

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

APRIL 2007

The Magazine for TV and FM DXers

GET UP ON THE ROOF



22
MONTHS
REMAINING UNTIL
ANALOG TV SHUTOFF

AND GET READY FOR DX!

Les Prus is ready, are you?

Boise is Calling the NRC
and the WTFDA.
Make your plans now!



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.



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Chris Kadlec, Peter Baskind and John Zondlo,

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

APRIL 2007



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.**



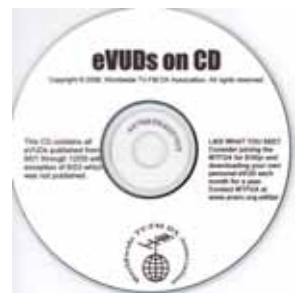
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No DX reports at all, plus illness and taxes make this a very thin issue this month. We need some DX!

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!



Frank Aden Hosts the 1st NRC/WTFDA Convention!

Friday, August 31, 2007 through Sunday, September 2, 2007
At the Rodeway Inn, 1115 North Curtis Road, Boise, ID 83706
(208) 376-2700

The First ever Combined National Radio Club/WTFDA Convention!
Registration for all is \$15, spouses are \$10 and kids under 14 are free. The cutoff date for registering with the club(s) is August 15, 2007; with the hotel, August 20, 2007.

PLEASE SEND YOUR REGISTRATION TO EITHER CLUB



The Mailbox

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

WE'RE HERE!

And I bet you thought the VUD was supposed to be late this month. Well, it was. My wife and I should have been out on the west coast right about now, but thanks to severe bouts of bronchitis, we decided to postpone our visit for a couple of months and schedule it for a time that makes publishing your VUD a little easier.

On March 22nd, the FCC adopted final HD radio rules, effectively removing HD radio from experimental status and pushing it into the mainstream. What the FCC did not do (yet) was mandate a drop-dead date for 100% adoption of HD radio.

I don't think their decision was a shocker for anyone in the WTFDA. We all knew what decision was coming so we were all prepared to some extent for the results. And so far, none of us has jumped off a bridge over this.

MEMBERS AND MORE

This month we say hello to **Dale Rosen**, our newest WTFDA member. Dale lives in Sugar land, TX, a very sweet town, and DXes FM with a Yamaha RX-V992 AV receiver with an antenna up in the attic. Welcome, Dale! Hope you enjoy it here!

During the period 2/21 to 3/20 we found renewals in the mail from **Carlton Howington** (FL), **Nate Ely** (WI), **Bob Garchak** (PA), Aaron Mitterling (IN), **Harry Hayes** (PA), **Dave Allen** (IL), **Tim Katlic** (NY), **Frank Drobny** (CA), **Marcus Barboni** (PA), **Allan Dunn** (MA), **Greg Barker** (IN), **Bill Dvorak** (WI), **Bill Draeb** (WI), **Dave Legler** (MN), **Luis Franceschi** (PR), **Milton C. Bay** (KY) and **Joe Kureth** (MD). Thanks everyone for your support!

Bill Dvorak writes: "*Currently I am waiting for spring so that I can get my antenna installed on the new home*". And I need to put up a new rotor for my TV antennas and I noticed there's still a little snow on the roof (March 22nd).

Gary Olson writes regarding the old AIPA photos in the last issue: "*The bottom photo was the 1960 convention (see the numbers running vertically next to the AIPA sign) (now I see them – Mike) held at Tom Hidley's home in Chicago. It was my first convention and I met many TV DXers for the first time in my life. It brings back many memories. A lot of these*

folks have passed away. The upper photo was probably taken a year or two before I was an AIPA member.

Bob Cooper also emails that during April there will be a satellite trade show in Atlanta and part of that will be a "20th C-Band reunion" of old timers who pioneered in the C-band from the late 70s into the late 80s. On Friday, April 19th from 6-8pm there will be a web televised dinner ceremony. The dinner will be web-available at <http://www.satelliteguys.us>. The event is called Old Fogies Gumming Chicken and Getting Drunk. I hate to break it to you guys but prune juice won't do it.

The dinner ceremony will be shot with three cameras and it will be shown in HD, for some unknown reason. Bob asks that if someone records it on a DVD, he would love to have a copy of it sent to him in New Zealand.

Also Bob will again be at the Dayton Hamfest in mid-May, at the M-Squared booth. Drop by, bring some prune juice and say hi.

FCC Adopts Final HD Radio Rules (03-22-07)

The FCC this morning adopted final digital radio regulations that allow FM radio stations to commence digital multicast operation without prior FCC approval, and which permit AM stations – which have been limited to daytime-only digital operation – to commence hybrid digital nighttime operations.

The order also permits FM stations to use separate analog and digital antennas without applying for special temporary authority, and permits FM stations to operate in the "extended" hybrid mode, which affords an extra 50kb of space of data carrying capability.

Additionally, FM booster and Low Power FM stations are now permitted to operate digitally.

The order requires all stations operating in digital to offer a free digital signal that is comparable in quality to its analog signal, and that stations digitally simulcast all content heard on the analog signal.

The FCC also adopted what it called a "flexible bandwidth" policy that allows stations to transmit multicast signals and data streams at their discretion.

In a move that could prove lucrative to broadcasters, the FCC will allow stations to lease additional bandwidth to third parties, subject to certain regulatory requirements.

The commission also extended all existing emergency alert, political broadcasting, station identification, and sponsorship identification rules to all free digital program streams.

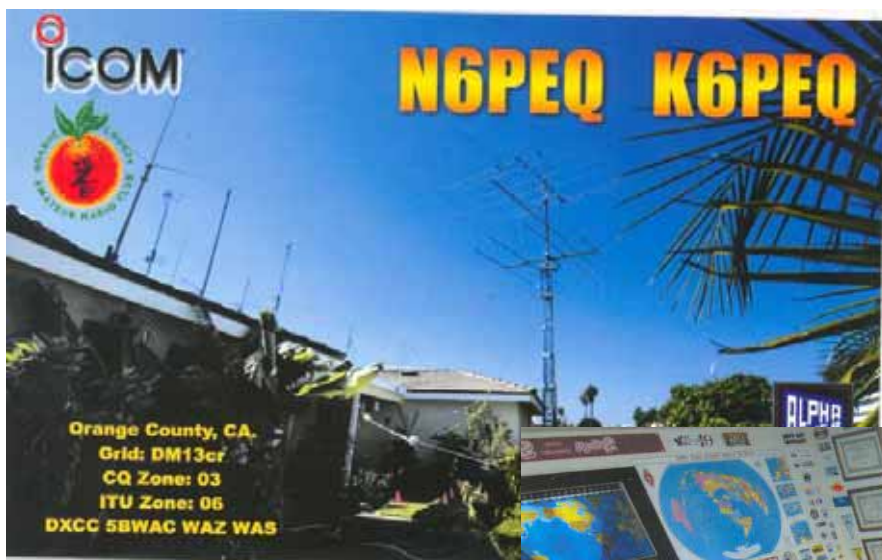
The agency held back on enforcing a mandatory digital conversion schedule on radio stations, and will not allow stations to convert to exclusive digital operations at this juncture.

The order defers a decision on whether the FCC should impose content control

requirements on archiving and redistributing digital broadcast recordings aired by digital radio stations since industry negotiations on the issue are ongoing.

The decision comes eight months after the FCC unceremoniously pulled back from releasing the rules over wrangling among the commissioners over whether to impose new public interest obligations on digital radio broadcast. Under today's order, no new public interest obligations were adopted. (Posted on the tvfmdx and amdx lists by Kevin Redding on 3/22).

And now, Dan Dankert's QSL card...



Thanks, Dan, for sending in the card. Whoever designed it should be doing VUD covers. Now we know who keeps CompUSA in business.

Thanks for reading (and looking at the pictures). We'll see you next month! -Mike

HF (Station #1): Icom IC-7800/Kenwood SM-230/Alpha 9500 Amplifier
HF (Station #2): Kenwood TS-950SDX/Kenwood SM-230/Alpha 775X & Alpha 87A Amplifiers

HF Antenna System:
10 Meters: 5 Element Yagi (Force-12 C19XR) 12 Meters: Dipole
15 Meters: 3 Element Yagi (Force-12 C19XR) 17 Meters: Dipole
20 Meters: 3 Element Yagi (Force-12 C19XR) 160 Meters: Dipole & Sloper
30 Meters: 2 Element Yagi (Force-12 EF-240/230) & Sloper
40 Meters: 2 Element Yagi (Force-12 EF-240/230), Dipole & Sloper
80 Meters: Dipole & Sloper

50 MHz: Icom IC-7800/Kenwood TS-2000X/Alpha 6 1500 Watt Amplifier with 9 Element M2 Yagi, Comet Vertical & M2 HO-Loop

144 MHz: Kenwood TS-2000X/Kenwood TS-711A/TE Systems 400 Watt Amplifier Vertical & M2 HO-Loop Stack

222 MHz: Icom IC-375A/Yaesu FT-736R/Mirage 250 Watt Amplifier with 10 Elem

432 MHz: Kenwood TS-2000X/Icom IC-471H/Kenwood TS-790A/Yaesu FT-736R with 28 Element M2 Yagi, Comet Vertical & M2 HO-Loop 4-Stack

1296 MHz: Kenwood TS-2000X/Kenwood TS-790A/Yaesu FT-736R/Kenwood TR150 watt Amplifier with 55 Element Directive Systems Loop Yagi, 35 Element M2

Microphones (Hell Sound): Wattmeters (Alpha 4510, Alpha 4520 & Bird 43P); Prea Mirage; HF/VHF Bandpass Filtering (ICE); HF/VHF Remote Antenna Switching (ICE 54SDSP Receiver), SWL RTTY/Digital demodulator (Universal M-8000); KIWA MW L

Got a Question? Get the Answers Here!

ICOM eHam.com

Dan- **N6PEQ** Kristin- **K6PEQ**
 Confirming QSO With
 Confirming SWL Report

Dan & Kristin Dankert
 13672 Fairmont Way
 Tustin, CA 92780-1811 USA

Via	Date	UTC	MHz	RST	2-way
To Radio	WTFDA				

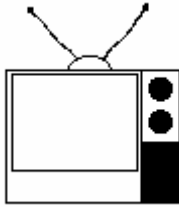
Shack Tel: +1 (714) 544-9846
N6PEQ email: n6peq@dxer.com
K6PEQ email: k6peq@scdxc.org
http://www.n6peq.com

In 1974 at the age of 3, Dan N6PEQ was introduced to the world of radio, by his grandfather W6Ril (now SK) and his father N6EGC. He quickly became an avid SWL with the identifier "KDX6T" In 1986, Dan became a ham and was issued the callsign "K86M2M" A quick license upgrade resulted in his current callsign "N6PEQ" Dan is an active DXer, Contester, DXpeditioner and SWL on frequencies up to 2 GHz. He is a life member of INDEXA, C5VHF, & 10-10 International (#65821), as well as a member of SCCC, W5W5S, QRP ARCL SBMWS, NASWA, SCADS, WTFDA, ODXA & WDXC, and a charter member of the Yamon DX Federation (W6YDX). Enjoying numerous DXpeditions, Dan has held or holds the following calls: A3SDD, 579DD, 592DD, T20DD, T31DD, V47DD, V63CG, ZF2RE, ZK1PEQ, 151DD, 3D2CQ, 5W0DD, 8PREG, /FM, /J37, /NH6, /PD, /PM, /P40, /KP2, /KP4 & /CO2.

Kristin K6PEQ received her ham license in 2002. She is extremely active in several ham radio organizations, including past chairman of both OCCARO and the Orange County Fair ham radio booth and a board member of OCARC (W6ZE). She also enjoys DXpeditioning and ARRL Field Day.

Dan & Kristin both participate in the International DX Convention in Visalia, CA, are both life members of the ARRL, and members of SCDXC (W6AM), OCARC (W6ZE) & OMIX. They are charter members of the Pine Colada Contest Club "PCCC" (KP2AA). Previous PCCC DXpeditions include Puerto Rico (NP4A) in 2002, Cuba (CO0US & T42FD) in 2003 & St.Croix-USVI (KP2AA) in 2004 & 2005

1/3/00 uree



TV News

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<http://www.w9wi.com>

April 2007

Abbreviations:

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

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*)

Guam:

Agana 5 **KGTF-DT** **PG 80w/173m, 13-29-17/144-49-37**

Puerto Rico:

Aguada 49 **W49CZ-D** **NS DCC 1kw for W63BF**

Guayama 23 **WXWZ-** **NS DCC 700w**

Mayaguez 29 **WORA-DT** **PG 650kw/ 634m**

Mayaguez 31 **W31DE-D** **NS DCC 100w for W51DJ**

San Juan 32 **WTCV-DT** **PG>50kw/84718-18-36/65-47-41**

San Juan 55 **WIPR-DT** **PG 500kw/ 776m**

San Juan 62 **WWXY-LP** **CC from W62CW**

Alabama:

Berry 15 **WSSF-LP** **AF DCC 15kw, 33-41-16/87-33-55**

Birmingham 4 **W04NS** **NS DCC 50w for DCC-D W34BI**

Demopolis 22 **WJMY-LD** **NS DCC 10kw**

Dothan 15 **WDTH-LP** **CC from WUJF-**

Dothan 21 **WDHN-DT** **PG 1000kw/ 205m, 31-14-25/85-18-43**

Jasper 16 **W55BJ** **AF DCC 15kw, 33-50-42/87-18-26**

Montgomery 51 **WNCF-DT** **PG 10.9kw/ 246m, 32-22-04/86-15-42**

Moody 43 **WBMG-** **NS DCC 100w**

Alaska:

Anchorage 26 **960916KE-DT** **AF 50kw/ 208m (DTV for analog permit on ch. 9)**

Anchorage 43, **K43KP-D,** **NS DCC 11kw for**

Delta Junction 47 **K47KW-D** **K41DP, K45HQ**

Fairbanks 4 **K04QO-D** **NS DCC for K05FI**

Fairbanks 2 **KATN** **PC>26.7kw/ 218m, 64-55-20/147-42-49**

Fairbanks 18 **KATN-DT** **PR<16kw/230 64-55-20/147-42-49**

Healy 10 **K10PT-D** **NS DCC for K07ND**

Kenai 10 **K10NC** **DR dismissed**

Palmer 9 **K09JE** **DR dismissed**

Arizona:

Flagstaff 23 **K23HB** **NW 10w, 35-14-28/111-36-35 (last reported with test pattern)**

Globe 50 **KDOS-LP** **NW 9.95kw, 33-17-21/110-49-45 (Univision)**

Kingman 16 **K16GB** **PG 100w, 35-13-09/114-00-58; NW**

Phoenix 20 **KPAZ-DT** **NW 500kw/ 489m**

Arkansas:

Little Rock 17 **K55GE** **AF DCC dismissed**

Springdale 57 **KWOG** **CC from KSBN-TV**

California:

Alturas 51 **K51KG-D** **NS DCC 250w for K60AR**

Bakersfield	12	KTBV-LP	DR from ch. 2	Basalt	11,	K11WA-,	NS DCC 20w for
Bakersfield	27	K27HY	AF dismissed		13,	K13ZB-D,	K33HY, K36GX,
Bakersfield	34	KVPT-LP	XC 35-26-16/ 118-44-28		16,	K16HL-D,	K07KR, K05MB
Bishop	20	960919KZ	PG 4.2kw/ 924m, 37-24-43/ 118-11-06	Boulder	24	K24HQ-D	NS DCC 250w for K44CT
Cedarville	51	K71AF	QR from ch. 71 (?!), 570w	Canon City	28	K28KC-D	NS DCC 10w for K12ME
Chico	11	K11VZ-D	NS DCC for K02OA	Carbondale	19,	K19HG-,	NS DCC 700w for
Chico	31	KKPM-CD	NS DCC 90w (has applied to move to ch. 41 with 7.4kw)		21	K21IZ-D	K29CK, K48IC
Chico	35	K35HY	XG 39-57-49/ 121-42-38 (correction only)	Carbondale	38	K31CW	AF DCC dismissed
Chico	51	KBIT-LD	DC 15kw, 39-57-29/ 121-42-49	Cripple Creek	5	K05MD-D	NS DCC for K30IK
Coalinga	27	KJKZ-LP	XC 36-44-45/ 119-16- 57; CL from Fresno	Denver	38	KHDT-LP	QR from ch. 45, 10w
Dunsmuir	23	K23JE-D	NS DCC 250w for K02CN	Denver	39	K39JN-D	NS DCC 30w for K49IB
Forest Falls	30	KNLZ-LP	DR from ch. 29 reinstated, 200w	Denver	56	K56JK-D	NS DCC 3kw for K26HQ
Fort Jones	24	K24HS-D	NS DCC 250w for K06KA	Denver	58	K58IY-D	NS DCC 1kw for K42GS
Fresno	5	K12OZ	AF DCC dismissed	Estes Park	39	K39JT	NS 400w, 40-25-13/ 105-26-39
Fresno	31	KBID-LP	PC>100kw, 36-44-05/ 119-47-26	Glenwood Springs	18	K18ID-D	NS DCC 250w for K42EV
Joshua Tree	21	K14JT	AF DCC dismissed	Hesperus	2	K02QI	NW 10w, 37-17-01/ 108-01-01 (KREZ-6)
La Jolla	35	K35DG	DR dismissed	Montrose	16	K19CE	AF DCC dismissed
Lakeport	33	KULC-CA	CC from K33CH	Redstone	26,	K26IT-D,	NS DCC 20w for
Lakeport	46	KBDJ-CA	CC from K46DR		28,	K28JY-D,	K02IO, K04HP,
Lucerne Valley	33	K33DK	FC; sold by TBN		30	K30JQ-D	K09XN
Martinez	49	K49HV	NW 5kw, 33-48-07/ 116-13-28	Rifle	20	K20JH-D	NS DCC 250w for K57CR
Palm Springs	20	K20HZ	NW 2.5kw, 33-52-03/ 116-25-58	Romeo	49	K49JW-D	NS DCC 170w for K63AN
Redding	2	KMCA-LP	PC<20w, 40-33-51/ 122-26-00	Salida	20	K20JG-D	NS DCC 250w for K44CI
Redding	23	KRDT-CD	NS DCC	Thomasville	2, 6	K02QK-D, K06OQ-D	NS DCC 20w for K04PO, K05JA
San Bernardino	26	KVCR-DT	PG 475kw/ 510m	Upper Fryingpan River	10	K10PR-D	NS DCC 10w for K09LE
San Francisco	24	KFTL-CD	NS DCC 4w	Connecticut:			
San Luis Obispo	11	K11WB-D	NS DCC for K60GN	Hartford	7	WHCT-LD	NS DCC 280w
San Luis Obispo	34	KTAS-DT	PC 80.4kw/ 453m	Stamford	17	W17CD	PC<75kw, 41-03- 54/73-32-04
Santa Barbara	4	KBAB-LD	NS DCC	Stamford	27	W27CD	XC 41-03-41/ 73-32-03
Santa Barbara	18	KZDF-LD	NS DCC 850w	Stamford	34	W34DR-D	NS DCC 500w for W17CD
Santa Barbara	39	KWHY-LD	NS DCC 150w	Delaware:			
Seiad Valley	18	K18IF-D	NS DCC 250w for K12JD	Rehoboth Beach	59	WRDE-LP	PG 160w, 38-44-51/ 75-11-21
South Lake Tahoe	48	K48LA-D	NS DCC 230w for K12PP	Wilmington	36	W55BT	QR from ch. 55, 4kw, 40-02-30/ 75-14-12
Stateline	40	K40JV-D	NS DCC 120w for K43DB	District of Columbia:			
Stockton	13	KOVR	AF 316kw/ 455m, 38-14-50/ 121-30-03 (aux)	Washington	21	WDDN-	NS DCC 1kw
Victorville	39	K39GY	FC; sold by TBN	Washington	25	WZDC-LP	QC from ch. 64, 28.3kw, 38-56-24/ 77-04-54
Vista	50	K26FA	AF DCC, 100w, 33-00- 33/ 116-58-18 dismissed; DR10kw on ch. 26	Washington	31	WDWA-LP	AF DCC dismissed
Weaverville	26	960920KV	AF dismissed	Florida:			
Colorado:				Daytona Beach	47	WDYB-LD	NS DCC 200w
Aurora	23	KDEO-LP	PC>50.2kw	Fort Myers	24	WTPH-LD	NS DCC
				Fort Pierce	24	WFPI-LP	AF DCC dismissed
				Key West	11	W11DF-D	NS DCC for W05CJ

Key West	19 WEYW-LP	NW 2kw, 24-33-18/ 81-48-07; CC from W19CV			21-22-55/ 158-06-19
Key West	41 WGAY-LP	QC from ch. 69, 10kw, 24-34-20/ 81-44-25	Honolulu Lihue	46 KHLU-LD 69 K69BZ	DR dismissed PC<580w, 21-58-36/ 159-29-54
Kissimmee	15 WKME-CA	CC from WTMO-LP	Idaho:		
Lake City	39 WUJF-LP	CC from W39BZ	Boise	35 KUNB-LP	CC from KUNS-LP
Lealman	17 W17DB-D	NS DCC 450w for W43CE	Burley	24 K24HU-D	NS DCC 250w for K61AP
Live Oak	26 WSSH-LP	CC from W26CZ	Challis	22 K22IM-D	NS DCC 250w for K05CJ
Matecumbe	57 W57DU-D	NS DCC for W40AA	Dingle	7 K07YU-D	NS DCC 10w for K09PL
Miami	48 WFUN-LP	PR>150kw, 25-59-09/ 80-11-37; PG	Georgetown	16 K16HQ-D	NS DCC 200w for K17CO
Miami	54 WEYS-LD	NS DCC 1kw	Hollister	23 K23IF-D	NS DCC for K30HK
Naples	16 W16CJ	QG from W56DW, 26.6kw	Leadore	19, K19HN-, 23 K23JH-D	NS DCC 250w for K13RV, K61CI
Naples	46 WXCW	CC from WTVK	Malad	45, K45KH-, 49, K49KB-D, 51, K51KF-D, 56 K47LI-D	NS DCC 910w/1.6kw/1.6kw/910 w for K56BM, K58AR, K60AZ, K56BM (yes, two for K56BM, and K47LI on ch. 56...)
Orlando	31 WTMO-CA	CC from WPXG-LP			
Orlando	42 WTWD-LD	NS DCC 9kw	Pocatello	24 KPPP-LP	CC from KUNP-LP
Panama City	21 W21CU-D	NS DCC for W40BU	Preston	20, K21JD-D, 24 K24HX-D	NS DCC 770w (ch. 20) / 110w (ch. 24) for K19EW, K48IJ (yes, K21JD-D on channel 20)
Panama City	69 WCTU-LP	CC from W69DH	Rexburg	22 K22IK-D	NS DCC 250w for K12MA
Pensacola	6 W06CL-D	NS DCC for W19CO	Sandpoint	18 K18HQ-D	DR 280w
Pensacola	31 WSRE-DT	NW 1000kw/ 549m, 30-36-40/ 87-36-27	Soda Springs	30 K30JW	NS 150kw, 42-37-59/ 111-41-30
Perry	29 WSFD-LP	CC from W29CH	Twin Falls	14 KTWT-LD	NS DCC
Rock Harbor	64 W64AN	DR 15kw, 25-32-24/ 80-28-07	Illinois:		
Tampa	11 WVEA-LD	NS DCC	Aurora	22 W22DG	NS DCC for W24AJ
Yankeetown	45 WGCT-LD	NS DCC	Carthage	30 WCRD-	NS DCC 12.5kw
Georgia:			Champaign	48 WCIA-DT	NW 1000kw/ 245m
Albany	31 WFXL	PG 60kw/ 253m	Chana	21 WBKM-	NS DCC
Baxley	34 WGSA	PR>5000kw/ 364m, 32-00-05/ 81-51-15 dismissed	Chicago	12 WOCK-	NS DCC 100w
Baxley	35 WGSA-DT	PG 1000kw/ 349m, 32-02-48/ 81-20-27	Chicago	39 WWME-	NS DCC 1.6kw
Carrollton	13 W13DJ-D	NS DCC 100w for W49AD	Holcomb	26 WRDH-	NS DCC 1kw
Cleveland	23 W23DO	PG 87kw, 34-30-32/ 83-48-27; CL from Blairsville	Mount Vernon	21 WPXS-DT	PG 350kw/ 91m, 38-41-19/ 89-33-38
Macon	40 WMGT-DT	NW 110kw/ 189m	Quincy	14 W14DD-D	NS DCC 100w for W26DA
Marietta	49 W55BM	PR 23.8kw, 34-03-58/ 84-27-14; DR from ch. 55 dismissed	Rockford	8 WOFL-CA	PR>500w, 42-19-20/ 89-00-41
Monroe	44 WHSG-TV	PR<301m, 33-44-40/ 84-21-36 dismissed	Rockford	35 WFBN-LD	NS DCC 3.5kw
Savannah	30 W30CM-D	NS DCC from W57CT, 15kw	Rockford	42 WQRF-DT	PG 900kw/ 148m, 42-17-14/ 89-10-15
Waycross	45 W45CU	QC from W54CW, 19.8kw, 31-15-49/ 82-17-30	Sugar Grove	40 W54BE	DR from ch. 54, 15kw, 41-47-46/ 88-27-30
Waycross	45 W54CW	QC from ch. 54, 19.8kw	Indiana:		
Hawaii:			Evansville	28 WTVW-DT	NW 1000kw/ 273m
Hilo	38 KHOH-LP	CC from WDCN-	Evansville	36 W36DF	QC from W56DN, 13.5kw
Honolulu	18 KHET-DT	NW 9.5kw/ 637m, 21-24-03/ 158-06-10	Evansville	41 WTSN-LP	QC from ch. 63, 13.2kw
Honolulu	35 KHNL-DT	NW 5.9kw/ 453m,	Lafayette	43 WAJN-LP	PR>9.55kw; CL from Brookston
			South Bend	23 WMYS-	NS DCC
			South Bend	49 WBND-	NS DCC

Sullivan 8, WVGO-, NS DCC 300w (ch. 8) /
33, WHFE-, 3kw (ch. 33) / 15kw
50 WKMF-LD (ch. 50)
Terre Haute 36 WTWO-DT PG 1000kw/ 248m

Iowa:

Ames 40 K40JX-D NS DCC 2.5kw for
K48FZ

Cedar Rapids 46 KRUB-LD NS DCC 100w
Council Bluffs 27 K27JH-D NS DCC 1.2kw for
K54GL

Davenport 7 WBQD- NS DCC
Ottumwa 14 KYOU-DT NW 7.94kw/ 332m
Spencer 52 WTWB-LP PR>4.5kw,
43-15-20/
94-58-35; PG; NW

Storm Lake 35 KCWL-LD NS DCC 5kw
Storm Lake 57 KCWL-LP PR<7.1kw,
42-40-06/
94-59-35; PG; NW
(KPTH-44)

Kansas:

Chanute 40 KJCA-LP CC from K40HR
Concordia 50 NEW-LP AF 50kw,
39-52-48/
97-39-30 reinstated

Garden City 43 K43LI AF RE 14kw,
37-59-42/
100-52-42 (TBN); NS

Pittsburg 21 KSPJ-LP AF DCC dismissed
Wichita 49 KGPT-CA CC from KTQW-CA

Kentucky:

Glasgow 11 WKUG- NS DCC
Louisville 34 WBKI-CD NS DCC
Martin 45 WVVK-LP CC from W45CR
Paducah 50 WDKA-DT NW 195kw/ 327m

Louisiana:

Baton Rouge 48 K58GB QC from ch. 58,
12.9kw

Lake Charles 45 K45HY PG 50kw,
30-16-05/
93-14-45; NW

Lake Charles 69 K69IX NW 50kw,
30-16-05/
93-14-45

New Orleans 27 WTNO-LD NS DCC 8.5kw

Maine:

Bangor 7 WVII-TV PR 79kw/229m

Maryland:

Lake Shore 69 WQAW- PC<39.8kw
Ocean City 26 W63DC QR from ch. 63, 19kw,
38-23-12/
75-17-27

Salisbury 22 W22DH-D NS DCC for W23CX
Salisbury 49 W49DC-D NS DCC for W24CW

Massachusetts:

Boston 3 WTMU- NS DCC
Boston 24 WFXZ-CD PC>45kw
**Worcester 29 WUNI-DT PR 165kw/ 468m,
42-20-09/
71-42-57**

Michigan:

**Cadillac 40 WWTV-DT NW 191kw/
427m**

**Cadillac 47 WFQX-DT NW 500kw/ 393m,
44-44-53/**

Traverse City 12 WLLZ-LP **85-04-08**
PC>1.23kw; CL from
Cedar

Minnesota:

Albert Lea 56 K56JM AF RE 10kw,
43-73-40/
93-21-49; NS (TBN)

Geneva 48 K48KJ NW 20kw,
43-49-03/
93-17-33 (3Abn)

Hackensack 44 K44HZ DR 5kw
Lake Crystal 43 K43JE DR 15kw
Redwood Falls 50 K60AO QC from K60AO, 900w
Walker 25 K65DT QC from ch. 65, 850w,
47-05-36/ 94-34-47

Mississippi:

**Natchez 49 WNTZ-DT PR>790kw/
549m,
31-52-33/
90-54-35 dismissed**

Missouri:

Branson 36 KBNS-CD NS DCC
Columbia 32 KZOU-LP QG from ch. 11,
33.1kw,
38-47-28/
92-17-43

Columbia 58 K58JB AF RE 20kw,
38-57-18/
92-16-20 (TBN); NS

Moberly 46 K46JW AF RE 5kw,
39-25-42/
92-26-33 (TBN); NS

Springfield 11 KDSI-CD NS DCC
Springfield 28 KSFJ-DT NW 1000kw/ 493m
Springfield 52 KOLR-DT NW 1000kw/ 493m
St.Louis 24 KNLC PC<1148kw/ 396m

Montana:

Billings 48 K48IQ PR>9kw,
45-45-37/
108-27-09; PG; AF
DCC ch. 16 dismissed

Bozeman 23 KJCX-LP AF DCC dismissed
Bozeman 30 KHJT-LD NS DCC 70w
Bozeman 41 K41KF-D NS DCC 500w for
K47IW

Colstrip 8, K08OC-, NS DCC 20w for
10, K10PO-, K07WJ, K09OY,
11 K11VW-D K13PV

Hardin 58 KQHD-LP CC from K58HS
Helena 23 KJJC-LP AF DCC dismissed

Pablo/Ronan 46 KSKC-CD NS DCC 5kw
Rosebud 8, K08OD-, NS DCC 20w for
10 K10PP-D K07QK, K09OK

Nebraska:

Blair 24 K24GO QC from K68AV, 60w,
41-31-53/ 96-08-12

North Platte 11 K11TW-D DR dismissed
North Platte 27 WSW- NS DCC
North Platte 30 KMBB-LP NW 170w,
41-08-14/
100-45-37 (TBN)

South Sioux City 12 KSXC-LD NS DCC
Valentine 31 WCWY-LP DG<1kw,
42-53-22/
100-33-15;DC

Nevada:

Alamo 8 K08OH-D NS DCC 100w for

Ely 36 K36JJ *K10NV*
NS 150kw,
39-15-53/
114-53-35

Goodsprings 36 K36IZ-D *NS DCC 600w for
K02FM*

Indian Springs 13 K13ZA-D *NS DCC 160w for
K07JC*

Jean 34 K34JL-D *NS DCC 600w for
K23BS*

Las Vegas 6 *KVPX-LD*
Las Vegas 16 *KINC-DT*
*NW 1000kw/ 571m,
35-56-46/
115-02-34*

Las Vegas 23 KLVD-LP *PC>87kw,
36-00-36/
115-00-20*

Las Vegas 36 *K43FO*
Las Vegas 38 *KHDF-CD*
Mesquite 25 *K25JR-D*
*NS DCC 520w for
K02FN*

Mesquite 45 KWWB-LP *PC<1kw,
37-09-19/
113-52-53*

Nixon 56 K56IG *PR<30w,
39-45-22/
119-27-37; PG; NW
(KRXI-11)*

Overton 43 *K43LD-D*
*NS DCC 1.38kw for
K02FJ*

Tonopah 11 K11WE *NS 3kw,
38-04-30/
117-13-14*

Tonopah 45 K45KK *NS 49kw,
38-04-30/
117-13-14*

Winnemucca 53, *K53JF-D,*
55, *K55KF-D,*
57 *K57JR-D*
*NS DCC 100w (chs.
53/57) / 200w (ch. 55)*

New Jersey:
Camden 33 WZPA-LP *PR>150kw,
40-02-30/
75-14-12; PG; PC; CC
from WXSJ-LP; FC to
TV Azteca*

New Mexico:
Alamogordo 36 KKNJ-LP *CC from KPWB-LP*
Deming 29 NEW-LP *AF reinstated 10kw,
32-15-04/ 107-45-25*

Fort Sumner 21 *K21IM-D*
Silver City 4 *KSIL-LP*
Silver City 8 *KOOT-LP*
NS DCC for K34GU
PR<20w
*PC 750w,
32-49-29/
108-14-54*

Taos 30 K30HS *PR<1kw,
36-19-02/
105-47-54*

Thoreau 31 K31JR *QC from K36FD,
1.09kw,
35-28-06/
108-14-26*

Tres Piedras 28 K28GV *XG 36-51-34/
106-01-07; XC*

New York:
Cobleskill 41 WUCB-LP *NW 900w,
42-39-03/
74-31-25 (religious)*

Corning 50 *WYDC-DT*
*PG 760w/ 224m,
42-08-31/
77-04-40*

Gouverneur 9 NEW-LP *AF RE 475w,
44-19-47/
75-27-21; Canadian
objection resolved*

Port Jervis 42, *W42CX,*
26, *W26DB,*
32, *W32DC,*
34, *W34DI,*
46, *W46DQ,*
52, *W52DW,W5*
55, *5DK, W59EA*
59

Utica 29 *WKTV-DT*
NW 708kw/ 402m

North Carolina:
Buxton 14 *WPDZ-LP*
Buxton 41 *WRZY-LP*
Charlotte 13 *WDMC-*
Charlotte 21 *W34BN-*
Goldsboro 8 *WHFL-LD*
Highlands 35 *W35CK-D*
CC from W14CR
CC from W41CM
NS DCC
DR 90w
NS DCC
*NS DCC 600w for
W27BD*

Lumberton 35 *W35CC*
Manteo 59 *K59ID*
DR 8kw, but dismissed
*NW 10.8kw,
35-51-52/75-39-01*

Morehead City 24 *WFXI-DT*
Raleigh 41 *WWIW-LP*
Statesville 21 *W66BT*
PG 1000kw/ 216m
QR from ch. 66, 54kw
*QC from ch. 66, 9kw,
35-48-15/
80-53-30*

Wilmington 30 *WSFX-DT*
NW 80kw/ 590m

North Dakota:
Bismarck 16 *KBMY-DT*
Fargo 19 *KVRR-DT*
Minot 41 *K41JL*
*PG 1.6kw/7m, 46-48-
23/
100-44-36*
PG 1000kw/ 348m
*NS 4.44kw,
48-09-48/
101-17-55*

Ohio:
Bowling Green 56 *WBGU-DT*
Columbus 35 *WCLL-CD*
Lima 8 *WLIO-DT*
Marietta 4, *W04DH-,*
13 *W13DL-D*
NW 200kw/ 306m
NS DCC 5kw
NW 27.5kw/ 148m
*NS DCC 250w (ch. 4) /
300w (ch. 13) for
W64CS, W22CU*

Springfield 24 *W24DG*
Youngstown 35 *W35CP-D*
NS DCC 5kw
*NS DCC 500w for
WYFX-LP*

Oklahoma:
Enid 31 *KXOK-LD*
Lawton 25 *K25IC*
NS DCC 40w
*NW 110w,
34-33-57/
98-23-23*

McAlester 18 *KEGG-LD*
Oklahoma City 38 *KOHC-LP*
NS DCC
*QC from ch. 7, 50kw,
35-21-46/
97-26-57*

Oklahoma City 48 *KWDW-LP*
*QC from ch. 69,
18.1kw,
35-32-51/
97-29-30 (makes STA
permanent)*

Oregon:
Ashland 19 *K19HI-D*
Bend 50 *KUBN-LP*
Brookings 41 *K41KJ-D*
*NS DCC 250w for
K04EO*
DR dismissed
*NS DCC 250w for
K10LR*

Burns	39, K39JP-D, 45 K45KF-D	NS DCC 250w for K41HZ, K43IH	Texas:		
Carpenterville	17 K17IM-D	NS DCC 250w for K60BJ	Abilene	14 KAFW-LD	NS DCC
Chemult	36 K06LI	AF DCC dismissed	Abilene	24 KTAB-DT	PG 1000kw/ 258m
Coos Bay	21 KCBY-DT	NW 5.1kw/ 188m	Abilene	47 K49HW	AF DCC dismissed
Eugene	25 KVAL-DT	NW 27kw/ 395m	Abilene	49 K49HT	NW 30.99kw, 31-55- 13/ 98-32-42
Gold Hill	31 K31JS-D	NS DCC 250w for K04JZ	Amarillo	19 KAMR-DT	PG 400kw/ 455m, 35-20-33/ 101-49-21
Grants Pass	50 K50FW	PC>2.81kw, 42-24-43/ 123-16-54	Amarillo	24 KDAX-LP	QR from ch. 13, 14.25kw, 35-15-41/ 101-52-52
La Grande	16 KUNP	CC from KPOU	Amarillo	46 K46HQ	NW 100w, 35-13-53/ 101-46-42
Lakeview	15 K15HU-D	NS DCC 250w for K12IH	Austin	23 KXLK-CA	AF DCC, 15kw, 30-19- 20/ 97-48-03
Newberg	44 KOXO-CD	NS DCC	Austin	31 KTFO-CA	CC from KAKW-
Portland	34 KKEI-CD	NS DCC	Beaumont	9 KEBQ-LP	CC from KUMY-LP
Portland	47 KUNP-LP	CC from KPOU-	Beaumont-	22 KUMY-LP	CC from KEBQ-LP
Prineville	20, K20JK-D, 22 K22IL-D	NS DCC 250w for KQRE-LP, K66AZ	Orange		
Rainier	17, K17GV, 21, K21HG, 41, K41IP, 44 K44HM	PC 2.2kw, 46-09-46/ 122-51-05	Comanche	49 K49HT	DR 5.9kw, 32-16-32/ 98-01-22; CL from Abilene dismissed
Riley	19 KQRE-LP	CC from K19GC	Corpus Christi	69 KVVC-LP	NW 4kw, 27-47-26/ 97-27-01; CC from K69JB
Roseburg	25 K25FG	XG 43-14-08/ 123-19- 18	Dallas	7 KJJM-LD	NS DCC 100w
Salt Creek	14 KSLM-LP	CC from K14KW	De Soto	3 KHPK-LD	NS DCC 200w
Pennsylvania:			De Soto	12 KNAV-LD	NS DCC
Allentown	69 WFMZ-TV	NW 152kw/ 225m (aux)	Gainesville	69 KBFW-LP	XG 33-00-20/ 96-58-59
Philadelphia	13 WWJT-LP	NS DCC	Jasper	54 K54JK	FC; sold by TBN
State College	42 W42DG	NS DCC for W07CD	Laredo	21 NEW-LP	AF 5kw, 27-30-03/ 99-30-36 reinstated
Rhode Island:			Laredo	39 KXOF-CA	CC from KNEZ-
Providence	11 WRIW-LD	NS DCC 150w	Lubbock	15 KMYL-LD	NS DCC 3.7kw
South Carolina:			Lubbock	33 KJTV-CD	NS DCC 8.8kw
Greenville	27 WSQY-LD	NS DCC	Lufkin	14 KIBN-LP	QC from ch. 11, 10kw, 31-21-55/ 94-45-59
Myrtle Beach	32 WMBF-DT	PG 165kw/ 186m, 33-43-50/ 79-04-32	Lufkin	42 KLNLM-LP	PC>50kw, 31-21-32/ 94-40-19
North Charleston	29, WAZS- 31 WJNI-LD	NS DCC 10kw (both channels)	Paris	64 K64GQ	NW 10w, 33-39-42/ 95-30-42
South Dakota:			Pine Springs	59 NEW-LP	AF 1kw, 31-57-08/ 104-20-09 reinstated
Brookings	18 KESD-DT	PC>126.5kw/ 208m, 44-20-16/ 97-13-42	San Angelo	43 K43IQ	NW 900w, 31-28-10/ 100-27-06
Mitchell	16 K16HO-D	NS DCC 30w for K09UN	Sherman	34 K34HQ	XR 33-42-09/ 96-34-05
Vermillion	2 KUSD-TV	XC 43-03-01/ 96-47- 01 (suspect correction only)	Sweetwater	41 KSWR-LD	NS DCC
Wagner	8 K08OJ-D	NS DCC 30w for K55BG	Texarkana	15 KTAL-DT	PG 1000kw/ 454m
Watertown	43 K43KX-D	NS DCC 6.34kw for K45ID	Victoria	38 K38IG	XR 28-46-42/ 96-58-08; XG; PG 110w, 28-47-25/ 96-57-23
Tennessee:			Victoria	39 K39HB	NW 5kw, 28-47-23/ 96-56-20
Carthage	7 WKRP-LD	NS DCC	Victoria	42 KVCV-LP	CC from K42GO
Chattanooga	44 WYHB-	NS DCC	Victoria	49 K49IE	NW 1kw,
Gatlinburg	9 WDWC-LP	AF DCC dismissed			
Gatlinburg	11 WDLY-LD	NS DCC			
Memphis	13 WHBQ-TV	NW 316kw/ 219m (aux)			
Memphis	53 WHBQ-DT	PG 1000kw/ 234m, 35-10-29/ 89-50-42			
Memphis	59 WDNM-LP	CC from WJRJ-LP			

		28-46-45/ 96-56-32				113-17-12; NW (KSL-5)
Wichita Falls	36 K36GZ	NW 2.5kw, 33-52-48/ 98-35-18		Ogden	10 KULX-CD	NS DCC 240w
				Price	46 K27HU	AF DCC dismissed
Wichita Falls	40 K40HZ	NW 110w, 33-53-51/ 98-32-32		Rockville	31 167555	AF DCC 130w, 37-09-09/ 113-01-52 for K09CD
				Roosevelt	14 K48GZ	AF DCC dismissed
Utah:				Rural Beaver	19 K19GS-D	PG 150w, 38-31-14/ 113-17-12; NW
Apple Valley	21 K21IL-D	PR>70w				
Aurora	50 K50KG-D	NS DCC 80w for K53CF		Rural Beaver	30 K30GC	DC 250w, 38-31-14/ 113-17-12
Beaver	24 K24FE-D	DC 240w				
Beaver	30 K30GC-D	NW 250w, 38-31-14/ 113-17-12 (KUTV-2)		Rural Uintah	33 K16DA	AF DCC dismissed
				Salina	56 K56JL-D	NS DCC 4w for K21FL
Bicknell	45, K45JO-D, 52, K52JV-D, 54 K54JV-D	NS DCC 20w (chs. 45/54) / 10w (ch. 52)		Salt Lake City	21 K21JA-D	NS DCC 12kw for K59GS
				Salt Lake City	31 KEJT-LD	NS DCC 50w
Columbia	27 K27KG-D	NS DCC 10w for K49BO		Salt Lake City	39 K45GX	AF DCC dismissed
				Santa Clara	53 K53JQ-D	NS DCC 250w for K36FT
Delta	36, K36IK-D, 38, K38JT-D, 40, K40IW-D, 42, K42HQ-, 46, K46IW-D, 48, K50JW-D, 50, K53JE-D, 53, K54JY-D 54	NS DCC 10w for K51GG, K39FR, K35GC, K43GN, K41GH, K29FQ, K49HA, K47HM		Santa Clara	62 K35FS	AF DCC dismissed
				Teasdale	39, K39IV-D, 43, K43KI-D, 53 K53JG-D	NS DCC 20w for K02BO, K05BG, K36DL
				Toquerville	8 K08OO-D	NS DCC 10w for K07CG
Duchesne	40 K34FV	AF DCC dismissed		Torrey	55 K55KG-D	NS DCC 10w for K40AH
East Price	34 K02OT	AF DCC dismissed, but RE 15kw, 38-23-34/ 78-46-13		Virgin	19 NEW-LD	AF DCC 130w, 37-13-54/ 113-13-31 for K02AW
				Washington	50 K50KC-D	PR>250w
Fillmore	21, K21IK-D 23, K23IM-D, 25, K25JJ-D, 52, K52JX-D, 55, K55KI-D, 56, K56JC-D, 57, K57JU-D, 58, K58IQ-D, 59 K59IR-D	NS DCC 10w for K44EA, K34GO, K46EI, K50DE, K38GT, K36FY, K32GE, K42DR, K40GD		Vermont:		
				Windsor	41 WVTA	PC<875kw/ 692m
				Windsor	24 WVTA-DT	NW 55.7kw/ 692m
Hildale	15 K15HS-D	NS DCC 40w for K11QQ		Virginia:		
Hurricane	15 K15HT-D	NS DCC 10w for K21GW		Arlington	15 WFDC-DT	NW 325kw/ 173m
Logan	10 K10OX	PG 960w, 41-45-21/ 112-01-22; PC		Gate City	7 WKIN-LP	PG>1.3kw, 36-31-37/ 82-35-12; CC from WKTP-LP
				Grundy	68 WLFG	req. to go dark, becoming DTV-only on ch. 49
Logan	34, K34JP-D, 36, K36JC-D, 38, K38KN-, 40, K40JY-D, 46 K46JJ-D	NS DCC 60w for K41GQ, K49FS, K45GL, K43GR		Hampton	18 W18BS	DR dismissed
				Mount Olive	6 W06CP	NS 3kw, 38-57-57/ 78-26-32 (Daystar)
Long Valley	35, K35IF-D, 41, K41JX-D, 43 K43KH-D	NS DCC 10w (chs. 35/43) / 20w (ch. 41) for K50GD, K44FU, K46EO		Roanoke	22 WRKV-LD	NS DCC 60w
Manila-Dutch	35 K19DV	AF DCC dismissed		Roanoke	54 WEDD-LP	CC from W54BT
John				Washington:		
Milford	15 K15FQ	DC 250w, 38-31-14/ 113-17-12		Bellevue	51 KUNS-TV	CC from KWOG
				Camas	28 KOXI-CD	NS DCC
Milford	16, K16BO-, 20 K20GH-D	DC 120w, 38-31-14/ 113-17-12 (both channels)		Longview	28 K28IH	XR 46-09-46/ 122-51-05
				Longview	31 K31HK	XR 46-09-46/ 122-51-05
Minersville	17 K17HX-D	PG 130w, 38-31-14/		Longview	38 K38KM-D	NS DCC 1.2kw for K34HK
				Longview	47 K47JJ	PR>2.2kw, 46-09-46/ 122-51-05
				Odell	42 NEW-LP	AF RE 25kw, 45-41-09/ 121-27-54 (Daystar)
				Pasco	18 KEPR-DT	NW 36.4kw/ 356m
				Point Roberts	15 NEW-LP	AF 48.3kw,

		48-59-36/ 123-02-43 reinstated
Prosser	10 K10NQ	PR>1.1kw reinstated
Pullman	46 K46HV	NW 130w, 46-42-51/ 117-10-15 TBN

West Virginia:

<i>Hampshire</i>	38 W38EG-D	NS DCC 12kw for W41AO
<i>Huntington</i>	46 W14CU	AF DCC dismissed
<i>Keyser</i>	41 W41DK-D	NS DCC 7kw for W48AA
<i>Parkersburg</i>	51 W51EG-D	NS DCC for W57AG
<i>Wardensville</i>	7 W07DN-D	NS DCC for W15AD
<i>Wheeling</i>	30 W30CO-D	NS DCC for W41AA

Wisconsin:

<i>Milwaukee</i>	13 WMLW-	NS DCC
<i>Milwaukee</i>	17 WYTU-LD	NS DCC 2.1kw
<i>Milwaukee</i>	31 WBWT-	NS DCC 10.5kw
<i>Milwaukee</i>	38 WBWT-LP	QC from ch. 55, 25kw, 43-05-46/ 87-54-15; CL from Ludington, Mich.

<i>Rhineland</i>	16 WJFW-DT	NW 269kw/ 362m
<i>Sister Bay</i>	18 W18CU	PC>5.16kw, 45-14-19/ 87-05-27 (WPNE-38)

Wyoming:

<i>Casper</i>	6 KPTW	NW 330w/ 536m, 42-44-26/ 106-21-34 (convert translator K06KH to full-service station)
<i>Cheyenne</i>	40 KKTU-LP	PC 10kw, 41-08-55/ 104-57-24
<i>Cheyenne</i>	47 K47IU	PR<1.26kw, 41-10-28/ 104-46-10; PG; NW (KCWY-13)
<i>Dubois</i>	47 K47LK-D	NS DCC 100w for K25AU
<i>Jackson</i>	39 K39JU	NS 25kw, 43-27-42/ 110-45-10
<i>Kemmerer</i>	46 K46JY	AF RE 1kw, 41-46-45/ 110-32-12; NS
<i>Lander</i>	8 KCWC-DT	NW 60kw/ 432m
<i>Pinedale</i>	39 KKBT-LP	CC from K39GC
<i>Sheridan</i>	10 KJCW-LP	AF DCC dismissed
<i>Sheridan</i>	50 K50KN	NS 8kw, 44-37-20/ 107-06-57

Thanks to John Zeis, Steve Rich, and Rick Shaftan for information appearing elsewhere in this month's column.

Rick reports WBFF-45, Baltimore, operating off-frequency. He's measuring the station on minus offset, instead of its assigned zero. Why, I have no idea...

Probably the big news this month is the grant of hundreds of Digital Companion Channels (DCC) for LPTV and Class A stations. Again, these stations will operate

in parallel with the associated analog LPTV.

The final deadline for digital conversion of receivers has passed. As of March 1st, all TV sets regardless of screen size and all devices (VCRs, DVD recorders, etc.) that receive TV signals must include DTV tuners.

As is common with such rules, they prohibit the import or shipping in interstate commerce of non-compliant receivers. Sets that are already in the store can be left on sale until they sell.

At Wal-Mart (among many other stores) the prices of analog receivers dropped markedly at deadline. I saw a 13" color analog TV selling for under \$50. At the same time, standard-definition digital sets have come down quite a bit too, with 19" standard-definition digital receivers as low as \$179.

What this means is that essentially everyone who buys a new TV from here on out will have DTV capability.

For more details, see:

http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-05-190A1.doc



[Click to enlarge](#)
[Magnavox 20" TV, 20MT133S](#)

\$89.67

Was: \$99.67

ROLLBACK

- Image Aspect Ratio: 4:3
- Display Menu Language: English, Spanish
- Color Temperature Control: Yes



THIS MONTH'S COVER

Features WTFDA member Les Prus standing on his roof next to his TV DX installation. Les in in Alexandria, VA. Congratulations, Les, you made the cover this month!



PHOTO-NEWS

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April 2007

EVEN BETTER IN **COLOR!** CHECK OUT THE eVUD

More great stuff from Girard Westerberg of Lexington, KY:

Equipment: Dell W1700 TV, Panasonic DMR-E60 DVD Recorder, Delhi / Jerrold VIP 307SR VHF antenna, CM 4228 UHF antenna.



KACV-2 Amarillo, TX
 977 mi Es seen 6/14/06



KWGN-2 Denver, CO
 1121 mi Es seen 6/4/06



WCBS-2 New York, NY
 591 mi Es seen 7/12/06



WKTV-2 Utica, NY
 612 mi Es seen 6/4/06



KIII-3 Corpus Christi, TX
 1042 mi Es seen 6/3/06



KRGV-5 Weslaco, TX
1131 mi Es seen 5/29/06



KEMV-6 Mountain View, AR
457 mi Tr seen 8/24/06



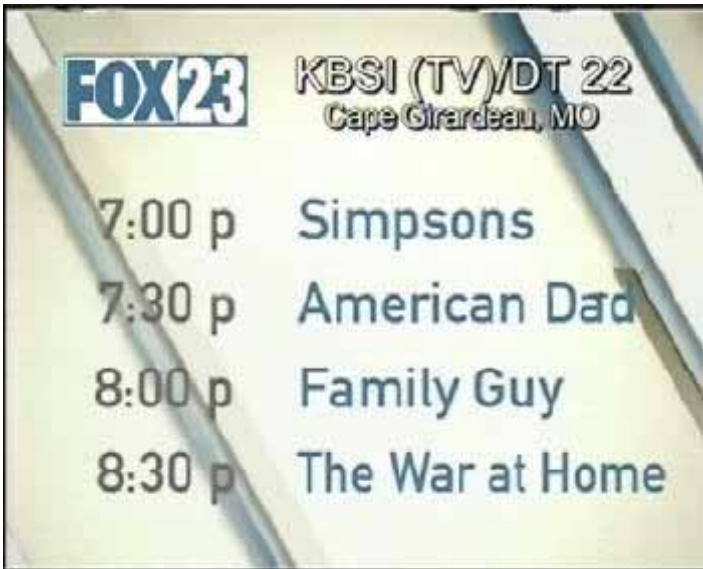
KOAT-6 Carlsbad, NM
1165 mi Es seen 6/28/06



KWNB-6 Hayes Center, NE
902 mi Es seen 7/12/06



KAIT-DT-9 Jonesboro, AR
385 mi Tr seen 1/2/07



KBSI-DT-22 Cape Girardeau, MO
281 mi Tr seen 11/12/06



WNDY-23 Marion, IN
169 mi Tr seen 7/1/06



WHIQ-DT-24 Huntsville, AL
252 mi Tr seen 7/1/06



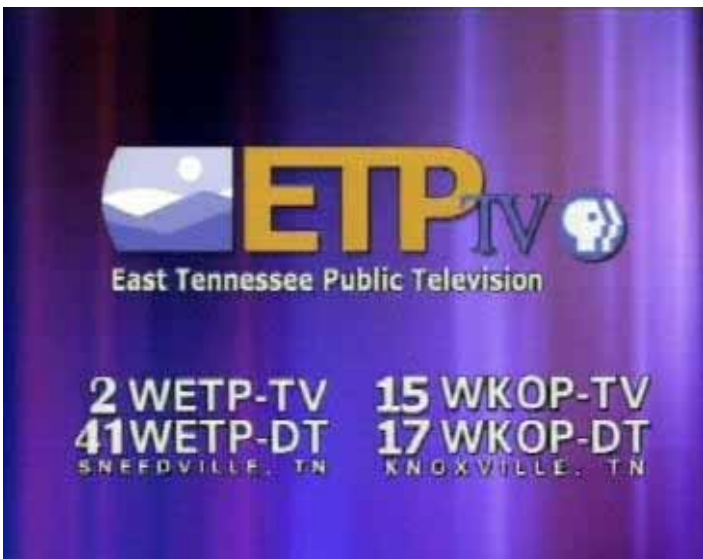
WTHI-DT-24 Terre Haute, IN
188 mi Tr seen 7/20/06



KSDK-DT-35 St. Louis, MO
320 mi Tr seen 7/20/06



WEMT-DT-38 Greenville, TN
166 mi Tr seen 7/1/06



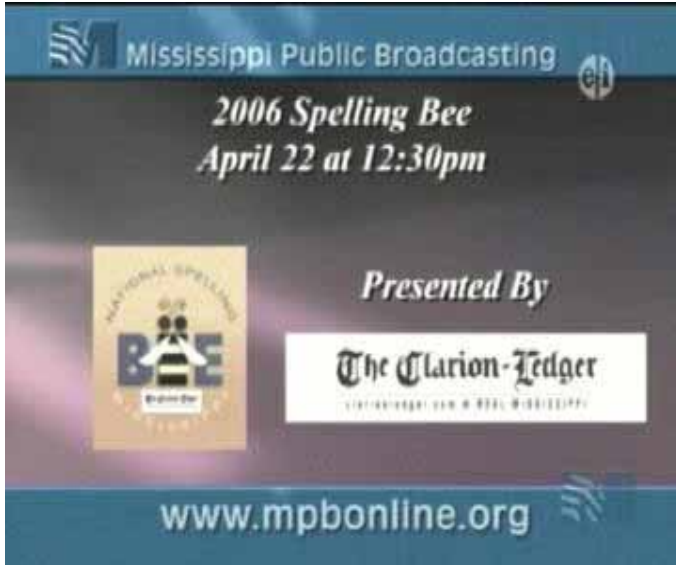
WETP-DT-41 Sneedville, TN
131 mi Tr seen 1/24/06



WBBJ-DT-43 Jackson, TN
284 mi Tr seen 1/4/07



WEIU-DT-50 Charleston, IL
234 mi Tr seen 5/27/06



WMAE-DT-55 Booneville, MS
330 mi Tr seen 4/22/06



WHOI-19 Peoria, IL
330 mi Tr seen 11/7/05



WMBD-31 Peoria, IL
327 mi Tr seen 11/7/05



WYZZ-43 Bloomington, IL
312 mi Tr seen 11/7/05

73's,
Jeff

Distribution of interim and permanent DTV channel assignments:

Seriously, it's a LOT more expensive to operate a UHF transmitter than a VHF rig - and that applies just as much to digital as it does to analog. By moving from a UHF DTV channel to an existing VHF analog assignment, a station can greatly reduce power without sacrificing coverage. -Doug Smith

The only problem with this is, especially here in the Northeast, is there are so many sandwiched VHF stations, that many of those who did get a VHF assignment are not going to replicate the service their old Analog UHF did. I use my station as a good example. Our assignment (channel 11) has to be kept highly directional to protect WENH-TV out of Exeter, NH. And because of the spacing, our power is kept lower than maximum, and we're definitely going to lose that coverage area. It's rare to find situations in Southern New England and anywhere in the megalopolis, to find a situation like WPRI-TV, WPRI-DT which is a flamethrower non directional channel 13, and probably has better coverage digitally than they did analogally. (WNAC will also see coverage they never had on digital 12, as they will be going non directional on a 12.). But in the Northeast, with the record high cable penetration and satellite penetration, does your coverage area mean anywhere near as much as it did, even just 10 years ago? -Mike Fitz.

Certainly stations have to use their judgment - and not **every** station that could have requested a high-band VHF channel did so.

It's probably a geographic thing in more than one way. Around here there are still a lot of smaller cable systems in important outlying towns - systems that aren't connected to Comcast's direct fiber feed from our studio. (for that matter, even Comcast is using OTA pickup for their HD subscribers) If we don't get a decent digital signal into their headends we may well not be on cable in places like Waverly, Tullahoma, and Livingston.

But I wouldn't at all doubt your highly-directional pattern can still easily hit any cable headend in your relatively small (geographically-speaking) market.

I guess my point (and I suspect yours) is that these days, there isn't much point to having coverage outside your market. -Doug Smith

Do you have a number or estimate as to what percentage of DTVs will move to their counterpart's VHF channel? -Dan O.

That's harder to answer than I thought. This is a quick & dirty analysis & I fear there may be some errors...

I count 1,900 full-power TV stations.

Distribution by channel:

Ch	Analog	Permanent DTV
2	58	13
3	61	7
4	64	5
5	56	14
6	58	9
7	61	62
8	61	61
9	56	60
10	57	67
11	57	52
12	58	51
13	68	70

Some of these are stations whose interim channel is VHF and are keeping it - of these, some have analog channels on UHF and others' analogs are on different VHF channels. (for example, WSMV analog 4/DTV 10, which will stay on DTV 10) So it'll take more time to answer Danny's question fully.

It should be noted that 16 additional stations requested high-band VHF channels for permanent DTV but were rejected by the FCC. Nine will end up on low-band VHF, the other seven on UHF. Three stations' request for high-band channels were rejected, but they were granted **different** high-band channels. Two applications for low-band VHF DTV channels were rejected, but both stations were granted different low-band channels.

My initial understanding was that most DTVs would move to their ATVs' channels. However, I have seen consumer information from various sources that led me to think most DTVs would be on UHF permanently. In fact, some sources are promoting UHF as superior to both low- and high-band VHF for DTV.

I wonder how many of those sources are selling Terk antennas?

There is CONSIDERABLE misinformation floating around about this. A lot of "experts" still believe all DTV is UHF **today**.

In my experience (both my personal reception and viewers who call WSMV Engineering)

high-band VHF at currently-authorized power levels is equal to UHF.

I now wonder if some current owners of HDTV reception equipment (including UHF antennas) are going to be surprised when their local DTVs move.

Probably!

I was under the impression from years ago that the entire VHF low band was to be auctioned off... -John Ebeling

They're going to auction off a bunch of channels, but they won't be VHF-low.(at least not yet)

There were three definitions of "core spectrum" floated:

- 14-59
- 7-51
- 2-51

We ended up with the latter definition. I think three things colored the decision:

- Those who were interested in buying ex-TV spectrum felt UHF channels 52-59 would be more useful than VHF channels 7-13. (they planned on using the channels to feed handheld devices, where the larger VHF antennas would be a problem)
- TV stations wanted to keep VHF channels where coverage could be achieved with lower powers.
- TV stations didn't realize how poorly 8VSB would work on low-band.

Do you have a number or estimate as to what percentage of DTVs will move to their counterpart's VHF channel? -Dan Oglethorpe

Of the 61 stations with analog facilities on channel 7:

42 - plan to move their DTV facilities to channel 7 (their current analog channel). Of these, 33 are moving from UHF DTV channels, and eight from other high-band VHF channels. (one, KSWY-TV in Wyoming, was licensed too late to receive a DTV channel and will be flash-cutting to DTV on channel 7)

2 - requested permission to move their DTV facilities to channel 7 but were denied and will be staying on UHF.

4 - requested, and received, VHF-high channels other than 7.

13 - requested, and received, UHF channels.

I believe the count will probably be similar on the other six VHF-High channels.

The first five rows show how many stations' DTV assignments are within the various bands - VHF Low, VHF High, UHF core, UHF non-core, and how many stations received no DTV assignment at all.

Where these stations are going:

Flash-cut: the station has no DTV assignment and will flash-cut to DTV on its existing analog channel

The next four rows show how many stations are using one of their existing two channels - either moving their DTV to their analog channel, or keeping it on an existing VHF-Low, VHF-Hi, or UHF DTV assignment.

Finally, the last three rows show how many stations are moving to completely new channels.

I selected channel 30 as representative of UHF - don't have enough time to actually analyze all UHF channels!

Some things you'll notice here:

- Stations whose analog assignment is on high-band VHF are FAR more likely to be keeping that assignment.
- Almost nobody wanted to move to a VHF-Low DTV assignment.
- Stations whose analog assignment is on low-band VHF are FAR more likely to be keeping their UHF DTV assignment.
- Only one channel 30 station received a VHF DTV assignment, and that station will be returning to channel 30 for its permanent DTV operation.

	2-6	7-13	30
DTV on VHF-Low	4.8%	1.4%	none
DTV on VHF-Hi	12.3%	20.5%	4.4%
DTV on core UHF	68.1%	63.4%	82.6%
DTV non-core	11.6%	12.7%	none
no DTV channel	3.6%	2.5%	13.0%
Flash-cut	1.9%	2.1%	13.0%
to analog ch.	10.3%	65.5%	21.7%
to VHF-Low DTV	2.6%	0.7%	none
to VHF-Hi DTV	11.0%	11.4%	none
to UHF DTV	68.7%	20.9%	78.3%
to VHF-Low new	0.3%	none	none
to VHF-Hi new	1.0%	0.2%	none
to UHF new	5.5%	0.9%	none

GETTING READY FOR DX!



It's spring, and both TV and FM are beginning to come alive with weak, scattery signals that weren't there just a few short weeks ago. On FM, those weak 200-250 mile scatter signals have returned. On TV, some of the fringe DTV stations what wouldn't lock in at all during the winter are now showing up with video and audio and the usual intermittent pixellation. They are back and yes, another DX season is beginning.

Before the season gets into full swing, take some time to examine your own DX setup and make sure it will stand up to the Es and tropo openings that will surely follow.

First, check your rotor. Make sure it rotates. Then check to see that it rotates 360 degrees. If it won't, you'll need to replace it. Go outside and watch it turn. Visually verify that the rotor turns a full 360 degrees.

If you've had snow or ice on the roof what covered your rotor lead, carefully check the rotor wire for cracks and bare wires. If your rotor won't turn, or if it turns in one direction, a problem with your flat, 3 wire conductor may be the cause.

Check your tripods, masts, U-bolts, and bolts for rust. Make sure all connections are tight. Make sure the bolts on your antenna haven't loosened over the winter causing your antenna to wander from its north position.

Check your antennas for rust. If your connections are really rusty, you might want to consider replacing bolts, washers or nuts/wingnuts or possibly just changing the entire antenna.

Water will kill TV and FM signals. Look at your coax and your baluns. Water in baluns will kill signals. You should have your coax-to-balun connections covered with a watertight rubber boot. You should also have something like silicon seal or coax putty smeared in any location where water could possibly leak in and cause problems.

Heavy winds over the winter will also cause havoc with your antenna installation. Look for shorted or bent elements. Repair or replace as necessary.

Turn on your tuners and televisions and check to see that the signals you received last summer are still as strong. Install some narrow filters in your FM tuner. If you use sockets, see that the filters are still socketed securely. If you have no audio or video, check to see if another family member has messed with your cable connections over the winter.

Analog television hasn't left us yet, and there is still time to log some great analog Es this summer. Do a little preventative maintenance this spring to help make sure that you'll see the ID slide at the right instead of just a blank, snowy screen. The first big skip opening of the year is no time for surprises!

And one other thing...if you have some databases or links to websites with databases bookmarked on your computer, check to see that the links are still where you put them and verify that the links work! There's nothing worse than going to a website to find out the calls of a station you've heard, only to get a Page Not Found error.



OBSERVATIONS ON THE STATE OF THE HOBBY

WANTED: BOLIN PHASE BOX

I am going to need a Bolin Phase Box for FM in case anyone isn't going to be using theirs anymore. I need it for separating analogs on the same channel as well as reducing/eliminating the IBOC of the four Allentown, PA area stations on 95.1, 96.1, 100.7 and 104.1. Also any APS 13 that is no longer being used could be put to good use at my location. I could stagger stack them or use them with the phasing box. I'm near the crest of a hill at 1,860 ft ASL.

Personally I don't feel that IBOC will last on either AM or FM. As others have stated, it will go the way of AM Stereo. People aren't going to buy the receivers in any great numbers. Most of the public has no idea what "now broadcasting in HD" means. Why spend the money when you can get the same programming on existing FM & AM ?? At least on digital TV you get multicasting to be able to receive additional programs. Plus you can get higher definition pictures.

Bob Seaman Hazleton, PA

CAN YOU SMELL IT?

There will still be several FM frequencies available here on Cape Cod for at least the next few years. Our company is at least 1 year out from going HD on any of our 4 stations, and I know that costs and signal coverage will hinder the small companies from shelling out at least 60K for a new transmitter until they are forced.

From the choices given in programming, there is no way IMHO "normal consumers" will purchase HD radios in droves to make it cost effective for any broadcaster to keep these inefficient electricity guzzlers running.

Hey look at satellite. The two companies are already trying to merge. Choices will be fewer if that goes through. Terrestrial broadcasters have their chance right now to make this work, and they are blowing it by putting generic jukeboxes on these side channels. But to make money on them, they'll need to have advertising. I don't see radio listeners migrating to a channel they need a separate \$200 unit for, that plays commercials, comes in for a few miles, and has no local content (i.e. just music and sweepers).

So, I say hang in there guys. I smell AM stereo!! (Steve Solomon)

IT AIN'T OVER

I'll buy the APS 13...and other items if people are unloading them.
It ain't over till the fat lady sings...and she isn't singing here in Eastern MA yet!
(Keith McGinnis)

WELL, NOT QUITE...

FM Dx has not been as much a part of my life as it used to. Many of my once good DX frequencies have become overran with digital noise. If I do FM DX, it seems to be during E-skip where the signals can punch through some of that garbage. (Dan Oetting)

USDTV CLOSES THE DOORS

On Monday, March 12, 2007, USDTV informed its customers that it had ceased operations after nearly four years of pioneering efforts to being about a low-cost, family friendly alternative to cable TV. The closure was due to lack of funding. They have made arrangements with a third party installation company to convert the USDTV set-top box so as to continue receiving free over-the-air local digital and high definition TV channels without the USDTV cable service.

For more information on the set-top box conversion or other items please visit:
customer_service/stb.html. You may keep or return your USDTV receiver.

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

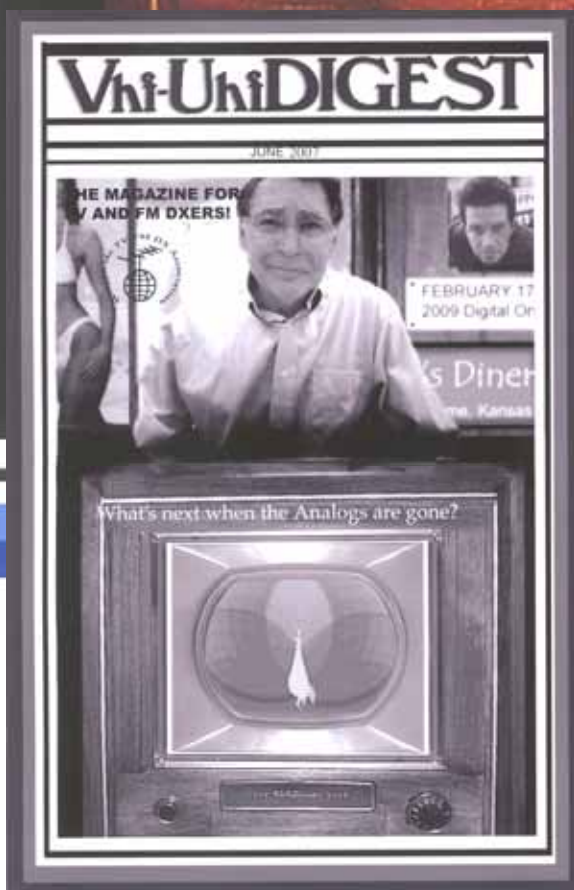
JUNE 2007

THE MAGAZINE FOR
TV AND FM DXERS!



2009
The Year of Major Change
For TV DX-ING

This station is now
ONLY DIGITAL



These really nice futuristic
VUD covers were done by
WTFDA member Paul
Mitschler of Albuquerque,
NM.

SOMETHING TO CROW ABOUT

A Little History of the WTFDA from 1969

Some would call it a miracle. Others would say "I told you so". But to most Of us at the publishing end of WTFDA we think the developments made by this organization in recent months have certainly been remarkable (especially in light of the inauspicious debut VHF-UHF Digest made a little over a year and a half ago).

Then WTFDA began. It started as sort of a desperation maneuver based on the efforts of a handful of hopeful individuals at the 1967 ANARC convention. In the period since a lot has happened to our club and our bulletin. We think it's "something to crow about".

Reviewing a bit of history, late 1967 found the flailing WMRC (Worldwide Monitors Radio Club) converted into WTFDA with a membership made up of 26 WMRCers and a few TV-FM DXers. An initial bulletin was published which was unspectacular to say the least. At that point it looked as if there was little promise for any substantial bulletin improvement or club growth. Most of the TV-FM DXers of the past had been out of contact with one another for years, the club itself lacked a treasury and a decent mimeograph machine, and club leadership and organization was unstable.

However, almost everything must start small before reaching any degree of success. WTFDA was a case in point. Through mid-1968 WTFDA membership exhibited a steady growth. Bulletin size and quality improved with continued member support. As the months rolled on, the club began to reach a plateau - one of those "go/no - go" points that most every organization reaches. Heading WTFDA was no longer a one-man job. Responsibilities for handling correspondence, controlling the treasury, organizing materials, and publishing the growing bulletin had become an immense, fulltime task.

At this point further development might have been stymied. But the support and enthusiasm of the members carried this organization over the hump. First, yours truly coincidentally moved into the Milwaukee area at this time and was able to provide much needed assistance on publishing day each month. Then Chicago area DXers Morrie Goldman and Bill Heusmann volunteered to make periodic trips to Milwaukee - at their own expense - to assist with getting the bulletin out. Milwaukeeans Dave Janowiak and Ed Semrad in turn offered timely help. And more recently John Hansen has provided another able pair of hands to aid WTFDA.

As a result your club today is stronger and better organized. Responsibilities have been divided so that your club publisher/ president is no longer terribly overburdened with club responsibilities. Most important to you the members your monthly bulletin, VHF-UHF Digest, has improved spectacularly in both size and quality. For those of you who were members of the AIPA, the only other TV-FM DX club to exist in North America, I am sure you will agree that our bulletins have far surpassed the AIPA bulletins in almost every area of consideration (including size, consistency of columns, overall neatness, quantity of information, quality of reproduction, etc.).

In summary, thanks to avid support (and this includes who have made voluntary contributions, sponsored ads in our behalf, offered to write columns, and those who have merely supported regular bulletin features) WTFDA has become a strong and well respected organization at a time when DX clubs are coming and going at a phenomenal rate.

This is certainly not to say we have reached our highest peak. We can do much greater things and we plan to. We have come a long way in the past year-and-a-half and we can go much further. At headquarters we are truly excited over the endless possibilities for providing a better and more active club for the membership. The future has never been brighter.

If you have ideas or suggestions to assist in the expansion and improvement of your club by all means forward them. With your continued support we will in turn continue on the path upward.

Gary Olson
WTFDA Publishing Staff

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And *thanks* for your support of the WTFDA!

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

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THINK YOU NEED NEW GLASSES?

Try the eVUD!

**THE WORLDWIDE TV-FM DX ASSOCIATION
THE VHF- UHF DIGEST
P.O. Box 501, SOMERSVILLE, CT 06072**

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