

Vhf-UhfDIGEST

The Official Publication of the Worldwide TV-FM DX Association

MAY 2006

The Magazine for TV and FM DXers

The 2006 Es Season Begins!



Just as it has for years and years,
May officially begins the skip
season for the year.

Keep your receivers on!
Watch the prop maps!
Read the WTFDA's tvfmdx list!

IN THIS ISSUE

Reviewing the JVC KD-HDR1 Car Receiver
Emisoras de FM
Auroral FM DXing



TV and FM DXing was never so much

THE WORLDWIDE TV-FM DX ASSOCIATION

Serving the UHF-VHF Enthusiast

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



Editor and publisher: **Mike Bugaj**

Treasurer: **Keith McGinnis** Webmaster: **Tim McVey**

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

Editorial Staff: **Dave Williams, George W. Jensen, Jeff Kruszka**

Keith McGinnis, Fred Nordquist, Matt Sittel, Doug Smith,

Chris Kadlec, Peter Baskind and John Zondlo,

Our website: www.anarc.org/wtfda Our forums: www.wtfda.info

MAY 2006



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 **WTFDA.**



And now... eVUDS ON CD!

All eVUDs from 09/01 through 12/05 are on this disc (except 8/02 which was not published). Follow the changes from day one to the present form. **You can have it for just \$6.00** (\$5.00 plus a dollar shipping). Use the same address as for VUDs on CD shown on the opposite column. Have a great month!



CONVENTION 2006

AUGUST 11-12-13 Sparta, NJ

Join your host Rick Shaftan for three days of fun. Rick's tentative schedule calls for a BBQ at the Mountaintop for early arrivals on the 10th, check-in on Friday the 11th with a tentative trip to the Meadowlands AM transmitter sites, an attempt to string up a Rhombic aimed at Europe and possible tours of local stations. Saturday a field trip to High Point is planned as well as a business meeting and food in the evening.

Keep watching this space for more to come!



The Mailbox

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

TROPO IN THE AIR?

Welcome to the May VUD and yes, just like the leaves and the flowers that are springing up in May, long haul tropo has sprung along the Gulf coast for a few days in mid-April. The tvfmdx list was just chock full of Mexican station loggings. DXers in Florida, Louisiana, Arkansas, Tennessee and even up in Nebraska, all got in on the action. You should be reading some of the reports soon, if not in this very issue. 700 mile tropo to Mexico from the coast must be exciting and the same goes for Florida to Texas tropo. Many of us northern folks have fun just reading the reports and dreaming.

Up until mid-April, Es has been quiet but there were reports of Es in the Northwest one day recently. With luck Es will begin to take off in May, beginning down south and eventually moving northward. This month's cover is specially designed to kick-start the 2006 E-skip season. We will see how well it works!

ONE DXER LESS

Many of us in the DX community were shocked and saddened to hear of the death of Morris Sorensen of Winnipeg. Morris died at the young age of 58 years. Morris was active in the WTFDA as well as in the other medium wave clubs. I wouldn't consider 58 to be old considering that I'm 59 myself, but the fact is that the average age of DXers keeps rising and when people get older, things happen, and the things that happen aren't always pleasant. We'll miss Morris and our condolences go out to his family.

MEMBERS AND MORE

Just a quick note that we already sold some copies of Bob Cooper's new book and the first few people should have their books mailed out around the first of May.

This month we have renewals from **Paul Crego** (NY), **Jacob Norlund** (MN), **Bill Draeb** (WI), **Jason Hudstedt** (NJ), **Frank Drobny** (CA), **Aaron Mitterling** (IN), **Carlton Howington** (FL), **Dave Nieman** (NY), **Luis Franceschi** (PR), **David Cox** (AL), **Joe Perge** (OH), **Tim Katlic** (NY), **Bill Dvorak**

(WI), **Pat Dyer** (TX), **JP Jones** (SC) for 5 big years, **Neil Griffin** (FL), **Andrew MacKenzie** (NY), **Dan Oetting** (MD), **Bill Grant** (MA), **Gray Fulk** (NC), **Allan Dunn** (MA) and **Gary Hickerson** (OK). This takes in the period from 3/16 to 4/10. Thank you all for renewing and ordering the Bob Cooper book. The club makes \$2 on each sale, so go ahead and order!

Bob Seaman talks about the analog shutoff: "Apparently with all of the UHF stations on the air (analog, digital & low power) we are all going to need either parabolics or some other type of highly directional arrays. I'm not so sure that Feb. 2009 will be the end of the analogs. I am seeing that the public is now starting to realize that their existing analog sets will no longer be able to receive TV signals over the air. Most are not too happy about that. If it is like most other things that the government does, they may have to push back the cut off date when they start to get complaints. I guess we will find out in a couple of years.

Luckily I have a new CM 7 ft dish and I was able to pick up a good used one also. I am also watching a couple of older ones that are up in my area. Back in the early to mid 80's the local cable had to take off 17, 29 & 48 from Philadelphia due to FCC regulation changes. People were not happy and those who lived in the areas where they could get them over the air installed 7 ft dishes to get these stations. At that time they carried a lot of sports on those UHF channels: college basketball, Phillies, Flyers & Sixers.

JVC HD CAR RADIO REVIEW

Glen Hale reviews a new JVC HD car radio:

I recently got a JVC KD-HDR1 car radio to check out IBOC and to get mp3 capability in the car. It's new on the market and has a built in HD tuner. It costs \$299 at Crutchfield. Here are some observations:

The unit's FM analog sensitivity is OK -- nothing spectacular, but not the worst car stereo I've used. I would say the sensitivity is better than the Blaupunkt, Clarion, Chevy stock, Hyundai stock and Kenwood stereos I've used, but not as good as the 2001 model Sony (later Sony models are much worse)

and Pioneer. Its selectivity is above average - about on par with the latest Pioneer units. You can pick out a first adjacent to a strong local without too much trouble. It has an auto IF feature that adjusts selectivity to reception conditions. You can turn this off as well.

AM analog sensitivity is good -- about on par with the Sony it replaced, which had the best AM reception I've ever had in the car. It also has some sort of filter that cuts ignition/power line noise significantly -- much better than anything I've ever used. AM selectivity is outstanding, the best I've seen with any car unit, but AM analog fidelity is not great.

OK...now for the HD stuff. FM HD, at least here in Indy, sounds great or offers no improvement at all over analog, depending upon the station. One local, WKLU, sounds phenomenal. WKLU truly sounds CD quality. I noticed no compression artifacts or other problems with this station. Some other stations obviously feed the HD signal with the same heavily compressed stuff that is on their analog. Those stations offer no improvement at all. On stations that have HD-2, I can hear some bit compression issues. The stations sound like an mp3, but not a terribly encoded mp3.

Signal-wise on FM...I noticed no dropout problems with the high-powered locals, but the lower-powered locals will drop out occasionally. The transition between the two is a problem with most stations. The HD signal runs about five seconds behind the analog. If we get a good FM Es opening, I bet the HD signals will be pretty DXable.

As for AM HD, talk radio sounds vastly better than analog AM, but there is considerable bit compression. I would equate WIBC-HD to a 64Kb mp3 stream. I was also able to get 700 WLW-HD in Indianapolis, with some dropout near power lines and overpasses. It sounds about the same as WIBC.

And here's a little bit more from **Craig Healy**: Check the iBiquity site. There's a fairly well hidden \$20 rebate you qualify for. It has to be there by April 30th. I also found a site that sells the radio for \$229. I got mine there and it was quick delivery..

I agree with your assessment of the rig's capabilities. It did benefit from a preamp on FM. This allowed me to pick up a selection of HD signals from Boston, including HD2 stuff. To be honest, the content available isn't worth buying a radio for. One station has maybe a dozen songs in rotation. Repeats about every 3/4 hour. Bah. WGBH-HD1 and HD2 are many db lower in level than the analog. Makes listening uncomfortable when it switches back and forth.

On AM it required an attenuator for the outside sloper. Since it's geared to work with a short whip, I'm not surprised. FM is fine. I

have two 50kw'ers a couple miles away and it doesn't flinch.

Selectivity is very good. I can listen to the 95.3 6kw station in Boston next to a local 20kw on 95.5 here in Providence.

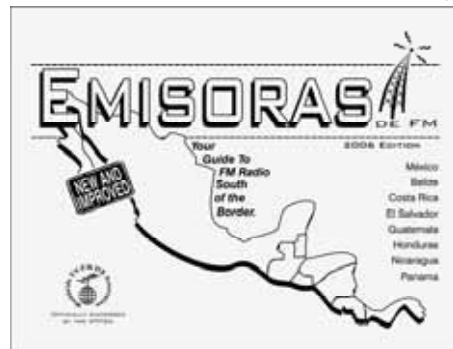
One thing I am trying is to lock it on a target frequency in digital mode. I then use a vox-operated MP3 recording program called AirCheck. If it decodes something, the thing records the audio for later listening. Unattended HD-DX. I'm not really expecting miracles in the very crowded Northeast, though. I've got to go through and identify some likely target frequencies to monitor.

Emisoras de FM

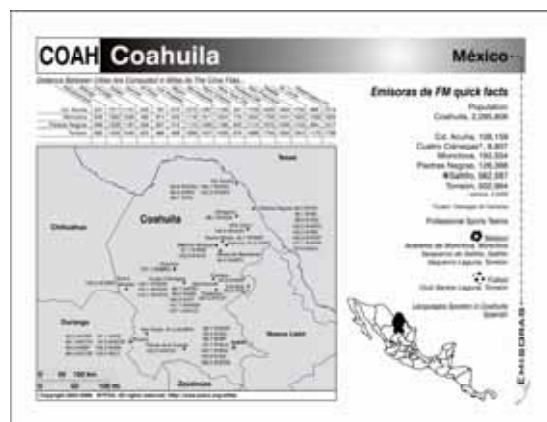
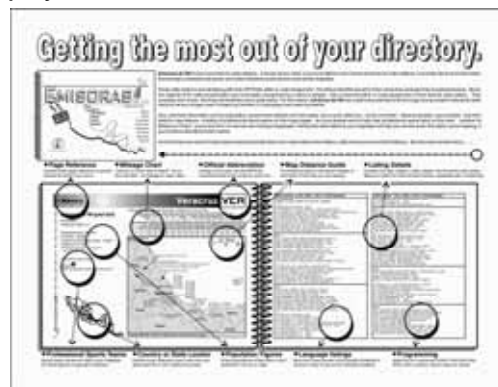
(<http://fmdx.usclargo.com/emisorasdefm>)

This is the name of Jim Thomas' new book that builds on the success of his *Mexican FM Station Guide*, but has been given a new name and updated to include Mexico and Central American FM stations. Included are complete listings for

Mexico, Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua and Panama.

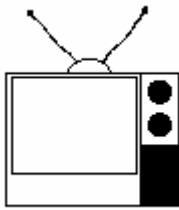


This publication is available from the WTFDA for the price of **\$16.50** (\$15.00 plus \$1.50 s&h). Make your check or money order payable to **WTFDA**.



Send your check or money order for **\$16.50** to **Keith McGinnis, 6 Ritter Rd., Hingham, MA 02043**

And that's all for this month! CU next month!



TV News

Douglas E. Smith
1389 Old Clarksville Pike
Pleasant View, TN
37146-8098
w9wi@w9wi.com

<http://www.w9wi.com>

May 2006

Abbreviations:

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

News:

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



Mexico:

Baja California Norte:

Tecate **49 XHDTV** **CC from XHUPN**



Puerto Rico:

Aquadilla 24 WSJX-LP CC from W24CU (sic)

Mayaguez 51 W51DJ NW 7kw, 18-13-46/67-06-37

Ponce 36 W36DB NW 3.82kw, 18-00-34/66-36-49



United States:

Alabama:

Birmingham 2 WBXA-CA PC>1.2kw

Birmingham **36 WABM-DT** **NW 885kw/406m, 33-29-04/86-48-25**

Dothan 23 W53CQ QR x 53, 150kw

Dothan 15 WUJF-LP QR x 59, 150kw; CC from W59DY

Gulf Shores 24 WGHA-LP QR x 29, 1.7kw, 30-26-37/87-14-03

Home-wood **28 WTTO-DTNW 765kw/**

Mobile	44 WWBH-LP	427m, 33-29-04/86-48-25 QR x 27, 1kw, 30-37-38/87-37-31
Moulton	46 W46CF	PR<12.18kw, 34-27-42/ 87-15-56; CL from Tuscumbia; QR to ch. 47, 14.6kw
Russellville	45 W45CW	QG from W59CF, 45kw
Scottsboro	27 W27CV	QC from W64BJ, 11.1kw

Alaska:

Anchorage 38 K38JG NS 20kw, 61-13-01/149-53-34

Douglas 13 K13OC PG>280w, 58-22-19/134-33-24

Fairbanks 6 K06OM NS 3kw, 64-55-15/147-42-34

Ketchikan 28, K28JF, 34, K34IK, 43, K43KA, 49 K49IY NS 150kw, 55-20-22/131-38-12 (all 4 channels)

Lemon 4 K10LS QR x 10

Arizona:

Bullhead City 7 K07YJ NS 60w, 35-12-46/114-33-18

Bullhead City	51 K51IO	QG from K61HA, 9.99kw		
Cane Beds	6 K06OB	NW 90w, 36-54-11/ 113-51-08 (KUEN-9 via K51GH)	California: Bakersfield	39 KABE-LP QG x 52, 60kw, 35-27-14/ 118-35-37
Casas Adobes	20 K20IL	QG from K64BV, 9.9kw, 32-17-23/ 111-01-06	Bakersfield	41 K41JN PR>150kw, 35-19-12/ 118-47-22
Concho	10, KWKM-, 12 KWSJ-LP	PR>3kw, increase antenna height 15m (both channels)	Bakersfield	47 KEBK-LP CC from K47IA Bakersfield
Flagstaff	20 K20HS	PR>150kw, 34-58-07/ 111-30-25	53, K53IB, 59 K59IB	PR<1kw, 35-19-12/ 118-47-22; PG; PR<9kw (53) /8kw (59), 35-27-14/ 118-35-37 dismissed ROA
Flagstaff Flagstaff	32 KCFG-DT req. DA 51 KWTF-LP	PR>150kw, 35-12-01/ 112-12-13	Banning	6 KRPE-LP QR x 55, 1kw, 33-49-49/ 116-57-11
Flagstaff	53 K53JA	NS 150kw, 35-26-34/ 110-58-40; competing app dismissed	Banning	69 K69JA NS 9.97kw, 34-03-46/ 116-53-34
Fortuna	39 KBFY-LP	QG x 41, 8kw, 32-40-12/ 114-27-37	Barstow	36 K16GE QR x 16, 100kw, 34-36-44/ 117-17-29
Globe	30 K30ES	PR>31.8kw, 33-31-14/ 111-11-28	Big Bear Lake	35 K40HY QR x 40, 10kw
Globe-Miami	48 K61FB	QR x 61, 2.07kw, 33-20-31/ 110-52-13	Big Bear Lake	38 K40IM QR x 40, 87kw
Holbrook Holbrook	8 K08NY 11 KDTP	req. to drop DA QG x 39, 1.6kw/ 54m, 34-55-05/ 110-08-25; CL from Phoenix	Bishop	30 K30IZ NS 1kw, 37-21-47/ 118-24-26
Parker	49 K49IM	NS 50kw, 34-18-42/ 114-09-59	Chico	6 K32GM QR x 32, 500w, 39-48-42/ 121-33-30
Phoenix	44 KPHE-LP	QC x 19, 10kw, 33-20-01/ 112-03-44; PR>150kw	Chico	17 KXVU-LP PC>40kw, 39-57-49/ 121-42-38
Phoenix	39 KPHZ	QG x 11, 1070kw/ 491m, 33-20-01/ 112-03-45; CL from Holbrook	Chico	35 K57JJ QR x 57, 71.3kw, 39-57-30/ 121-42-48
Prescott	43 K43JZ	QG from K55DB, 1.17kw	Chico	38 K59IG QR x 59, 100kw, 39-48-42/ 121-33-30
Tucson Williams- Ashfork	51 KWTA-LP 41 K41JE	QR x 31, 60kw NS 1kw, 35-12-01/ 112-12-15 (KTVK-3)	Chico	42 K42HJ NS 110kw, 39-44-00/ 121-47-10
Arkansas: El Dorado Fort Smith Hot Springs	32 K55JY 28 K66FM 18 KTVV-LP	QR x 55, 150kw QR x 66, 50kw QR x 49, 150kw, 34-33-56/ 93-05-03	Chico	43 KHSL-DT NW 129kw/ 388m, 39-57-29/ 121-42-49
Newport	45 K45IZ	NS 30kw, 35-36-20/ 91-17-00	Chico	48 K48KB NS 5kw, 39-43-15/ 122-20-14
			Chico	57 K57JJ PR>95kw
			Cloverdale	40 K40IB PR>4kw, 38-48-34/ 123-02-56
			Coalinga	27 KJKZ-LP PC>150kw; XR 36-44-45/ 119-16-57
			Eagleville	13 K13IU XC 41-38-13/ 120-05-29; drops antenna 245m
			Eureka	9 KEMY-LP QG from K17EH, 3kw, 40-43-36/ 123-58-27; was briefly K09YA
			Eureka	24 K24HE QG from K67GU, 24.2kw, 40-43-

		36/ 123-58-27, but rescinded			107-54-58
Fort Dick	36 K36HM	QC x 28		Grand Junction	20 KKHD-LP CC from K20IN; PR>20.4kw
Fresno	3 K03HK	PC>900w		Montrose	36 K36HJ QC from K07IU, 1.3kw, 38-20-21/ 107-38-22; PR>75kw, 38-18-57/ 108-11-47
Hemet	21 KDUG-LP	QG x 51			
Los Angeles	43 KCAL-DT	PG>495kw/ 951m			
Morongo Valley	36 K67BH	QC x 67, 1.08kw		Redstone	18 K18GD granted antenna height increase of 17m
Needles	39 K39II	NS 750w, 34-37-38/ 114-38-21		Rifle	34 K57CR QR x 57, 3.88kw
Palm Desert	9 K09XW	XR 33-52-15/ 116-13-37		Romeo	47 K47KC NS 8.3kw, 36-51-34/ 106-01-03
Palm Springs	20 K20HZ	PR>2.5kw, 33-52-03/ 116-25-58; from zero offset to plus		Steamboat Springs	14 K14MO NS 5kw, 40-27-43/ 106-50-57
Palm Springs	8 KSPP-LP	QG x 29, 460w, 33-50-06/ 116-48-40		Wray	31 K31IH QG from K54HL
Paso Robles	23 K23ED	PR>13.4kw, 35-57-08/ 121-00-06; CL from Templeton		Connecticut:	
Prineville	36 K66AZ	QR x 66, 50kw, 44-26-17/ 120-57-14		Hartford	3 WFSB PC<271m
Rancho Palos Verdes	51 KXLA-DT	NW 1000kw/ 937m		Hartford	28 WFXQ- CA CC from WXCW- CA, and before that W11BJ; PC<5kw, 42-15-05/ 72-38-43
Redding	5 KRDN-LP	PR>1.5kw, 40-25-09/ 122-16-56		Hartford	50 WRDM- LP QC x 44, 50kw, 41-47-48/ 72-47-52
Redding	6 K42GE	QR x 42, 1.5kw		Delaware:	
Redding	58 KKDJ-LP	CC from K58IF		Georgetown	69 W69EP NS 15kw, 38-41-32/ 75-23-17
Salinas	38 K56AA	QR x 56, 114kw		Rehoboth	51 W51EB NS 1kw, 38-42-52/ 75-06-01
Sanger	36 KFRE-DT	PR 360kw/ 607m		Florida:	
Simi Valley	55 K55KD	PC<9.98kw, 34- 14-38/ 118-40-23; XR 34-13-36/ 118-03-57		Dunnellon	27 W27CW NS 30kw, 29-05-51/ 82-38-06 (Daystar)
Stockton	28 KMMW- LP	QR x 23, 150kw, 38-07-10/ 120-43-27		Fort Pierce	8 WFPI-LP PG>3kw, 27-26-06/ 80-21-03
Ukiah	44 KTJH-LP	CC from K44HI		Jacksonville	27 WWRJ- LP PR>130kw, 30-16-51/ 81-34-12
Visalia	49 KNXT-TV	CC from KDFE- TV		Jacksonville	35 W54CS QR x 54, 25kw
Yreka	49 K49IG	PG<1.98kw		Key West	22 WSBS-TV CC from WDLP- TV
Colorado:				Key West	25 W25DQ QG from W05CL, 5.63kw, 24-35-44/ 81-39-37
Aspen	41 K41JH	NS 1.21kw, 39-13-33/ 106-50-00		Key West	41 WGAY-LP QR x 69, 10kw, 24-34-20/ 81-44-25
Aspen	50 K50IN	PG<60w, 39-18-37/ 106-56-53		Key West	51 WGZT-LP QR x 27, 10kw, 24-34-20/ 81-44-25
Brecken- ridge	26 K26GY	PR<100w, 39-36-50/ 106-04-02		Lakeland	31 WLWA- LP PR>9kw, 28-00-10/ 81-45-25
Broadmoor	41 K41JO	QG from K59BZ		Lealman	43 W43CE PR>150kw
Colorado Springs	24 KRDO-DT	NW 200kw/ 675m		Live Oak	26 W26CZ XR 29-37-46/
Crested Butte	50 K50JH	NS 5kw, 38-54-08/ 106-58-24			
Durango	38 K38JD	NS 1kw, 37-15-46/			

Marathon	35 W63AL	82-34-25; drop DA QR x 63, 150kw, 24-46-02/ 80-56-42	Tifton	62 W62DE	81-07-21 PR>190w
Melbourne	47 W47DA	QG from W46DB, 25kw	Willacoochee	41 WWPDL LP	PR<3kw, 31-31-51/ 82-54-34
Miami	49 W49CL	QC from W54BB, 75kw, 25-59- 09/80-11-37	Hawaii:		
Naples	16 W56DW	DR 5kw	Hilo	38 WDCN- LP	CC from K38HZ
Orient City	15 W15CM	PR>70kw, 27-59-36/ 82-24-47	Kaneohe	41 KPXO-DT	PR<34kw
Palm Beach	61 WFGC	CX; to become DTV-only on ch. 49	Kauai	47 K47KB	NS 50kw, 21-55-58/ 159-26-33
Panama City	10 W36BU	QC x 36, 3kw, 30-19-41/ 85-41-22	Wailuku	49 K49IV	NS 150kw, 20-39-36/ 156-21-50
Panama City	39 WPAF-LP	QR x 2, 75kw, 30-10-44/ 85-46-55	Idaho:		
Panama City	40 W40BU	XG 30-19-41/ 85-41-22; NW	Boise	16 KKIC-LP	FC to test pattern...
Port St. Lucie	40 WSLF-LP	QR x 44	Boise	18 KCLP-CA	QC x 38, 60kw
Rock Harbor	64 W64AN	PR>35kw, 25-32-24/ 80-28-07	Bonnors	32 K32HA	QG from K67DI, 1.1kw, 48-36-37/ 116-15-24
St. Petersburg	5 WMOR- LP	QG x 63, 3kw, 27-50-45/ 82-46-21	Ferry		
Tallahassee	35 W35BN	PR>87kw	Burley	26 K61AP	QR x 61, 4.25kw
Trenton	45 W45CS	NS 1kw, 29-37-05/ 82-49-45	Hailey	48 K48JV	NS 10kw, 43-30-36/ 114-18-18
Union Park	13 WSWF- LP	PR>3kw	Idaho Falls	33 K33IK	NS 150kw, 43-49-36/ 112-11-45
Venice	14 W14DB	QG from W56CN, 50kw, 27-07-58/ 82-23-41	Leadore	26 K61CI	QR x 61, 900w
West Palm Beach	41 WBPB-LP	QC x 47, 50kw, 26-31-20/ 80-10-09	Malad City	17, K17HJ, 25, K25IP, 19, K19GF, 21, K21HV, 29, K29HA, 27 K27IN	QG from K54AS, K48EA, K50DH, K52CO, K58AR, K46IM, 1.6kw except ch. 25 which is 1.8kw
West Palm Beach	57 WBWP- LP	PC>40kw	Pocatello	39 K61FO	QR x 61, 230w
Georgia:			Sun Valley	48 K48JW	NS 10kw, 43-40-59/ 114-20-51
Athens	50 W42AO	QR x 42, 5kw	Illinois:		
Atlanta	26 WANX-LP	FC Almaxision	Chana	46 WBKM- LP	XR 41-44-09/ 90-09-35
Columbus	50 W33CK	QR x 33, 150kw	Olney	19 WUSI-DT	PR<46kw
Columbus	33 W33CN	NS 10kw, 32-31-52/ 85-01-37	Peoria	30 WMBD- DT	PR 800kw/ 193m
Columbus	15 WRBL- DT	PR>507m, 32-19-16/ 84-47-28	Peoria	39 WAOE- DT	PR<39kw/ 190m, 40-37-46/ 89-32-53
Columbus	16 WYBU- CA	CC from WCGT- LP	Rockford	33 WCWW- LP	CC from WFBN- LP
Macon	31 WDMA- CA	QC x 18, 32kw, 32-50-31/ 83-40-19	Indiana:		
Macon	64 WGNM	CX; to become DTV-only on ch. 45	Indianapolis	19 WDNI-LP	QR x 65, 150kw, 39-48-01/ 86-04-39
Pearson	3 WPNG- LP	PR>3kw	South Bend	69 WMYS- LP	CC from WMYT-
Savannah	43 W43CK	QC from W57CT, 36.5kw	Sullivan	18 WHFE-LP	XR 39-30-14/ 87-26-37
Savannah	46 WXSX- CA	PR>133kw, 32-02-42/	Sullivan	32 WKMF-LP	PR>150kw, 39-07-12/ 87-24-36; CL from Fairbanks

Sullivan	54 WVGO-LP	PR>150kw, 39-13-52/87-34-15	LP	dismissed (going for ch. 8 instead)
Westville	49 W04CQ	PR>87kw; CL fm Chesterton	Ocean City 51 W51EA	PR>10kw, 38-25-20/78-08-23
Iowa:			Salisbury 6 W06CF	NS 500w, 38-23-12/75-17-26
Decorah	16 K14AF	QR x 14, 126kw, 43-19-30/91-46-00	Salisbury 23 W23DF	NS 15kw, 38-21-36/75-37-08
Emmettsburg	48 K48JU	NS 5kw, 43-06-42/94-40-38	Michigan:	
Estherville	48 K48JZ	NS 5kw, 43-22-46/94-49-55 (KPTH-44)	Escanaba 5 W05CR	NS 100w, 45-58-19/86-16-42
Rock Rapids	25 K25AA	PR>126kw, 43-22-36/96-11-46	Jackson	34 WHTV-DT PR>11.5kw/283m, 42-41-19/84-22-35
Sibley	33 K33AB	PR>126kw	Muskegon 38 WMKG-LP	QC x 40, 33.8kw
Storm Lake	57 KCWL-LP	CC from K57JL	Traverse City 19 W36BZ	PR<10w
Waterloo	7 KWWL	XG 42-24-02/91-50-36		
Kansas:			Minnesota:	
Manhattan	32 K32HB	NS 4kw, 39-08-40/96-31-00	Grand Rapids 41 K41JK	NS 20kw, 47-10-40/93-24-22 (3Abn)
Salina	41 KSKV-LP	PR>150kw, 38-39-58/97-41-30	Hibbing 45 K45JE	NS 35kw, 47-24-51/92-56-08 (3Abn)
Wichita	33 KSCW	CC from KWCV	Intl. Falls 44 K44IF	NS 100w, 48-35-29/93-24-23
Louisiana:			Intl. Falls 45 K45JD	NS 8.83kw, 48-34-23/93-19-21 (KQDS-11)
Alex-andria	25 KLPA-TV	PC<1690kw/413m	Little Falls 15 K69DA	QR x 69, 1.67kw, 45-52-58/94-27-01
Alexandria	27 KWCE-LP	XG 31-18-24/92-24-12	Minne-apolis	22 KMWB-DT NW 1000kw/410m, 45-03-44/93-08-21
Bastrop	4 K04QL	NS 250w, 32-46-58/91-56-16	Minneapolis 43 K67HG	PR<54.8kw
Baton Rouge	7 K07WE	PG>3kw, 30-26-59/91-07-55	Minne-apolis	44 KSTC-DT PR<205kw
Jena	22 NEW-LP	AF dismissed	Rochester	36 KTTC-DT PR<324kw
Lake Charles	22 K22GT	NW 9kw, 30-05-54/93-28-32		
New Iberia	19 K49DE	QC x 49, 49.8kw, 30-01-51/91-48-48	Mississippi:	
New Orleans	47 K66FW	PR <72.8kw	Hattiesburg 35 W35CF	NS 1kw, 31-21-20/89-13-27
West Monroe	4 NEW-LP	AF dismissed	Hattiesburg 68 W68DY	NS 2kw, 31-15-07/89-20-23
Winnfield	22 K22HP	NS 1kw, 31-52-45/92-35-03	Holly Springs	41 WBUY-DT NW 500kw/122m
Maine:			Houston	45 WKDH PR<1kw
Bangor	31 W31CX	NS 5kw, 44-40-38/68-45-14	Jackson 10 WBMS-CA	XC 32-12-47/90-22-54
Bangor	49 W49CT	NS 5kw, 44-51-09/68-47-06	Jackson	40 WDBD FC (back) to Fox
Blue Hill	49 W49CU	NS 10kw, 44-26-04/68-35-25	Jackson 19 WJMF-LP	QR x 45, 150kw
Maryland:			Meridan (sic) 42 W42DD	NS 10kw, 32-19-30/88-41-16
Lake Shore	25 WQAW-	QR x 69	Natchez 30 W30CC	NW 50kw, 31-35-05/91-23-18
			Starkville 47 W47DB	NS 1kw, 33-27-06/

Vicksburg 35 WUFX 88-50-46
FC to WB, then to MyNet

Missouri:

Ashbury 65 KJOM-LP QR x 24, 150kw,
 37-07-58/
 94-41-38
 Aurora 40 KNJE-LP QR x 58
 Danville 48 K48JB PR>150kw
 Joplin 35 KJPX-LP QR x 47, 50kw,
 37-03-08/
 94-23-20

Kansas City 18 KCPT-DT PC>55kw

Kansas City 45 K45IO PC>104kw

Montana:

Big Timber 39 K69CM QR x 69
 Billings 27 K27IM NS 14kw,
 45-46-04/
 108-27-25
 (KHMT-4?);
 competing app
 dismissed
 Blacktail 32 K67CZ QR x 67, 720w,
 48-00-37/
 114-21-46;
 dismissed ROA
 Bozeman 15 K56IM QR x 56, 150kw
 Bozeman 40 KJCX-LP PR>10kw,
 45-41-54/
 111-01-41
 Castle Rock 29 K64EM QR x 64
 Colstrip 58 K58IH NW 31.9kw,
 45-50-20/
 106-54-17
 (KHMT-4)
 Missoula 33 K33IN NS 5kw,
 47-01-06/
 114-00-41
 Poplar 50 K50GU NW 820w,
 48-17-28/
 105-15-09 (//
 unID-8)

Nebraska:

Neligh 40 K40HB QC from K39AL,
 4.6kw
 Norfolk 60 KCWH-LPCC from K60GO
 Norfolk 62 KCWP-LPCC from K62FZ
 North Platte 40 KCWZ-LP CC from K40IF
 North Platte 50 K50JI NS 5kw,
 41-09-14/
 100-46-22
 Omaha 34 KAZO-LP QG x 57, 50kw
 South Sioux City 60 KCWK-LP CC from K60GS
 Verdigre 10 K10JW XC 42-35-55/
 98-02-30

Nevada:

Elko 19 K19GE NS 1w,
 40-48-42/
 115-41-58
 Glendale 44 K62DZ QC x 62, 400w,
 36-40-54/
 114-31-21
 Indian Springs 7 K07JC XR 36-35-39/
 115-37-52
 Overton 46, K64CQ, QC from chs. 64,
 48, K54CJ, 54, 66; 400w (all

Panaca 50 K66CB channels)
 41 K07CM QR x 7, 3.8kw

New Hampshire:

Charles-town 47 WVBQ-LPNW 140w,
 43-24-12/
 72-25-42

New Jersey:

**Secaucus 9 WWOR-TV NS 104.4kw/
 223m,
 40-51-53/
 74-12-03 (aux)**

New Mexico:

Alamogordo 36 KCWI-LP CC from K36CK
 Aztec 22 K08FR QR x 8, 1.1kw
 Clovis 29 K29HB NS 9.9kw,
 34-26-25/
 103-12-37
 Clovis 51 K51DX PR>18kw,
 34-15-08/
 103-14-20
 Conchas Dam 18 K18HR QG from K02OE,
 120w
 Deming 19 K55BT QR x 55, 250w
 Espanola 22 K44HO QR x 44, 1.92kw,
 35-53-14/
 106-23-52
 Farmington 27 K27GJ PR<10.4kw,
 36-40-17/
 108-13-53
 Gallup 67 K67BP FC; sold to
 KOAT-7
 Grants 44 K44IC NS 5kw,
 35-07-55/
 107-53-15
 Hobbs 45 K45JA NS 200w,
 32-23-46/
 103-08-53
 Las Cruces 20 KCWF-CA CC from K20GL
 Las Cruces & Organ 33 K57BV QR x 57, 4kw
 Lordsburg 31 K31HQ NW 620w,
 32-34-57/
 108-25-26
 (KASA-2)
 Pensaco 44 K44CZ PR>210w,
 36-14-06/
 105-43-33
 Pie Town 31 K31FX PR>3.54kw
 Silver City 2 KCWO-CA CC from K02ES
 Truth or Consequences 14 K14MM NS 5kw,
 33-17-06/
 107-17-24

New York:

**Binghamton 7 WBNG-DT NW 20.4kw/
 342m**
**Binghamton 8 WICZ-DT NW 7.9kw/
 371m**
 Corning 39 WJKP-LP CC from W39CP
 Corning 41 W41DB NS 7kw,
 42-08-31/
 77-04-40
 Elmira 6 W06CD NW 250w,
 42-03-49/
 76-51-10
 Moravia 32 WNNY-LPQR x 52, 7.5kw

New York	5 WNYW	NS 49.8kw/ 218m, 40-51-53/ 74-12-03 (aux)	Astoria	5 K05LE	NW 2.5kw, 46-17-10/ 123-53-50
North Pole	14 WPTZ-DT	PR>845m, 44-31-32/ 72-48-58	Astoria	50 K50JF	NS 20kw, 46-17-10/ 123-53-50 (TBN)
Port Jervis	20, W20CM, 26, W26DB, 34, W34DI, 46, W46DQ, 52, W52DW, 55 W55DK	PR>800w (20) / 10kw (26, 52) / 5kw (34 46 55)	Bend	7 K07YM	QG from K11SE
Syracuse	6 WMBO- LP	QR x 60, 300w, 43-03-30/ 76-10-00 to move in with WONO- CA 11	Bend	28 K28JE	NS 2kw, 44-02-48/ 121-31-54
North Carolina:			Bend	41 KBND-LP	PR>8.9kw
Charlotte	25 WDMC- LP	CC from W25BR	Bend	51 K51IY	NS 1kw, 43-58-55/ 121-20-02
North Dakota:			Coos Bay Cottage Grove	14 K63DO 22, K22HO, 42, K42HK, 40, K40IS, 46, K46IP, 20, K20IR, 48 K48KC	QR x 63, 40kw QG fm K69AV, K56DK, K54CL, K58CT, K52CV, K60DO, 1kw
Bismarck	39 K39IF	NS 25kw, 46-49-38/ 100-46-27	Eola	52 KWVT-LP	XR 44-54-38/ 122-38-14
Devils Lake	25 KMDE-DTNW	134kw/ 245m, 48-03-48/ 99-20-09	Eugene	19 K57EL	QR x 57, 10kw
Fargo	21 WDAY- DT	PR<322m	Florence	32, K32HF, 35, K35HW, 40, K40IT, 43 K43JY	QG fm K54DG, K56DL, K58CW, K60DQ, 15kw, 43-57-26/ 124-04-26
Williston	14 KXMD-DTNW	50kw/ 257m, 48-08-30/ 103-53-34	Grants Pass	50 K50FW	PR>2.81kw, 42-24-43/ 123-16-54
Ohio:			Klamath Falls	41 K41ID	PR<8.28kw, 42-05-50/ 121-37-59
Dayton	22 W66AQ	QR x 66, 54kw, 39-43-15/ 84-15-39	Klamath Falls	29 KDKF-DT	PG<4.87kw, drop DA
Lima	23 W23DE	QG from W61CZ, 20kw	Klamath Falls	33 KFTS-DT	NW 9.6kw/ 649m
Mansfield	47 W47AB	XC 40-42-32/ 82-29-12	La Pine	2, K02JL, 4, K04BJ, 13 K13JF	XR 43-39-00/ 121-25-44; PR>200w on chs. 4 & 13
Toledo	22 W22CO	QG x 68, 9kw, 41-38-49/ 83-36-18	LaPine	9 K11GQ	QR x 11, 200w, 43-39-00/ 121-25-44
Oklahoma:			London Springs	27, K27IO, 43, K43JX, 35, K35HV, 33 K33IL	QG from K53FJ, K59FS, K55HE, K57GW
Claremore	36 KRSC-DT	PR<144kw/ 255m	Madras	9 K66BC	QR x 66, 3kw, 44-26-17/ 120-57-14
Claremore	35 KRSC-TV	PR<2550kw/ 255m, 36-24-03/ 95-36-30	Medford	14 KMCW- LP	CC from K14LG
Guymon	48 K53BE	QR x 53, 6.6kw	Medford	27 KMVU-DTNW	10.3kw/ 425m
Lawton	23 K64GJ	QR x 64, 150kw	Medford	41 K41IX	QC from K57EK, 12.1kw
Miami	48 KELF-LP	PC>98.4kw, 36- 52-50/ 94-59-26	Midland Riley	36 K62BE 19 K19GC	QR x 62, 70kw PC>125kw, 43-47-29/ 120-56-48; PR<50kw, 44-26-17/ 120-57-14
Oklahoma City	14 KTBO-TV	PG>358m	Tri City	22 K19AD	QC x 19, 13kw
Oklahoma City	41 KXOC-LP	QC x 54, 48.8kw, 35-35-52/ 97-29-22	Pennsylvania:		
Tahlequah	30 K30IX	QC from K52GX, 10kw	Erie	18 W18DH	NS 15kw, 42-06-
Oregon:					

Erie	38 W48CH	40/79-58-39 (3Abn) DR x 48, 15kw, 42-02-16/80-03-44	19-10/ 97-48-06 NS 400w, 30-06-50/ 94-01-44
Erie	51, W51EC, 62 W62DK	NS 3kw (ch. 51)/4kw (ch. 62), 42-04-47/79-57-02	Beaumont 58, NEW-LP AF dismissed (2 59 apps on 58)
Jeannette	29 WPCW	CC fm WNPA	Canyon 46 K46IQ NS 150kw, 34-58-58/ 101-56-05
South Carolina:			Cooper 49 K49II PR<10kw, 33-37-15/ 95-32-50
Johnston	46 W56EE	QR x 56, 15kw	Corpus Christi 34 KYDF-LP PR>14kw
South Dakota:			Corpus Christi 36 KCCZ-LP QG x 61
Aberdeen	43 K43JW	NS 5kw, 45-28-09/ 98-29-20	Corpus Christi 54 K54JS NS 4kw, 27-47-26/ 97-27-01
Pierre	21 KTSD-DT	PC>113kw, 43-57-55/ 99-35-56; drop DA	Corpus Christi 59, K59IK, NS 8kw/4kw, 69 K69JB 27-47-26/ 97-27-01
Rapid City	16 KCLO-DTNW	150kw/ 154m	Denison 59 K59IM NS 40kw, 33-51-57/ 96-30-47
Tennessee:			Denton 7 KBFW-LP QR x 69, 2.5kw, 33-10-43/ 97-05-11; CL from Gainesville
Carthage	6 WKRP-LP	QG x 25, 2kw, 36-08-35/ 85-54-35	Eagle Pass 13 KEAP-LP QR x 3, 3kw El Paso 17 KVIA-DT NW 263kw/ 577m, 31-48-19/ 106-28-59
Cookeville	49 W49CQ	QC from W57CZ, 42.5kw	Forbes-Jasper Co. 59 K59IL NS 20kw, 30-30-30/ 94-03-30
Ducktown	22 W22CZ	PR>150kw, 35-02-18/ 84-27-13; CL from Blue Ridge, Ga.	Fredericksburg 2 KCWX CC from KBEJ
Jackson	43 WBBJ-DTNW	920kw/ 303m	Fredericksburg 44 KHPF-CA DR 40w
Knoxville	40 W56CM	QR x 56, 50kw, 35-59-44/ 83-57-23	George West 35 K35HX NS 25kw, 28-20-06/ 98-07-14
Memphis	23 WJRJ-CA	QG x 59, 110kw, 35-06-44/ 89-53-31	Longview 36 KLGV-LP QR x 10, 10kw, 32-26-56/ 94-43-35
Selmer	6 W06AW	FC; sold to Unity Bcstg.	Louise 50 K50HN NW 150kw, 29-12-07/ 96-14-57 (Daystar)
Texas:			Lubbock 24 K24GX NS 50kw, 33-25-02/ 101-50-52 (Daystar); QR to ch. 18, 87kw
Abilene	38 K38JE	NS 10kw, 32-25-03/ 99-58-15; competing app dismissed	Lufkin 5 KLUF-LP PR>3kw, 31-21-55/ 94-45-59
Abilene	48 WIRP-LP	NW 5kw, 32-25-04/ 99-58-16	Lufkin 11 KTRE-DT NW 10kw/ 204m
Alice	34 K34GV	NW 10kw, 27-43-28/ 98-08-43	Lufkin 13 KHTM-LP PR>3kw, 31-21-55/ 94-45-59
Amarillo	6 K06OK	NS 3kw, 35-12-25/ 101-50-18	Lufkin 14 KIBN-LP QR x 11, 10kw, 31-21-55/ 94-45-59
Amarillo	17 K17HI	NS 17kw, 35-14-30/ 101-48-43 (3Abn)	McAllen 28 KJST-LP PR>114kw (instead of going to ch. 42)
Amarillo	48 K59HG	QR x 59, 100kw	
Amarillo	64 K64GK	NW 36kw, 35-15-41/ 101-52-52 (Multimedios)	
Austin	32 KGBS-CA	PR>88.5kw, 30-	

Odessa	30 KWWT	CC from KPXK	Park City	23 KBTU-LP	NW 95kw, 40-39-09/ 112-12-05; CC from K23GP
Paris	27 K27GR	PR 15kw			
Plainview	31 K31IK	NS 10kw, 34-12-55/ 101-52-59	Price	23, K23GW, 27 K27HU	NW 1.73kw, 39-36-38/ 110-48-47 (KBYU-11; KJZZ-14)
Rio Grande City	6 KRGT-LP	PR>1.25kw	Scipio	41, K41IG, 43 K43JN	NW 160w, 39-11-54/ 112-08-33 (KUWB-30 via K29FY; KCSG-4 via unID-18)
San Angelo	45 K45HW	NW 980w, 31-28-10/ 100-27-06 (Multimedios)	Scofield	27 K27HV	NW 1.73kw, 39-42-40/ 111-09-20 (KJZZ- 14)
San Saba	41 K41HX	NW 45kw, 31-11-26/ 98-42-55	St. George	38 K38JL	QG from K69CT, 470w
Truby	25 WDYA-LP	CC from K45IG; QR x 45	Vernal	45 NEW	AF reinstated 5kw, 40-27-25/ 107-31-40
Uvalde	7 KNHB-LP	PR>3kw	Wendover	15 K15GZ	QG from K57BE, 130w
Uvalde	17, K61FM	QC x 61, 65, 72, 1kw, 29-15-41/ 99-44-54	Wendover	17 K55GF	QR x 55
Uvalde	47 K69FC	QC x 69, 9.99kw, 29-22-08/ 99-20-58	Virginia:		
Victoria	38 K38IG	PR>9.99kw, 28- 49-58/ 97-06-53	Charlottes- ville	14 W14CY	PR>30kw, 38-12-57/ 78-22-01
Wichita Falls	14 KUWF-LP	NW 13.7kw, 33-52-48/ 98-35-18 on ch. 68; QR 150kw on ch. 14	Grundy	23 WJDG-LP	XR 37-01-33/ 81-10-51
Wichita Falls	40 K40HZ	PR>20kw, 33-53-23/ 98-33-30	Keysville	45 WKYV-LP	XR 37-30-14/ 77-41-51 dismissed; XG 37-30-52/ 77-30-28
Woodville	45 K45IW	NS 5kw, 30-46-44/ 94-23-37	Portsmouth	14 W56CS	PR<65.5kw
Utah:			Richmond	54 WWBT- DT	PC>1000kw
Delta	49 K49HA	NW 2.6kw, 39-21-15/ 112-20-30 (KUWB-30 via K29FY)	Roanoke	44 W44CL	QC from W34CU, 84kw
Helper	31, K31HL, 33, K33HS, 36 K36HE	NW 1.73kw, 39-41-06/ 110-50-29 (KBYU-11, KSTU-13, KJZZ- 14 respectively)	Tazewell	21 WJDW- LP	PR>150kw
Huntsville	32 K32HD	QG from K52CS, 400w, 41-20-20/ 111-48-56	Virginia Beach	21 WHRE	NW 5000kw/ 310m, 36-48-31/ 76-30-12 (TBN)
Moab	33 K33IJ	NS 5kw, 38-23-25/ 109-26-02	Washington:		
Montezuma Creek	13 K13YC	NW 50w, 37-15-37/ 109-17-23 (KBYU-11 via unID-38)	Bellevue	32 KWPX- DT	NW 175kw/ 716m, 47-30-17/ 121-58-03
Navajo Mountain School	4, 7K04PP, K07XU	NW 50w, 37-01-16/ 110-45-58 (KTVX-4 via K44AG & KUED- 7 via unID-40)	Bellingham	65 K65HP	NS 30kw, 48-40-45/ 122-50-31
Ogden	41 K41JJ	QG from K56GR, 23.3kw	Bremerton	26 K26IC	QG from K54AO, 2.2kw
			Clarkston	42 KVBI-LP	PR>3200kw (presumed typo!)
			Grays River	31, K59BX, 41 K65BU	QR 1.9kw, 46-27-40/ 123-32-58 from chs. 59/65
			Hoquiam	47 K47KF	NS 20kw, 47-06-35/ 124-07-35

Prosser	10 K10NQ	(Daystar) PR>1.1kw, 46-11-12/ 119-45-13
Seattle	40 K40IP	QG from K68DL, 16.6kw
Spokane	11 KUUP-LP	PR>1kw

West Virginia:

Pendleton	43, W43CL, 45 W45CV	NS 250w/1kw,, 38-47-27/ 79-16-04
-----------	------------------------	--

Wisconsin:

Eagle River 28 WYOW- DT NW 70kw/ 144m

Thanks to Fritze Prentice, Frank Aden, Jeff Kitsko and John Johnson for information appearing elsewhere in this month's column.

An item in TVWeek suggests WTOV-17 Rockford, Ill. is going from ABC to MyNet. I strongly suspect they actually mean a DTV subchannel.

Best I can tell the W LPTV call assignments in Hawaii and Texas are not typos. A number of call changes came up this month with nonsense old calls. (for example, the listed original call for KCWH-LP was WEYY-FM...) I know they changed calls but I don't know what they changed from...

Not listed above are an enormous number of digital flash-cut applications from LPTV and Class A stations; here they are:

U.S. Virgin Is.

Charlotte Amalie	22 WMNS- LP	18-21-28/ 64-56-53, 5kw
Frederiksted	42 WEON- LP	17-41-50/ 64-52-58 x 60

Alabama:

Birmingham	11 WBMA-	x 58
Birmingham	31 W46DK	2kw, x 46
Dothan	41 W41BN	5kw, 31-13-43/ 85-21-06
Florence	50 W57BV	15kw
Huntsville	34 W67CO	10kw, x 67, 34-40-50/ 86-39-55
Opelika	18 W18CD	15kw
Scottsboro	27 W27CV	15kw

Alaska:

Girdwood	5 K05FW	*
Homer	7 K07PF	180w
Kenai	10 K10NC	240w
Kenai	12 K12LA	120w
Kenai River	4 K04DS	10w
Ninilchik	21 K21AM	*
Palmer	9 K09JE	10w

Arizona:

Bullhead City	25 K25HD	*
Bullhead City	51 K61HA	x 61
Cottonwood	40 K40AD	2.3kw
Flagstaff	35 K35FH	15kw
Flagstaff	50 K50HU	300w

Waupaca	36 W66DC	QR x 66, 16.3kw (DR on ch. 36 pending)
Wausau	29 WAOW- DT	PR<117kw
Wausau	40 WSAW- DT	PG<49.9kw/ 387m

Wyoming:

Casper	36 K36GT	PR>150kw, 42-44-37/ 106-18-31
Jackson	29 K59DY	QR x 59, 400w

Globe	27 K59CI	1kw, x 59
Lake Havasu City	25 K25AL	15kw
Lake Havasu City	27 K27EC	*
Lake Havasu City	36 K36DU	*
Many Farms	30 K30GL	530w
Prescott	30 K09KV	2.5kw x 9

Arkansas:

El Dorado	23 KLMB- LP	33-09-46/ 92-37-30
Fayetteville	41 K42BS	6kw, x 42
Green Forest	47 K54FH	7.5kw, 36-17-31/ 93-26-08 x 54
Little Rock	34 K34FH	15kw

California:

Anderson	38 K38FQ	15kw
Banning	33 K33HU	70w
Banning	45 K45IC	7.8kw
Banning	50 K69JA	5kw
Canby	8 K13IT	50w, 41-26-26/ 120-43-54 x 13
Chico	17 KXVU-	10kw
Chico	22 KZVU- LP	6kw, 39-57-45/ 121-42-40
Chico	27 KUCO-	15kw
Eureka	31 KEUV-	4kw
Eureka	33 KUVU-	4kw
Eureka	35 KEAZ- LP	40-43-39/ 123-58-17
Forest Falls	46 K29FX	5kw
Fresno	46 K56DZ	15kw
La Jolla	38 K67AM	x 67, 580w, 32-50-53/ 117-16-32
Modesto	44 K49EO	15kw
Newell-Tulelake	8 K13IV	20w, 41-51-17/ 121-19-42 x 13
Oroville	8 K08NH	15kw
Palermo	4 K04QC	15kw
Porterville	15 K15CO	15kw
Redding	21 KRVU-	6kw
Redding	46 K46HI	1kw
Redding	50 K50GP	15kw
Ridgecrest	3 K59AO	230w, 34-21-08/ 117-40-27

Ridgecrest	43	K43AG	*	Jupiter	11	WWJV-	x 53, 200w,
Sacramento	14	KMMK-	2.3kw			LP	26-56-20/
Sacramento	22	K22FR	10kw				80-07-02
Sacramento	45	K45HC	38-15-54/ 121-29-24	Lake City	23	W23AQ	10kw
				Largo	14	WPDS-	19.7kw
Santa Barbara	15	K15DB	15kw	Naples	16	W56DW	5kw
Susanville	29	KREN-	15kw	Panama City	34	W34DH	15kw
Yreka	19	K35DE	41-36-37/ 122-37-25 x 35	Port Charlotte	17	W17CK	15kw
				Sarasota	48	W48CN	5kw, 27-20-26/ 82-27-55
Colorado:				Sebring	51	W60CE	15kw
Alamosa	39	KENY-	*	Tallahassee	45	WVUP-	1.1kw
Anton	39	K57IL	440w x 57	Georgia:			
Bayfield	42	K42DI	280w	Albany	34	W34CZ	15kw
Coaldale	33	K59CL	x 59	Augusta	36	W58CZ	x 58
Cortez	6	K06JF	50w	Augusta	49	WBPI-	1.1kw
Cortez-Red Mesa	46	K46IE	1.1kw	Brunswick	33	W33AL	31-10-09/ 81-32-14
Crawford	34	K55DR	220w x 55				
Denver	42	K66FB	40-05-57/ 104-53-48 x 66	Carnesville	12	W52AA	x 52
				Cedartown	9	W65AD	100w x 65
Denver	44	K57BT	8kw, x 57; 39-23-06/ 105-02-49	Columbus	16	WCGT-	40w
				Draketown	12	W27AA	200w x 27
Denver	48	K48FW	40-05-57/ 104-53-48	Elberton	10	W60AE	200w x 60
Divide Creek	6	K06GW	39-33-56/ 107-31-57	Hartwell	11	W22AC	150w x 22
Durango	31	K31FV	400w	La Fayette	7	W35AA	x 35
Grand Junction	25	K25FZ	15kw	Marietta	49	W55BM	15kw
Grand Junction	27	KGJT-	19.4kw	Savannah	30	W57CT	32-02-42/ 81-07-21 x 57
		LP		Statesboro	48	W48BH	32-25-34/ 81-47-42
Grand Valley	28	K28HA	430w	Thomasville	29	W38CM	30-50-51/ 83-52-56 x 38
Ignacio	36	K52GA	170w, 37-11-03/ 107-29-06 x 52	Tifton	33	W33BX	15kw
				Toccoa	10	W68AF	200w x 68
Lake George	29	K58FY	200w x 58	Young Harris	12	W04BJ	x 4
Manitou Springs	7	K07PA	20w	Hawaii:			
Montrose	32	K32CW	2.5kw	Anahola	36	K63AZ	110w x 63
Nucla	13	K13SN	20w	Hakalau	50	K67BA	100w, 19-54-57/ 155-11-06 x 67
Ouray	9	K09PJ	20w				
Ouray	33	K61BR	100w x 61	Hanalei	29	K68BE	100w x 68
Pagosa Springs	43	K43GT	90w	Hilo	34	K34HC	15kw
Paonia	32	K58BV	100w x 58	Kaunakani	34	K63AI	100w x 63
Peetz	14	K14JZ	170w	Kilauea Military	41	K56BD	300w x 56
Ridgway	31	K64BL	190w x 64	Kilauea-Kauai	34	K62AQ	120w, 22-13-35/ 159-23-52 x 62
Romeo	31	K57CB	620w, 36-51-34/ 106-01-07 x 57				
Romeo	45	K45GD	200w	Lihue	30	K67AV	100w, 21-58-35/ 159-29-55 x 67
Rulison	32	K61BN	1.1kw x 61				
Salida	31	K53AR	1.2kw x 53	Naalehu	31	K63BB	200w, 19-02-48/ 155-34-59 x 63
San Luis Valley	35	K55CL	1.1kw x 55				
Silt	49	K49AH	1kw	South Point	35	K69CF	750w x 69
Sterling	31	K54GJ	400w, x 54	Waimea	28	K63DT	70w x 63
Trinidad-Valdez	15	K15GL	190w	Waipake	21	K66AY	110w, 22-11-10/ 159-20-10 x 66
Windsor	36	KZFC-	1.75kw	Idaho:			
Florida:				Boise	20	KITL-LP	15kw
Daytona Beach	50	WPXB-	x 57				
Gainesville	5	WLUF-	x 10, 29-42-34/ 82-23-40				
		LP					
Jacksonville	41	WPXJ-	15kw				

Coeur d'Alene 51 K53FF 10kw x 53
 Lewiston 15 K15CH 15kw
 Pocatello 41 K41JC 4kw
 Twin Falls 25 K25EV 15kw

Illinois:

Danville 31 W31BX 3.08kw
 Decatur 32 W29BG x 29
 Galesburg 51 W50BY x 50
 Palatine 40 W68DO 8kw
 Peoria 33 W50DD x 50
 Rockford 38 W25CL x 25,
 Sterling/Dixon 19 W52BI 5kw

Indiana:

Chesterton 40 W54BK x 54
 Fort Wayne 38 W43CF x 43
 Gary 18 W18AT 15kw
 Indianapolis 34 WIPX- 15kw
 Lafayette 51 W57DC 15kw
 Valparaiso 24 W24AW 10kw

Iowa:

Davenport 29 K61HD x 61
 Muscatine 42 K62FU 15kw
 Storm Lake 18 K40CO 15kw
 Waterloo 44 K44FK 15kw

Kansas:

Great Bend 30 K30GD 15kw
 Hays 25 K25CV 15kw
 Russell 38 K38GH 15kw
 Salina 15 K15CN 15kw
 Salina 51 K51GC 15kw
 Wichita 38 K28JB x 28

Kentucky:

Corbin 33 W33BK 15kw
 Elizabethtown 28 W39CJ x 39
 Paducah 38 W54AE x 54

Louisiana:

Baton Rouge 48 K58GB 15kw
 Bunkie 42 K67GL 100w x 67
 Church Point 42 K69HD 100w x 69
 Hicks 42 K61GO 100w x 61
 Houma 30 KFOL- 100w
 Mermentau 45 K45DI 3kw,
 30-11-30/
 92-37-17

Morgan City 7 KJUN- 4w
 Opelousas 30 KLAF- 100w x 62
 LP
 Opelousas 39 K50FI x 50

Maine:

Allagash 4 W04BH 10w
 Bethel 4 W04BS 300w
 Calais 8 W57AQ x 57,
 Farmington 21 W21BI 14kw
 Harrison 3 W03AM 10w
 Portland 32 W32CA 15kw
 St. Francis 4 W04AY 4w

Maryland:

Cresaptown 39 W43BP x 43,

Massachusetts:

Boston 40 W40BO 3.5kw
 Dennis 33 WMPX- 15kw
 Springfield 28 WFXQ- 20w

Springfield 49 WSHM- 80w x 67

Michigan:

Ann Arbor 27 W27CJ 4kw
 Battle Creek 14 WOBC- 40w
 Detroit 48 W48AV 2kw
 Escanaba 40 W40AN 4.04kw
 Grand Rapids 25 WOGC- 130w
 Grand Rapids 15 WXSP- 50w,
 CA 43-00-59/
 85-44-24
 Holland 33 WOHO- 50w
 Ironwood 32 W32CV 8.45kw
 Kalamazoo 26 W26BX 42-07-44/
 85-20-22
 Lansing 27 W27CN 15kw
 Marquette 17 W17CS 15kw
 Muskegon 29 WOMS- 60w, XR

Minnesota:

Aitkin 39 K39GG 6.75kw
 Blue Earth 16 K70DR 730w x 70
 Brainerd 25 K54AT 11.22kw
 x 54
 Duluth 41 K58CM 3kw x 58
 Grand Rapids 29 K29EB 14.91kw
 Hibbing 15 K15GT 8.04kw
 International Falls 45 K45JD 40w
 Rochester 39 K56HW x 56,
 Virginia 47 K47IR 90w
 Winona 43 K62EV 3kw x 62

Mississippi:

Greenville 42 W42CY 15kw
 McComb 36 W36AC 15kw
 Natchez 24 W24CR 37.6kw
 Natchez 27 W59DK 15kw
 Pascagoula 51 W51CU 2kw

Missouri:

Aurora 48 K61GJ x 61
 Branson 42 KNJD- x 59
 LP
 Cape Girardeau 10 K10KM 300w
 Columbia 47 K56AU 15kw
 Joplin 36 K64FW 1.5kw x64
 Joplin 22 KGCS- 15kw
 Lebanon 38 K64FQ x 64
 Marshfield 17 K17FU 15kw
 Springfield 39 K54FX 500w x 54
 St. Charles 17 K22HG x 22

Montana:

Billings 25 K25BP 90w,
 45-46-05/
 108-27-25
 Bozeman 32 KBTZ- 45-40-24/
 LP 110-52-04
 Bozeman 28 KWYB- 15kw
 Colstrip 32 K66EQ 10w x 66
 Colstrip 35 K58IH 150w x 58
 Columbus 24 K24FL 5kw
 Columbus 33 K33EA 20w,
 45-38-37/
 109-17-43
 Great Falls 31 K53DW 15kw
 Hardin 16 K16DZ 10w
 Helena 21 KHBB- 12kw
 Kalispell 34 KMMF- 48-00-51/
 LP 114-22-04
 Kalispell 42 KTMF- 8.4kw x59

Lewistown 43 K43DC 47-10-40/
109-32-06

Miles City 6 K06FE 100w
Miles City 16 K16DH 90w
Miles City 19 K19FF 80w
Missoula 42 K42EO 8kw

Nebraska:
Beatrice 23 K23AA 17.5kw, 40-
13-07/
96-54-56

Benkelman 33 K33FO 47kw
Chadron 6 K06JC 130w
Columbus 36 KCAZ- 15kw
Cozad 24 K55AF 1.1kw
x 55

Crawford 6 K06KR 60w
Falls City 46 K46FG 16.6kw, 40-
13-11/
95-39-55

Harrison 8 K08LN 130w
Lincoln 29 K29GL 15kw
McCook 29 KUVR- 15kw
McCook 38 KPCI-LP 15kw
McCook 40 K40GX 15kw
McCook 42 K42FV 4kw
McCook 44 K44FN 58.7kw
Neligh 32 K53GC 4.9kw
x 53

Neligh 40 K40HB 1.2kw
Norfolk 24 K48CH x 48
Norfolk 35 K35FM 15kw
Norfolk 46 KAZJ- 15kw
LP

North Platte 11 K11TW "-84kw"?!
North Platte 25 K57CZ 2.28kw
x 57

North Platte 40 KCWZ- 15kw
O'Neill 27 KAZK- 42-26-56/
LP 98-36-51

O'Neill 48 KOAZ- 15kw
O'Neill 51 K51CC 15kw
Ogallala 42 K42HH 15kw
Pawnee City 33 K33AC 40-11-01/
96-21-04

Valentine 27 K27II 15kw
Valentine 29 KHJP- 15kw
LP

Valentine 31 K31HM 15kw
Verdigre 10 K10JW 10w

Nevada:
Golconda 26 K26GG 190w
Golconda 35 K35GD 190w
Golconda 38 K38IX 180w
Imlay 32 K32GZ 190w
Imlay 39 K39CX 850w
Imlay 41 K41GI 190w, 40-
34-50/
118-13-01

Las Vegas 41 K41IO 15kw
Valmy 40 K40HK 200w
Winnemucca 15 K15AL 200w
Winnemucca 43 KPMP- 41-00-40/
LP 117-46-04

New Hampshire:
Hanover 50 W15BK 50w x 15
Pittsburg 34 W18BO 60w x 18

New Jersey:

East Orange 34 WPXO- 3.5kw

New Mexico:
Alamogordo 36 KCWI- 13.1kw
Alamogordo 42 K42EY *
Alamogordo 49 K49FX 420w
Arrey 34 K34FU 1.3kw
Artesia 29 K29FM 900w,
32-50-23/
104-25-42

Bloomfield 11 K11JO 4w
Carrizozo 48 K48GY 840w
Chama 44 K44DD 710w
Cliff & Gila 2 K02KG 80w
Clovis 22 KAZB- 15kw
Clovis 45 K45BF 50w
Clovis 47 K47DH 40w
Clovis 49 K49BY 3.4kw
Coyote Canyon 47 K47DI 220w
Crownpoint 44 K44GD 30w
Deming 35 K35HB 530w
Deming 46 K46GU 800w
Deming 49 K49GV 800w
Dora 40 K40GC 630w
Dulce 26 K26EP 40w
Eagle Nest 38 K38EC 1.66kw
Forest 34 K34EZ 1kw
Gallup 14 KIAZ-LP 15kw
Gallup 48 K48GK 240w
Grants 9 K09EP 4w,
35-07-09/
107-54-02

Hatch 28 K28GJ *
Hillsboro 13 K13UL *
Hornsby Ranch 25 K25HJ 210w
Las Vegas 43 K43FI 200w
Lordsburg 2 K02KP 40w
Lordsburg 14 K14LO 40w
Lordsburg 29 K29DP 30w
Mescalero 13 K13OY 10w
Mora 22 K22EW 250w,
35-57-36/
105-21-12

Mud Canyon 13 K13OX 10w
Raton 43 K43GW 250w
Red River 8 K08ES 4w
Roswell 50 K50IA 1kw
Ruidoso 16 K16BZ 1.25kw
San Jon 28 K28BA 4w
San Jon 30 K30DZ 4w
Santa Rosa 38 K38HR 130w
Silver City 8 KOOT- 150w
Silver City 28 K28GK *
Silver City 45 K45EC 1.66kw
Taos 21 K21FD 2.1kw
Thoreau 28 K28HM 260w
Truth or 25 K25HV 130w
Consequences
Truth or 40 K40GH *
Consequences
Tucumcari 44 K44CJ 240w
Wagon Mound 6 K06BN 10w
Zuni 39 K39FY 170w

New York:
Albany 32 W52DF x 52
Atlantic City 45 W60CX 15kw
Burlington 31 W31BP 240kw (?)
Port Henry 46 W60AO 340w x 60
Rochester 42 W42CO 10kw
Schenectady 42 WNGX- 300w

Syracuse 38 W38CY 15kw
 Tupper Lake 25 W25AT 170w
 Utica 11 WPNY- 4w
 Utica 35 W53AM 40w x 53
 Willsboro 46 W67AR 180w x 67

North Carolina:

Asheville 23 W23BQ 4kw
 Asheville 32 WJJV- x 25
 LP
 Asheville 50 W50CZ 15kw
 Black Mountain 30 W35AV x 35, 5kw
 Charlotte 38 W38CN 15kw
 Charlotte 45 W16CF 5kw, x 16
 Fayetteville 34 W45CO 35-05-07/
 78-54-25; x
 45
 Goldsboro 45 W63CW 35-21-53/
 78-01-55; x
 63
 Greenville 44 W60CV 15kw
 Hendersonville 31 W31AZ 15kw
 Jacksonville 22 W22CJ 10kw
 Raleigh 12 W64CN 35-40-35/
 78-32-08; x
 64
 Rocky Mount 45 W45CN 15kw
 Statesville 21 W66BT 2kw
 Wilmington 51 W51CW 15kw

North Dakota:

Bismarck 46 K46DY 15kw
 Devils Lake 33 K33HB 70w
 Fargo 35 K56ET 15kw
 Grand Forks 49 K49FF 15kw

Ohio:

Celina 17 W17AA 8kw
 Cincinnati 36 W36DG 15kw
 Columbus 23 W23BZ 15kw
 Columbus 48 WCPX- 15kw
 Findlay 51 W09CG 10kw x 9
 Lexington 18 W32AR 10kw,x 32
 Lima 38 WLMO- 40-44-02/
 LP 84-06-07
 Lima 18 WLQP- 40-44-02/
 LP 84-06-07
 Toledo 18 W22CO 1kw,
 41-39-22/
 83-26-41 x
 22
 Youngstown 32 W52DS 500w, x52
 Youngstown 44 W58AM 1.5kw x58
 Zanesville 16 W16BT 15kw

Oklahoma:

Ardmore 44 K44BQ 15kw
 Grandfield 47 K47DK 50w
 Lawton 49 K49GC 15kw
 Lawton 13 K53DS 50w x 53
 Muskogee 16 K25GJ x 25
 Woodward 24 KOMI- 15kw

Oregon:

Albany 20 K20DD 2kw
 Baker 51 K53EJ x 53,
 1.18kw, 44-
 35-57/
 117-46-58
 Bend 33 K33AG 15kw
 Bend 50 KUBN- 2.5kw

Grants Pass 29 K36HL 2kw x 36
 Hood River 20 K20EH 640w,
 45-44-31/
 122-34-43

Klamath Falls 17 K58BG x 58
 LaGrande 23 K23DB 300w
 Lincoln City 50 K50IK 15kw
 Medford 51 K41IX 10kw x 41
 Monument 30 K30EW 700w
 Murphy 49 K34BV 1.5kw,
 42-24-43/
 123-16-54
 x 34

Newberg/Tigard 18 K18EL 1.5kw
 Newport 15 K15DS 2kw
 Portland 5 KWBP- 300w
 Portland 42 KPXG- 15kw
 Prineville 44 K44AH 120w
 Roseburg 41 K62DR x 62, 1kw
 Salem 50 K50GG 2kw
 Seaside/Astoria 21 K21DE 1.86kw, 46-
 17-11/
 123-53-47
 The Dalles 22 K69AH x 69 360w
 The Dalles 51 K51EH 750w
 Tillamook 35 K35CR 350w

Pennsylvania:

Allentown 7 W07DC 10w
 Clarks Summit 14 W14CO 180w
 Clarks Summit 19 W19AR 4w
 Clarks Summit 51 W51BP 10w
 Erie 38 W48CH x 48,
 42-02-16/
 80-03-44

Mansfield 20 W63AB 15kw
 Mansfield 26 W26CV 60w
 Mansfield 45 W54AV 10w x 54
 Meadville 40 W52BO x 52,10kw
 Pittsburgh 47 W65CG x 65
 Pittsburgh 63 W63AU 40-24-55/
 80-02-18

Pottsville 18 W61AG 210w
 Pottsville 24 W24BL 4w
 Pottsville 50 W66AI 4w x 66
 Reading 24 W24CS 150w
 Renovo 40 W40BS 20w
 Scranton 26 W26CD 15kw
 State College 36 W36BE 410w
 State College 39 W39BE 410w
 Stroudsburg 21 W64AL 10w x 64
 Stroudsburg 26 W66AL 210w x 66
 Stroudsburg 40 W60AH 10w x 60
 Towanda 10 W10CP 10w
 Towanda 15 W69CE 70w
 Towanda 25 W25AQ 3.6kw
 Williamsport 8 W55AG 4w x 55
 Williamsport 20 W20AD *
 Williamsport 26 W26AT 4w
 Williamsport 30 W30AN 4w
 Williamsport 39 W39BT 15kw

South Carolina:

Beaufort 19 W19CH 32-24-02/
 80-44-23
 Charleston 20 W20CN 15kw
 Columbia 21 W21CA 15kw
 Columbia 50 W39CL 34-07-09/
 81-03-16 x
 39

Florence 51 W51DI 15kw
 Gerogetown 51 W51AT 3kw
 Honea Path 28 W65DS x 65
 Myrtle Beach 17 W34CQ x 34
 Orangeburg 45 W55CQ 15kw
 Summerville 26 W26CF 15kw

South Dakota:

Badger 35 K35GR 6.76kw
 Brookings 40 K40FZ 7.01kw
 Milbank 47 K47IC 3.89kw
 Murdo 44 K44GG 140w
 Pierre 27 K27HJ 6.76kw
 Rapid City 33 K33CO 15kw
 Sioux Falls 28 K56GF x 56,
 Springfield 33 K33GX 7.01kw
 Watertown 42 K42FI 6.52kw
 Yankton 25 K31DP x 31

Tennessee:

Cookeville 49 W49CQ 10kw
 Jackson 35 W35AH 35-38-49/
 88-50-00
 Knoxville 46 W46DC 15kw
 Morristown 40 W61DG x 61, 8kw
 Murfreesboro 11 WETV- 300w

Texas:

Amarillo 25 K25GI 35-15-41/
 101-52-52
 Amarillo 33 KCPN- 250w
 Austin 34 K34FM 15kw
 Austin 51 KBVO- 70w
 Bastrop 45 KHPB- 50w
 Bovina 35 K35CG 10w
 College Station 47 K47ED 15kw
 Corpus Christi 26 K57FC 10kw x 57
 Fort Stockton 12 K12FM 4w
 Fredericksburg 44 KHPF- 40w
 La Grange 40 KHPL- 40w
 Paris 42 K42DA 15kw
 Round Rock 15 KHPZ- 60w
 San Angelo 44 K44FJ 3kw
 San Antonio 45 K45FJ 6kw
 San Marcos 40 KHPM- 30w,
 CA 29-53-22/
 97-57-03
 Snyder 44 K44FG 4w
 Tulia 25 K25CP 10w
 Wichita Falls 26 K26DL 15kw
 Wichita Falls 35 KJBO- 60w
 LP

Utah:

Beaver 24 K24FE 240w
 Ogden 41 K56GR 5kw x 56
 Salt Lake City 15 K18FJ 2kw,
 40-48-27/
 111-53-18
 x 18
 Salt Lake City 15 KUBX- 6.5kw
 x 58
 Toquerville 31 K12BQ x12 220w,
 37-17-22/
 113-16-34

Vermont:

Monkton 25 W25BT 370w

Virginia:

Charlottesville 16 WVAW- 15kw

Chesapeake 23 WITD- 390w
 Danville 23 W18BG 9kw x 18
 Hampton 18 W18BS 15kw
 Luray 35 WAZC- x 16
 Lynchburg 47 W40BM x 40, 3kw
 Mappsville 36 WPMC- 70w,
 CA 37-50-32/
 75-34-17

Richmond 39 W39CO 10kw
 Roanoke 5 W05AA 300w
 Virginia Beach 24 W24OI 15kw
 Virginia Beach 35 WCTX- 110w

Washington:

East Wenatchee 18 K18AD 60w
 Longview 36 K36DG 15kw
 Spokane 32 K55EB 12.3kw
 Vancouver 14 K14HN 2.5kw
 Wenatchee 14 K14BF 47-27-54/
 120-12-32
 Wenatchee 34 K34EM 15kw

West Virginia:

Charleston 27 W31CA x 31
 Huntington 36 W36CR 15kw
 Parkersburg 45 W45BW 15kw

Wisconsin:

Ashland 45 W45CI 9.33kw
 Hayward 31 K31GH 9.48kw
 La Crosse 50 W67CH 43-48-23/
 91-22-02 x
 67
 Sheboygan 16 W16BS 14kw

Also, one flash-cut has been granted this month in Wisconsin:

Fence 45 W45CD 420w

Wyoming:

Casper 33 K33GI 15kw
 Evanston 23 K23DS 230w,
 41-21-01/
 110-54-16

x 37 means the station proposes to move from channel 37 at the same time it cuts to digital operation.

* in the power column means the proposed digital power is the same as the current analog power.

Finally, a pile of new CW and MyNet affiliates have been announced:

CW:

AL Florence 15 WHDF
AZ Sierra Vista 58 KWBA
 CA Eureka 9 KEMY-LP
 CO Colorado Springs 57 KXTU-LP
FL Jacksonville 17 WJWB
ID Meridian 9 KNIN-TV
ID Pocatello 15 KPIF
IA Burlington 26 KGWB-TV
IA Iowa City 20 KWKB
 KY Murray 24 WQTV-LP
 KY Paducah 9 WQWQ-LP
LA Alexandria 41 KBCA
MI Bay City 46 WBSF
MS Magee 34 WRBJ
MT Helena 10 KMTF

NY Schenectady	45	WEWB
NY Syracuse	14	WSTQ-LP
NC Asheville	62	WASV-TV
OK Muskogee	19	KWBT
SC Columbia	47	WZRB
SC Myrtle Beach	21	WWMB
SD Rapid City	27	KWBH-LP
TX Fredericksburg	2	KBEJ
TX Odessa	30	KWWT
UT Ogden	30	KUWB
VA Ashland	65	WUPV
WA Spokane	22	KSKN
WY Casper	26	K26ES
WY Douglas	11	K11RN
WY Lander	12	K12HM
WY Riverton	12,	K12MJ, K28HL
	28	
WY Shoshoni	32	K32EL
PR Aguadilla	30	WSJP-LP
VI Christiansted	39	WCVI

on DTV subchannels:

AL Dothan	36	WTVY-DT*
CA Chico	43	KHSL-DT
CA Eureka	17	KVIQ-DT
CA Palm Springs	52	KESQ-DT
CO Grand Junction	12	KKCO-DT
FL Panama City	8	WJHG-DT
IL Peoria	40	WHOI-DT
IL Quincy	54	WGEM-DT
IL Rockford	54	WREX-DT
IA Davenport	49	KLJB-DT
IA Sioux City	41	KTIV-DT
KS Topeka	28	KSNT-DT
KY Bowling Green	33	WBKO-DT
MD Salisbury	53	WMDT-DT
MI Kalamazoo	2	WWMT-DT
MI Lansing	51	WLAJ-DT
MN Duluth	33	KDLH-DT
MN Rochester	36	KTTC-DT
MS Meridian	49	WTOK-DT*
MO Columbus	36	KOMU-DT
NC Greenville	10	WNCT-DT
OH Lima	8	WLIO-DT
OH Youngstown	20	WFMJ-DT
OK Ada	26	KTEN-DT
OR Bend	18	KTVZ-DT
OR Medford	35	KTVL-DT
SC Charleston	50	WCBD-DT
TX Amarillo	23	KVII-DT
TX Beaumont	21	KFDM-DT
TX Bryan	50	KBTX-DT
TX Waco	53	KWTX-DT
TX Wichita Falls	22	KAUZ-DT
VA Bristol	28	WCYB-DT
VA Charlottesville	32	WVIR-DT
VA Lynchburg	20	WJPR-DT
WV Bluefield	46	WVVA-DT
WI Eagle River	28	WYOW-DT
WI Eau Claire	15	WQOW-DT
WI La Crosse	14	WXOW-DT
WI Wausau	29	WAOW-DT

MyNet:

AL Troy	67	WRJM
AZ Tucson	18	KTTU
AR Fort Smith	10	KFDF-CA
AR Harrison	31	KWBM
AR Little Rock	42	KWBF
CA Eureka	33	KUVU-LP
CA Fresno	53	KAIL

CA Redding	21	KRVU-LP
GA Valdosta	44	WSWG
IL Springfield	49	WCFN
IN South Bend	69	WMYS-LP
KY Lexington	62	WBLU-LP
MI Detroit	20	WDWB
MI Marquette	19	WMQF
		(secondary;
		primary Fox)
MS Vicksburg	35	WUFX
MO Columbia	11	KZOU-LP
NV Reno	21	KAME
NY Corning	39	WJKP-LP
NY Rochester	18	WBGT-LP
NY Utica	11	WPNY-LP
OR Ashland	63	KFBI-LP
SC Sumter	63	WBHQ
SD Rapid City	24	KKRA-LP
TX Amarillo	33	KCPN-LP
TX Corpus Christi	21	KTOV-LP
TX Wichita Falls	35	KJBO-LP
VA Bristol	36	WAPK-CA
WI Appleton	32	WACY
B.C. Norte Tecate	49	XHDTV

on DTV subchannels:

AL Dothan	36	WTVY-DT
FL Panama City	8	WJHG-DT
GA Augusta	31	WRDW-DT
GA Thomasville	46	WCTV-DT
IL Rockford	16	WTVO-DT
IN Fort Wayne	19	WISE-DT
KS Topeka	44	WIBW-DT
MN Duluth	19	KBJR-DT
MS Columbus	35	WCBI-DT
MS Meridian	49	WTOK-DT*
SD Sioux Falls	32	KELO-DT
TN Knoxville	30	WVLT-DT
TX Odessa	31	KOSA-DT
TX Sherman	20	KXII-DT
VA Harrisonburg	49	WHSV-DT
WV Huntington	23	WSAZ-DT
WV Parkersburg	49	WTAP-DT
WI La Crosse	53	WKBT-DT
WI Wausau	40	WSAW-DT

- means a single DTV station plans to use two subchannels to carry both CW and MyNet.

How's that for an information-packed TV News?!
Good DX!



Eastern TV-DX

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

May, 2006

June, 2006 column deadline: May 12

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!

Long-time members of WTFDA will recognize one of our reporters' names that we haven't seen in the pages of the VUD in years... Robert Grant! He checks in this month with details of his current QTH in the southeast corner of Michigan. Also this month we feature a generous helping of that delicious Southern cooking, in the form of Gulf tropes. Ryan Grabow is now a believer in the power of the Gulf! We also welcome Chris Kadlec's report of 2005 E-skip, and a short note from Fred Nordquist on his continued success in DXing from South Carolina's Low Country. Read on!

Ryan Grabow, 1613 Park Meadows Drive #2, Ft. Myers, FL 33907
<http://www.egrabow.com/dx> (239) 936-6156

ryan@egrabow.com

4/3 tr

0030	WESH	2	FL	Daytona Beach	167
	WFTV	9	FL	Orlando	148
	WTCEt	21	FL	Fort Pierce	110
	WRDQ	27	FL	Orlando	129
	WMOR	32	FL	Lakeland	88
0100	WMBB	13	FL	Panama City	338
0130	WOGX	51	FL	Ocala	194
	WFSG	56	FL	Panama City	360
0200	WUPL	54	LA	Slidell	552
0230	WAPTt	16	MS	Jackson	642
	WBPG	55	AL	Gulf Shores	446

4/4 tr

0130	WBFS	33	FL	Miami	111
0200	WKMG	6	FL	Orlando	148

4/8 tr

0020	CMHt	3	CU	Santa Clara	303
	CMRAt	5	CU	Santa Clara	303
	CMGt	9	CU	Matanzas	239
	CMGQt	13	CU	Matanzas	239
	WJANt	41	FL	Miami	
	WFUN-LPt	48	FL	Miami	
	WSBSt	50	FL	Miami	
	WLMF-LP	53	FL	Miami	
	W56AZ	56	FL	Miami	
	W58BU	58	FL	Hallandale	111
	WPXP	67	FL	Lake Worth	104
	WAMI	69	FL	Hollywood	111
0600	WOPX	56	FL	Melbourne	115
	WXEL	42	FL	W. Palm Beach	101
	W48CNt	48	FL	Sarasota	65

Wow. Hard to believe that this entire report happened over the course of one week! April 3 saw the strongest opening yet to the north, and I think I'll have to create a record for "date that broke the same record the most times". This record is "Furthest Tropo at this QTH", and it was potentially broken five times in three hours! The record was WTSP in Tampa at 124 miles and I knew it wouldn't last long... Orlando broke into the logbook in a big way, one tentative became five positive IDs in the market. WESH 2 became the new record at 167 miles, and quickly lost it to WMBB in Panama City (338 miles), which was then outdone by WFSG... 22 miles further! I was very happy with this since I hadn't seen the Florida panhandle yet, but out of nowhere "UPN New Orleans" stole the record at a whopping 552 miles (whopping for someone used to tropo in NY, anyway). While I had to log WAPT tentatively (and it can't hold the record), it seems that I did see this station, 642 miles away... a mere 12 miles shy of NY's tropo record! WUPL is my official record for Fort Myers.

Thanks to Bill Hepburn's Maps, I was expecting the April 7/8 opening, which went the other way... to Miami and Cuba. Several Miami stations were in like locals and I logged my first low-power stations, including one of WTVJ's translators. A bigger headline, tho, was my first catches from Cuba. 9 and 13 had appeared on the 7th, and came back on the 8th with a couple of friends. 3 and 9 were the same program (movie with spanish subtitles), and IDed as "Cubavision". 5 was first noted with what looked like a schedule or survey, a white screen w/ what looked like spanish-language text, 13 came in shortly after and both were transmitting a newscast ("N" bug in upper-right corner). 13 had given a cuban WX forecast the night before. The Cuban stations had faded by 6am and in lieu of station IDs I tentatively logged the most likely stations shown on Bill Hepburn's list.

It's a wild ride! 73z!

Fred Nordquist, 147 Travis Hill Road, Moncks Corner, SC 29461 nordquis@homexpressway.net
Statistics web page: <http://web.infoave.net/~fmjnordquist/statistics.html>

Equipment: CM 7' partially screened UHF dish at 30', APS-13 at 25' w/rotor on roof & homebrew Es dipole w/rotor in attic. Panasonic 13" 83 channel color TVs & RS Accurian DTV STB. Winegard AC-4990 UHF preamp, RS rotor, CAC-11 coax lead-ins.

<u>2/15 tr</u>									TBN. ex-ch. 21
0858	WGNT	27	VA	Portsmouth	317	<u>2/28 tr</u>			
<u>2/23 GW</u>						0001	WXSX-CA	46	GA Savannah 211
1830	W21BX	20	SC	Charleston	29				

Listed only new loggings. Totals now at 203 including 56 DTVs.

Chris Kadlec, 3860 Shorewood Drive, Fremont, MI 49412-9604

Equipment: Generic unknown TV antenna, bent and broken.

Description: A review of notable TV summertime Es and Tr, most numerous and distant catches here since summer 2001!

Selected television screen captures can be viewed at: http://www.beaglebass.com/dx_tv_images.htm

<u>6/18/05 Es</u>						<u>7/31 Es</u>					
PM	KTVQ	2	MT	Billings	1121	PM	KACV	2	TX	Amarillo	1021
	KXMA	2	ND	Dickinson	854		KBEJ	2	TX	Fredericksburg	1155
	CFRN	3	AB	Edmonton	1430		KPRC	2	TX	Houston	1078
	KBME	3	ND	Bismarck	759		KSAN	3	TX	San Angelo	1146
	CITL	4	AB	Lloydminster	1330		WEAR	3	FL	Pensacola	900
	KHMT	4	MT	Hardin	1077		KDFW	4	TX	Dallas	941
	KSVI	6	MT	Billings	1121		KGBT	4	TX	Harlingen	1361
<u>6/21 Es</u>							WOAI	4	TX	San Antonio	1189
PM	KBEJ	2	TX	Fredericksburg	1155		KENS	5	TX	San Antonio	1189
	KMID	2	TX	Midland	1181		KIDY	6	TX	San Angelo	1146
	KIII	3	TX	Corpus Christi	1257		KRIS	6	TX	Corpus Christi	1257
	KENS	5	TX	San Antonio	1189	<u>8/2 Es</u>					
	KRGV	5	TX	Weslaco	1371	PM	CJOX	2	NF	Grand Bank	1483
	KTXT	5	TX	Lubbock	1096		CKCW	2	NB	Moncton	1059
<u>7/7 Es</u>							KPRC	2	TX	Houston	1078
PM	KASA	2	NM	Santa Fe	1244		WBRZ	2	LA	Baton Rouge	941
	WBRZ	2	LA	Baton Rouge	941		WESH	2	FL	Daytona Beach	1062
<u>7/7 tr</u>							WFMY	2	NC	Greensboro	604
PM	WAND	17	IL	Decatur	293		WPBT	2	FL	Miami	1261
	WBUI	23	IL	Decatur	293		WSB	2	GA	Atlanta	674
	WCCU	27	IL	Urbana	259		WUND	2	NC	Columbia	733
	WWTO	35	IL	La Salle	217		WBTW	3	NC	Charlotte	632
<u>7/10 Es</u>							WEAR	3	FL	Pensacola	900
PM	KACV	2	TX	Amarillo	1021		CJCB	4	NS	Sydney	1280
	KASA	2	NM	Santa Fe	1244		CJCN	4	NF	Grand Falls	1490
	KMID	2	TX	Midland	1181		WFOR	4	FL	Miami	1261
	KREM	2	WA	Spokane	1542		WJXT	4	FL	Jacksonville	936
	KUTV	2	UT	Salt Lake City	1342		WWL	4	LA	New Orleans	949
	KDFW	4	TX	Dallas	941		WPTV	5	FL	W. Palm Beach	1198
<u>7/10 tr</u>							WKMG	6	FL	Orlando	1062
PM	WSAZ	3	WV	Huntington	394		WTVJ	6	FL	Miami	1261

Robert Grant (N8NU), 231 E. Temperance Rd., Temperance, MI 48182 rg3d@yahoo.com
(except delays, no home Internet access)

Temperance is in SE corner of Michigan, lat. 41.7794, lon -83.5437 (EN81fs)

Equipment: Sylvania (Fuani) 6427GFF 27" color analog/digital SDTV Winegard 7084, not in perfect condition (see text). All times ELT.

<u>12/26/2005 GW</u>					<u>1/8 tr</u>				
2030	<u>WTOL-DT</u>	17	OH Toledo	10	2157	<u>WADL-DT</u>	39	MI Mt. Clemens	63
2034	<u>WTVG-DT</u>	19	OH Toledo	8	<u>1/22 tr</u>				
2035	<u>WNWO-DT</u>	49	OH Toledo	13	1200	<u>WDLI-DT</u>	39	OH Canton	113
2036	<u>WUPW-DT</u>	46	OH Toledo	10		WANE	15	IN Ft. Wayne	100
2038	<u>WJBK-DT</u>	58	MI Detroit	48		WKEF	22	OH Dayton	150
2039	<u>WXYZ-DT</u>	41	MI Detroit	50	1300	<u>WDTN-DT</u>	50	OH Dayton	147
	<u>WDIV-DT</u>	45	MI Detroit	50		<u>WPTO-DT</u>	28	OH Oxford	183
2040	<u>WWJ-DT</u>	44	MI Detroit	49		WPTD	16	OH Dayton	150
2041	<u>WTVS-DT</u>	43	MI Detroit	49		<u>WSTR</u>	64	OH Cincinnati	190
2052	<u>WDWB-DT</u>	21	MI Detroit	49	<u>2/17 GW</u>				
2118	<u>WKBD-DT</u>	14	MI Detroit	52		<u>WPXD-DT</u>	33	MI Ann Arbor	40
2120	<u>WGTE-DT</u>	29	OH Toledo	10	<u>3/30 tr</u>				
	<u>W38DH</u>	38	OH Toledo	10	2300	<u>WLAJ</u>	53	MI Lansing	75
	(new to air, "America's Store")				2303	<u>WLAJ-DT</u>	51	MI Lansing	75
<u>12/31 GW</u>					2309	<u>WLNS-DT</u>	59	MI Lansing	75
1325	<u>WLMB-DT</u>	5	OH Toledo	24	2326	<u>WSYM-DT</u>	38	MI Lansing	75
<u>1/1/2006 tr</u>						<u>WUDT-CA23</u>	MI		
2333	<u>WJW-DT</u>	31	OH Cleveland			Univision, antenna NE toward Detroit			
2343	<u>WEWS-DT</u>	15	OH Cleveland		<u>3/31 tr</u>				
2348	<u>WUAB-DT</u>	28	OH Lorain		0003	<u>WJRT</u>	12	MI Flint	90
2350	<u>WQHS-DT</u>	34	OH Cleveland		0007	<u>WFUM-DT</u>	52	MI Flint	75
	(all above roughly 105 miles, no trace of DTVs for WVIZ or WVPX)				0026	<u>CHWI60</u>	60	ON Windsor	40
2352	<u>WDLI-DT</u>	39	OH Canton	113	<u>4/9 tr</u>				
<u>1/2 GW</u>					2255	<u>WGGN-DT</u>	42	OH Sandusky	55
1800	<u>WBGU-DT</u>	56	OH Bowling Green	48	(DTV new to air)				

The Winegard combo antenna installed on the chimney in 1999 never met expectations on lowband VHF, seeming to be omnidirectional, having less gain than a dipole, and picking up lots of RFI from devices inside the living room. This may be due to incorrect assembly, or a poor connection to the coaxial cable. The 7084 seems to work ok at VHF high, and very well in the middle of the UHF band. In recent years, the antenna blows in the wind like a weathervane, and the rotator cannot turn the antenna around a full circle (usually about a 150 deg span, sometimes at little as 40 or as much as 240 degrees). The WBGUDT and WPXDDT loggings, for example, were made possible not by propagation, but were seen with the wind blew the antenna in the right direction. I hope to have this fixed as soon as I can find someone to climb the roof (curse my acrophobia!).

As you might have guessed, we acquired the new SDTV set on Boxing Day. I had tried to get WLMBDT first, but their strong signal could not be logged (in retrospect, because the antenna could not go West and because of all the RFI in the low band). Worried that the set was defective, I pressed the "up channel" button. That WTOLDT became my first DTV catch was SO FITTING. WTOL was the station I discovered when I was 6 years old, in Detroit, and I was thrilled even then to see another city by television. It would be another 9 years before I would really make a hobby out of it, let alone hear the term "DXing".

DTV gives me a chance to "start DXing, all over again". The Temperance site has been disappointing, with DXing made difficult by DTV, NTSC and FM signals from Oregon (OH) tower farm overloading everything, and Detroit signals also strong, I lost interest in TV DXing, going more into HF and other hobbies.

Interesting to see how different stations use their DTV multicasts. All Toledo stations with Ohio transmitters use multicasts, but in Detroit, I have never seen a multicast from WKBD or WJBK. WDWB's only subchannel is a low-res clone of their main channel, and WWJ was only seen with a subchannel during the NCAA basketball finals. Cleveland is even worse, where only WUAB has been seen with a subchannel ("The Tube" on 43.2, WKYC and WOIO may have them, but I have been unable to log their VHF DTVs yet). WQHS seems to be a missed opportunity – there is no subchannel on their DTV, WQHSDT^34, and there is probably never any HDTV programming on Univision. It would seem to be a "no-brainer" to put Telefutera, their sister network, which is open-air in many markets, on a subchannel of WQHSDT.

PBS stations are interesting in their use of subchannels – WGTEDT has a three-channel multicast, with the rerun-plagued PBS HD on 30.1. but NEVER is the analog channel 30 program available on ANY subchannel of the WGTEDT^29 multicast. WTVSDT^43 has PBS HD on .1, but does parallel analog 56 on their .2. WBGUDT^56 has a four-channel multicast, with the 27.1 being

parallel to analog ch27, .2 is “WBGU kid”, .3 is “Create”, and .4 is “Encore” (local programming), Usually, none of these are HDTV. Only when the PBS program carried on analog 27 is an HDTV program is 27.1 sent as an HDTV channel, during such an hour, “Create” and “Encore” go into hiatus.

WDLIDT^39 was noted with a five-channel multicast (I’ve heard all TBN are doing this). Two stations have the dubious distinction of being less sharp in DTV than they are on analog. One is WLMB^DT 5, which has no multicasting, has no program description, and does not display as channel 40 on my set (the display shows actual RF channel 5), the other is WPXDDT^33, which has a four-channel multicast. Often both analog 31 and main DTV channel have an infomercial, while they offer an actual program (old TV show or movie from PAX) on 31.2 – a scathing indictment on the misuse of the “must carry rule” that allow UHF independents to survive!

When analog TV does go off, I will miss the magic of an image “emerging” out of the snow, and being able to ID a weaker station under a stronger one. However, DTV has its appeal too – seeing a truly perfect picture by Tropo is neat, and the instant ID is a DXers dream. I only saw about two seconds of video and sound from WPTODT, but the set display channel defaulting to 14 unequivocally Identified the station as WPTODT. I WILL NOT miss watching an analog station clearly for 58 minutes, only to have it fade out at xx:59:45 and never be identified!

Will anxiously await Es season. Targets are KOTADT, WCESDT and WTWCDT, all on channel 2, and all are in my logbook as “tentative”, from when strong carriers were noted on 54.310.
73s to all, Rob, N8NU.

That’s all for this month. Please support ETVDX by reporting your DX! 73s Matt.

DXING FM DURING AURORAL CONDITIONS CONTINUES FROM PAGE 30

- http://solar.sec.noaa.gov/alerts/warnings_timeline.html - real-time space weather warnings; most important for K index readings and X-Ray events (solar flares).
- <http://propagation.dxers.info> – real-time Bt, Bz, Lower Magnetic Latitude, A, K, Solar Wind Speed, and more. The display is sparse in terms of explanation; you’ll need to fill in the blanks through other sites.

A final word of warning: sometimes, Bz can swing wildly negative (-20 or greater) for no apparent solar reason; often near to the Spring and Fall equinox. So if you note your dial sounding funny (with locals/semi-locals sounding scratchy, check propagation.dxers.info to see if something’s “up”.

An Au event is in progress – what will I hear?

The first thing you may notice is signal degradation to your semi-local stations (50-200 mile Tr targets), with a scratchy/distorted sound. Particularly when the K index is high (7+), you may notice what approaches a radio blackout in your area.

If you have open channels, now is the time to start looking for distant stations. I have about 5 truly “open” frequencies to the N/NE here; I check 100.1 first when I suspect Au as CBRL Lethbridge AB or KZOQ Missoula MT are always in when Au is firing. Once I confirm that an event is in progress, I switch to other frequencies. I have received Au stations over semi-locals and have come close on locals (i.e. the signal was there, but I couldn’t grab an ID).

During a particularly strong event last Summer (K=9), I was unable to hear anything outside a 20 mile range from my QTH during the peak – this is when the “shock wave” from a disturbance hits the earth’s magnetic field. It’s during or after the initial blackout that the most distant receptions can often be made. After a K=9 event, the geomagnetic disturbance can last for days.

Au receptions consist of a mixture of what sounds like distorted Tr (what I call straight Au reception) and AuEs, which sounds exactly like regular Es but is very transient in nature – may last only 5-10 minutes, sometimes shorter or longer. On the overnight of 4/4-4/5 2006, during unattended DX, I had CBRL in for over 5 hours at 524 miles with a strong and distorted signal – definitely not AuEs. At other times, I’ve had middle-of-the-night Es during auroral conditions; for me this is typically to Minnesota/Manitoba/South Dakota (farther E than N) and the distances range from 800-1200 miles.

If you have any questions, comments, or corrections (likely; I’m not an astronomer or space meteorologist!) please contact me via e-mail or offer corrections on wtfda.info.

Dave Williams
Redmond, OR

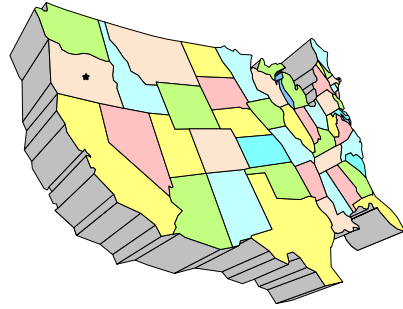
WESTERN TV DX

DAVE WILLIAMS

3525 SW Timber Ave

REDMOND, OR 97756

beansdad@bendcable.com (541) 420-4704



Greetings!

Es is stirring here, and some great Tropo loggings have started to show in the Midwest and South. My loggings:

4/15/2006 Es

UNID 2-4 1930-2130; KCBS-2 (t).

DTV Bandscan

11.1 KOAB-HD (PBS) 18.1 KTVZ (NBC)
11.2 Create
11.3 OPBTest

KOAB and KTVZ are located on Awbrey Butte in Bend, 12 miles south of me. Both are operating with less than 500w directionally towards the BendBroadband offices in NE Bend (and not towards me). I can fully decode KOAB (awesome picture!) about 90% of the time. KTVZ has only sync-locked my WinTV-D but multipath doesn't let them decode. Since KTVZ will also carry "The CW" on 18.2, I'm hoping they upgrade their facilities soon.

73, Dave Williams, Redmond OR

Jeff Kadet, K1MOD

Box 20, Macomb, IL 61455 jkadet@macomb.com

All loggings in this report are **new**. Item in first column is log number. Last two columns are time (in cst) and distance (in miles).

8/21/2005 Tr

255 WPTO-DT 28 OH Oxford 0400 322 mi
Program 1 (14DT)
Program 2 (14Prime)
Program 3 (14Learn)

9/10/2005 Tr

256 WOI-DT 59 IA Des Moines 1030 179

9/21/2005 Tr

257 KOZK-DT 23 MO Springfield 0200 258
258 WWRS-DT 43 WI Mayville 0801 233
Program 1 (WWRS Digital Television)
259 KETV-DT 20 NE Omaha 0820 286
Program 1 (KETV-DT)
Program 2 (KETV-DT) (same text ID
but weather map)

260 KBIN-DT 33 IA Council Bluffs 0912 275
Program 1 (KBINHD)
Program 2 (KBINSD1)
(totally amazed this made it over ktvo-dt-33)
261 KHIN-DT 35 IA Red Oak 0915 247
Program 1 (KHINHD)
Program 2 (KHINSD1)

9/22/2005 Tr

262 WRGT-DT 30 OH Dayton 0525 344
Program 1 (WRGT-DT)
263 WKOI-DT 39 IN Richmond 0530 327
Program 1 (WKOI Digital Television)

10/2/2005 Tr

264 WQHS-DT 34 OH Cleveland 0009 474
Program 1 (WQHS DT)
265 WTOL-DT 17 OH Toledo 0027 390
Program (WTOL High Definition Service)
266 WPXD-DT 33 MI Ann Arbor 0038 368
Program 1 (WPXD Faith)
Program 2 (WPXD Digital Television)
267 WOTV-DT 20 MI Battle Creek 0258 307
Program 1 (High Definition ABC)
Program 2 (The Station with Game)
268 WEVV-DT 45 IN Evansville
Program 1 (WEVV-DT CBS44)
269 WILL-DT 9 IL Urbana

73, Jeff
oldtvguides.com/DXPhotos

Dennis Park Smith

3605 San Remo Drive
Santa Barbara, CA 93105-2523
Telephone (805) 687-7803

This report is for March 2006. There were only tiny bits of coastal tropo ths time (to San Diego/Tijuana up to 200mi/320km) , typical of the season.

All dates in January, 2006

1 – 5 am: None (unsettled since Feb 27)
5 eve: Fair
6 – 22 am: None (unsettled, occasional rain)
22 eve – 24: Variably poor-fair
25 – 26 am: None (rain)
26 eve: Poor
27 – 31: None (rain)

Best of DX to all, Dennis



PHOTO-NEWS

Jeff Kruszka, Editor
 5024 S. Braxton Ave.
 Baton Rouge, LA 70817
 jkruszka@bellsouth.net

May 2006

More photos from Greg Barker's collection, from Greensburg, IN (<http://community-2.webtv.net/GregBarker/DXPHOTOS/>):



KOZK-DT-23 Springfield, MO
 431 mi Tr seen 7/24/05



WDJT-DT-46 Milwaukee, WI
 290 mi Tr seen 7/24/05



WGEM-DT-54 Quincy, IL
 314 mi Tr seen 8/22/05

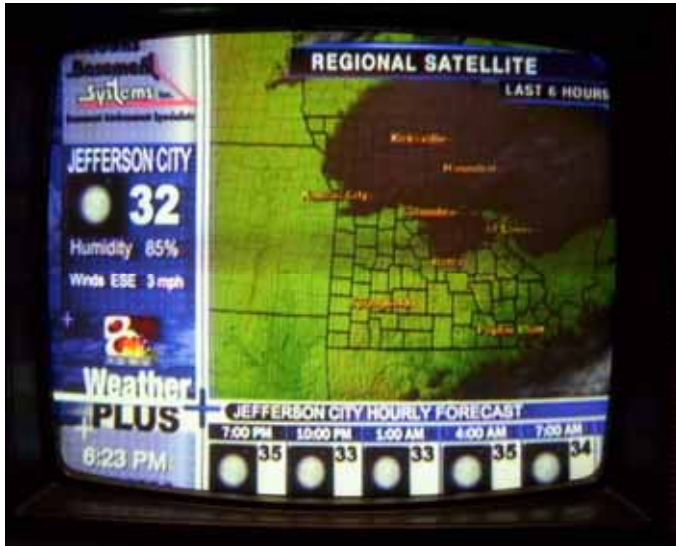


WNPB-DT-33 Morgantown, WV
 306 mi Tr seen 6/26/05



WZDX-DT-41 Huntsville, AL
 323 mi Tr seen 9/19/05

And more from Eric Bueneman, Hazelwood, MO:



KOMU-DT-36-2 Columbia, MO
105 mi Tr seen 1/23/06



WAND-DT-18 Decatur, IL
110 mi Tr seen 1/23/06



WHAS-DT-55 Louisville, KY
250 mi Tr seen 10/1/05



WIPB-49 Muncie, IN
255 mi Tr seen 1/23/06



WTHR-DT-46 Indianapolis, IN
240 mi Tr seen 10/1/05
"over local WRBU analog!"



WXIN-DT-45 Indianapolis, IN
240 mi Tr seen 1/23/06

73's,
Jeff

6 Meter/2 Meter Amateur DX



50 Mhz
The *Magic* Band



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

As you read this, we will be finding ourselves at the cusp of the E-Season. In 2005, I first saw seasonal E_s on April 27th. It was a fleeting opening to be sure, and didn't repeat for several days, but it was a welcome sign of things to come. So, it's any day now...

The coming of the Season will be welcome, indeed. It was mighty quiet on the VHF bands in March and early April. March brought almost nothing interesting, except for a brief contact with NA1SS, the International Space Station, on 2 meter FM. It was a typical "5-9, thank you" kind of QSO, but, happily, I received my QSL card in just a few days.

The first few days of April brought a little tropo. On the first, I had a nice contact and chat with WTFDA member Doug Smith, W9WI, near Nashville. While it certainly wasn't a long-haul contact -- at only about 175 miles -- Doug made the trip by only using a 50-watt radio and a halo antenna at chest-level above the ground.



Despite that modest set-up, his signal peaked as high as S8. When the band opens, it doesn't necessarily require a big station.

Doug, like me, has jumped onto the Automatic Positioning System ("APRS") bandwagon. Doug tells me that he now runs APRS at his home nearly 24/7, watching for band openings. When the band opens, Doug's station is one I often see being digipeated here in Memphis.

By mid-April, the 2m band really heated up with a multi-day, long-haul event. Beginning on the morning of the 14th (UTC), big signals made it into Memphis from deep into Texas. The opening, like the Energizer Bunny, just kept going, and going. The band would open in the evening, stay open all night, and not burn off until mid-morning local time. Over the next few days, I worked several new grids in Texas and Florida with, often, little effort. Contacts in the 700-mile range were pretty common, and 800-milers were not unusual. The band so was intense that I even worked W5UWB near Corpus Christi – a path

just under 700 miles – with my Yeasu 817 low-power radio running a meager 5 watts single sideband. I was told I was S8 at the other end! Now, that's a duct!

Thanks to this jaw-dropping opening, I finally crossed 100 grids worked on 2 meters. Now, I just need to get to the 100 *confirmed* level for VUCC. Often, this is the real trick.

Loggings

**Doug Smith, W9WI⁴, 1389 Old Clarksville Pike, Pleasant View, TN 37146
EM66**

I'm not particularly active on the VHF ham bands - spending more time with Morse on the HF bands - but I do have 6m, 2m, and 70cm CW/SSB capability in the car. On a couple of mornings in April, APRS displays have suggested tropo brewing, and a couple of 2m QSOs have resulted:

2006-04-01 1507z 144.22 SSB N4LI EM55 (nr. Memphis, Tenn.)
2006-04-14 1314z 144.20 CW K5TR EM00 (Johnson City, Tex.)

Yep, I've worked our column editor on 2m. For 13 days, that stood as my 2m DX record since moving from Wisconsin in 1990. When the record was broken, it was shattered - no, pulverized - with an 800-mile QSO with Texas. This QSO went like dozens I've had before with George on the HF bands. It really took an hour or two to sink in, that this wasn't just another QSO with K5TR -- it took place on ****TWO METERS****.

W9WI VHF weak-signal station: Icom IC-706MKIIG (100w/6m, 50w/2m, 20w/70cm); Diamond triband 144/220/440 vertical antenna & 6m Hamstick. Horizontal loop available for 2m fixed operation and used for N4LI QSO. (all of four feet off the ground...) K5TR worked with vertical!

Will be looking for WTFDAers on 2m and 70cm during tropo openings and 6m during Es.



Finally, here is the card that NA1SS/RS0ISS is using for their in-space contacts. I thought it looks pretty cool. Hopefully, we'll have a busy coming month, so keep the Reports coming in! -pb

DXing FM during Auroral Conditions

Dave Williams

In the past 3 years, since I've gotten back into DXing FM, no type of propagation has piqued my interest more than Au. And while you may think that Au isn't possible where you are, due to a location too far South or too much dial clutter, this article will hopefully alert you to conditions which may generate favorable conditions for Au even at your QTH.

The Basics: What causes Aurora and Auroral propagation?

When the Earth's magnetic field lines up with the Interplanetary magnetic field, conditions are primed for Au activity. This lineup occurs when Bz is tilted Southward (expressed as negative numbers on propagation/astronomy sites). If you add disturbances to the Earth's magnetosphere, from either coronal mass ejections (solar flares) or high-speed solar wind streams (from coronal holes), during times of negative Bz, Auroral activity will commence.

At my QTH in Central Oregon (magnetic latitude 50 degrees), FM Au **always** occurs when all of the following conditions are true:

- Bt = 10 or greater – indication of total magnetic activity.
- Bz = -10 or lower – indication of negative “tilt” to magnetosphere.
- K = 4 or greater – indication of overall geomagnetic storminess from K=1 to K=9.
- Lower Magnetic Latitude = 60 degrees or lower.

All of these values can be viewed at <http://propagation.dxers.info>, as well as at other sites mentioned later in this article.

Is Au DX possible at my location?

The answer is: probably, from once to several to many times a year.

The most important factor is the magnetic latitude of your QTH. This is not the same as your latitude; the Auroral oval is just that – an oval – and DXers in the middle of the continent catch a break. In fact, a DXer in northern Missouri is at the same magnetic latitude as I am – and one would hardly think of Missouri as a peak site for Auroral viewing. To determine your magnetic latitude, check this website:

<http://www.sec.noaa.gov/Aurora/globeNW.html>

In the past year, visible auroral activity has been noted as far South as Southern California, Arizona, and Alabama. And to reiterate – it's not necessary to be able to view Au to DX Au – the visible activity may be below the horizon where you are, but the FM signals may be popping in all the same.

When should I check for Au DX?

Follow the space weather forecasts!

Because coronal mass ejections and high-speed solar windstreams take 18+ hours to reach Earth from the sun, you can have a good idea of whether or not you need to pay attention to Au at all just by taking a look at the following websites once a day or so:

- <http://www.spaceweather.com> – good source of high-level information. The left-hand column displays Bt/Bz, sunspot, solar flare, and coronal hole data, while the main body of text in the center often includes articles notifying readers of pending solar/geomagnetic storms (and links to really cool pictures).
- <http://solar.sec.noaa.gov/forecast.html> - updated every 6 hours, provides detailed (and a bit more technical) information about what to expect over the next 3 days. Really good for getting statistical probabilities of anything “fun” happening in the next 48 hours.
- <http://maps.dxers.info/> - check to see if 6m contacts are being made to the north of you. You can also use this site during an Au opening to check on activity.

If the peak conditions occur either in the late afternoon or very late evening in your location; you're in luck – due to the shape of the Auroral oval these are the best times of day for auroral DX enhancement. If the peak conditions occur at other times, you may be out of luck – but someone halfway around the world likely has enhancement.

Once you're into an auroral event, the best sites to keep track of are:

- <http://solar.sec.noaa.gov/pmap/index.html> - real-time auroral oval maps from NOAA. A quick indication as to where the oval is and what overall activity is using the POES auroral activity scale.

(Continues on page 24)



SATELLITE NEWS

GEORGE W. JENSEN

4604 ANTANNA AVE, Baltimore, MD 21206-4220

SCISATMAN@AOL.COM

Up to now many changes have involved switches from analog to digital. This time around it's a Merry-Go-Round of digital moves to other digital channels. So here goes:-

Satcom C4 (AMC 10) -

The following are from G1 and are still parallel to G1 -

Channel 120 - Encore Love West

121 - Mysteries - West

122 - Westerns West

190 - Starz East

Delete 600 - Discover HDTV East - it is located elsewhere

Satcom C3 -

delete the old Northwest Cable News channel which had been paralleling Court TV on channel 581. NW Cable News remains stable on C4

channel 600 - Home and Garden Television feed here is West Coast feed

Galaxy 13 - channel 502 is new home of Prime Time 24's WNBC New York ch 4

WPIX has moved from 502 to 510 on the same bird

Intelsat Americas 13 121 West

channel 804 - was NDTV India, but lately seems to a toddler's channel. I can never catch a real ID

Satmex 5 - some new unknowns on channels 813, 814 and 815 - Programming blocked and no ID.

Galaxy 4:-

All of the following are new to this location,

but are parallel to Galaxy 1 --

120 - Encore East

121 - Encore West

122 - Action East

123 - Action West

124 - Love East

126 - Mystery East

128 - Drama East

129 - Drama West

130 - Westerns East

132 - Wam East

190 - Starz East

191 - StarzWest

192 - Starz Edge East

193 - Starz Comedy West

194 - Starz Cinema East

195 - Starz In Black East

196 - Starz Kids and Family East

AMC 3 -

delete Prime Time 24 channel 502 - WNBC - see earlier for new location on Galaxy 9

XPDR 20 - University Network with Dr, EuGene Scott seems to present a really unstable signal lately. Cause-- - ??? - I had sometime ago that Dr. Scott had died.

Anyone have any info on this ?????

That's all for this month and hope to see you next month. '73' and great DX to all.

George

FM NEWS

from the WTFDA

3860 Shorewood Drive
Fremont Michigan 49412-9604
Phone: 231 924 0730



Chris Kadlec

E-Mail: beaglebass@beaglebass.com
http://www.beaglebass.com/dx_index.htm

MAY 2006

Regrettably, there will be no FM News for the month of May. However, knowing that many of you depend especially on FM News and knowing that this is the important beginning of the FM DX season, next month's issue will be an extra-long one containing both May and June's FM dial changes. I apologize for the lack of news this month. -Chris Kadlec FM News Editor

Chris !!



KANSAS STATE NETWORK, Inc.

KARD TV 3

833 NORTH MAIN ST., WICHITA, KANSAS 67203, (316) AMHERST 5-5693

July 12, 1966

Mr. Jeffrey M. Kadet
8047 Park Overlook Drive
Bethesda, Maryland 20034

Dear Mr. Kadet:

Thank you for your interest in television. This will confirm your reception of KARD-TV, Channel 3, Wichita, Kansas.

We are operating with 100 KW visual and 20 KW aural on Channel 3, from a one thousand foot tower.

Sincerely,

Rodger D. Herring
Engineering

RDH:bf

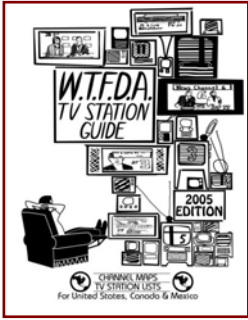


MORE CLASSIC VERIES FROM JEFF KADET

THE WTFDA EMAIL LIST AT WTFDA.INFO

Due to popular demand, we've moved the list to the forums. The emails fly faster and you get subscribed faster! Just send an email to tvfmdx-subscribe@wtfda.info to be added to the list quickly. If you've had problems with Topica before, try us now and come onboard. Read on the web or by emails. Your choice! Check out the info page here: http://wtfda.info/mailman/listinfo/tvfmdx_wtfda.info

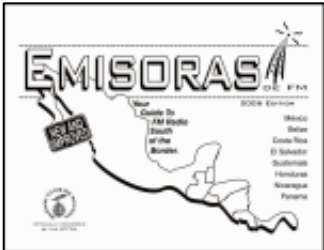
A GREAT COMBINATION FOR 2006!



WTFDA TV STATION GUIDE

To order your copy of the 2005 WTFDA TV Station Guide, send a check or a money order for **\$20.00** payable to WTFDA and send it to John Ebeling, 9209 Vincent Avenue S., Bloomington, MN 55431-2157 **STILL IN STOCK! GET YOURS NOW!**

(Yes, you can use Paypal. From the Paypal website, click on *send money* and send \$20 to mbugaj@snet.net.)



NEW!!! Emisoras de FM

To order your copy of the 2006 WTFDA Mexican/Central American FM Directory, send a check or money order for **\$16.50** payable to WTFDA and send it to Keith McGinnis, 6 Ritter Rd., Hingham, MA 02043. (For Paypal orders, send \$17.50 to mbugaj@snet.net. Use the comment box for any instructions.)

WTFDA EMAIL REFLECTORS

Enhance your DXing experience! Entertaining and informational.

For WTFDA members and guests on the wtfda.info server

The WTFDA list...send an email to tvfmdx-subscribe@wtfda.info

180 subs

The WTFDA AM DX list...send to amdx-subscribe@wtfda.info

80 subs

TELEVISION'S PIRATES: HIDING BEHIND YOUR PICTURE TUBE

BY BOB COOPER

What is a Television Pirate?



By Oxford definition, a pirate is "a person who infringes another's copyright or other business rights" and/or "someone who broadcasts without official authorization." Television programming carries copyright, television stations travel a years-long pathway seeking "official authorization" before broadcasting. Alas, not every television station has waited for, nor even sought, authorization, and it goes without saying, contacting those who's copyright might be violated by their transmissions. Many figures in recent history (Winston Churchill) met our definition.

Tens of thousand have been driven by their intense desire to have, for their own, access to television. Cable TV began as piracy. Satellite TV was driven by rampant piracy. And now the Internet is spooked by those who would "broadcast" with authorization. This is their story.

ORDER YOUR 928 PAGE COPY FROM BOB RIGHT NOW!

Send your check or money order for \$20 (payable to WTFDA) to WTFDA, P.O. Box 501, Somersville, CT 06072.

Paypal order are also accepted. Send \$21.50 (to cover Paypal fees, etc.) To mbugaj@snet.net.

??



YO HO!
Order your
copy yet??



CHANNEL MASTER CORP.

the CHAMPION

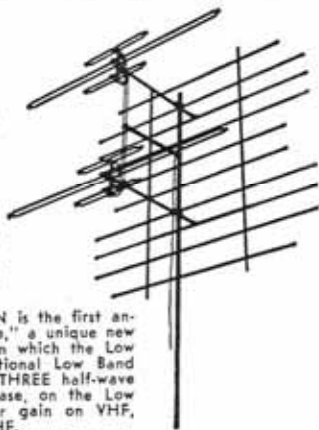
Extraordinary power on VHF and UHF!

2-Bay array gives:

- 11-13 db High Band gain on VHF
- 6½-7½ db Low Band gain on VHF
- Excellent performance on UHF

Channel Master's CHAMPION is the first antenna to employ the "Tri-Pole," a unique new Broad Band dipole system, in which the Low Band dipole provides exceptional Low Band gain, and also functions as THREE half-wave dipoles tied together, in phase, on the Low Band. The result: spectacular gain on VHF, excellent performance on UHF.

Model No.	Description
325	Single-Bay
325-2	2-Bay
325-4	4-Bay



the SUPER CHAMP

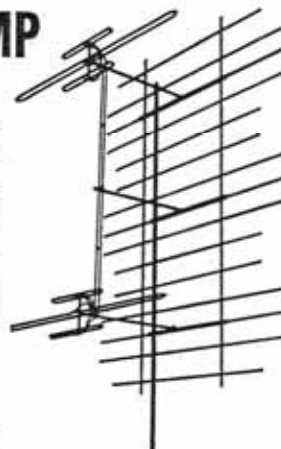
model no. 325-6

- Features wide-spaced "Tri-Pole" assemblies, and new connecting harness.
- Gives from 1½ to 3 db MORE Low Band gain, and 1 db MORE High Band gain than the stacked CHAMPION, model no. 325-2.
- Provides extraordinary VHF-UHF reception at GREATER DISTANCES than has ever before been possible.

Conversion Kit

model no. 325-7

For converting stacked 2-Bay CHAMPIONS into Super Champs.



Q. "What about lightning scatter? Do I need a super DX set-up to see or hear it, and does it affect FM as well as TV?"

A: Lightning scatter (LS) bursts are caused by electrical storm activity, and are somewhat similar in appearance to meteor scatter bursts. The effects of LS seem to be strongest on UHF, and it doesn't take anything more than a good high-gain UHF TV antenna, such as a parabolic dish to note it on TV. Of course, using a good UHF preamp increases your LS results. However, LS tends to be somewhat rare for many TV DXers, as knowing exactly where and when to look for it is critical. Contrary to popular belief, you don't always have to have heavy local thunderstorm activity in your immediate vicinity to note LS bursts. All it takes is an electrical storm situated between your location and the DX station to produce LS bursts. Ideally, the DX station will be located between 200 to 300 miles from you, with the heavy electrical storm somewhere near the midpoint. However, LS bursts can be noted from stations as close as 80 miles away at certain times, and there have been reports of LS DX from as far away as 700 miles. LS is caused by cloud-to-cloud lightning discharges which briefly ionize the air around the actual "bolt" of electricity. This short-lived ionized area scatters VHF and UHF signals much in the same manner as a meteor trail does. It should be kept in mind that this takes place at a much lower altitude (30,000 feet or lower) than meteor scatter ionization, which occurs in the E layer at around 50 miles above the earth. LS does affect the FM band, and of course presents even more of a challenge to identify in that range than MS does. A good FM yagi and receiver should do the trick. LS bursts have been noted by TV DXers on channel 2 as well, so even lowband VHF TV is subject to this propagation. A good way to check for possible LS conditions is to listen to local weather radar reports from a local TV station or the weather service broadcasts on VHF available in many regions. When you know that heavy electrical storm activity is taking place in an area 100 to 200 miles away, pointing your DX antennas at the storm area may produce some LS results. Check UHF first, if you have a good UHF TV DX antenna. If the activity is heavy, results may be found on FM and highband VHF TV as well, though only CCI bursts may be seen on highband TV, unless those channels are "wide open" in your region. (From the July 1979 VUD)

NEW RDS DECODER



Jim Thomas posts on the tvfmdx list of a new RDS Decoder available from KatRuud-Tronics in the Netherlands. It's called the KatRuud RDS Monitor and consists of downloadable software from the KatRuud website plus a small board that connects to your computer. Jim claims that it is much more sensitive than the Conrad RDS Manager.

For additional information, please check the KatRuud website at <http://www.katruud.nl/>. It's nice to see that a product of this type is available again to those who were unable to purchase Conrad RDS Managers in the past.

SIGN UP/Renewal form

Name _____

Address _____ Apt # _____

City _____ State/Prov _____ Zip _____

Country _____ Interests: TV () FM () 30-50() Weather()

email address _____

Sign me up/renew me for: 1 year () 2 years () More ()

Yearly dues \$24 (US), \$26 to (CANADA), \$10 (Electronic VUD)
(Students get a discounted rate of \$15 yearly for the paper VUD.)

Mail your dues to: WTFDA, P.O. Box 501, Somersville, CT USA 06072

Make your checks/money orders payable to: WTFDA

And *thanks* for your support of the WTFDA!

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

WTFDA BOARD OF DIRECTORS

Mike Bugaj, use the WTFDA Mailing address listed below	mbugaj@snet.net
Doug Smith, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098	w9wi@w9wi.com
Greg Coniglio, 11825 Genesee St., Alden, NY 14004	wgrc@rochester.rr.com
Bruce Hall, 5 Stirton Ave., Brantford, ON N3T 1E2	dbruceaa@hotmail.com
Keith McGinnis, 6 Ritter Road, Hingham, MA 02043	longwave@comcast.net

THE MAILBOX and all general club correspondence:

Mike Bugaj at WTFDA, PO Box 501, Somersville, CT 06072	mbugaj@snet.net
--	-----------------

SATELLITE NEWS

George Jensen, 4604 Antana Ave., Baltimore, MD 20206-4220	scisatman@aol.com
---	-------------------

TV NEWS

Doug Smith, 1389 Old Clarksville Pike, Pleasant View, TN 37146-8098	w9wi@w9wi.com
---	---------------

FM NEWS

Chris Kadlec, 3860 Shorewood Dr., Fremont, MI 49412	ckadlec@beaglebass.com
---	------------------------

PHOTO NEWS

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817	jkruszka@bellsouth.net
---	------------------------

EASTERN TV DX

Matt Sittel, 15013 Eureux Circle, Bellevue, NE 68123	mcsittel@cox.net
--	------------------

WESTERN TV DX

Dave Williams, 3525 SW Timber Ave., Redmond, OR 97756	beansdad@bendcable.com
---	------------------------

SOUTHERN FM

John Zondlo, 4009 Driftwood Cir., Yukon, OK 73099	sfm@fmdxweb.com
---	-----------------

NORTHERN FM

Keith McGinnis, 6 Ritter Rd., Hingham, MA 02043	longwave@comcast.net
---	----------------------

TV and FM STATISTICS

Fred Nordquist, 147 Travis Hill Road, Moncks Corner, SC	nordquis@homexpressway.net
---	----------------------------

6 METER/2 METER

Peter Baskind, 3225 Forest Hill-Irene Rd, Germantown, TN 38138	n4li@arrl.net
--	---------------

<u>BACK ISSUES</u> Dave Nieman, PO Box 17, Clarence, NY 14031-0017	nieman@localnet.com
---	---------------------

We have a large selection available for \$1.00 each. Email or write Dave for availability.

<u>WEBSITE</u> Tim McVey Webmaster http://www.anarc.org/wtfda/	tkmcvey@erols.com
---	-------------------

