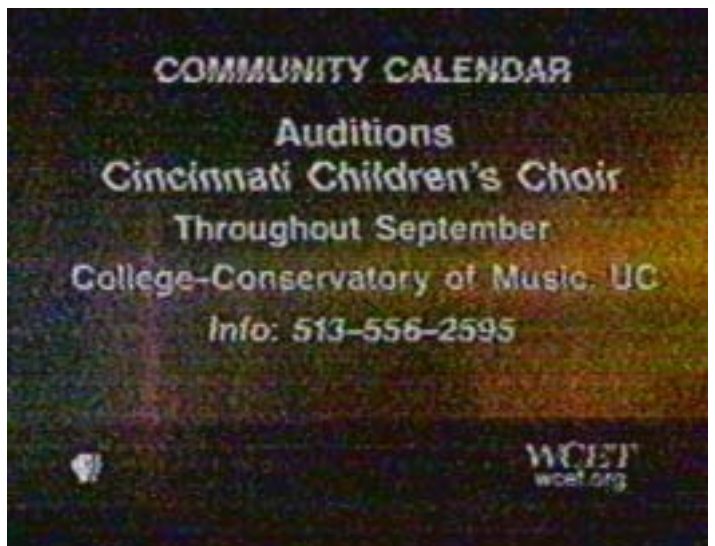
KCWE-29 Kansas City, MO  
225 mi Tr seen 5/3/03



KOAM-7 Pittsburg, KS  
260 mi Tr seen 7/20/03



KSNF-16 Joplin, MO  
250 mi Tr seen 7/20/03



WCET-48 Cincinnati, OH  
320 mi Tr seen 9/15/03



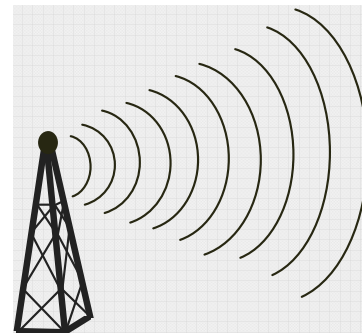
WFYI-20 Indianapolis, IN  
240 mi Tr seen 8/24/03

Want to see your photos in print? Send 'em in! Email or snail mail, it doesn't matter.

73's,

**JEFF**

# Northern FM DX



**Keith McGinnis**  
**6 Ritter Road, Hingham, MA 02043**  
**longwave@comcast.net 781-875-1944**

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

**EDITORS NOTE: PLEASE NOTE THAT ANY TYPEWRITTEN OR HANDWRITTEN REPORTS MIGHT BE DELAYED TILL A LATER ISSUE AS TIME PERMITS. ALSO PLEASE KEEP REPORTS AS RECENT AS POSSIBLE (THE LAST 3 MONTHS SHOULD WORK FINE). THANK YOU.**

**John Lentz - Muskego, WI (dxer@wi.rr.com)**

**Equipment: Luxman R-115, Onkyo T-4130 modified with 1 110khz and 2 150khz filters piggybacked. Radio Shack High-Gain FM antenna @ 28 feet.**

7/04/04 Es

2002 KTYL 93.1 Tyler TX  
 King Cheverolet in Tyler, no ID  
 2005 KKRW 93.7 Houston TX  
 Ric's Cafe in Downtown Houston, no ID  
 2015 KRBE 104.1 Houston TX  
 Contest w/ ID, Ads

1640 WYVN 92.7 Saugatuck MI "Born to be Wild" Ads, ID @ 1446 "The Van"  
 1656 WJZQ 92.9 Cadillac MI "The Breeze" Jazz mx, Top hr ID by YL.  
 1758 WVIX 93.5 Joliet IL SS mx, talk, Multi-ID in EE //WPIV & WIPV  
 1850 WBCT 93.7 Grand Rapids MI  
 Country mx, "B-93" top hr ID.  
 2120 WZZN 94.7 Chicago IL "The Zone" Rock mx, ID.

7/06/04 Es

1750 WKKZ 92.7 Dublin GA Ads, Rock mx, ID

10/13/04 Tropo

1747 WIFC 95.5 Wausau WI Rock mx, Call letters, Wx.  
 1624 WERV 95.9 Aurora IL "95-9 The River" Chicago Wx.  
 1628 WEFM 95.9 Michigan City IN Hosp ad, Fish Fry Ad, ID.

10/10/04 Tropo

1508 WFFF 90.5 Sturgeon Bay WI  
 ID by M, Religious Rock mx.  
 1601 WILL 90.9 Urbana IL  
 Heard ID fading w/ WDCB  
 1820 WJCH 91.9 Joliet IL Mx Prg, FRN  
 Net ID, "Great Hymns of Faith"  
 1957 WPWX 92.3 Hammond IL Rap mx,  
 Top hr ID.  
 2235 WYVN 92.7 Saugatuck MI  
 "Holland's Classic Hits; The Van"

10/22/04 Tropo

2200 WWYW 103.9 Dundee IL "Y-103"  
 Rock mx, Top hr ID.  
 2212 WVBO 103.9 Winneconne WI Oldies,  
 "VBO" "Valley's Best Oldies".

10/11/04 Tropo

2025 WBKY 95.9 Portage WI "Bucky Country" Country Mx.  
 2034 WOLX 94.9 Baraboo WI Ads, Nx, Wx, ID, Oldies mx.  
 2045 WMMA 93.9 Nekoosa WI Relevant Radio, Catholic programmin, ID.  
 2055 WIFC 95.5 Wausau WI Rap mx,  
 Top hr ID.  
 2101 WTLX 100.5 Columbus WI Mention Beaver Dam area  
 2127 KNWS 101.9 Waterloo WI Rel prgm, ID, Promo for "Insight for Living"  
 2158 WIVR 101.7 Kentland IN cw, TOH ID w/ multi cities "River Country"

10/24/04 Tropo

1257 WIAA 88.7 Interlochen MI Classical mx, Top hr. ID

10/28/04 Tropo

1655 KATF 92.9 Dubuque IA Ads, Wx, "Kat-FM", Top hr ID.

10/30/04 Tropo

0747 WVTI 96.1 Holland MI "I-96" Rock mx.

11/05/04 Format/Call Change

1859 WILV 100.3 Chicago IL Love mx, ID, Love Format

10/12/04 Tropo

0540 WBZU 105.1 Waunakee WI Breakfast Show, "The Buzz"

11/17/04 Tropo

2155	WHLA	90.3	LaCrosse WI Ideas Network promo, ID.	0757	WOOD	105.7	Grand Rapids MI "Star 105 pt 7" GR promo
2205	WMMA	93.9	Nekoosa WI Relevant Radio, ID	0958	WSRB	106.3	Lansing MI Top hr ID, "Soul 106.3" soul mx.
2206	WOZZ	93.5	New London WI Rock mx, ID	<u>11/22/04 Tropo</u>			
2215	WNCY	100.3	Neenah WI "Y-100" GB Valley promo, Oshkosh ad. Country mx	2153	WJZQ	92.9	Cadillac MI "The Breeze, 92.9", Jazz, Multi-ID at top hr.
<u>11/18/04 Tropo</u>				2240	WUGN	99.7	Midland MI "Family Life Radio", Christmas mx, ID
1817	WIXX	101.1	Green Bay WI Wx from NBC26, ID, Rock mx.	<u>11/23/04 Format/Call Change</u>			
<u>11/20/04 Tropo</u>				1641	WQBW	97.3	Milwaukee WI 80S & 90s mx, "The Brew", ID.

**Charles Gauthier, St-Lambert, QC (45,5125N 73,5061W) tvfmdx@yahoo.ca**  
**Equipment: Kenwood KT-6500 analog tuner (IF modified), Antennacraft 32 element VHF-UHF-FM antenna at 30' AG, CM9510A rotor, RG6 coax, RS attenuator.**

September 14 Tr

2100 CJBR1 89.5 Riviere-Du-Loup QC SRC Hockey 243  
2115 CIBM 107.1 Riviere-Du-Loup QC Relaying CKOI with 2 sec delay 243

September 15 Tr

0022 WXLO 104.5 Fitchburgh MA "XLO" 224  
0028 WRZE 96.3 Nantucket MA "96.3 the rose" 337  
0038 WRCH 100.5 New Britain CT "Lite 100.5" 265

September 24 Tr

0000 WUMX 102.5 Rome NY "The new mix 102.5" + calls 196  
0004 WJMJ 88.9 Hartford CT ABC News, Calls, wx, military music 261

**Harry Hayes - Wilkes-Barre, PA**  
**Equipment: Superadio II w/110khz filter, FM-6 in attic**

Oct. 9 Tr

2300 WGTY 107.7 Gettysburg PA thru a weak Tunkhannock, c/w MX

Oct 13 Tr

0840 WIKZ 95.1 Chambersburg PA v/strong

Oct 24 MS

0420 WNKT 107.5 Charleston SC "107.5 Cat Country" assumed

Nov. 9 Au

2210 WOMC 104.3 Detroit MI ID's and, "The Motor City station where you can win \$1000 for a song".

Nov. 26 Es

2325 KIBZ 104.1 Crete NE "104.1 The Blaze"

The auroral reception of Detroit on 11/9 provided some of the clearest audio ever heard via this mode of propagation.

**John Ebeling 9209 Vincent Ave. So. Bloomington MN 55431**  
**Equipment: Pioneer TX 9500 tuner w/ modified IF strip; Penny's MCS receiver also w/modified IF; Stereo Probe 9 @ 25 feet AGL; Vertical dipole underneath the Probe; Conrad RDS unit; rotor; several tape recorders & a SCA adaptor. A B/W older Zenith TV also is used to tip me off on Es openings.**

Oct. 22. Tr

2045 @K231BI 94.1 Duluth MN (Ex 106.3 xltr) 28 miles

Nov. 26. Es

1703 WEPC 88.5 Belton SC (RDS ID) 1009 mi  
1709 WJSP 88.1 Warm Springs GA (RDS ID) 1059  
1715 WCKW 92.3 Laplace LA 1173

1719 WQUE 93.3 New Orleans LA 'Q93' 1177  
1722 WYLD 98.5 New Orleans LA 'sunny' 1177  
1725 @KNBB 99.3 Ruston LA 'B99.3' 998  
1729 @KRVV 100.1 Bastrop LA 'the beat' 982  
1732 @WJNF 88.3 Marianna FL g 'the rock' 1186  
1737 WDGL 98.1 New Orleans LA 'eagle 98.1' 1177  
1739 @WZRR 99.5 Birmingham AL 'rock 99.5' 978  
1740 @WVVE 100.1 Panama City BchFL 'wave 100' 1213  
1742 WYNK 101.5 Baton Rouge LA



1745	@KQXL	106.5	New Roads LA 'Q106	2307	WJIS	88.1	Bradenton FL 'joy FM'
	1126				1452		
1814	@WMBW	88.9	Chattanooga TN(RDS	2320	WWWZ	93.3	Summerville SC 'z 93
	908			jamz'	1166		
1816	@WAEF	90.3	Cordele GA 'the cross'				
	1138						

Now for an odd reception: During the Es opening, a station on 89.1 was heard with an RDS call of "WLLJ". WLLJ is on 103.1 in Etowah, TN. So far, I have been unable to pin down the 89.1 station which was probably a xltr. No answer from WLLJ as I type this. Suppose an xltr picking up a wrong primary station due to the Es??. Makes for an interesting theory, anyway.

**Matthew Sittel, 15013 Eureux Circle, Bellevue, NE 68123**

**mcsittel@cox.net**      <http://members.cox.net/mcsittel/dx.htm>

**Equipment: Yamaha TX-900 tuner w/modified filters, Winegard PR-5030 VHF/FM antenna w/rotor at 32 feet, Radio Shack signal attenuator for overload problems.**

Aug 18 tr

0734	KRRY	100.9	Canton MO Y-101 242
0735	KMEM	100.5	Memphis MO calls 201

Sep 9 tr

0759	KASU	91.9	Jonesboro AR ID, in parking lot at work!	458
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Aug 19 tr

2159	WUIS	91.9	SpringfieldIL ID 353
2206	KRRY	100.9	Canton MO Y-10 1242
2359	WJCH	91.9	JolietIL ID 398
2359	WCBU	89.9	Peoria IL ID 334

Dec 29 Es

1826	WSCL	89.5	Salisbury MD calls
1089			
1840	WPER	89.9	Culpeper VA calls, contemp. Christian mx
		975	

The last part of 2004 was very quiet for reception... very little noted. The brief FM skip on Dec. 29 was a nice surprise. Log total through the end of 2004 is 973. 73s Matt.

**Rick Shaftan Sparta NJ Equipment: Realistic STA-2280, Conrad RDS Manager, Two APS 14s stagger stacked with two APS 13s. @ is new. First number at end is bearing, second is mileage**

12/29 Es

1724	????	88.1						Black Preacher. Either KAYT or WURC, neither needed
1725	WAFR	88.3	Tupelo	MS	RDS PI 553B	244	891	
1728	@WMAO	90.7	Greenville	MS	RDS PI 75EB MPB	244	1019	
1731	WQLJ	93.7	Oxford	MS	Presmd w/"all hits all the time"	246	943	
1736	KZHE	100.5	Stamps	AR	Classic Country KZ.	249	1166	
1736	WVHR	100.9	Huntingdon	TN	Classic Country Favorites All the Time,	249	824	
			Classic Hit Country	100.9				
1740	WMC	99.7	Memphis	TN	FM 100 Memphis	250	920	
1741	KRMD	101.1	Shreveport	LA	Country	249	1208	
1744	KTXO	101.7	Hope	AR	T-Line	251	1165	
1746	????	102.1						Discussion on the New Orleans Hornets
1746	@WLJC	102.1	Beattyville	KY	First Natl Bank of Jackson promo	247	538	
1746	@KBUD	102.1	Sardis	MS	Black Gospel	246	947	
1747	KKYR	102.5	Texarkana	TX	The best and most country on Kicker	102.5, a		
			Clear Channel Station	251	1187			
1750	WYPL	89.3	Memphis	TN	RDS PI 9599	251	925	
1859	KOSU	91.7	Stillwater	OK	RDS PI 36EO	262	1260	
1906	KSPI	93.7	Stillwater	OK	Oklahoma State football disc	262	1260	
1908	KJMK	93.9	Joplin	MO	Soft Rock Hits Magic	93.9	262	1093
1910	KOMA	92.5	Oklahoma City	OK	RDS PI 3630	261	1290	
1912	????	92.1			Money Management Program			
1914	KECO	96.5	Elk City	OK	RDS PI 1AD2	263	1398	
1916	KNMO	97.5	Nevada	MO	Your Brand of Country, Double K Country			
1921	????	97.5			"Hourly \$100 Cash Drawing", Country			
1922	@KUSN	98.1	Dearing	KS	US 98	264	1159	
1926	KOFM 1	03.1	Enid	OK	RDS PI 3586 PS From Broadcast Central in Enid, Hot Country	264	1289	
1928	@KIND	102.9	Independence	KS	Jayhawks, Neosho County, Hit	102.9	KIND	
1929	????	101.9			_____ 102, Nirvana			
1930	91.5	KSNS	Medicine Lodge	KS	Xtan Music Back to Back on New Song	91.5		
1935	????	94.9			White Noise fading in and out.			
1938	KCMO	94.9	Kansas City	MO	Kansas City Goodyear Dealer	270	1060	
1942	WIBW	94.5	Topeka	KS	94 Country	270	1138	
1944	KYEZ	93.7	Salina	KS	Randy Travis Y-93.7	271	1220	1951
1954	KCVT	92.5	Topeka	KS	Bott Radio Network	271	1129	

1957	KMXV	93.3	Kansas City	MO	Mix93.com	270	1057
2000	KJTY	88.1	Topeka	KS	Michael Youssef	271	1114

Total now 2707

**Saul Chernos - 57 Berkeley St. Toronto ON M5A 2W5 - 416-364-0725 schernos@sympatico.ca**

Aug 31 Tr (Toronto – Scarborough Bluffs with CHFI on reduced power)

0136	WHWK	98.1	Binghamton	NY	98.1 The Hawk, k, Conklin ad
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Sep 3 Tr (TO – Snowball site)

0616	CFWC	93.9	Brantford	ON	mono g-mx
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Sep 9 MS (Burnt River) (Delta Aurigids)

0850	KKPR	98.9	Kearney	NE	with the NE team in Lincoln
1305	CBWV	97.9	Brandon	MB	Wx: St Rose, Mt. Creary, Roblin & Dauphin

Sep 10 MS (BR)

0830	WLLK	93.9	Burnside	KY	RDS: WLLK upon checking
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Sep 11 Tr (BR – mostly east and south hill areas)

0200	WGNA	107.7	Albany	NY	Country 107.7 WGNA
0630	WPSU	90.1	Kane	PA	The Folk Show, then legal multi-ID
0649	WVPR	107.9	Burlington	VT	VPR, c, possibly mono
0655	WOKO	98.9	Burlington	VT	Vermont ad
0700	WAMC	90.3	Albany	NY	This is WAMC, it's 7 o'clock
0710	WPKQ	103.7	North Conway	VT	New Engl'd's Best k WOKQ, the big 97-5
0730	WSNN	99.3	Canton	NY	Heart of the north ctry, 99 Hits FM, pop
0735	WEZF	92.9	Burlington	VT	Ad: local car dealer
0736	WYUL	94.7	Chateauguay	NY	94-7 Hits FM, Hogansburg ad
0739	WYZY	106.3	Saranac Lake	NY	Home for best mix 80s, 90s today, Y-106.3
0756	WCKR	92.1	Hornell	NY	CK Country, k, local ad
0811	WLLG	99.3	Lowville	NY	The Moose
2051	WCOL	92.3	Columbus	OH	Continuous Country WCOL, k
2130	WWKC	104.9	Caldwell	OH	Kickin Ctry KC-105, Nascar, Cambridge ad
2147	WYBZ	107.3	Crooksville	OH	Y-107.3, GreenWave/Generals HS FB, Nascar
2222	WBZX	99.7	Columbus	OH	99.7 The Blitz, Rage Against the Machine
2255	WCVZ	92.7	S Zanesville	OH	The new 92.7 Joy FM, legal ID, g-mx
2310	WNBQ	92.3	Mansfield	PA	Boston Coll/Penn St NCAA FB, Wellsboro ad
2335	WEZF	92.9	Burlington	VT	Star 92.9, Backtrax USA
2350	CHIK	98.9	Quebec City	PQ	Energie, FF hip-hop, Quebec QTH

Sep 12 Tr (BR)

0020	WNCI	97.9	Columbus	OH	WNCI 97.9, party music, listener call
0045	WXMG	98.9	Uppr Arlingtn	OH	Central OH & Columbus ads, live remote
0100	WWSH	99.7	Pittsburgh	PA	Wish, soft rock, Butler Memorial Hospital
0105	CITE1	102.7	Sherbrooke	PQ	Rock Detente, //94.9, FF, pop
0145	CHIN1	91.9	Toronto	ON	Electronica/trance, very weak
0203	WNCO	101.3	Ashland	OH	Legal ID, After Midnight

Sep 13 Tr (TO - Bluffs / Rouge Park)

2302	WSLU	89.5	Canton	NY	NCPR in web address, stn list, wx
2336	WBDB	92.7	Ogdensburg	NY	The Border WBDB; Ogdensbg, Kingston...
2359	WYZY	106.3	Saranac Lake	NY	Best mix of the 80s 90s & today Y-106.3

Sep 14 Tr (TO – Bluffs / Rouge Park)

0016	WNCQ	102.9	Canton	NY	Q-Country-102.9, Massena Valley, k
0034	WCOV	93.7	Clyde	NY	FLN g-mx // 88.3 WCOU
0055	WDWN	89.1	Auburn	NY	Download Show ends, Win 89 FM, legal ID,
0139	WGIX	95.3	Gouverneur	NY	Cool 95.3, o, Watertown, Mike Daniels DJ
0200	WTOJ	103.1	Carthage	NY	Magic 103.1, Dave Till Dawn
0210	WVLF	96.1	Norwood	NY	The Valley 96.1, Mariah Carey
0214	WRCD	101.5	Canton	NY	Ott/Seaway V'y, Classic Hits 101-5 The Fox
0218	CKTF	104.1	Gatineau	PQ	Radio Energy / Energie bilingual ID, pop
0256	WLLG	99.3	Lowville	NY	Biggest animal in the woods 99.3/101.3, k
0350	CJTN	107.1	Trenton	ON	The New Light 107, Quinte's Light Rock
0400	WVPR	107.9	Burlington	VT	VTPubR stns: 107.9 89.5 88.7 94.7 88.5, c
0410	WIII	99.9	Cortland	NY	Greatest rock of all time lives here I-100

0420	WYUL	94.7	Chateaugay	NY	The West Islids's #1 hit mx ch 94-7 Hits FM
0452	CFFF	92.7	Peterborough	ON	Trent Radio t-shirts, talk re xmtr move

Sep 20 Tr (TO – Bluffs)

2338	WPDX	104.9	Clarksburg	WV	WPDX shouted out, trad k, nat'l ads
2341	WEGW	107.5	Wheeling	WV	WEGW Wheeling; Stn w/most classic rock

Sep 21 Tr (TO – Bluffs)

0008	WKYE	95.5	Johnstown	PA	Key 95, Dave Wingert synd DJ, pop
0038	WVAQ	101.9	Morgantown	WV	102 WVAQ, dance mx
0100	WBRR	100.1	Bradford	PA	Legal ID, pop
0156	WWSH	99.7	Pittsburgh	PA	Wish 99.7, Ad: Pittsburgh Help wanted.com
0158	WPGB	104.7	Pittsburgh	PA	Local ad, ID, ABC News
0205	WBRX	94.3	Patton	PA	Q94 the Classic Rock Station, calls, Doors
0233	WWGY	95.1	Grove City	PA	All new Froggy 95, Lawrence Cty/Newcastle
0238	WOMP	100.5	Bellaire	OH	Womp-FM, All Night Café (urban dance mx)
0242	WORD	101.5	Pittsburgh	PA	g-t, later word.com, calls
0251	WDSY	107.9	Pittsburgh	PA	After Midnite, k
0302	WFBY	102.3	Weston	WV	Weston-Clarksburg legal ID, Dire Straits
0315	WCLG	100.1	Morgantown	WV	CLG rocks / The Rock Station; p
0330	WOXX	99.3	Franklin	PA	The All New Kiss FM, 99.3/104.5
0332	WKNB	104.3	Clarendon	PA	Kinzua Country 104, k
0337	WCBA	98.7	Corning	NY	Your kind of music is on WCBA FM, m
0403	WHOT	101.1	Youngstown	OH	Greenville/Warren PA ads, pop
0422	WDBS	97.1	Sutton	WV	Chrilstn to Clarksbg WV's new boss 97 FM, k
1901	WKYE	95.5	Cleveland	OH	ID, s, Meet the Browns promo, 216 AC ads
2000	WUKL	105.5	Bethlehem	WV	The coolest oldies are here WUKL B-Wheelg
2009	WDDH	97.5	St. Mary's	PA	Pittsburgh Pirates baseball (vs Cubs)
2010	WOVK	98.7	Wheeling	WV	Jingle: Valley's country leader 98.7 WOVK
2020	WPKL	99.3	Uniontown	PA	WPKL is Oldies R the Pickle, Collinsville
2035	WNBQ	92.3	Mansfield	PA	The best mx of the 80s 90s...the Buzz
2038	WCCR	92.7	Clarion	PA	ID (mixing with WENY Elmira NY)
2116	WSIP	98.9	Paintsville	KY	ID, k
2229	WDBA	107.3	DuBois	PA	The Christian Stn WDBA, full ID

Sep 22 Tr (TO – Bluffs)

0118	WXDX	105.9	Pittsburgh	PA	The X, Pittsburgh Pet Expo ad, p
0120	WMKX	105.5	Brookville	PA	Mega-Rock, Rush & Aerosmith
0124	WKSB	102.7	Williamsport	PA	Kiss FM, Rod Stewart

Sep 23 Tr (TO – Snowball)

2130	CBON21	104.9	Gogama	ON	FF woman talking //860
2204	CJKL	101.5	Kirkland Lake	ON	Calls, weather, Trooper mx
2225	WMRN	106.9	Marion	OH	Buckeye Country, Marion QTH, k
2237	WCVO	104.9	Gahanna	OH	1049TheRiver.com, g-t,
2253	WKKJ	94.3	Chillicothe	OH	94 Country WKKJ, Scioto Valley
2255	WHOK	95.5	Lancaster	OH	K-95.5, Buckeye Outdoors ad, Columbus
2300	WLRD	96.9	Willard	OH	Stn for solid g-mx 96-9 WLRD, SRN News
2310	WVNO	106.1	Mansfield	OH	Delilah on Mix 106 WVNO
2320	WNIR	100.1	Kent	OH	The Spirit of Akron WNIR, Jim Bohannon
2332	WSIP	98.9	Paintsville	KY	WSIP-FM Country 98-9, k
2337	WJOJ	89.7	Harrisville	MI	Smile.FM, donation plea
2350	WBZX	99.7	Columbus	OH	New Rock 99-7 The Blitz, Lincoln Park

Sep 24 Tr (TO – Snowball)

0006	WCKY	103.7	Tiffin	OH	Buckeye Country 103-7 WCKY, k
0009	WAKS	96.5	Akron	OH	Kiss FM, KissCleveland.com, urban/pop
0013	WTWR	98.3	Luna Pier	MI	Tower 98, urban
0036	WKFM	96.1	Huron	OH	Wkfm.com, Kelly and Crew show mentioned
0037	WXKR	94.5	Port Clinton	OH	Toledo's Classic Rock Stn 94-5 XKR
0044	WMJK	100.9	Clyde	OH	100.9 The Coast, ClassicRk, ment 1450
			WLEC		
0055	WRVF	101.5	Toledo	OH	419 AC ad, nw OH QTH
0131	WWKC	104.9	Caldwell	OH	Becky & Bill on KC-105
0140	CHGO	104.3	Val d'Or	PQ	Go-FM, pop-rock, FF

Sep 25 Tr (Oakville)

1552	WKYE	95.5	Johnstown	PA	Johnstown, Somerset ads
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Sep 25 Tr (Mississauga – Erin Mills/QEW)

2330	LP	104.9	Oakville	ON	5 Drive-In cinema (9th Line)
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Sep 28 MS (BR)

1307 WBAM 98.9 Montgomery AL It's Sara Evans at Bama Country

Sep 29 Tr (BR)

0047 WMUS 106.9 Muskegon MI It's After Midnite on 107-MUS  
0925 WBCM 93.5 Boyne City MI Petoskey ad, k; Also Petskey 98.9, 106.7

Sep 29 MS (BR)

0810 KGRA 98.9 Jefferson IA country...central Iowa  
1150 KDLO 96.9 Watertown SD RDS: KDLO upon checking

Sep 30 MS (BR)

0721 WVCY 98.9 Tomah WI Good morning, it's our VC

Oct 11 Tr/GW (Meaford and Wiarton areas)

1200 unID 90.3 ON Relaying 100.5 North Bay

Oct 11 Tr (Tobermory – 5 miles south, Huron side)

2030 WNCD 93.3 Youngstown OH RDS: CD-93.3/Puddle/of Mudd/Control  
2035 WZPT 100.7 New Kensington PA Star 100.7  
2040 WQKT 104.5 Wooster OH RDS: WQKT-FM, Cleve Browns mention  
2042 WRQK 106.9 Canton OH Canton/Akron QTH, area ads  
2044 WENZ 107.9 Cleveland OH Z-107-9 Cleve's blazin hip-hop  
2112 WWWS 94.5 Pittsburgh PA 3WS, o  
2126 WKRW 89.3 Wooster OH ID list includes WKSU Kent, c  
2128 WWGY 95.1 Grove City PA Gretchen Wilson on Froggy 95  
2129 WPGB 104.7 Pittsburgh PA Michael Savage  
2134 WCDK 106.3 Cadiz OH 106-3 The River; Bellaire & Jefferson Cty  
2135 WMXG 106.3 Stephenson MI Mix 106 forecast, downtown Escanaba  
2147 WOMP 100.5 Bellaire OH Womp FM Birthday Wheel, urban  
2157 WAMO 106.7 Beaver Falls PA 106.7 Whammo...WAMO, hip-hop  
2200 WEGW 107.5 Wheeling WV Eagle 107; RDS:  
2212 WDVE 102.5 Pittsburgh PA Your Steelers' Flagship 102.5 WDVE  
2215 WOGF 104.3 E. Liverpool OH Froggy 104, k  
2219 WZAK 93.1 Cleveland OH Calls, Mention Tom Joyner morning show, s  
2236 WYFM 102.9 Sharon PA The Classic Rock Station Y-103  
2242 WQIO 93.7 Mount Vernon OH 93Q, Ohio QTH  
2250 C... 91.5 ?? ?????? CBC French mono //96.5

Oct 12 Tr (Tobermory – 5 miles south, Huron side)

0743 WDSJ 106.5 Greenville OH Smooth Jazz 106.5  
0715 WQED 89.3 Pittsburgh PA Calls, c  
0752 WMEE 97.3 Fort Wayne IN Home Builders' Association of Fort Wayne  
1950 WMRN 106.9 Marion OH Buckeye Country, Marion QTH (in car), k  
2050 WRUW 91.1 Cleveland OH Calls (in car)  
2110 WCKY 103.7 Tiffin OH Buckeye Country, NW Ohio QTH, k  
2121 WBGV 92.5 Marlette MI The Best Country Around, calls  
2136 WVKS 92.5 Toledo OH Toledo ads

Oct 20 Tr (Ontario side of Peace Bridge)

1241 C... 106.5 Owen Sound ON Mix 106, 93.7/96.1/106.5 off briefly)

Nov 4 Tr (TO – Bluffs)

0104 W246AP 97.1 Dansville NY //99.7 WZXV Palmyra w/g-t (10 watts)

Nov 17 MS (BR) (Leonids)

2112 WWTNt 99.7 Manchester TN TENT Savage 888-38303733  
KTTR St. James MO

Nov 18 MS (BR) (Leonids)

1118 WBAM 98.9 Montgomery AL Calls, Bama Country, ment Shania Twain  
1930 WCYI 93.9 Lewiston ME ...in Brunswick, Auburn...

Nov 18 Tr (BR)

1020	WMRI	106.9	Marion	OH	It's Leah on Buckeye Country 107
1034	WBNI	89.1	Fort Wayne	IN	Your 50000w home fr n and jazz WBNI Ft. W

Nov 19 MS (BR) (Leonids)

0800	KKOW	96.9	Pittsburgh	KS	RDS upon waking: THE KOW
------	------	------	------------	----	--------------------------

Dec 8 MS (BR) (Phoenicids)

1030	WTCD	96.9	Indianola	MS	RDS upon waking: SUPRTALK (prev Es)
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Dec 13 MS (BR) (Geminids)

0010	WQDR	94.7	Raleigh	NC	QDR (prev Es)
0832	KSOU	93.9	Sioux Center	IA	KSOU sports
0854	WLLK	93.9	Burnside	KY	RDS: WLLK noted upon checking
0858	WLLK	93.9	Burnside	KY	RDS: WLLK reappears while checking radios
1010	KRVI	95.1	Detroit Lakes	MN	Xmas on the River (//web slogan, prev Es)
1011	KPLO	94.5	Reliance	SD	k, RDS: KPLO 94, (prev Es)
1025	KEGK	106.9	Wahpeton	ND	Holiday Inn NY Eve in Fargo (prev Es)
1037	KROC	106.9	Rochester	MN	Jewellery from Rochester (prev Tr, Au)
2119	KDLO	96.9	Watertown	SD	Country ... KDLO
2122	KYNU	98.3	Carrington	ND	Jamestown ad (RDS tries to light)
2133	unID	97.9			Our Century Ways (Franklin&Clayton Homes)
2135	WLLK	93.9	Burnside	KY	RDS: WLLK while checking another radio
2152	WMRI	106.9	Marion	IN	Kyle's Paints & Floors in Marion (prev Tr)
2300	WXBQ	96.9	Bristol	TN	96.9 WXBQ
2334	WMQT	107.7	Ishpeming	MI	Flurries esp'y east of Marquette (prev Tr)
2349	W...	102.9			At OH Liquor Agencys one-stop shpg

Dec 14 MS (BR) (Geminids)

0018	KBEQ	104.3	Kansas City	MO	Ad: Kansas Speedway (prev Es)
0020		104.3			Yr list'g to Xtian Hits Continuous Country
0105	WLLK	93.9	Burnside	KY	RDS: WLLK noted on checking
0136	KMJK	107.3	Lexington	MO	The only station for classic soul
0902	CBAF5	92.3	Halifax	NS	FF talk (serious in tone)
0921		106.9			Regency Homes spec prgm Wed Dec 29 7-8:30pm
0948	KKOW	96.9	Pittsburgh	KS	Hot Country K...
1020	KCTY	106.9	Plattsmouth	NE	Omaha's best new talent contest
1030	WLLK	93.9	Burnside	KY	RDS: WLLK surfaces again!
2001		106.9			Next, cellist YoYoMa performs Lorin Maazel x & the Nat'l Orchestra of France
2017	WYMY	96.9	Goldsboro	NC	La Ley

Dec 15 MS (BR) (Geminids)

0001	CB..	97.9			Gay marriage(//CBC news, either NB or MB)
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Dec 19 MS (BR) (Coma Berenicids)

0835	WTCD	96.9	Indianola	MS	RDS upon waking: SUPRTALK
------	------	------	-----------	----	---------------------------

Overall a great fall for meteor scatter, so-so for tropo. I never had a 500+ mile opening in 2004. Missed the late December Es as was not at Burnt River.

73s, Saul

**Russ Edmunds Blue Bell, PA ( 360' ASL ) [15 mi NNW of Philadelphia]**

**40:08:45N; 75:16:04W, Grid FN20ID [wb2bjh@yahoo.com](mailto:wb2bjh@yahoo.com) FM: Yamaha T-80 & APS9B @15'**

18xx WQPR 88.7Muscle Shoals AL RDS PI : A87F  
- New, 775 mi.

11/24

0300 WPYA 93.7 Chesapeake VA Various Rock  
"Bob FM" and "PYA" semi-ID's during WSTW-DE's  
maintenance-induced silence. New.

12/15 Ms

1922 WLPT 88.3 Jesup GA RDS PI: 734D - another  
frequent Ms visitor

12/10 Ms

(overnight)WAFR 88.3Tupelo MS RDS PI: 553B -  
becoming a regular Ms visitor.

12/29 Es

1733 KABF 88.3 Little Rock AR Promo w/ phone #  
1738 KCXY 95.3 East Camden AR ID, promo, RDS  
PI 17B6  
1744 KLRE 90.5 Little Rock AR Classical, AR-  
related anncmnts. New, 1009mi

12/13 Ms

1749 KASU 91.9 Jonesboro AR ID, promo  
 1900 KBJQ 88.3 Bronson KS AFR promo, ID.  
 New, 1068 mi.  
 1905 KBDD 91.9 Winfield KS Swaggart program,  
 many stations mentioned, incl. this, verified via website.  
 New, 1180 mi.  
 1912 KDKD 95.3 Clinton MO Promo, ID

1912 KINZ 95.3 Humboldt KS Promo, Fleetwood  
 Mac song  
 1915 KCVW 94.3 Kingman KS Religion, local ment  
 1917 KHMY 93.1 Pratt KS Local ads: Apollo  
 Engraving, 28 S. Main, and Laird-Knorr Motors in  
 Hutchinson. RDS PI 23CC. New, 1242 mi.  
 1918 KMOE 92.1 Butler MO ID, C&W. New,  
 1026 mi.

**David Williams, Redmond OR - beansdad@bendcable.com**  
**Denon TU1500RD w/RDS Decoder FM-6 at 15' AGL**

**Meteor Scatter Loggings by Frequency and Distance. Date is date first logged. Notes: (E) is Es Relog, (A) is Au Relog, (M) is Ms Relog, (T) is Tr Relog; all others new. (R) indicates RDS also received. (#) is # of days heard in December and January.**

91.7 - Open Frequency

KEMC	Billings	MT	622	12/13/2004	(R)(3)
------	----------	----	-----	------------	--------

92.1 - Open Frequency

KWVR	Enterprise	OR	207	1/8/2005	(1)
CJAY	Calgary	AB	572	12/9/2004	(1)
KFRZ	Green River	WY	623	12/9/2004	(R)(10+)
CHMX	Regina,	SK	890	12/9/2004	(M)(5)
KJMN	Castle Rock	CO	906	12/13/2004	(E)(7)
KZRX	Dickinson	ND	907	12/28/2004	(2)
KFMA	Green Valley	AZ	1007	12/14/2004	(M)(2)
CITI	Winnipeg	MB	1193	12/12/2004	(1)
KREP	Belleville	KS	1240	12/22/2004	(1)
KRUE(t)	Waseca	MN	1368	1/15/2005	(1 - Slogan ID only)
KFXI	Marlow	OK	1385	12/22/2004	(1)

92.9 - Through KZZU Spokane/KDBL Yakima

KBLQ	Logan	UT	495	12/22/2004	(2)
KLFM	Great Falls	MT	528	1/9/2005	(1)
KLGT	Buffalo	WY	703	12/14/2004	(2)
KAFF	Flagstaff	AZ	813	12/14/2004	(2)
KRWN	Farmington	NM	849	1/3/2005	(2)
CFQC	Saskatoon	SK	863	12/13/2004	(E)(1)
KWMT	Tucson	AZ	983	12/14/2004	(2)
KYYY	Bismarck	ND	996	12/12/2004	(R)(5)
KKXL	Grand Forks	ND	1178	12/14/2004	(1)
KSDR	Watertown	SD	1183	12/14/2004	(E)(2)
KTGL	Beatrice	NE	1263	12/14/2004	(E)(1)
KBEZ	Tulsa	OK	1423	12/31/2004	(E)(1)

93.3 - Through KRKL Walla Walla

KUBL	SLC	UT	514	12/30/2004	(2)
KTCL	Ft Collins	CO	875	1/3/2005	(R)(3)
KLMR	Lamar	CO	1049	1/2/2005	(M)(2)

93.5 - Open Frequency

KLAN(t)	Glasgow	MT	744	1/15/2005	(1 - Local ad, unsure)
CJEL	Winkler	MB	1100	12/16/2005	(2)

96.9 - Through KKGL Nampa

KEZE	Spokane	WA	311	1/9/2005	(T)(1)
KSEG	Sacramento	CA	381	1/9/2005	(1)
KBCR	Stmbt Spgs	CO	771	1/3/2005	(1)
KAML	Gillette	WY	774	1/12/2005	(2)
KMXP	Phoenix	AZ	891	1/1/2005	(3)
CBK	Regina	SK	892	1/1/2005	(10+)
KDLO	Watertown	SD	1155	1/1/2005	(R)(3)
KMML	Amarillo	TX	1188	1/3/2005	(E)(1)
KIAQ	Clarion	IA	1350	12/28/2004	(2)

98.9 - Through KKZX Spokane

KAAC	Great Falls	MT	527	12/13/2004	(2)
CIZZ	Red Deer	AB	680	12/14/2004	(1)
KHWY	Essex	CA	716	12/13/2004	(R)(3)
XHMORE	Tijuana	BCN	808	12/13/2004	(2)
CIZL	Regina	SK	891	12/31/2004	(1)
KKMG	Pueblo	CO	918	12/13/2004	(E)(1)
KKPR	Kearney	NE	1157	12/14/2004	(M)(3)

99.9 - Local KRKT Off

KONY	St. George	UT	643	1/18/2005	(R)(1)
KEKB	Fruita	CO	728	1/18/2005	(1)
KKIT	Angel Fire	NM	991	1/18/2005	(1)

100.1 - Open Frequency

KTHX	Dayton	NV	346	1/16/2005	(1)
KZOQ	Missoula	MT	391	12/13/2004	(A)(T)(5)
CBRL	Lethbridge	AB	524	12/13/2004	(A)(10+)
KHWZ	Ludlow	CA	702	12/11/2004	(2)
KYOD	Glendo	WY	801	12/13/2004	(4)
KATQ	Plentywood	MT	849	12/8/2004	(R)(4)
KBFZ	Kimball	NE	914	12/13/2004	(M)(3)
KOLV	Olivia	MN	1268	1/16/2005	(1)
KDWD	Emmetsburg	IA	1308	12/1/2004	(2)

101.3 - KGDN Pasco Nulled

KIKC	Forsyth	MT	728	12/30/2004	(1)
KOLT	Bridgeport	NE	886	12/30/2004	(1)

102.5 - Open Frequency

KIBR	Sandpoint	ID	360	12/13/2004	(T)(1)
KMSO	Missoula	MT	391	12/13/2004	(1)
KSNI	Santa Maria	CA	644	12/13/2004	(1)
KTRR	Loveland	CO	864	12/13/2004	(R)(4)
KNIX	Phoenix	AZ	891	12/13/2004	(1)
KZSD	Martin	SD	974	1/9/2005	(2)
KIOT	Los Lunas	NM	991	12/14/2004	(1)
KKCI	Goodland	KS	1056	1/13/2005	(1)
KDVL	Devils Lake	ND	1091	12/13/2004	(R)(2)
KZII	Lubbock	TX	1264	1/13/2005	(1)
KQIC	Willmar	MN	1275	1/10/2005	(1)

107.3 - Open Frequency

KFXR	Chinle	AZ	801	1/12/2005	(1)
KSLT	Spearfish	SD	853	1/11/2005	(1)
KKAW	Albin	WY	880	12/14/2004	(2)

Notable Au on 12/13, 12/14, 1/17: CBRL and KZOQ 100.1

Es Loggings:

12/22/2004 - 1630-1645 PT

KTGL	92.9	Beatrice	NE	1263
KKOT	93.5	Columbus	NE	1196

12/28/2004 - 0325 PT

KMFY	96.9	Grand Rapids	MN	1345
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1/5/2005 - 0315-0325 PT

KLMR	93.3	Lamar	CO	1049
KKNG	93.3	Newcastle	OK	1388

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**The WTFDA AM DX list...**send to WTFDA-AM-subscribe @topica.com 69 subs

DX Alerts contain real time, concise alerts of E skip and widespread tropo. No discussion is permitted

## 6 Meter/2 Meter Amateur DX



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Welcome to a new addition to the VUD – a column dedicated to VHF Amateur DX, with an emphasis on the 50 Mhz 6 meter band.

While there has been much discussion on the e-mail group lately about a possible addition like this, there may be some in the Club who are not familiar with 6 meter DX, or how it might pertain to the pursuit of TV/FM DX. For that reason, the next few months will contain some basic information on the subject – a primer, if you will – to lay the foundation for what will hopefully be a welcome new feature of the newsletter.

### **6 Meters for the TV/FM DXer, Part I.**

#### I. Let's Start With the Basics.

The 6 meter band is a large chunk of spectrum, located from 50 Mhz to 54 Mhz, dedicated to the Amateur Radio Service. It is open for use exclusively by those holding a Technician Class or higher Amateur Radio license. On this band, lying just below TV Channel 2, is an interesting mix of transmission modes, users, and propagation.

Many hams enjoy or are even obsessed with this band (I think you can include me here), while some never use it at all. 6 meter's lure is the challenge. Unlike the ham bands below 30 Mhz that may be open everyday, 6 meters is much more fickle. Days or even weeks might pass before any significant opening breaks the near-constant static that most often greets 6 meter regulars. Yet, when the big opening does come, 6 meters may be packed with dozens of signals side by side from the bottom of the band up.

The good news for the TV DXer is that he has a great advantage when it comes to the 6 meter learning curve. Since the band is just below TV broadcast, an experienced TV DXer will already have a decent feel for how the band works. As goes channel 2, so goes 6 meters. But, as we will see, the opposite is not always true.

#### II. How is 6m Like TV DX?

Since 6 meters is so close to low-band VHF TV Broadcast, every phenomenon that affects Channel 2 also affects 6m. The vast majority of long-distant contacts on 6 meters are made via Sporadic E ( $E_s$ ). Anytime that Channel 2 is hopping, one can be sure that something is happening on 6 meters.

$E_s$  on 6 meters brings pretty much what a seasoned TV DXer might expect – loud signals most often from distances of 500 to 1400 miles. Like low-band TV, the signals on 6 meters can be quite stable indeed with long periods of easy contacts, punctuated by the deep fades we all know from our TV  $E_s$ . The signals can be so strong, in fact, that power levels low enough to still surprise me after years on the band can bring an easy contact. Many times I have made those contacts (Hams call these “armchair contacts”) with as little as 100mw. Yet, when the band is not open 1000 watts is of little help.

6 meter's proximity to Channel 2 makes it very useful in alerting TV DXers to possible openings on TV. As the Maximum Useable Frequency (“MUF”) rises, it passes through 6 meters before impacting TV. Signals heard on this band, then, may pop up just before TV opens, making it a useful tool for those awaiting channel 2  $E_s$ .



Use of meteor scatter is becoming more popular on 6 meters. Hard Core users of the “rocks” are using high-speed computer language to make maximum use of the short bursts that pop up everyday. Operators might make schedules to attempt these contacts.

Tropospheric ducting does occur on 6 meters, as it does on TV. But, like Channel 2, 6 meters is not prone to huge tropo contacts like the higher frequencies might be. Typically, VHF DXers will not spend much time chasing tropo on 6; they’ll concentrate on 2 meters or higher for long-haul tropo contacts.

Like TV/FM, aurora occasionally impacts 6 meters. While most operators use CW on aurora, occasional contacts can be made via voice.

### III. How is 6 meter DX Different From TV DX?

6 meters is often called “The Magic Band” by those familiar with it. Once you have spent time on six, you soon learn why... it’s a band on which almost anything can happen!

#### A. Double-Hop

While  $E_s$  is 6 meter’s main attraction, what one gets on six via E is a bit less limited than on TV. Double-hop E, the holy grail of the TV DXer, is not uncommon on 6 meters. Guys like me, situated in the South, can expect to work the entire Continental United States with a little help from double-hop. It is about 2000 miles from my home in metro-Memphis to Seattle, a seemingly impossible distance for TV DX, except on the rarest of occasions. On six, however, I can expect to hear Seattle, or Portland, or Vancouver a few times a year. California, a state no less than 1400 miles from here, comes in fairly often. There are a few operators in Los Angeles that I have even come to know by their first names.

The possibility of double-hop E gives the 6m aficionado opportunities for countries not ordinarily available for the TV DXer. From my home, the Caribbean is workable perhaps a few times a year on the band, allowing contacts to places like Puerto Rico, Colombia, and the Dominican Republic. Countries without high-power low-band VHF TV are also sometimes available. On very rare occasions, DXers in the middle part of the country might even hear Europe via triple-hop or quadruple-hop  $E_s$ .

The possibility of these multi-hop contacts gives the seasoned TV DXer much to think about. If 6 meter signals double-hop, should not Channel 2 do so too? The answer is both yes and no. Although big openings can bring many signals and interference, the path across the country is simply less crowded on 6 meters than on Channel 2. 6 meters is a big band, so the frequency on which a double-hop contact is being made might be clear enough of the stronger single-hop contacts to be heard clearly. This is not the case on TV. But, a strong double-hop opening on 6 meters may HINT of the possibility on TV. I specifically remember a strong 6 meter opening from Memphis to Los Angeles a couple of years back in which Guy Westerberg in Kentucky snagged KCBS-2. So, again, 6 meters hints of the possibilities on TV.

#### B. F2 on 6 meters

Ah, F2... the much talked about, but rarely seen propagation mode on TV. We have all heard of and read about those rare, distorted, flickering images on Channel 2 from two thousand or more miles away brought about by that maybe once-in-a-lifetime F2 opening. A lucky few saw intercontinental F2 in December, 2001, and even fewer caught a glimpse in October, 2003. Yet, those of us on the 6 meter band know the elusive F2 opening well.

There are only a few megahertz between the top of the 6 meter band and Channel 2 video, but that seemingly small gap makes a huge difference. MUF on F2 is much less agile than with  $E_s$ . To move even a few megahertz can be tough. But, conversely, the fact that 6 meters is below Channel 2 makes F2 on six more common.

The Fall and Winter of 2001/2002, just a few months after I got my ham license, were very active for 6m F2. Many mornings that Fall and Winter, I was treated to sometimes very strong signals from Europe, the Caribbean, and other exotic locales. Afternoons would often bring in Alaska for sometimes a couple of hours. It was fun; but I had no idea how great I had it. Countries I have little hope of getting via  $E_s$  were so strong, I could probably have worked them with a coat

hanger for an antenna. But, what a difference a few years make. Now, with the Solar Cycle approaching bottom, F2 is almost unheard of on 6 meters. Something very unusual – like a big solar storm – would be needed to wake up that higher altitude ionospheric layer for the Magic Band.

As with E<sub>s</sub>, 6 meters can provide an early warning of possible TV F2. Particularly intense openings may imply something might be afoot a few Mhz up. Similarly, strong 6 meter F2 can help explain unidentified signals seen on TV. WTFDA members may remember unidentified F2 seen in Shreveport and South Texas in 2003. While the DXers were never able to get quite enough identifiable information to positively log, I remain convinced it was Hawaii – a nearly 4000 mile reception -- those lucky two were getting as an historic 6 meter F2 opening to the islands was well underway at the time. Many 6 meter operators – including me – got their only 50 Mhz contacts into Hawaii thanks to that surprise opening.

### C. Transmission Modes.

The vast majority of activity on the Magic Band is Single Sideband voice (SSB) and CW (Continuous Wave Morse Code). Look for most of this toward the bottom of the band. 50.00 to 50.1 is exclusively CW, while most domestic SSB is found from 50.125 and up. Exotic DX is often centered in “the DX window” between 50.1 and 50.125.

There is some limited FM activity on 6 meters. While FM is significantly less efficient than SSB, its ease of operation and better sound quality attract some users. Most FM activity will be around 52.525 during band openings. I particularly like FM DX while in my car; I have found operating SSB to be a bit distracting in traffic. Still, with just my FM-only 50 watt mobile (I use a Yaesu FT-8900 in my car), I have made many contacts in the 400 to 1200 mile range.

There is a smattering of FM repeaters on six. While repeaters on 6 meters are significantly less common than on 2 meters or even 440 Mhz, many towns can boast a repeater on six. Here is Memphis, for instance, we have a very nice machine on 53.01. We have a local information net on Wednesdays, and recently had a check-in from Canada during a sporadic E opening. On 6 meters, you never know what you might hear!

AM attracts a small but loyal following on 6 meters, too. During intense openings, look for signals around 50.400. I have chatted with some very active AM operators in North Carolina, and just had a ball doing it.

### D. Grid Squares.

Many 6 meter operators engage in an activity unique to VHF DX – Grid Square hunting. The *Maidenhead Locator System* divides up the entire world into many “squares,” measured by one degree of latitude and two degrees of longitude. These squares are designated by a two-letter, two-number identifier (I live in EM55, for example). Various awards are available for working squares, most notably the American Radio Relay League’s VUCC (VHF/UHF Century Club) for working and confirming by QSL 100 or more grids.

The United States alone has literally hundreds of targets for the active 6 meter operator. Even the most seasoned 6 meter fan will always have a rare grid or two that he still needs. Fortunately, other 6 meter operators will often operate portable in these rare, sparsely populated grids so folks like me can finally get them in the log.

There are many grid maps available on the Internet. Perhaps the best is a full color downloadable map made available by Icom, a manufacturer of ham gear. Go to <http://www.icomamerica.com/downloads/usgridsq.pdf>

## End of Part I

In the coming months, we’ll discuss other important issues about 6 meters and VHF Ham. Topics will include how to get started, equipment questions, the art and science of QSLing, and the like.

Of course, we will also be looking for your loggings. Please feel free to send them anytime to the address listed above, or my Yahoo! account, [ag4ki@yahoo.com](mailto:ag4ki@yahoo.com).

## Loggings

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Peter Baskind, N4LI. 3225 Forest Hill-Irene, Germantown, TN 38138. EM55

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As I write these loggings, it appears that the short Winter E<sub>s</sub> Season has all but ended. It was a bit disappointing this year – openings were less intense than previous years, and only two new squares were worked. In short, it's slim pickings. Still, it's always fun to work the band, and I enjoyed what openings we had.

Loggings below will follow a format I hope to make standard. Listed will be the worked station's callsign, their grid, state, and any other pertinent information.

All times UTC; all 6m E<sub>s</sub>.

7 Nov. '04

1438 WB8ZTV EL88/FL  
1441 WD4MGB EL99/FL  
1443 W4LTJ EM90/FL  
1446 KS4IJ EL97/FL  
1450 KI4FRC EL89/FL

8 Nov. '04

1231 K1GUN FN53/ME  
2252 WDØM DM67/CO  
2309 W5IXR DM76/NM  
2355 KØHGP EN34/MN

9 Nov. '04

2320 WA3WUL FM29/DE  
2323 AG2A FN30/NY  
2325 K3TKJ FM28/DE  
2326 W2JLK FN20/NJ  
2330 W2ACY FM29/NJ  
2346 KD4WKP FM17/VA

12 Dec. '04

0118 N3XED FN01/MD  
0150-0207. Various MA, NY, NJ, Ct, etc.

17 Dec. '04

(All worked at 10w)

2210 KB1KDK FN31/CT  
2230 K1GDH FN42/MA  
2254 K1MS FN42/MA

21 Dec. '04

(Back at 100w)

2338 NØVDQ EN36/MN  
2346 VE4QZ DO90/MB  
2359 NØUJJ EN36/MN

22 Dec. '04

0010 KØKP EN36/MN  
0056 VA5DX **DO62**/SK  
Just under 1500 miles

26 Dec. '04

2222-2255 Nice opening with numerous contacts to the Northeast. VA, MD, NJ, PA all strong. One short-haul contact to EM98/WV at 2254.

27 Dec. '04

0125 WJØF DM45/AZ  
0215 K7NEP DN53/WY  
Worked with ~4 watts

28 Dec. '04

2022 KØMVJ EN36/MN  
2032 W5CIA EM40/LA [note 1]  
2131-2358 More contacts to MN. Also worked KØDLW DN76/ND at 4 watts for my first 6m ND contact below 5 watts. Arizona also worked.

29 Dec. '04

2222-2258 Many contacts into CT, MA, PA, NY, RI, etc. A couple CO stations also popped in. Nice opening.

30 Dec. '04

0003-0056 Very nice opening with numerous contacts into OH, PA, NY, etc. Far too many contacts to Ontario to list. Those VE3s were stacked pretty high. Highlight of the opening was VE2XK **FN07**/PQ for a new grid at 0037.

[note 1] I am not quite sure of the mode in the W5CIA contact. After both W5CIA and I had worked the Minnesota station, W5CIA asked the operator to ask me to attempt to contact him in Louisiana. After moving to a new frequency, we were barely able to hear one another. The contact was very weak and watery, making one wonder if it was troposcatter or backscatter. Interestingly, there was a very strong meteor burn mid-contact which brought W5CIA up to S9 for about ½ second.

I am KC9BQA -- Todd Sprinkmann up in EN63ao, 40 miles north of Milwaukee. I got on the air a year and a half ago, after being an on-again, off-again SWL/scanner/BCB/TV/FM DXer. My wife and I moved to a radio-friendly location in the summer of 2003, and that released a lot of pent-up radio dreams in me, LOL.

I've been lurking [on the e-mail] list but not really doing any FM dxing yet. I spent a lot of time getting the V/UHF contest station on the air. So anyway... I spend a lot of time monitoring 50mhz and I have a 5el M2 beam up @100'. When I send you 6m logs, I will try to focus on simply DX.

I was amazed to see all the interest in 6m that came out here on the list. I hope this is something that can be nurtured and expanded upon. I plan on doing my part, and as this evolves, I may have some resources to share with the list. For now, I'll keep it fairly short and get to my Jan. loggings.

11 Jan '05 (Es)

2253 W5CMP EM12/TX  
 2301 W6ZI EM26/OK  
 2317 N0MUA EM27/**KS**

[note 1]

2331 KL1IF EM37/MO

[note 2]

2359 W2DAN FN41/RI

[note 3]

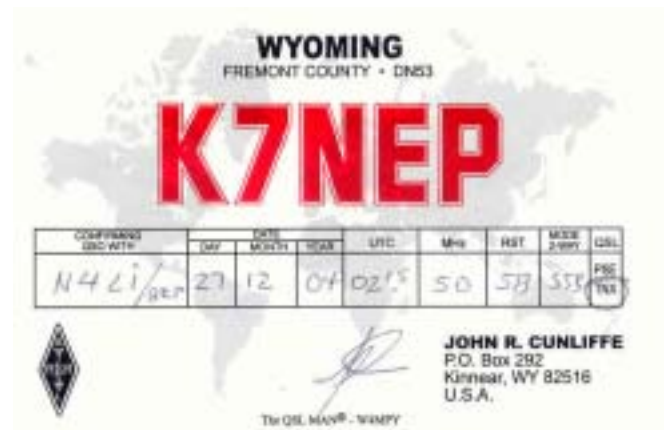
0324 W0GLU EN35/MN  
 EN35/34 grids straddle the Twin Cities.

0326 VE2XK FN07/QC  
 0329 VE4XC EN19/MB  
 0400 K0AWU EN37/MN

12 Jan '05 (All Aurora)

0249 KB0NR EN35/MN  
 0250 KC9FQD EN54/WI  
 From the U of WIS -- Stevens Point ham shack.

0257 VE4CP **EN00**/MB  
 0310 N0VZJ EN35/MN

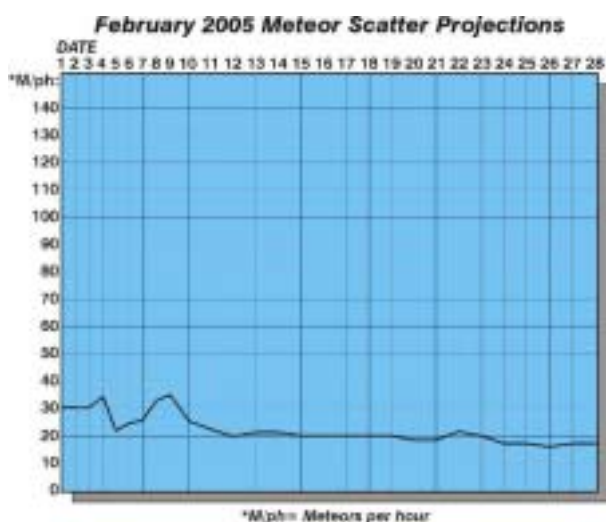


QSL of K7NEP. Contact made  
 27 Dec. 2004 by N4LI/QRP

[note 1] NEW STATE! KS is #45 for me on 6. Still need WV/SD/OR/AK/HW.

[note 2] This is fairly short skip on E's for me. Figured FM band must be pretty good.

[note 3] E's to southwest shut down but I kept hearing W2DAN. Never anyone else -- odd.



## METEOR SCATTER GUIDE

Maps By Jim Thomas

Outside of a few dates in early February averaging 30 hits an hour, the month of February is pretty much flatlined. This is *not* to say that there's no meteor DX in the month of February because there are always random meteor hits. All it means is that we're in a quiet cycle for the near future. And as usual the best time to try is early mornings before sunrise.

# TELEVISION: THE TECHNOLOGY THAT CHANGED OUR LIVES

BOB COOPER  
PART FIVE

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Brown, RCA and the industry could be excused for being confused by the FCC's stance. Radio-Craft for September 1948 reported:

"TV allocations will have a profound effect on broadcasters and receiver owners, said John A. Willoughby, acting FCC chief engineer. Mr Willoughby said the lower end of the present television band (channels 1-6) may be wiped out in two years, to make room for fixed and mobile services which require the space. Channels 7 - 13 will be used for TV for perhaps ten years, but only for 'low definition' transmission. The area above 500 mc will be used for high-definition, black and white and color transmissions, which may come in two years. According to Mr Willoughby, a television station starting operation on a low frequency channel in the next two years is faced with possible loss of its transmitter and antenna investment. It follows that receiver owners would also take some loss, even if only that required to purchase conversion units."

The 1947 problems relating to interference between stations and channels was but the tip of the iceberg. With only 18 TV stations actually on the air at the end of 1947, the start-up of 15 new, additional, TV stations during the first half of 1948 would drive the Commission's engineers up a wall. Each new operating station further muddied the waters and while on one hand the new service areas opened up for the first time (such as Dayton and Richmond) meant millions of new homes were being exposed to first time local TV, on the other hand the additional transmitters were adding to the "pollution" of the channel space.

RCA apparently had mixed feelings about UHF, mostly dominated by a certainty that if the FCC rushed into use of the "ultra highs" without a foundation of wave propagation knowledge it would be, as Brown so aptly recorded, "a disaster." The logic underlying what RCA did next is difficult to comprehend.

Brown: "During the summer of 1948 a UHF transmitting antenna was constructed and mounted above the WNBW turnstyle (Washington, DC). Frequency converters (UHF to VHF) were designed and went into

selected homes in the Washington area, 75 in number. We experienced many failures of the UHF (504-510 mc) picture transmitter since we were using a transmitter tube designed for the VHF band and were pushing the tube to the limit in order to operate in the UHF band. A panel truck with an awesome assemblage of measuring gear and television sets began a thorough comparison of UHF service in the area rendered by WNBW on channel four. We gathered a mass of data concerning everything we learned in Washington and assembled it in a thick document called 'The Washington Field Test'."

Of course some (read - many) of the 75 locations receiving test UHF antennas and converters were folks employed by the FCC. Not a few others were influential people in the television business, such as Sol Taishoff the editor and publisher of the industry's trade magazine Broadcasting. RCA was walking the most delicate of lines here. Intuitively, they wanted UHF to work. But more than that, they wanted the handful of influential folks centered in and around Washington to realize that a serious UHF effort was not a cake walk and there were so many unknowns that a premature move to UHF was - well, just as bad as a premature move to color.

That "delicate line" is best illustrated by an incident during November 1948. After a summer of testing in Washington, and reams of collected data, the Institute of Radio Engineers invited George Brown to report on The Washington Field Test. Brown, with the virtually unlimited resources of RCA, conceptualized a one hour demonstration built around use of the 500 mc test transmitter and a second transmitter created especially for the occasion operating at 850 mc. He planned to use the 850 mc transmitter, fed from the extensive production center at WNBW, a staff announcer from NBC, and the 500 mc transmitter to create a parallel set of transmissions which would be displayed on 8 RCA television receivers on a stage at the auditorium of the Potomac Electric Company. There was a full scale dress rehearsal on the afternoon of the demonstration and everything worked fine. The 850 mc transmitter was only video, relying on the 500 mc field test transmitter for the audio while graphs and charts and

photographs flashed on the 850 mc receiver screens. Brown, describing the evening of the presentation:

"While we were dining preceding the demonstration, a phone call from the transmitter room. The 500 mc picture transmitter had given up the ghost. Mildly disturbing, of course, but not enough to really excite us. We rose to the occasion and decided to transmit the picture portion on our 850 megacycle marvel and receive the sound from the (still functional) 500 megacycle sound transmitter. Just two minutes before the appointed time for the broadcast, I was again called to the telephone. 'This is Archie at the transmitter. The sound transmitter just conked out!'"

Meetings of the IRE attracted the best of the best in telecommunications. An IRE meeting in Washington attracted the very best of the best, the folks who by their credentials could make or break a new concept merely by the position of a raised or lowered eyebrow. Brown and RCA participants in the IRE had their own pecking-order status within the IRE and it was all on the line.

"I hastened back to the auditorium just in time to see curtains open on eight receiver screens, followed by an NBC announcer who silently moved his lips. I did the only thing possible short of quietly leaving the hall and going to bed. For one hour and 30 minutes, not one hour as my colleagues planned and as the rehearsal ran, in the WNBW studio they held up antennas, pointed at charts, showed slides and gestured violently to make a point while I stood on the stage and supplied sound for the program. Fortunately nobody advised the fellows in the studio they were taking part in a soundless broadcast or it would have been difficult for them to carry on so well."

The FCC on September 30, 1948 came to a reasoned conclusion. Radio Craft reported:

"Television grants were halted by the FCC for a six month period. During this time no action will be taken on applications for (new) TV station licenses. In announcing the freeze, Wayne Coy, FCC Chairman, said that evidence presented at an industry commission conference held in Washington September 13 and 14 raised serious questions about the present and proposed frequency allocation scheme. An engineering conference will be called to discuss the question; meantime, no further allocations will be made.

"Operation of the 37 stations now on the air and construction permits previously

authorized will remain unaffected. Mr. Coy emphasized the usefulness of presently owned and marketed television receivers will not be impaired."

In fact, six months would turn into just short of four years and during that time (through mid-1952) all TV growth would be limited to the reach of 108 TV stations which had received construction permits before mid-September 1948. What perhaps should have been a six to twelve month "freeze" on new applications was about to become hopelessly complicated as the industry and Commission wrestled not only with juggling TV channels about, but also with adding new UHF channels and color. The color question was still a roadblock to the ultimate fabric of television in America.

CBS's Goldmark found a temporary shelter for his field sequential color system through the American Medical Association. It was an unusual marriage. Joseph DuBarry, an assistant to the President for Philadelphia based Smith, Kline and French Laboratories, would be given credit for the concept. It was simple enough.

Television cameras in an operating theater, microphones inside of surgeon's surgical masks, a string of closed circuit TV monitors allowing medical students and practicing doctors to "be up close and intimate" with the skilled hands of the doctors performing the operation. Attempts dating back to 1946, using black and white equipment, had been only partially satisfactory because like the orange and purple flowers side by side in a vase, anything and everything covered in blood had the same grey texture on the screen.

Color was a possible answer. All involved agreed televising intricate operations for medical personnel was a goer, but only if those watching could distinguish between an artery and a scalpel.

Goldmark created a test system which he displayed to DuBarry and a small select group of surgeons including Dr Isador S. Ravdin of the University of Pennsylvania. The demonstration was done using a Japanese manufactured full-sized plastic dummy of a woman's torso, complete down to the inner organs which were only revealed after the quasi-doctors acting out the operation cut through the human colored skin.

Dr Ravdin, according to Goldmark, "immediately ordered a set-up for the university hospital. We devised a small camera on a long beam that could be lowered over the patient on the operating table by remote control, so as to not interfere with the

surgeon. Zenith quickly built us a receiver (monitor) with a 12 inch picture tube and (magnifying) lens. One nice thing I later learned was that coming to us (CBS), that locked out RCA with whom they had been negotiating a black and white camera (system).

"The climax of our (CBS) medical television experiments came in December, 1948 during the American Medical Association's annual meeting in Atlantic City. Zenith built twenty color receivers financed by Smith, Kline and French. We set up the equipment in the operating rooms of the Atlantic City Hospital and ran 'shows' piped to 15,000 doctors in sections of the convention hall. The operations were so realistic on the TV screens that some of the viewers, including doctors, fainted in front of the television screens. (As a result) of the accolades, morale at the (CBS) lab picked up and we actually thought we might sell cameras."

But there was no dissecting the mind of Chairman Paley. Upon his return from the highly successful Atlantic City demonstration, Goldmark received a call from the Chairman's right hand man.

"Bad news, I'm afraid. The chairman has decided he has no further use for the lab. He'll give you thirty days to shut down - and lay off the staff."

It was December 1948. The "temporary freeze" on FCC granting new TV application construction permits was now 3 months old. The number of TV stations operating, those fortunate enough to have been granted a construction permit before the freeze was announced, was now 44 and the number of TV receivers in consumer hands was passing 1,000,000, growing at a rate in excess of 130,000 monthly. Not one of these could receive color.

Peter Goldmark had been told to wind up CBS Labs. Chairman Paley gave him 30 days, he negotiated 90 and then in an act of desperation did nothing to start the process of closing up.

"(in an air of depression) I suddenly remembered that in Atlantic City during the medical convention several members of the FCC had come up to me and bemoaned the unhappy fate of color broadcasting. I was surprised to learn at the time that color had more support than I realized despite the commission's decision against it in 1947. This set me to thinking that if CBS brought color back to VHF, as they had before the war, instead of the more controversial UHF band, the FCC might possibly urge me to come

back to them with another proposal for a license."

And Goldmark's key revelation from Maverick Inventor:

"In a flash it occurred to me that by a simple mathematical transformation of the video signal, I could put color into the VHF band and make it sharp and even greater clarity than before. The net result after a month of weight-losing, intensive concentration, and frenetic activity was the development of a new method of broadcasting color in the low frequencies and at the same time making the image crisper than it had been. We called the sharpening process 'crispensing'. What we did was to electronically enhance the signal to emphasize the image sharpness over the rest of the information carried in the signal. It worked well."

Well enough that, for the third time in his life, Goldmark was able to attract the approval of CBS Chairman Paley. Quite by coincidence, it went through Paley's protégé Stanton and then to the Chairman only hours after a delegation of US Senators had visited with the big man to urge that CBS "do more with the color system shown at the AMA convention." Paley was known for his "love and hate" snap decisions and for the third time in his charmed life, Goldmark through Stanton reached the man at a peak of "love."

The next stop of Goldmark and Co was a private demonstration for FCC Chairman Coy and fellow commissioners. Goldmark reports:

"The demonstrations were so good that CBS took out full-page ads announcing color shows for the public in Washington. The reaction was very positive and Senator Edward Johnson, chairman of the Senate Commerce Committee and a 'color now' advocate promptly demanded that the FCC clear the way for color before the public became saddled with black and white sets."

Goldmark: "From then on things happened fast."

Perhaps, but before we drop ourselves into this grand finale race to the finish, some observations from George Brown and his RCA cohorts who were not quite convinced Goldmark had "developed a new method of broadcasting color."

Brown: "CBS proclaimed they now had the secret of confining (color) to a single (6 megacycle width) television channel by means of new methods the details of which were not disclosed. We visited their transmissions, dissected what we saw and

scratched our heads. The results were 405 lines, 144 fields (48 per second per color or 24 frames per second) and this told us that the vertical resolution must be not more than 77% of a normal black and white picture (405 lines versus 525 lines) while the horizontal resolution could be no more than 55% of that of a black and white picture. We constructed a pair of field sequential receivers complete with whirling disks and moved one to a rented bedroom at the Washington Hotel in downtown Washington in order to monitor the broadcasts over CBS affiliate WTOP. Those in attendance agreed the color rendition quality was very good but the picture was fuzzy (lacking in detail - a direct result of the significantly reduced horizontal and vertical detail available). And we were bothered by a constant picture flicker since we were using a quite bright picture tube, brighter than CBS usually used in their demonstrations."

Yes, Brown was Goldmark's nemesis and it might be suggested that he was biased against everything CBS did. But history assures us of his technical integrity and while his bias may have been real, his technical correctness was almost always spot on. He reported what they found to RCA brass. Brown would observe, "We were facing skilful competition."

In January 1949, 51 TV stations were operating in 36 markets and Televiser Magazine reporting on RMA/RTMA TV set production claimed 1,200,000 TV sets were in the hands of the public. Moreover, new sets were going into homes at the profound rate of 140,000 per month. The FCC called for full scale demonstrations and then hearings to begin in September 1949 which would be the start of month 13 from the date the FCC froze all new station applications. Senator Johnson may have been an advocate of "color now" but his real advocacy was for 'TV now'. His home state, Colorado, had been "frozen out" of TV in 1948 and his constituents were daily berating his office demanding access to the video medium. He correctly saw a decision on color as holding up even black and white TV for Coloradians.

The color TV debacle was about to move into high gear and the final curtain was less than a year away. We'll give away the result up front because most already know it. CBS won against RCA (and weak third ran California firm, CTI).

The first public demonstrations involved a dual test shortly after the hearing opened on September 26 (1949). CBS, CTI and RCA were each required to demonstrate color TV on receivers of their own design from two

different sources. First, from a coaxial cable that linked New York City and Washington, and next, from a local TV station. The coaxial cable test was to answer, for the FCC's peace of mind, whether any of the three systems could be inter linked between cities using the AT&T coaxial cable. George Brown on this aspect of the tests.

"AT&T provided coaxial cables between New York and Washington as well as to other cities. These cables were designated L-1 and could transmit frequencies from 0.04 to 2.7 megacycles while signals above 2.7 megacycles were attenuated rather severely, even black and white pictures had a loss of detail. The FCC required that color pictures created by the three competitors generated in Washington be sent to New York City, turned around and returned to Washington for display. The CBS 405 line signals retained color information but the picture detail, already poor, was further degraded. But the RCA signals came through only in black and white, a fact triumphantly noted by CBS. We anticipated this because the RCA system had a color subcarrier at 3.8 megacycles and this was well into the higher loss region above the L-1's 2.7 megacycle upper frequency limit. We stoutly maintained that this was not a serious defect because AT&T was in the process of upgrading the L-1 cables with a newer, wider band system they called L-3 which would when completed solve our problem of inter city distribution."

Point one against RCA.

While CBS and RCA were the two combatants, a third firm known as CTI (Color Television, Inc.) from San Francisco was also an entrant. To keep the systems identifiable, the FCC was referring to them as follows. CBS - field sequential, CTI - line sequential, and RCA dot sequential.

The live broadcast tests were designed to illustrate the state of home reception using local stations WNBW (owned by NBC), and WTOP (a CBS affiliate owned by the Washington Post newspaper). When the FCC last visited color TV (March 1947) CBS was expecting to get the nod and did not. And because Sarnoff had promptly hired as a vice president of NBC then-FCC Chairman Charles Denny the perception that RCA "bought their way out" of the skirmish was often discussed within the trade. At that time, CBS and Goldmark in particular could not admit their system contained shortcomings which might have influenced the FCC's seven commissioners to vote "no" to the CBS petition. But there were flaws in the system of which four stood out. One was the requirement that all TV receivers

(Continues on page 41)



Send your logs to [mbugaj@snet.net](mailto:mbugaj@snet.net) or PO Box 501 Somersville, CT 06072

**Charles Gauthier St-Lambert, QC**  
(45°30'45"N - 73°30'22"W)

Equipment: Realistic PRO35 handheld scanner, Antennacraft 32 element VHF-UHF-FM antenna at 30' AG, CM9510A rotor, RG6 coax.

Time is EDT

2004

09/14 Tr  
2150 KHA53 162.400 NY Rochester 260 miles  
2155 WXN68 162.475 NY Watertown 158 miles

09/15 Tr

0015 \*WWF48 162.525 MA Mt. Greylock 199 miles

\*NEW

**Morris Sorensen Winnipeg MB**

Drake R8 with VHF converter and indoor random wire antenna

Here is a weather radio logging for your new column.

162.500 KWN 43 Langdon ND 9-19 1506 UTC poor with storm warning for parts of ND and wx for rest of state. My first wx radio here from outside MB! tropo.

In the Oct. VUD, the two 6M hams I reported as tropo should have been Es.

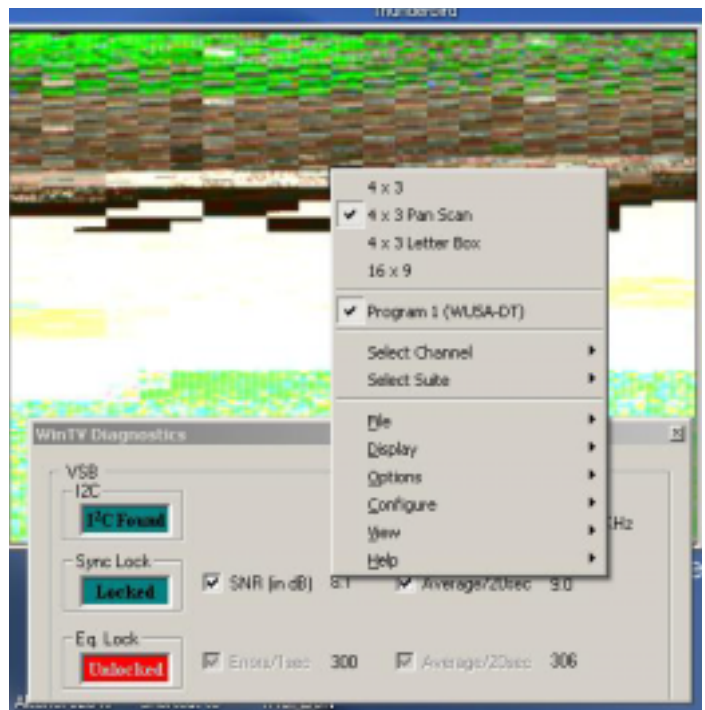
**TELEVISION: THE TECHNOLOGY... CONTINUES FROM PAGE 40**

equiped for color have a motor driven disc or narrow wheel which must be as a minimum 2.44 times the diameter of the TV screen it shrouded. The second was the "flicker problem" which was inherent in any field sequential system. The only solution here was to darken the room, reduce the contrast and brightness on the display and allow your eyes to adjust to the artificiality of sitting hunched over a tiny screen. Number three

was the requirement for a 12 megacycle channel width, impossible at VHF and therefore CBS had been led to not only urge the FCC to approve color but the opening of a little explored UHF TV band simultaneously. Finally, the matter of compatibility. When CBS transmitted a color program, the entire universe of black and white TV sets went dark (or displayed 16 gyrating miniature images that danced across the screen as if a chorus line).



Two DTV screenshots using the Win TV-D card. One is WFME DT 29, Newark, NJ. The other is WUSA-DT 32, Washington, DC, not locking, but showing an ID. Seen in CT.



# AND ALONG COMES IBOC...

## OH NO, Not Again!

*Mike Bugaj* on 12/31/04:

WHCN 105.9 Hartford, the River, has just turned on the IBOC. Gone are 105.7 and 106.1, although I did hear WROR-105.7 break through a few times this morning. Comment: This stinks.

*Keith McGinnis:*

As much as I hate IBOC it is possible to dx thru it on FM. Moderate to strong trop and good Es cut thru it. All is not lost. Just as (to) Jeff Lehmann or me.

*Bob Smolarek:*

You are so right Mike, this IBOC stinks! Sorry to hear you lost 105.7 and 106.1. An update down here, WSNI 104.5 turned it on, goodbye 104.7! I think once the Lehigh Valley's on 95.1, 96.1, and 100.7 get it I probably will pack it in, and just DX super openings like that summer eskip. Unless some technical person can come up with a solution, this hobby is dying.

*Scott Fybush:*

I beg to differ, somewhat.

I suspect that there were people bemoaning the "end of the hobby" when we moved from the 42-50 band upstairs to 88-108, and again when the first stations started running superpower, and then again when the flood of the little class As came on.

No, IBOC won't make things any easier. Yes, it will wipe out a lot of frequencies that many of us are accustomed to DX'ing on, especially those of us in or near major markets. But to my mind, it's just the latest of many challenges we all have to face as "non-priority" users of the broadcast spectrum. There will still be stations that don't adopt IBOC, and I'm far from convinced that the system will be enough of a success that it will still be around 10 or 15 years from now, period. (AM stereo, anyone?)

Some of us already DX under far less than favorable conditions - three class B FMs with very low antennas less than a mile away, in my case. When IBOC gets here, it will just be one more headache - but it could also be viewed as being one more challenge to overcome. And let's face it, when and if receivers show up out there, some of us will no doubt begin chasing IBOC DX, too.

The analogy I like to use is on the TV side: yes, the arrival of DTV wiped out a LOT of previously open channels (no more Scranton 28 or even Watertown 16 for me, for instance) - but it also created a slew of new, and to my mind very interesting, DX opportunities. I don't think IBOC FM will be anywhere even close when it comes to DX opportunity, but there's got to be some there. And it can't really be that much worse than the flood of translators that's doing just as much to choke up the band, can it?

*Jacob Norlund:*

The problem isn't that there isn't a solution...it's that nobody is deploying it. Our dumbed-down FCC thought that IBOC was the best approach to DAB in the US. Ummmm...NO! As if the FM dial in many markets is not crowded already! The European approach (giving DAB its own band) seems to be the best one. Unfortunately, the FCC is too thick-minded to notice. Suggest it to them and they'll probably cry out "but the spectrum's too crowded!". Have a scanner, FCC? Try parts of the 230 - 405 MHz air band for a start. Crowded? Not quite! Perhaps the best solution would be to carve out a 10 or 15 MHz segment of that band. Some military services do use that portion of frequencies, but since the entire range (or most of it) is allocated consistently, it might have been wisest to transmit DAB on frequencies there...and perhaps using an open (or at least semi-open) format. But no...we have to use that wonderful closed Ibiqity system (which you need a license from the corporation to use!), cuz open systems just ain't the FCC's way.

*Eric Bueneman:*

I wouldn't be surprised that 105.5 and 106.3 would be gone, too...and that 105.3 and 106.5 would suffer from interference.

I don't think so. IBOC, to tell you the honest truth, is an honest-to-goodness waste of spectrum space. On AM, it can waste up to 100 kHz of spectrum space. I've lost a good daytime/sunset channel in 860 in the St. Louis area. The loss of good DX channels would be just as bad if one station were to go

IBOC on FM in St. Louis. For example, with KFUO, I would definitely lose 98.9 and 99.3, but I would also lose two very good DX channels (98.7 and 99.5).

*Jeff Lehmann:*

It just seems to affect the first adjacents, at least on my T-80 with the good filters. I haven't seen a case where the second adjacents have been messed up, so you should be fine in that regard. I've now just about lost 11 clear frequencies because of this crap (because of 92.9,93.7, 96.9, 105.7, 106.7, and 107.9). It's an odd number, because 107.9only kills one. 2 more Boston stations have it (91.9 and 99.5) but those are weak enough here that they don't bother me too much.

As I've said before, why can't we be like Canada and the rest of the world and put this digital stuff in it's own band!

*Eric Bueneman:*

That's why IBOC should never be implemented. The AM and FM bands are simply not suited for digital radio...the NAB has no other choice but to accept more competition. We wouldn't have had this mess if the FCC approved Eureka 147, and forced the DoD to higher frequencies.

*Doug Smith:*

Unlike AM, IBOC-FM doesn't trash second-adjacents on any decent radio.. WQZQ-102.5 is one of my strongest locals; their IBOC certainly does trash 102.3 and 102.7, but it doesn't cause any problems for WBUZ-102.9or W271AB-102.1. (ironically, both of which are owned by the same company that owns WQZQ!)

WLAC-1510's IBOC, on the other hand, certainly does do a good job of clobbering 1490-1530. Luckily, so far only during the day.

*Joe Fela:*

A couple of years ago, I was told there were two reasons broadcasters wanted IBOC rather than DAB in its own band. The first is that where a separate DAB band was opened-up, it was largely ignored by the public. In short, an economic disaster. A certain WOR engineering head laughed at the fact that the DAB band in Europe received almost no public listenership (is that still the case?). I believe he also said the same for Canada. The 2nd reason is that supposedly the FCC refuses to allocate spectrum for a DAB band....the spectrum in question supposedly is reserved for military use. I think most of us believe that if broadcasters really wanted a DAB band, they would have it (what broadcasters want, broadcasters get!).

*Jacob Norlund:*

It's doing much better in England right now. Although in the past the rollout may have been a little pre-mature with radios too expensive and the like. Today, however, it wouldn't be difficult to make a relatively inexpensive DAB radio for ~300 MHz or L-Band (microwave, as used in Canada). The FCC and the DOD ought to discuss issues such as this and come to a compromise. I can't see them having use for 180MHz of continuous spectrum, if that's what it is.

*Mark Hattam(UK):*

UK DAB Allocation is 11B thru 12D of these DAB multiplex channels

Block MHz

10A 210.080	11C 220.352	13A 230.784
10B 211.792	11D 222.064	13B 232.496
10C 213.504	12A 223.936	13C 234.208
10D 215.216	12B 225.648	13D 235.920
11A 216.928	12C 227.360	
11B 218.640	12D 229.072	

I can sort of see why IBOC or digital on AM could be wanted ... better quality than AM.

But what's the advantage on FM?

Over here DAB audio is inferior to FM stereo due to the low bitrates used (low bitrate means more "choice" as they can squeeze more streams in on each multiplex).

*Joe Fela:*

The claim is that it is slightly better than normal FM. However, keep in mind that the IBOC channel can also be used in the future for non-entertainment uses (data streaming). With that in mind, I think IBOC is here forever, even if a DAB is established in the future (which I suspect will happen in time only because IBOC will not give listeners enough choices when compared to the satellite services).

*Bob Cooper:*

Reference 230-405 MHz. In 1946, the US Government established their own version of the FCC for military and government users called IRAC -Interdepartmental Radio Advisory Committee. The FCC is NOT allowed access to the spectrum you quote because it is IRAC territory. And surprise-surprise - IRAC is not answerable to ANYONE save the White House through the office of telecommunications. And you thought Doug's posting about WWV was a mindblower!

*Doug Smith:*

(RE: 10A 210.080 and 10B 211.792) This spectrum is used by TV channel 13; the 222MHz ham band; the "220MHz radio service"; and the bottom of that military band here in the U.S..

The Canadians are using spectrum around 1400MHz for DAB. It's my understanding the same band is in use in a number of European countries. It was officially considered not acceptable for DAB use in the States because of some kind of flight test allocation that couldn't be moved. (but I read somewhere in the last few weeks where that allocation has been quietly withdrawn for lack of use...)

Unofficially I strongly suspect the reason was not technical.

I think the 220MHz spectrum is probably more suitable for DAB broadcasts, but with the DTV transition I don't think any scheme that involves reallocating a high-band VHF TV channel will work.

*Doug Smith:*

According to <http://www.wohnort.demon.co.uk/DAB/>, thirty countries use DAB allotments in the 220MHz vicinity. Ten use L-band spectrum between 1452 and 1492MHz. Some countries appear on both lists. Poland experimented with Eureka DAB within the regular 88-108MHz band but found it didn't co-exist with analog very well. Japan uses the 220MHz spectrum but an incompatible system called "ISDB-T".

According to <http://www.fcc.gov/oet/info/database/spectrum/spinvtbl.pdf> (you may also want to read <http://www.fcc.gov/oet/info/database/spectrum/spinvdoc.pdf>) this band is allocated to government aeronautical telemetering in the United States. If I read the table properly there are 275 transmitters authorized for this band.

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## IBOC (HD RADIO) NEWS

CLEAR CHANNEL RADIO today announced that 65 of its radio stations are broadcasting via digital signal utilizing iBIQUITY's HD RADIO technology. Earlier this year, CLEAR CHANNEL announced its Advanced Technology Initiative, which includes an aggressive conversion to HD RADIO on 1000 of its stations (95% of the company's total stations) over the next 3 years.

iBIQUITY said at the CONSUMER ELECTRONICS SHOW that it has deals to convert another 2,000 terrestrial radio stations to HD RADIO, including stations owned by ABC/DISNEY, BEASLEY, COX, EMMIS, and VIACOM as well as CLEAR CHANNEL. REGENT issued a release saying it, too, is participating in the conversion, and iBIQUITY says it expects about 15 HD RADIO receivers to be on the market by the end of 2005, including the first tabletop versions (there are presently only three HD RADIO receivers on the market)."

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### Two-Thousand New Radio Stations Set To Air Digital Broadcasts

(Columbia, MD) -- A Columbia, Maryland company has signed a deal with 21 of the nation's leading radio groups to accelerate the rollout of its digital broadcasting technology. iBiquity Digital says that in addition to improving audio content, HD Radio allows stations to broadcast a wireless data feed to receivers that might include traffic or weather information, in addition to song and artist information. Approximately 500 AM and FM radio stations have begun the transition or are carrying the HD Radio signal. The new deal adds another two thousand commercial stations that will convert to the digital format. The Corporation for Public Broadcasting will soon offer a total of 309 digital stations.

# IN SEARCH OF THE ULTIMATE DTV SET TOP BOX

Is There Anything New Under the Sun for 2005?

Posts and information from the WTFDA list.

The original post asked the question "If you really want to get the members interested in the DTV Dx, have the members that Dx DTV report what brand name decoder card they use. There is so many different ones to choose from, how are we going to know what one to get? I just got another pc in October and am looking into getting another DTV decoder card. Before I put my money down, I would like to know which one I should get. I already have the Win-TV-D, what about the Win-TV-HD? I also have the Sony HD-200 & HD-300 direct TV receivers that do DTV. I hear & read about these next generation design receivers & it adds to the need to know which one to shoot for (to buy)."

First reply from Glen Hale "I have had experience with several. Here are the models I've used at one time or another..."

- Samsung SIRT-150
- Hughes HIRD-E86 (DirecTV)
- Samsung SIRTS-160 (DirecTV)
- Motorola HDT-100
- LG LST-3100A
- Zenith HDV420
- Zenith Sat HD520 (DirecTV)
- WinTV-D
- ATI HDTV Wonder
- Sylvania SRZ3000

For sheer reception capability, I think the Sylvania is the best I have used. In general, it locks onto and holds onto DTV signals better than any of the others. However, it isn't the most "DX friendly" DTV receiver. It does allow you to sit on a channel and wait for a signal to come in, but you won't know anything is there unless it locks. It's no longer made, but they can be found on eBay for under \$150. The LG is probably the most "DX friendly" of the non-PC receivers. It will allow you to display a signal meter on any channel at any time. It's receive performance is pretty good, but I had trouble with it overloading in the presence of strong signals. Of the two PC-based receivers I've used, I prefer the WinTV-D. It has a nice diagnostic screen aiding with DT reception, but its reception capabilities are not up to the newer STB's with the latest chips. By comparison, the ATI is slow, buggy and very DX unfriendly.

A 5th generation receiver should be on the market sometime this year, possibly in a model sold at Wal-Mart under the "US Digital" moniker. They currently sell these boxes, but they have 4th generation chips. The 5<sup>th</sup> generation chip is supposed to perform much better in a high-multipath environment, but no one really knows if it will do much to improve weak signal reception.

Several people at AVS Forum rave about the LG LST-4200. Most there regard it as the

best currently on the market. Samsung and Motorola both have current models that I've seen at Circuit City.

Bob Cooper comments "I saw a posting from LG over the New Year's period stating they would NOT be releasing version 5 of their processor in a stand alone box "at this time." My interpretation is they are either short of chips and cannot support boxes, or think they can get a bigger dollar from selling the latest version chips directly to the TV set makers."

Steve Rich adds "I currently own the old RCA DTC-100, the LG LST-3100A and the WinTV-D. Overall, the LG is the best DTV DXing receiver I own and as Glen mentioned, it the most "DX friendly."

FWIW, a few weeks ago I posted these comments to a few area DXers regarding tropo reception from Nashville, TN stations @ 257-272 miles and Cincinnati, OH stations @ 103 miles.....

Going back to the tropo conditions Mon. evening and Tue. morning, I'm still somewhat baffled by the results I get between my three DTV receivers. The LG was the only unit to decode the PSIP and the video from WZTV-DT. Meanwhile, during the peak of the signal from WKRN-DT, the RCA registered a signal reading high of 50, where it needs at least 31-32 to decode. In fact, the RCA was able to display a fairly solid picture for almost 90 seconds. During the same time the WinTV-D was able to decode the call letters and to display a couple of very weak "green" video shots while the LG displayed absolutely nothing! The LG never did decode WKRN-DT, not even the PSIP info. None of the three units ever decoded the Nashville DTV on ch. 36. WTVQ-36 was in and out most of the evening so that might have been a factor with that one.

Then yesterday morning I noticed that the RCA locked in on WKRC-DT as soon as I punched in ch. 31 while it took the LG another minute or two to decode it. A few minutes later I noticed that the LG locked in immediately on WLWT-DT while the RCA was rather slow in locking in on this station. The WinTV-D also found these stations yesterday morning but was way behind the other two receivers and reception was very sporadic.

Just some observations as we all continue to locate the ultimate DTV receiver!!"

Karl Zuk said "I bought a Sony Wega 960 for someone over the holidays. Half of Sony's HDTV line now has ATSC tuners incorporated into the sets, so STBs maybe a thing of the past already. It's about time HD sets came with HD tuners."

Dave Pomeroy adds "The set top boxes are definitely hard to find around here.

(Topeka/Kansas City area) Stores with HD monitors for sale don't even have them. Some even suggest you buy the monitor from them and the STB from someplace like Best Buy which in Topeka at least doesn't have them either. They appear to be a thing of the past, but if the "transition" ever takes place there should be some demand. We will have to buy at least two of them (sure hope the price comes down) and even more if we want to continue to use our small portable sets. Sure can't pay \$200-\$300 for each one.

I have been using the Win TV-D for 5 years now. Overall, I'm fairly pleased with it and find it "DX-friendly." We also have a Samsung 26" HDTV set that I have captured some DX on, but it really gets confusing when it maps a DTV channel back to their analog channel number. Some channels are blocked when the thing remembers a station and won't decode another station on the same channel during an opening. Very frustrating. However, it appears to be as sensitive as the Win TV-D. I have tried a couple of other STBs--a Samsung and the LG 3100A. The 3100A was better than the Samsung, but on one occasion I was able to receive a DTV station through the WIN TV-D and not the LP. I sold the LP and am waiting for an ideal STV box.

For non-DX viewing I really like the Samsung set. My nine-year-old daughter has it mastered and really enjoys some of the PBS Kids programming on local KTWU-DT 23 multicast. My wife has to ask me or our daughter for help if she wants to watch a program on the DTV set. We don't have cable or satellite and visitors can't believe how good

the signal looks. Of course, most of them are comparing it to the cable signal they are getting at home which is usually somewhat lacking in quality.

My most distant reception has been on the Win TV-D with Houston, TX at over 600 miles. I like the way a signal is frozen with PSIP if the signal decodes at least once. Several IDs have been "captured" overnight that way while I slept or was at work before I retired. And finally Gerard Westerberg closes with "I've had decent results with the WinTV-D card (130 DTV logs in 19 states so far). As others have mentioned, the WinTV-D chip set is probably a little behind those of the newer set top boxes. During some comparisons with various STBs, the WinTV-D was able to lock on and decode a weak signal about as well as any of the STBs tested. It performed MUCH better than any of the Samsung STBs I tested, but not quite as well as the Zenith / LG STBs. The newer chipset STBs are definitely better than the WinTV-D at holding their lock and displaying a good picture through difficult and changing conditions.

Analog NTSC performance on the WinTV-D is fair at best, probably comparable to most cheap VCRs.

Where the WinTV-D really shines is in its "DX Friendliness". It is extremely easy to operate, does no annoying remapping, and effortlessly produces nice screen captures. To me, the WinTV-D's DX friendliness and functionality outweighs any benefit I've seen so far from the various "more advanced" STBs I've been able to test. I'm awaiting LG's fifth generation chipset before I try yet another STB.



# SATELLITE NEWS

**GEORGE W. JENSEN**  
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Another column of mostly deletions. **AMC 7** at 139 west delete FOX NET on XPDR 19. On **AMC 10** (once C4) delete XPDR 11 SpeedVision - to the small dish only and XPDR 17 MTV East to ? **Satcom C#** has been replaced by new **AMC 11** - from this delete 118 Showtime HDTV East which is now on G10. On channel 611 - Discovery Wings is now Discovery Military Channel. On **Galaxy 5** - delete WGN from XPDR 7 - is now on XPDR 13. Delete Spike from XPDR 18 - Sci-Fi is now parallel here to XPDR 4. On **AMC 1** (103West) ADD -channel 412 - Dallas Sports Network and delete 683 Wisdom. On

**AMC 4** delete all FOX Sports Networks - channels 400 through 413. On **Galaxy 11** delete the following channels - 602 - VTV Varsity Teletision, 603 - KTVD Ch 20 Denver, Colorado, 800 Blue Highways, 802 Crawford Communications tests, and 803 - Maverick TV. On **AMC 3** (87 West) DELETE XPDR 14 - Turner Classic Movies to small dish only. Also change XPDR 19 from WKRN to WABC Ch 7 - New York for the Prime Time 24 services. Look for others to go in the near future. That's all from this end - see you in 30. Good DX and '73's.

*George*

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