

Vhf-Uhf DIGEST

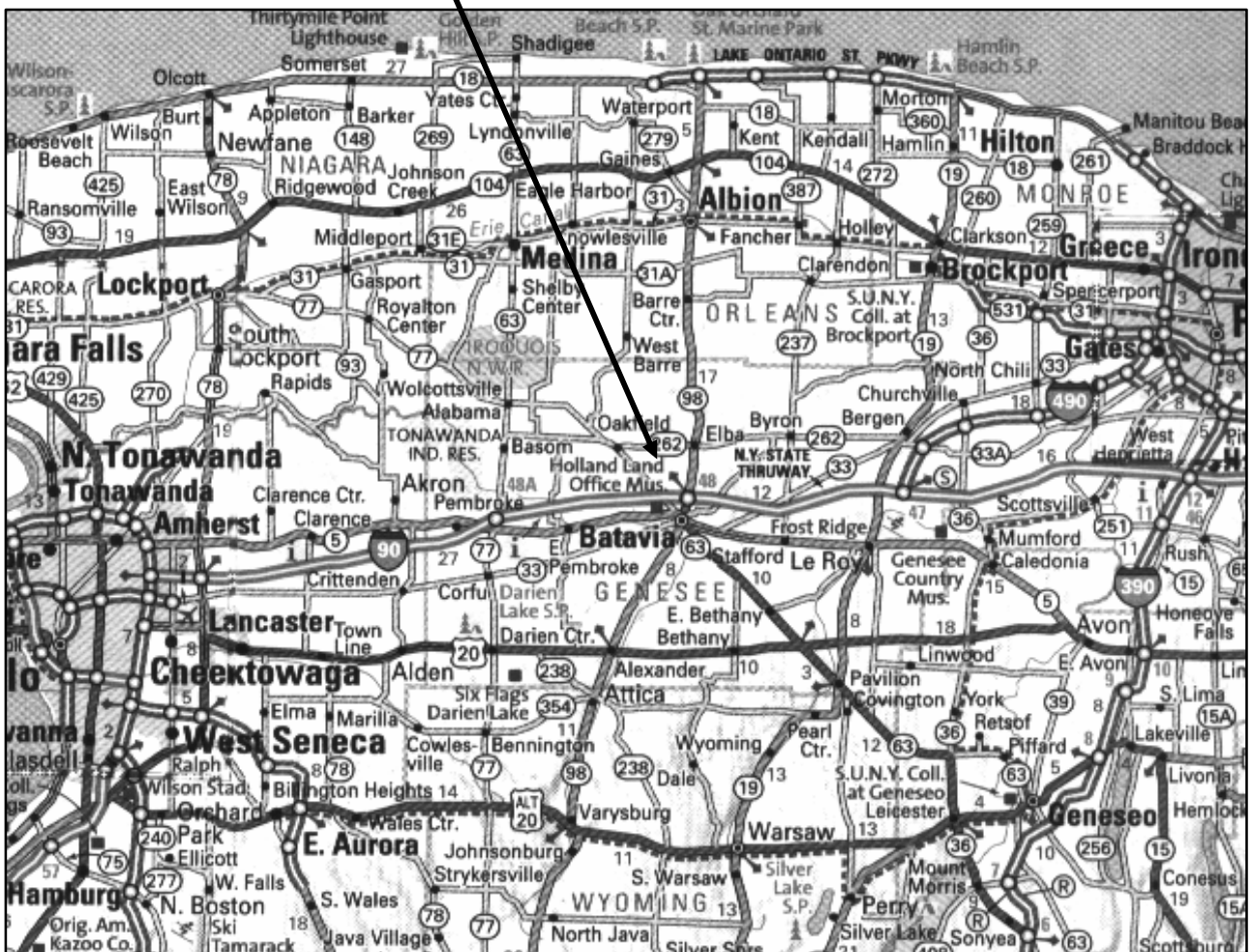
The Official Publication of the Worldwide TV-FM DX Association

JUNE 2003

The Magazine for TV and FM DXers

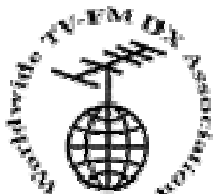
SUPER E-SKIP ON MAY26TH...Details next month!

WTFDA Convention 2003!
Batavia, NY



UHF DTV DX RECORD BROKEN!!!

Jeff Kruszka's 800+ mile dx on May 11 beats previous record by
150 miles!!!



*Complete dx coverage of
Spring E skip!
Spring Tropo!
Meteor Scatter, Aurora
DTV and IBOC*

TV and FM DXing was never so much fun!

The Worldwide TV-FM DX Association

Serving the VHF-UHF Enthusiast



VHF-UHF DIGEST

E-ZINE VERSION

JUNE 2003

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. The WTFDA is governed by a board of directors: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK AND MIKE BUGAJ.



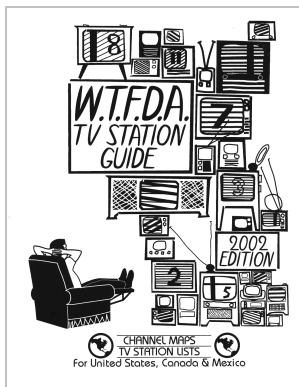
Finally! For those of you online with an email address, we now offer a quick, convenient and secure way to join or renew your membership in the WTFDA from our page at:

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

Dues are \$25 if paid from your 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!

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The WTFDA TV STATION GUIDE

Start your new year with the most comprehensive listing off North American Television stations in print! Just \$23 US will get you one. Mail your check or money order today. Make it payable

to Dave Janowiak and mail it to John Ebeling, 9209 Vincent Avenue S., Bloomington, MN 55431-2157. Remember, there won't be a station guide for 2003 so get your copy now for the 2003 DX season before they're out of print.

Could it be that DX is beginning to pick up? It must be. This month we have all four DX columns represented in the VUD; this is the first time in months!

On page 27 we have an article called Unbelievable Skip! Was it E skip or was it tropo or was it something else completely? You be the judge and let us know what you think. We'll print your letters and emails next month.

Also this month you'll find a verification letter from WREG TV to John Vervoort. When is the last time you saw a verie letter?

Enjoy this edition of the VUD. We'll be around again next month to remind you one more time about the convention.

WTFDA CONVENTION 2003!



JULY, 11, 12, 13 IN BATAVIA, NY

Our hotel will be the Days Inn of Batavia. Rates are \$72/night if made before June 10th. Registration is \$25.

Batavia-Days Inn, 200 Oak St., Batavia, NY 14020 US

Phone: 585-343-6000 Fax: 585-343-5322 Please mention WTFDA when calling.

EASY ACCESS TO I-90 <http://www.the.daysinn.com/batavia04801>



The Mailbox

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

JUNE 2003

The big story this issue is the 800 mile reception of UHF DTV stations in NC by our very own Jeff Kruszka in Baton Rouge, LA on the evening of May 11th into the wee hours of the 12th of May. These receptions totally smash the existing DTV reception records set by Jeff Kadet in Macomb, IL. Jeff saw these stations using a Hauppauge Win TV-D card in his computer. Jeff just recently purchased this board on eBay. What a deal! He bought the board at a good price and then found himself hauling in 800 mile DTV DX shortly afterwards!

Unfortunately we'll have to wait another month to read Jeff's report since it was not included with his report in Victor's Western TV column. But it will be worth the wait!

It was just a short time ago that we all wondered if DXing the digital channels was a possibility. Then along came Jeff Kadet and his Hauppauge card and proved to us it was possible. Now, loggings of DTV channels are commonplace on the WTFDA email list and we find that DXing the digitals by tropo is not hard to do. One of these days somebody will log a lowband digital channel via E skip and another milestone will be reached. And that could happen this summer. Stay tuned!

MEMBERS AND MORE

Sometimes checking the mail at PO Box 501 yields some surprises. In the new member department I found a sign-up form from **Bill Grant** in Worcester, MA.. Bill was in the WTFDA years ago and I remember checking his FM DX reports for loggings from the Canadian Maritimes, so technically this could be considered a rejoin. Bill is using an Icom R-7100 and a scanner beam in his attic. Welcome back, Bill.

In the same mail, printed on an identical membership form (with my website url on the bottom) was a membership request from **Jason Koralja**. Jason lives in Surf City, NJ, where as you

may remember you will find two girls for every guy. Nice odds. Jason DXes FM using a Sony ICF-SW7600GR and a Sony AN-LP1. He's also a member of the Australian Radio DX Club and the Association of Clandestine Radio Enthusiasts. Welcome Jason! The NJ shoreline is a great place for FM DXing and you'll get some great loggings if you haven't already.

Our last new member this month is **Stan Morss**. Stan is another Baystater living in Boxford, MA. Stan, you and Bill wouldn't know each other, would you? Welcome!

FM/Q ANTENNAE SYSTEMS

GET MORE FM STATIONS WITH THE WORLD'S MOST POWERFUL FM BROADBAND ANTENNAE

To be fully informed, send 30¢ for NEW Edition of "All About FM Antennae and Their Installations" by L.F.B. Carini. Contains Directory of FM Stations and Log.

FM/Q WETHERSFIELD 9, CONN.

RENEWALS

- | | |
|-----------------|--------------------|
| John Broomall | Duluth,GA |
| Roger Gravelle | St. Thomas,ON |
| Douglas Gault | Kingston,ON |
| Owen Wood | Fabius,NY |
| Andy Bolin | Charleston,IL |
| William McGuire | Cheverly,MD |
| Rich Wertman | Lockport,NY |
| John Vervoort | Murray,KY |
| Fred Nordquist | Clay,NY |
| David Sinclair | Vancouver,BC |
| Dan Oetting | New Castle,DE |
| Mike Cherry | Salt Spring Is. BC |
| Jerry Bond | Rochester,NY |
| Ben Cox | Osceola,IA |

And once again we say thank you to everybody for hanging around for another year.



DOESN'T ANYBODY MAKE ANTENNAS?

Gary Hickerson wrote and asked: "Why are the antenna makers (Channel Master in particular) cutting back so much on their antenna models? CM went from 54 models down to about 12! They say because of satellite dishes. Even so, you still have to get the local channels and some people live 100 miles from "their local channels." Powerful antennas are few and far between! Even when DT takes over you'll still need a good antenna for the locals. The antenna doesn't know if the signal is analog or digital."

Bob Cooper replied: " By 2006 CM will not be building terrestrial TV antennas. Period. That's straight from "inside." How come? Only 14 to 15% of US homes still use their own antenna for TV reception. The bulk of these are on rabbit ears. Between cable and satellite, 85-86% of all homes now get their TV from something other than their own antenna. The remaining 14 - 15% will by 2006 be a fraction of the present size and not worth worrying about - according to CM logic.

What about DVB-T (digital terrestrial)? Sure it needs an antenna; much more so than analog ever needed a "proper" (outdoor) antenna. But not by 2006; it will come into your home via satellite, cable or (heaven-forbid) Internet. Most TV stations by 2006 will have a direct fiber optic connection directly into the cable system's headend, and a microwave link to the regional satellite uplinker service. They could in fact close down their transmitters (analog and digital) as several have already done with their analog. Welcome to the future! Bob Cooper in New Zealand."

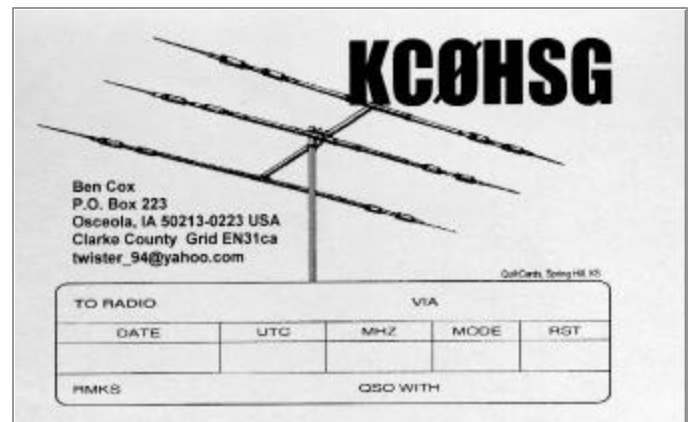
A NEW DTV SET-TOP BOX

This is from Rich Wertman: "Just thought I'd put in a small review on the Zenith hdv-420 outboard hdtv converter. I recently purchased this new model from Zenith and tried it out. I'm very happy with both the results and price tag.

Using a 7' parabolic with minimal conditions I am able to net ch 33 NBC buffalo, ch 39 1/2/3 from Buffalo CBS /doppler radar/UPN also briefly seen ch 43 testing-PBS seen, Rochester ch58-WHEC 10, Erie PA 50/54 WQLN.

This unit seems as good as neighbor Paul Crego's Samsung 150 unit. It has some nice features, like you can put a

station logo in the channel ID box such as NBC's peacock. Unfortunately the list has more cable channel logos than off air, like no Fox or UPN etc. and you can't write in info about the channels as seen with dish network and Directv's digital boards. Also on the multiplex chs like 39-1/2/3 it will put CBS on all of them? Certainly some things I'd like to see changed but all in all very nice. It has component out/s video out/AV out .It must be using s or component to get hdtv and anything above 480i antenna in and loop out to TV. Nice remote, nice graphics and signal meter. I think I might start marketing this unit. I've always been a bit partial to Zenith. Anyone wanting more info e-mail me. (rwsvcinc@aol.com)



This QSL sent in by Ben Cox

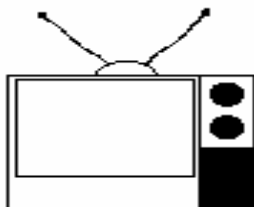
LAST BUT NOT LEAST

Joe Fela reported recently about a couple of pirates in his area (S. Plainfield, NJ). Joe's found someone using 92.7 to relay WBGO 88.3 with a fairly strong signal but low audio. He's also got a Spanish pirate running frequencies between 107.8 and 108mhz.

There is a rather famous NYC pirate using 103.1 in NYC. It's called Bashment Radio and has its own website. I can't believe that nobody down in the NYC area has logged this station yet.

Matt Sittel reports that a storm on May 4th put down 3 ½ inch hail at his location near Omaha and bent an element on his television antenna. Matt wrote "We lucked out on this one-no damage to our house, but my wife's car took a glancing blow from one stone which left a serious dent... but no broken glass luckily." Matt was able to get to the roof and chop off the bent element with some pruning shears.

Remember, the convention is next month. Get your reservations in by June 10 to qualify for the \$72 discount rates. I've already done that. Hopefully, if all goes well, we'll see you all there. CU next month!



TV NEWS

Doug Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
w9wi@w9wi.com

June 2003

Abbreviations:

#	License to cover (for changes or new station)	PC	Power (and/or tower height) change on the air
AF	Applied For (a new station)	PG	Power change granted
aux	Auxiliary (backup) transmitter	PR	Power change requested
CC	Call Change	QC	Channel (frequency) change on the air
CL	City-of-license change	QG	Channel change granted
DE	Station deleted	QR	Channel change requested
FC	Programming (format) change	RA	Returned to the air
GA	Granted Amendment (to table of channel allotments)	ROA	Request of applicant
NO	Not on the air	SI	Off the air ("silent")
NS	New station granted permit	STA	Special Temporary Authorization
NW	New station on the air	XC	Transmitter site change on the air
PA	Proposed Amendment (to table of channel allotments)	XG	Transmitter site change granted
		XR	Transmitter site change requested

News:



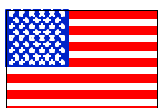
Canada:

Alberta:

Coronation 10 CKRD-TV-1 To relay CBXT [5].
 Red Deer 10 CITV-TV-10 changes mind about moving to channel 2. Will relay CBXT [5].

Ontario:

Elliot Lake 7 CBEC-TV FC to CBLT [5]
 Little Current 16 CBCE-TV FC to CBLT [5]
 Ottawa 32 CITS-TV-1 QR from ch. 14; 54kw



Alabama:

Birmingham 2 WBXA-CA PG>1.2kw
 Birmingham 53 WBIQ-DT LC 31kw/365m, 33-29-04/86-48-25
 Decatur 16 WYAM-LP QG from ch. 56, 72.2kw
 Dothan 46 WYBD-LP CC from W46DI
 Louisville 44 WGIQ-DT LC 925kw/243m, DA
 Mobile 41 WEIQ-DT LC 199kw/185m
 Moundville 3 WDVZ-CA PG<1.6kw, 33-09-36/87-30-55

Alaska:

Fairbanks 63 K63GV NS 15kw, 64-52-44/148-03-10
 Juneau 10 KTOO-DT GA from ch. 6
 Ketchikan 45 K45HK NS 150kw, 55-20-22/131-38-12

Arizona:

Duncan 22 K22GU NS 1.935kw, 32-53-14/109-18-49
 Duncan 24 K24FY NS 1.935kw, 32-53-14/109-18-49
 Duncan 28 K28HY NS 1.935kw, 32-53-14/109-18-49
 Duncan 45 K45HI NS 1.935kw,

32-53-14/109-18-49
 Flagstaff 9 KCFG PG>316kw/434m, 34-58-06/111-30-29
 Flagstaff 23 new-LP reinstated 50kw, 35-14-33/111-36-40
 Flagstaff 49 K49HF NS 24.43kw, 34-58-06/111-30-32
 Flagstaff 63 K63GX NS 86.9kw, 34-58-06/111-30-32
 Flagstaff 69 K69IP NS 24.43kw, 34-58-06/111-30-32
 Globe-Miami 43 K43IB QG from K67AB, 160w
 Kingman 25 K25HU NS 10kw, 35-11-26/114-01-04
 Phoenix 56 KNXV-DT PG>500kw
 Tucson 38 KUVI-CA QC from ch. 52, 9.9kw
 Tucson 48 K40AC QC from ch. 40, 9.9kw
 Tucson 50 K23CD QC from ch. 23, 600w
 Williams 43 K43IE QG from K25DP, 1.62kw

Arkansas:
 El Dorado 43 KEJB requests DA
 Harrison 8 KTKO-LP CC from K08NG
 Little Rock 22 KATV-DT LC 750kw/574m
 Little Rock 44 KWBF-DT PR>485m, 34-47-45/92-29-44, DA
 Pine Bluff 39 KASN-DT LC 1000kw/590m, 34-26-31/92-13-03, DA
 Rogers 50 KFAA-DT PR>267m, DA, 36-24-48/93-57-17

California:
 29 Palms 31 KVMD 31 CX, goes digital-only
 Arroyo Grande 58 JE0415GEAF dismissed 73.3566, 74.706
 Bakersfield 47 K47IA NS 10kw, 35-18-23/118-47-58
 Bakersfield 53 K53IB NS 10kw, 35-18-23/118-47-58
 Bakersfield 59 K30HE NS 1kw,

Crescent City	34 K34GW	35-18-23/118-47-58 NS 7.59kw, 41-45-33/124-09-53	Parlin	36 K36GQ	39-03-23/108-31-50 NS 52w, 38-30-22/106-40-47
Fall R. Mills	11 K11JM	PG>300w, 41-00-12/121-28-54	Pitkin	3 K03HJ	NS 2w, 38-33-28/106-29-32
Fresno	3 K03HK	QG from K05KM	Pleasant Valley	16 K51DE	QC from ch. 51, 40-30-35/102-06-51
Fresno	32 KJEO-LP	PR>150kw, 37-04-26/119-25-52	Redstone	9 K09XN	NS 42w, 39-14-18/107-13-28
Indio	25 K25GW	QG from ch. 53, 10.4kw, 33-51-56/116-25-58	Redstone	11 K11VC	NS 42w, 39-14-18/107-13-28
Joshua Tree	17 K17GJ	QG from K57EV, 110w	Sterling	56 K56GL	QC from K27AG, 2.26kw
Joshua Tree	21 K21GR	QG from K59BM	Thomasville	4 K04PO	NS 44w, 39-21-12/106-41-00
Likely	49 K49HG	QG from K68BX,	Thomasville	20 K20HR	NS 88w, 39-21-12/106-41-00
Monterey	32 KION-DT	PG 46kw/758m, DA	Woody Creek	44 K44GQ	NS 1.21kw, 39-18-30/106-57-15
Morongo Valley	36 K36GO	QG from K67BH, 1.08kw	<u>Connecticut:</u>		
Morro Bay	9 K09UF	CL to San Luis Obispo, 221w, 35-21-37/120-39-20 dismissed 73.3566 & 74.706	<u>Bridgeport</u>		
Palm Springs	15 KUNA-LP	CC from K15EI		52 WEDW-DT	LC 50kw/189m, 41-16-44/73-11-08, DA
Paso Robles	22 K22GV	QG from K19EF		45 WEDN-DT	LC 200kw/192m, 41-31-14/72-10-03
Paso Robles	31 K21EX	QR from ch. 21	<u>Delaware:</u>		
dismissed			Dover	27 WEVD-LP	CC from W27AJ
Porterville	61 KTFE	CC from KPXF; FC to Telefutura	<u>District of Columbia:</u>		
Red Bluff	27 K27HC	PG>67kw, 39-57-45/121-42-40	Washington	33 WHUT-DT	PR<254m, drop DA
Redding	33 K33HH	QG from K34DF, 1.02kw	<u>Florida:</u>		
Redlands	45 KLAU-LP	PR<9.99kw rescinded	Cocoa	30 WBCC-DT	LC 182kw/491m, 28-36-35/81-03-35
Sacramento	60 KSTV-LP	QC from ch. 53, 43kw	Cocoa	52 WTGL-TV	PR 2500kw/514m, 28-35-12/81-04-58
Salinas	10 KSBW-DT	LC 21.4kw/736m	Daytona Beach	26 WVEN-TV	PR>5000kw
San Bernardino	38 KPXN-DT	PG>1000kw/909m, 34-12-46/118-03-42	Fort Myers	15 WBBH-DT	PR>1000kw, 26-49-21/81-45-54, add DA
San Diego	19 KSWB-DT	NS 323kw/604m	Inglis	54 W54DK	NS 1kw, 29-01-19/82-41-19
San Diego	29 KSDX-LP	PC<7.4kw	Key West	5 W05CL	NS 2kw, 34-33-18/81-48-07
San Francisco	28 KBIT-CA	PR>24kw, 37-41-12/122-26-03	Key West	22 WGEN-TV	CC from WEYS
San Jose	54 KTEH	PC>662m	Lake City	11 WLCF-LP	CC from WBFL-LP
San Luis Obispo	59 JE0415DLAF	dismissed 73.3566, 74.707	Lake Worth	36 WPXP-DT	PG<385m
San Martin	43 KMCE-LP	QG from ch. 52, 55.1kw, 36-45-22/121-30-06; CL to Monterey	Leesburg	46 WLCB-DT	PR<472m
Santa Maria	40 KWSM-LP	PC>150kw, 34-54-37/120-11-08	Marathon	64 W64CX	NS 9.84kw, 24-41-30/81-06-29
Stockton	64 KFTL	sold to Telefutura	Melbourne	46 W46DB	CC from W62CC
Susanville	29 K29FU	NS 8kw, 40-27-13/120-34-14	Miami	30 WGEN-LP	QR from ch. 57, 47.7kw; CC from W55BV
Templeton	10 K10OI	CL to Atascadero, 293kw (?), 35-26-47/120-42-58 dismissed 73.3566 & 74.706	Naples	41 WZVN-DT	XR 26-49-21/81-45-54
Visalia	8 KFAZ-CA	PC>3kw, 36-17-14/118-50-17	Panama City	41 W41CP	NS 50kw, 30-15-18/85-56-25
Westwood	28 K28FY	QG from K54EE	Pompano Beach	21 WGEN-CA	CC from W21BD
Yreka/Weed	49 K49EY	QG from K64DK	Rock Harbor	57 W64AN	QR from ch. 64, 147kw, 25-32-24/80-28-07; CL to Miami
<u>Colorado:</u>					
Ashcroft	19 K19FH	NS 156w, 39-08-48/106-52-11	St. Petersburg	35 WSPF-CA	PR>28kw
Ashcroft	29 K29FT	NS 156w, 39-08-48/106-52-11	Tallahassee	2 WTWC-DT	LC 9.2kw/583m, 30-40-51/83-58-21, DA
Aurora 3	9 KDEV-LP	QG from ch. 62, 35kw	Tallahassee	59 WTBC-LP	QG from ch. 65
Aurora	62 KDEV-LP	QC from ch. 16, 42.8kw, 39-40-31/104-52-22; already on	West Palm Bch	5 WPTV	PC>390m
Carbondale	29 K29CK	XR 39-25-24/107-22-32	West Palm Bch.	55 WPTV-DT	LC 900kw/387m, DA
Dove Creek	17 K17GE	NS 300w, 37-45-54/108-54-12	West Palm Bch.	57 WBWP-LP	PG>150kw
Durango	64 K64GF	NS 52.48kw, 37-21-53/107-46-58	<u>Georgia:</u>		
Durango	69 K69IO	NS 52.48kw, 37-21-53/107-46-58	Atlanta	42 WTHC-LP	switches to digital
Grand Jctn.	11 KKCO	PC>446m	Augusta	49 WBPI-LP	PC>150kw
Grand Junction	12 KKCO-DT	LC 5.3kw/452m	Macon	31 WDMA-LP	QG from ch. 32, 32-50-31/83-40-19
Grand Junction	64 K64GH	NS 7.28kw,	Macon	45 WGNM-DT	QR from ch. 50,

Pearson	26 W26CT	750kw/242m, DA NS 120kw, 31-19-36/82-51-54	Bowling Green	18 WKYU-DT	PR>61kw/177m, 37-03-49/86-26-07; NW
Willacoochee	41 W41CQ	NS 150kw, 31-19-36/82-51-54	Harlan	51 WAGV-DT	PR<577m
<u>Hawaii:</u>			London	63 W63DD	NS 100kw, 37-03-30/83-54-00
Haleakala	45 KUKO-LP	QG from ch. 24, 150kw	Louisville	38 WKMJ-DT	LC 61.6kw/218m
Kailua-Kona	47 new-LP	dismissed-settlement	<u>Louisiana:</u>		
Mountain View	16 KOIW-LP	QC from ch. 22, 26kw, 19-29-33/155-06-22	Baton Rouge	48 K58GB	QR from ch. 58, 12.9kw
<u>Idaho:</u>			Baton Rouge	41 KBTR-CA	XR 30-26-59/91-07-55; CC from K65FP (?)
Ashton	13 K13YF	QG from K09VD	Lake Charles	8 KPLC-DT	PG>20kw/451m, 30-23-46/93-00-03, drop DA
Boise	21 KAID-DT	PC>197kw	Lake Charles	20 KLTL-DT	PR>299m, 30-23-46/93-00-03
Driggs	51 K51HF	QG from K09UZ, 1kw	New Iberia	19 K49DE	QR from ch. 49, 40.6kw
Malad City	35 K35GW	QG from K62BD,	New Orleans	28 K59DG	QR from ch. 59, 150kw
Pocatello	17 KISU-DT	LC 189kw/451m, 43-30-05/112-39-42	New Orleans	40 WNOL-DT	PG>660kw/309m, DA
Pocatello	69 K69IQ	NS 14.76kw, 42-57-28/112-25-49	<u>Maine:</u>		
Sun Valley	5 KIDA	LC 10.25kw/558m, 43-38-36/114-23-49, DA	Bangor	22 WFVX-LP	CC from W22BU; FC to Fox
<u>Illinois:</u>			Waterville	23 WPFO	CC from WMPX-TV; FC to Fox
Charleston	51 WEIU-TV	PG>50kw/180m, 39-28-32/88-08-22, drop DA	<u>Maryland:</u>		
Chicago	3 WBBM-DTPC	3.7kw/448m, DA	Ocean City	65 W65EF	NS 7kw, 38-18-15/75-12-15 TBN
Chicago	21 WYCC-DT	LC 98.9kw/378m, DA	Salisbury	45 W45CH	PR>49kw, 38-40-00/75-35-00
Quincy	62 W62DH	NS 500w, 39-58-18/91-19-42	<u>Massachusetts:</u>		
Quincy	64 W64CV	NS 500w, 39-58-18/91-19-42	Boston	26 WHDN-LP	PG>15kw, 42-21-31/71-03-33
Quincy	66 W66DL	NS 500w, 39-58-18/91-19-42	Pittsfield	51 WNYA	CC for new station
Rochelle	12 W12DB	PR>3kw, 41-55-16/88-59-48	<u>Michigan:</u>		
Rochelle	30 W30CD	NS 200w, 41-55-11/89-07-04;	Grand Rapids	29 WUHQ-LP	CC from W29CR
		PR>150kw,	Lansing	51 WLAJ-DT	PR>300m
		42-04-28/88-49-24	Lansing	53 WLAJ	PR<1410kw/300m, 42-25-13/84-31-25
Rochelle	65 W65EC	PR>150kw, 41-52-33/88-45-16	Mount Pleasant	32 WBWM-LP	CC from W32BT
Rochelle	68 W68DQ	PR>150kw, 42-04-28/88-49-24	Pinconning	57 WUHO-LP	CC from W57CS
<u>Indiana:</u>			S. S. Marie	8 WGTQ	PG<288m, 46-03-08/84-06-38, DA
Evansville	9 WNIN	PC>304m, 37-59-01/87-16-13	<u>Minnesota:</u>		
Evansville	12 WNIN-DT	LC 30kw/285m, 37-59-01/87-16-13	Albert Lea	31 K31GU	NS 10kw, 43-38-00/93-22-15
Terre Haute	38 WBAK-TV	XR 39-13-55/87-23-41	Alexandria	44 K44GH	PR>1.2kw, 45-55-59/95-26-50
Terre Haute	47 W47CT	PR>150kw, 39-39-14/87-26-37	Brainerd	28 KAWB-DT	LC 46.8kw/227m
Wolcott	43 WAJN-LP	CC from W43CD	Breezy Point	46 KLKS-LP	QG from ch. 14
<u>Iowa:</u>			Intl. Falls	39 K39GT	NS 3.6kw, 48-35-55/93-25-01, 3Abn
Cherokee	16 JD0415YZ	AF dismissed 73.3566, 74.706	Little Falls	18 K18GF	PR<15.21kw, 46-59-03/94-19-57
<u>Kansas:</u>			St. Paul	19 K19ER	QC from K53CH, 4.83kw, 44-58-34/93-16-21
Colby	4 KLBY	PR<226m, 39-15-09/101-21-09	Willmar	13 K13YA	NS 1.5kw, 45-17-23/94-55-47
Dodge City	21 KDCK-DT	LC 8.42kw/99m (switches from analog to digital)	<u>Mississippi:</u>		
Dodge City	48 new-LP	dismissed-settlement	Biloxi	39 WLOX-DT	LC 715kw/366m, DA
Dodge City	50 new-LP	AF dismissed-	Cleveland	63 new-LP	dismissed-settlement
Dodge City	settlement		Greenwood	42 new-LP	dismissed-settlement
Garden City	39 K39FW	PC<10.1kw	Pontotoc	55 W55DC	NS 1kw, 34-14-57/88-59-52
Hays	16 KOOD-DT	LC 496kw/304m, DA	Tupelo	55 W55DB	NS 1kw, 34-14-38/88-22-21
Hutchinson	29 KPTS-DT	LC 146kw/217m	Tylertown	23 W23CM	NS 12.7kw, 31-08-27/90-04-09
Manhattan	35 new-LP	dismissed-settlement	<u>Missouri:</u>		
Pittsburg	14 KFJX	PR<163m	Joplin	64 K36DF	QC from ch. 36, 13.7kw
Wichita	47 K47IE	QG from K59DA, 8.3kw			
<u>Kentucky:</u>					
Beattyville	7 WLJC-DT	LC 28kw/322m, 37-36-47/83-40-18			

Rolla	42 new-LP	dismissed-settlement	Roswell	21 KRWB-TV	CC for new station
St. Louis	7 KPTN-LP	QG from ch. 58, 2.91kw	Ruidoso	35 K35GU	NS 8.7kw, 33-24-14/105-46-55 KENW [3], PBS
<u>Montana:</u>					
<i>Billings</i>	10 KTVQ-DT	GA from ch. 17	Santa Fe	46 K46GY	QC from K52BS; 150kw, 35-12-51/106-27-02
Bozeman	40 new-LP	dismissed-settlement	Taos	43 K43IA	QG from K58DW, 6.2kw
Brockton	53 K53IC	NS 1kw, 48-23-03/104-54-32	Tucumcari	24 K24GA	NS 12.4kw, 35-08-02/103-41-56
Butte	24 KBTZ	LC 330kw/570m, 46-00-24/112-26-30	<u>New York:</u>		
Great Falls	24 K24FZ	NS 9.66kw, 46-30-36/113-58-45	Garden City	21 WLIW	PC<2735kw
Heron	13 K13YB	NS 122w, 47-57-05/115-39-22	Hudson	21 W21BU	PG<300w, 42-13-06/73-51-54
Jordan	13 K13YD	NS 180w, 47-19-55/107-04-56	Pitcairn	28 W28CI	NS 500w, 44-12-20/75-17-40
Stanford	51 K51HC	NS 1.23kw, 47-10-29/110-15-47	<i>Rochester</i>	59 WOKR-DT	NW 8.7kw/133m
White Sulphur 6	K06NV	QG from K10NX	Syracuse	14 WAWA-LP	PG<9.8kw
White Sulphur 57	K57CX	PG>870w, 46-32-52/110-54-07	Syracuse	24 WCNY-TV	PC>1875kw/393m, 42-56-42/76-07-07
Wolf Point	55 K55BX	PC<820w, 48-17-28/105-15-09	Syracuse	25 WCNY-DT	LC 97kw/393m, 42-56-44/76-07-07
<u>Nebraska:</u>			<u>North Carolina:</u>		
North Platte	9 KPNE-TV	PR>334m, 41-01-22/101-09-14	Asheville	44 WJJV-LP	PR>95.9kw
<u>Nevada:</u>			Charlotte	6 W34BN	PR>3kw
Beowawe	30 K30HF	NS 164w, 40-37-15/116-41-17	Charlotte	27 WCCB-DT	LC 1000kw/368m, DA
Carson City	29 K15AN	QC from ch. 15	Greenville	9 WNCT-TV	PR>575m, drop DA
Carson City	48 KNCV-LP	QC from ch. 65, 11.2kw, 39-15-21/119-42-37	Lumberton	7 WLPS-LP	PC>3kw
Las Vegas	43 K43FO	PG>10.2kw, 36-00-29/115-00-23	<u>North Dakota:</u>		
Laughlin	34 KMCC	PG>416kw/-63m, 35-10-08/114-38-09	Parshall	53 K53ID	NS 1kw, 47-58-22/102-07-53
Pahrump	62 KHMP-LP	CC from K62FX	Williston	38 K38HS	NS 18.4kw, 48-09-18/103-30-01
Reno	13 KTVN-DT	LC 16.1kw/876m, 39-18-57/119-53-02	Wilton	57 K57JD	NS 1kw, 47-08-24/100-42-33
Reno	15 KNPB-DT	PR<149m	<u>Ohio:</u>		
Reno	25 KRRI-LP	PG>14.9kw	Athens	27 WOUB-DT	LC 250kw/242m, 39-18-52/82-08-59
Round Mountain 18	K18GR	QC from K58FM	Canton	39 WDL-DT	LC 200kw/292m, 41-03-20/81-35-38
Round Mountain 24	K24GC	QC from K55HQ	Cincinnati	25 WOTH-LP	QG from ch. 35, 34.5kw
Round Mountain 27	K27HN	QG from K61GL	Dayton	58 WPTD-DT	LC 290kw/320m
Round Mountain 39	K39GQ	QG from K63FP	Steubenville	9 WTOV-TV	PG 316kw/282m, 40-20-33/80-37-14
Tonopah	5 K05LL	NS 3kw, 38-04-30/117-13-14	Toledo	46 WUPW-DT	LC 110kw/356m, DA
Verdi	30 K15CT	QR from ch. 15, 800w	<u>Oklahoma:</u>		
<u>New Jersey:</u>			Ardmore	17 K17FB	QC from ch. 32
Morristown	36 W38BS	QR from ch. 38, 7.75kw dismissed 73.3566 & 74.706	Ardmore	53 K53IH	NS 3kw, 34-09-53/97-10-30
Sussex	35 W35BY	QG from ch. 36, 3kw	Clinton	16 K16FP	NS 3.5kw, 35-31-25/98-58-54 TBN
Trenton	43 WNJT-DT	LC 46kw/266m, 40-16-58/74-41-11	Poteau	50 K50HP	QG from K59GJ, 37.3kw
Trenton	52 WNJT	PG<266m, 40-16-58/74-41-11, drop DA	Tulsa	23 KOKI-TV	PC<3160kw
<u>New Mexico:</u>			<u>Oregon:</u>		
Alamogordo	27 new-LP	AF 1kw, 32-56-42/105-56-47 dismissed	Ashland	63 KFBI-LP	CC from K63GS
Alamogordo	49 K59AB	QC from ch. 59, 2.11kw	Cave Junction	48 K48GO	QG from ch. 61, 4.1kw
Albuquerque	35 KNME-DT	LC 250kw/1287m, 35-12-50/106-27-01	Cottage Grove	14 K14LP	QG from K44DC
Caballo	45 K45HJ	NS 1.165kw, 32-58-03/107-13-35	Grants Pass	13 K13XZ	QG from K15BP, 30w
Cliff	31 K31GQ	QG from K02KG, 570w	Grants Pass	50 K50FW	QC from K38CP
Hobbs	40 K16EB	QR from ch. 16, 10kw, 32-40-25/103-06-41	Klamath Falls	29 KDKF-DT	PG<5kw/651m, DA; already on
Las Cruces	46 K46DH	PR 6.2kw, 32-17-34/106-41-46 dismissed 73.3566 & 74.706	Medford	14 K14LG	NS 50kw, 42-14-12/122-45-57
Lordsburg	14 K14LO	QG from K63DU	Medford	38 KDRV-DT	LC 38.9kw/819m, DA
Portales	32 KENW-DT	LC 82.6kw/190m, 34-15-08/103-14-21	North Bend	13 K13JQ	PG>2kw,

Portland	5	KWBP-LP	43-23-30/124-07-48 PC>2.5kw	Hanksville	50	K62EY	QC from ch. 62
Rogue River dismissed	48	K67EX	QR from ch. 67	Koosharem	41	K41FZ	CC from K17CZ
<u>Pennsylvania:</u>				Koosharem	45	K45FV	CC from K15EL
Allentown	46	WFMZ-DT	PR>500kw/314m	Montezuma Crk	13	K13YC	NS 45.5w, 37-15-36/109-17-22
Allentown	62	WLVT-DT	LC 47.7kw/294m, 40-33-52/75-26-24, DA	Mount Pleasant	20	K20HQ NS	1.377kw, 39-32-21/111-23-17 KUWB [30] WB
Greensburg	50	WPCB-DT	LC 362kw/264m	Navajo Mtn.	4	K04PP	NS 45.4w, 37-01-16/110-45-58
Kittanning	44	W44CG	QR from W25AX dismissed	Navajo Mtn.	7	K07XU	NS 45.4w, 37-01-16/110-45-58
<u>South Carolina:</u>				Ogden	36	KULC-DT	LC 200kw/1256m, 40-39-33/112-12-07, DA aux backup
Charleston	47	WCSC-DT	granted DA	Provo	32	KCBU	LC 2990kw/825m, 40-16-45/111-56-00, DA
Columbia	41	WIS-DT	LC 874kw/462m	Richfield	19	KUES-DT	LC 330w/441m, 38-38-04/112-03-33, DA; switches from analog to digital
Conway	9	WHMC-DT	PA from ch. 58	Salt Lake City	66	K66FN	PG>38kw, 40-39-35/112-12-02
Johnston	56	W56EE	QC from W33CA, 49.4kw, 33-36-41/81-56-30	Sevier County	41	K41GA	CC from K29CU
Orangeburg	55	W55CQ	QC from ch. 52, 14.2kw	Sevier County	45	K45FT	CC from K31DL
Spartanburg	7	WSPA-TV	PR 265kw/676m	St. George	56	K56IB	NS 10kw, 36-50-49/113-29-28
Spartanburg	53	WSPA-DT	PR<875kw/657m	St. George	58	K58HQ	NS 8kw, 36-50-49/113-29-28
Spartanburg	66	W66CA	QR from ch. 66 dismissed	Tooele	52	K50ES	QC from ch. 50
<u>South Dakota:</u>				Wanship	12	K12LC	PG>40w
Rapid City	26	KBHE-DT	LC 76.3kw/192m	<u>Vermont:</u>			
Reliance	13	KPLO-DT	QG from ch. 14, 40kw/318m	Burlington	13	WVNY-DT	GA from ch. 16
Sioux Falls	32	KELO-DT	LC 869kw/589m	White River Jc.	27	W27CP	NS 5kw, 43-37-00/72-26-23 // WMTW [8], ABC
<u>Tennessee:</u>				Windsor	47	W47CS	NS 500w, 43-26-15/72-27-08
Crossville	50	WBXX-DT	LC 375kw/719m, DA	<u>Virginia:</u>			
Lebanon	11	W11BD	PG>3kw	Marion	42	WMSY-DT	LC 100kw/448m, 36-54-07/81-32-32
Memphis	26	W67CV	QR from ch. 67, 105.8kw	Norfolk	33	WTVZ-TV	PC>361m; PR<2650kw/376m
<u>Texas:</u>				Norton	32	WSBN-DT	LC 100kw/591m
Abilene	5	new-LP	dismissed-settlement	Roanoke	3	WBRA-DT	LC 7.25kw/618m, DA
Abilene	26	K26HG	NS 10kw, 32-25-03/99-58-15	Roanoke	25	W25DE	QG from W54BT, 148kw
Abilene	48	WIRP-LP	CC from K48HX	<u>Washington:</u>			
Alice	33	new-LP	dismissed-settlement	Moses Lake	43	K43HZ	QG from K58BL
Baytown	57	KAZH	PC>597m, 29-34-15/95-30-37	Moses Lake	59	K59IA	QG from ch. 64
Bryan	63	KMAY-LP	CC from K63DL	Richland	38	KTNW-DT	LC 47.6kw/361m, 46-06-12/119-07-40, DA
Corpus Christi	49	new-LP	dismissed-settlement	Seattle	40	K68DL	QR from ch. 68, 16.6kw
Dallas	45	KDTX-DT	PR>1000kw/494m, 32-32-36/96-57-32, DA	Spokane	7	KSPS-TV	AF 67.92kw/500m, DA aux backup
Harlingen	38	KMBH-DT	PG>1000kw/346m	Tacoma	27	KBTC-DT	LC 47.2kw/224m
Houston	19	KTXH-DT	LC 421kw/596m, 29-33-44/95-30-35, DA	<u>West Virginia:</u>			
Houston	24	KETH-DT	PR>900kw/579m, 29-34-15/95-30-37	Charleston	16	W16CE	QG from W23BH, 65kw
Houston	44	KZJL-DT	PG>579m, 29-33-44/95-30-35	Charleston	52	new	GA from ch. 23
Lubbock	2	new-LP	dismissed-settlement	Moorefield	22	W22CV	LC 40w, 38-58-57/78-54-31
Monahans	13	KWES-DT	GA from ch. 15	<u>Wisconsin:</u>			
Odessa	31	KOSA-DT	PR>912kw/205m	Marshfield	54	W54DJ	NS 1kw, 44-42-48/90-09-28
Quanah	33	K33HG	NS 750w, 34-12-41/99-44-05	<u>Wyoming:</u>			
San Antonio	8	KLRN-DT	LC 8.3kw/259m, 29-19-38/98-21-17	Cheyenne	11	KKTU-DT	PG 16kw/650m, 40-32-47/105-11-50, DA
San Antonio	14	K14LM	QG from K57GO, 53.1kw, 29-26-29/98-30-22	Kemmerer	5	K05LJ	NS 3kw, 41-46-45/110-32-12
San Antonio	27	KTDF-LP	CC from K27EA	Laramie	14	K14LK	NS 25kw,
San Juan	33	new-LP	dismissed-settlement				
Texarkana	40	K40HD	NS 25kw, 33-36-01/94-01-06				
Victoria	34	KVIT-LP	QC from ch. 53, 40kw, 29-34-16/95-30-38				
Vidor	66	K66GD	NS 20kw, 30-06-50/94-01-44				
Wichita Falls	44	K44GS	QG from K24AD, 3.34kw				
<u>Utah:</u>							
Hanksville	46	K64EB	QC from ch. 64				
Hanksville	48	K66CC	QC from ch. 66, 10w				

**U.S. Possessions:****Puerto Rico:**

Mayaguez 51 W51DJ NS 6.41kw,
18-11-05/67-06-40

**U.S. Virgin Islands:**

Christiansted 15 WCAV CC from WPXO
Christiansted 39 WCVI GA from ch. 27 due to
WAPA-DT interference

Notes:

My apologies for any strange formatting this month. I've been working on an FM experiment, and by the time I realized things weren't right with the TV part, it was too late to change it.

Thanks to David Austin, Jeff Kruszka, Rick Lucas, John Johnson, and Frank Aden for information appearing elsewhere in this month's column.

The situation with channels 23 and 52 in Charleston, West Virginia is a bit perplexing. As stated in the Public Notice, channel 23 is to be withdrawn and replaced by channel 52. However, channel 52 is outside "core spectrum". Any new station built on this channel would have to move or go off the air at the end of the DTV transition. It could conceivably have only three years to live.

Also, the Public Notice says the FCC is granting the petition because they believe allocating channel 52 will provide Charleston with additional DTV service. It would seem that replacing one channel with another would not provide any additional service.

My suspicion is that channel 52 is to be added. Channel 23 will be built as an analog station, and 52 used for an associated DTV station. Or potentially, the other way around. KBEJ-2, another station that failed to receive a second channel for DTV because of receiving its permit too late in the game, has filed a similar petition to allocate channel 63 for their digital service.

Lose one, gain two... It looks like channel 10 in Red Deer, Alberta has changed its mind about moving to channel 2. Good idea; channel 2 is pretty crowded in Alberta! Incidentally, the CBC has now applied to take over this station and the channel 10 in Coronation. They've indicated both stations will relay CBXT in Edmonton.

While we lose one new low-band station, we gain two. KIDA-5 in Sun Valley, Idaho has filed for a license to cover. I have no idea what kind of

programming is being run. And WBBM now has some digital competition on channel 3. WBRA-DT in Roanoke, Virginia is now on the air. WBRA is a PBS affiliate.

The FCC has established procedures for dealing with stations that fail to meet DTV construction deadlines. There are three steps:

- 1 On the first failure to meet deadline, the station will be admonished. A six-month extension will be granted, but with special reporting requirements. Within 30 days, the station must report the steps to be taken to complete construction and the approximate dates when each step will be completed. After 60 days, another report is required showing progress and justifying any delays. If either report shows failure to use reasonable steps to complete construction, or shows the station working in bad faith, the Commission may impose additional sanctions.
- 2 If construction is not complete after six months (and there are no compelling and extraordinary circumstances), a Notice of Apparent Liability (fine) will be issued. A second six-month extension will be granted, but with requirements to report every 30 days.
- 3 Finally, if construction is not complete one year after admonition, the stations' DTV permit will be considered expired.

If a station loses its DTV permit this way, it will be allowed to continue analog broadcasting until the end of the digital transition. However, at that time it will not be automatically allowed to switch to digital operation on its existing analog channel. Instead, the analog channel will be opened to new applicants. The offending station may apply for the channel, but will be on the same footing as any other applicant.

DTV channels vacated this way will be deleted from the table of allocations. However, the deletion will be "without prejudice". In other words, someone will be allowed to petition the Commission to restore the channel to the table.

In this proceeding the FCC seems to have acknowledged some of the interference problems people are having in the DTV transition. (WHRO-DT vs. WBOC on channel 16; WMVS-DT vs. WOOD on channel 8; various analog stations vs. WBBM-DT on channel 3) They indicated that due to interference concerns, they do not intend to automatically open up any vacated DTV allotments to new applicants. Rather, they'll require the applicant to show that the channel can be used without interfering with other stations.

There are a few more DTV-only stations showing up this month. [Http://www.100000watts.com](http://www.100000watts.com) reports WTHC-LP channel 42 in Atlanta has switched to digital operation. I know of at least two

LPTVs that have operated digitally on an experimental basis, but WTHC is the first one I know of to go digital for regular broadcasts. There are a number of experimental digital translators operating in Utah, but again without regular licenses.

LPTVs may choose to switch to digital at any time. They do not get a second channel for digital operation. There are, however, no multiple-ownership regulations for LPTV. If WCKV-LP wished to begin digital operation, they could buy W26CJ and use it for digital.

Maybe more interesting is the decision of KVMD-31 in Twentynine Palms, California to discontinue operation of their analog station and become a DTV-only operation on channel 23.

Apparently KVMD requested FCC permission to close their analog station earlier in 2002, and were denied. So, they pulled together some documentation and tried again.

They succeeded in convincing the Commission that literally nobody watches KVMD's over-the-air analog signal. The FCC decision document says, quote: "You submit documentation from Nielsen research that purports to show that there is *no* over-the-air viewing of KVMD(TV)." (emphasis mine)

Still, the FCC seems to be erring on the side of caution. KVMD is required to begin airing special announcements 30 days before closing the analog transmitter, informing viewers of their intent to switch to digital-only operation.

I do not understand why similar requirements were not placed on WWAC in New Jersey when they requested authority to make a similar move. Indeed, WWAC never claimed they had no over-the-air analog viewership.

Another action waives the DTV simulcast requirements for non-commercial stations for six months, and gives a special waiver to the two non-commercial stations in Milwaukee.

As of April 1st, DTV licensees were required to simulcast at least 50% of their analog programming on their digital station. This figure grows to 75% in April 2004, and 100% in 2005.

Not only does this requirement prohibit stations from presenting programs only in analog – it also sets a minimum operating schedule for the DTV transmitter. Many stations have been sticking to this minimum schedule to save money on utility bills. (operating a high-powered UHF transmitter is not cheap!) This year, the DTV transmitter must be on

the air at least half the time the analog station is. Next year, it'll be $\frac{3}{4}$ of the time, and in 2005 whenever the analog station is on the air, the digital must be too.

PBS-affiliated non-commercial stations face special challenges, and have special opportunities. Because their deadline for beginning DTV broadcasts is a year later than the deadline for commercial stations, they are required to put a signal on the air and comply with the 50% simulcast requirement simultaneously.

At the same time, the PBS network provides affiliates a pre-encoded datastream that can be patched directly to a transmitter. Our local PBS station here in Nashville has indicated they may not be able to get an encoder working promptly, and may be forced to pass through this PBS datastream until their encoder is ready. Many other PBS affiliates face similar situations.

The Commission has provided a partial waiver of the 50% simulcast requirement. Non-commercial stations will still be required to broadcast a digital signal at least 50% of the time that their analog station is on the air. However, they will not be required to broadcast the same programs on their digital station.

The Milwaukee Area Technical College (MATC) operates two PBS-affiliated non-commercial stations: WMVS-10 and WMVT-36. WMVS-DT is already on the air on channel 8, and WMVT-DT expects to begin operations on channel 35 in July.

MATC proposes to use WMVS-DT to simulcast the analog programs of both WMVS and WMVT. WMVT-DT will then be used to air PBS high-definition programs full-time.

This operation would be in violation of the simulcast requirements with regard to WMVT-DT. However, the FCC considers it an innovative use of the DTV signal and a public service to Milwaukee viewers. They've granted MATC a waiver to allow this operation.

Pax also requested a waiver of the simulcast requirements. They want to be allowed to operate their DTV stations on a limited schedule, thus saving on utility bills and other expenses. This waiver has been denied.

Skip season seems to be off to an excellent start – and we've had a couple of impressive tropo openings too. (just at deadline, I've heard a rumor that the DTV distance record may have been completely shattered) Good luck, and good DX!

More DTV Special Temporary Authorities:

<u>Alaska:</u>			New Orleans	21 WHNO-DT	5.5kw/136m
Anchorage	32 KDMD-DT	647w/-74m, 61-09-42/149-51-09	Shreveport	44 KSHV-DT	1kw/42m, 32-28-45/93-47-53
<u>Alabama:</u>			<u>Maryland:</u>		
Dothan	36 WTVY-DT	45.5kw/561m	Hagerstown	55 WHAG-DT	900w/346m, 39-39-45/77-57-54
Huntsville	32 WAAY-DT	2.6kw/287m, 34-44-15/86-31-56	<u>Michigan:</u>		
<u>Arkansas:</u>			Alpena	13 WBKB-DT	90w/12m, 45-03-53/83-28-23
Jonesboro	9 KAIT-DT	1.5kw/123m	Onondaga	57 WILX-DT	43.4kw/258m
Rogers	50 KFAA-DT	3kw/267m , 36-24-47/93-57-16	<u>Minnesota:</u>		
<u>Arizona:</u>			Austin	20 KSMQ-DT	34.2kw/303m
Kingman	19 KMOH-DT	24.7kw/584m	Duluth	17 KQDS-DT	3.14kw/223m
Tucson	30 KUAT-DT	12.2kw/1092m	<u>Missouri:</u>		
<u>California:</u>			Columbia	22 KMIZ-DT	48.4kw/343m
Arcata	22 KAEF-DT	731w/454m	Hannibal	29 KHQA-DT	56kw/241m
Chico	36 KNVN-DT	2.4kw/376m, 39-57-28/121-42-54	Joplin	46 KSNF-DT	1.65kw/191m
Chico	43 KHSL-DT	2.4kw/376m, 39-57-28/121-42-54	Springfield	28 KDEB-DT	3.79kw/180m
Eureka	11 KEET-DT	18kw/550m	Springfield	52 KOLR-DT	3.51kw/172m
Eureka	16 KIEM-DT	2.2kw/-29m, 40-44-32/124-12-00	St. Joseph	53 KQTV-DT	1.4kw/231m
Huntingtn Bch	48 KOCE-DT	80kw/921m, 34-13-37/118-03-58	<u>Mississippi:</u>		
Monterey	31 KSMS-DT	5kw/451m, 37-02-59/121-45-38	Bude	18 WMAU-DT	50kw/342m
<u>Colorado:</u>			Oxford	36 WMAV-DT	150kw/426m
Broomfield	38 KBDI-DT	42kw/732m	<u>Montana:</u>		
Castle Rock	46 KWHD-DT	7kw/179m	Billings	18 KSVI-DT	966w/201m
Denver	18 KRMA-DT	13.8kw/183m, 39-44-37/104-59-18	Butte	19 KWYB-DT	500w/585m
Grand Junctn	7 KJCT-DT	790w/892m	Great Falls	45 KTGF-DT	350w/183m
<u>Delaware:</u>			Hardin	22 KHMT-DT	2.4kw/194m
Wilmington	55 WHYH-DT	87kw/259m	Missoula	7 KPAX-DT	8.35kw/628m
<u>Florida:</u>			Missoula	36 KTMF-DT	530w/621m
Daytona Bch	49 WVEN-DT	3kw/209m, 29-17-10/81-29-37	<u>North Carolina:</u>		
Fort Pierce	38 WTCE-DT	700w/26m, 27-29-37/80-21-03	Wilmington	46 WWAY-DT	305kw/64m
Jacksonville	44 WJEB-DT	4.4kw/104m, 30-16-34/81-33-53	<u>North Dakota:</u>		
Palm Beach	49 WFGC-DT	30kw/125m, 26-45-47/80-12-19	Fargo	19 KVRD-DT	4.81kw/48m, 46-52-03/96-50-56
Tallahassee	22 WTXL-DT	2.4kw/292m, 30-40-06/83-58-10	<u>Nebraska:</u>		
Tampa	34 WUSF-DT	21.2kw/453m	Norfolk	16 KXNE-DT	38kw/122m
Tampa	54 WEDU-DT	387kw/453m	Omaha	45 KMTV-DT	250kw/393m; Modified for 700kw
Venice	25 WVEA-DT	5kw/151m, 27-06-01/82-22-18	<u>New Jersey:</u>		
<u>Georgia:</u>			Wildwood	36 WMGM-DT	2.69kw/100m
Albany	12 WFXL-DT	177w/76m, 31-37-09/84-11-15	<u>New Mexico:</u>		
Atlanta	41 WATC-DT	2.9kw/293m	Albuquerque	17 KAZQ-DT	8.05kw/1233m
Monroe	44 WHSG-DT	500w/103m, 33-49-22/83-53-49	Albuquerque	42 KLUZ-DT	6kw/1237m
<u>Illinois:</u>			Las Cruces	23 KRWG-DT	1.03kw/-49m, 32-16-58/106-45-01
Peoria	30 WMBD-DT	1.86kw/178m	Santa Fe	10 KCHF-DT	1.75kw/556m
<u>Indiana:</u>			<u>Nevada:</u>		
Evansville	28 WTVW-DT	4.5kw/83m	Las Vegas	16 KINC-DT	9kw/505m, 35-56-44/115-02-31
Fort Wayne	19 WKJG-DT	9.9kw/235m	Reno	15 KNPB-DT	1.51kw/116m
Fort Wayne	36 WFFT-DT	970w/64m	Reno	44 KRXI-DT	500kw/836m
South Bend	35 WNIT-DT	40kw/333m, 41-36-49/86-11-20	<u>New York:</u>		
Terre Haute	36 WTWO-DT	1.92kw/268m	Corning	50 WYDC-DT	450w/224m, 42-08-31/77-04-40
<u>Kentucky:</u>			Garden City	22 WLIW-DT	80kw/111m
Bowling Green	18 WKYU-DT	25kw/177m	Plattsburgh	38 WCFE-DT	7.5kw/721m
Harlan	51 WAGV-DT	275kw/577m	Poughkeepsie	27 WTBY-DT	500w/301m, 41-43-09/73-59-47
Hazard	12 WYMT-DT	2kw/208m	<u>Ohio:</u>		
<u>Louisiana:</u>			Portsmouth	17 WHCP-DT	19.1kw/358m
Lafayette	28 KATC-DT	10.8kw/41m, 30-13-25/92-03-20	<u>Oklahoma:</u>		
Lake Charles	8 KPLC-DT	3.4kw/92m, 30-23-43/93-00-08	Tulsa	48 KWHB-DT	9kw/51m, 36-02-11/95-53-00
			<u>Pennsylvania:</u>		
			Erie	22 WFXP-DT	1.76kw/272m, 42-02-24/80-04-08
			Erie	58 WJET-DT	1.37kw/284m, 42-02-24/80-04-08
			Hazleton	45 WOLF-DT	6kw/302m, 41-11-01/75-52-02
			<u>Puerto Rico:</u>		
			Aguadilla	44 WVEO-DT	900w/364m

Mayaguez	23 WNJX-DT	54.5kw/645m
Ponce	19 WKPV-DT	50kw/269m
Ponce	48 WVOZ-DT	1.08kw/241m
San Juan	18 WTCV-DT	1.06kw/260m, 18-16-30/66-05-36
San Juan	55 WIPR-DT	39kw/776m
San Sebastian	39 WJWN-DT	23.5kw/318m

South Carolina:

Charleston	34 WCIV-DT	20kw/522m
Charleston	50 WCBD-DT	10.8kw/209m, 32-47-57/79-53-49

South Dakota:

Sioux Falls	47 KDLT-DT	1.4kw/310m
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Tennessee:

Chattanooga	40 WDSI-DT	6kw/3m, 35-02-48/85-19-10
Cookeville	36 WNPX-DT	650kw/429m

Texas:

Amarillo	15 KCIT-DT	8.5kw/177m
Amarillo	19 KAMR-DT	8.5kw/177m, 35-20-33/101-49-21
Beaumont	33 KITU-DT	900w/123m
El Paso	30 KCOS-DT	393kw/226m
Harlingen	31 KGBT-DT	1000kw/63m
Houston	44 KZJL-DT	25.5kw/461m
Jacksonville	22 KETK-DT	3.79kw/103m
Llano	27 KXAM-DT	125kw/245m

Lubbock	27 KAMC-DT	980w/60m
Lubbock	40 KLBK-DT	960w/64m
Rio Grande City	20 KTLM-DT	14kw/63m, 26-31-01/98-39-07
Wichita Falls	15 KJTL-DT	2.22kw/283m
Wichita Falls	22 KAUZ-DT	47.1kw/293m
Wichita Falls	28 KFDX-DT	1.17kw/278m

Utah:

Cedar City	14 KCSG-DT	395w/317m, 37-38-22/113-02-00
------------	------------	----------------------------------

Virginia:

Grundy	49 WLFG-DT	250kw/658m
Harrisonburg	49 WHSV-DT	65kw/638m

Wisconsin:

La Crosse	41 WKBT-DT	9.13kw/298m
Milwaukee	25 WCGV-DT	24.8kw/340m
Milwaukee	61 WVTV-DT	18.9kw/302m

West Virginia:

Huntington	47 WOWK-DT	7.57kw/396m
------------	------------	-------------

Wyoming:

Casper	17 KTWO-DT	1kw/597m, 42-44-37/106-18-31
Casper	18 KFNB-DT	11.5kw/572m
Lander	8 KCWC-DT	2.5kw/433m
Riverton	16 KFNE-DT	14.05kw/487m

Sports Radio!

Old West Graphics is proud to announce the release of the new book 'SPORTS RADIO'. SPORTS RADIO, a spiral-bound, 164-page book, lists everything sports, that's on the radio.

Listed by alphabetical categories, you'll find flagship radio stations and their network affiliates for the major leagues and minor leagues in Baseball, Basketball, Football, Ice Hockey, and Soccer. Also listed are the sports teams for the top 25 in each sport of baseball, basketball, and football in NCAA collegiate sports, which includes Division I, II, and III colleges. The top fifteen in Collegiate ice hockey are even included! If that's not enough sports radio coverage, SPORTS RADIO has an auto racing section, which covers CART racing, Formula One racing, Indy Motor Sports, and NASCAR. Finally, there's even a section called Sports Radio, which is aptly just that - US radio stations listed by frequency, where their programming is primarily sports news and sporting events (such as ESPN and Sporting News affiliates).

With each team listing, we first give you the basics: the name of the team, their home town and state, what conference and division they're in, if they have any affiliations with other teams, where they play their home games and capacity seating, and finally, the flagship radio station and their list of affiliate radio stations, listed alphabetically by state, then listed alphabetically by city or town, with call letters and frequency on the radio dial, whether AM or FM.

If you're a FAN of the game, this book is DEFINITELY for you!!!!!!

If you DX, this book will help you in your search for new FM loggings!

If you would like to get your hands on one or more copies of SPORTS RADIO, just send a check or money order for **\$12.00*** (payable to Dave Janowiak) and mail it to:

**WTFDA
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Somersville, CT 06072**

(*retails for \$17.50 elsewhere)

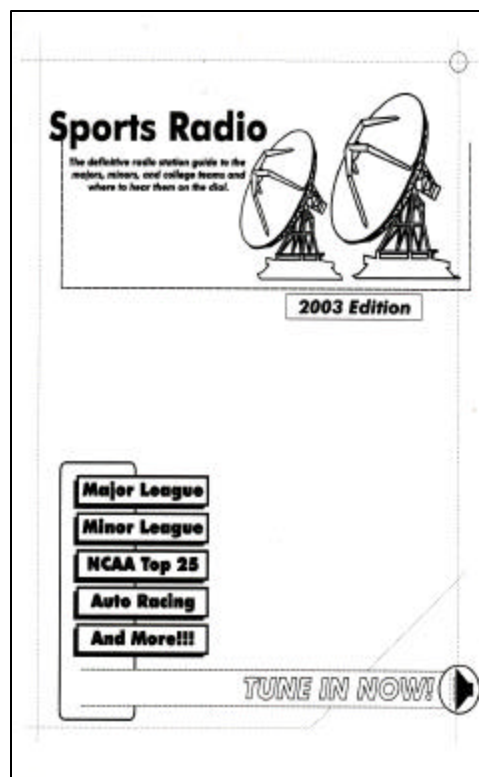


PHOTO-NEWS

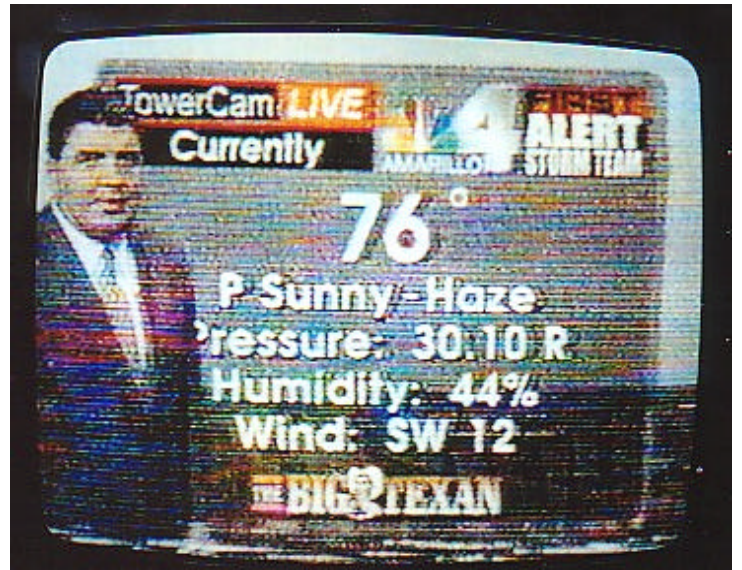
Jeff Kruszka, Editor
5024 S. Braxton Ave.
Baton Rouge, LA 70817
jkruszka@bellsouth.net

June 2003

More from Aaron Mitterling, of Ft. Wayne, IN:



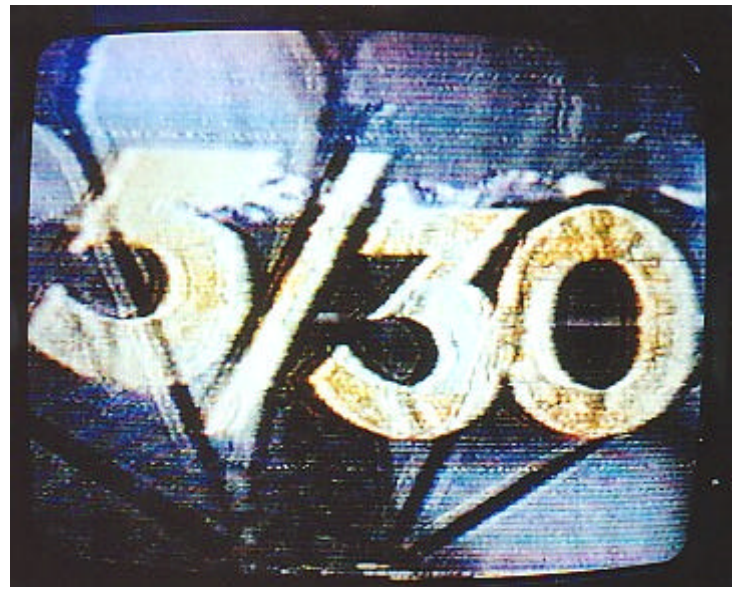
WTVJ-6 Miami, FL
1130 mi Es seen 6/25/02



KAMR-4 Amarillo, TX
950 mi Es seen 6/25/02



KSWK-3 Lakin, KS
700 mi Es seen 6/25/02



KOAA-5 Pueblo, CO
1000 mi Es seen 6/25/02
You can't get a much bigger ID than that! - jtk



KXAS-5 Ft. Worth, TX
850 mi Es seen 7/14/02



KYUS-3 Miles City, MT
1000 mi Es seen 7/17/02



WLBZ-2 Bangor, ME
880 mi Es seen 1/26/03



CJCH-5 Halifax, NS
1100 mi Es seen 1/26/03

And here's where it all comes in, Aaron's main antenna. It's a Radio Shack VU-190XR, with RS rotor, 20 dB preamp, and telescopic mast mounted 20-25 feet above the chimney.



73's,

Jeff

Eastern TV-DX

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

June, 2003

July, 2003 column deadline: June 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!

William McGuire, Cheverly, MD

Equipment: 13" Admiral color TV.

4/15 tr

2025 WHYY-12 DE Wilmington, PB 2030
WGAL-8 PA Lancaster, NBC
2032 WTXF-29 PA Philadelphia, Fox
2035 WPSG-57 PA Philadelphia, UPN

2039 WLYH-15 PA Lancaster, ID
2043 unID-23 SS Telemundo
2045 WCAU-10 PA Philadelphia
4/16 tr
1015 WTVR-6 VA Richmond, promo

John Vervoort, 1318 Diuguid Drive, Murray, KY 42071-1671

Equipment: 2002 Panasonic CT-2017F 20" TV, 1994? Sharp VCR, amplified Sensor Winegard outdoor antenna, 1999 RCA E13208GY 13" TV, Radio Shack amplified indoor antenna.

3/17 tr

1833 WMC-5 TN Memphis

4/3 tr

1857 KTVI-2 MO St. Louis
1857 unID-3 mixing w/local WSIL
1857 KMOV-4 MO St. Louis
1904 KSDK-5 MO St. Louis

4/4 tr

2154 WTVW-7 IN Evansville
under semi-local WBBJ
2157 WAZE-19 KY Madisonville

4/5 tr

1907 WKRN-2 TN Nashville
to WSMV-4 TN Nashville
1911 WTVF-5 TN Nashville
WTVW-7 IN Evansville u/WBBJ
WNPT-8 TN Nashville o/local WSIU
WNIN-9 IN Evansville
Mixing with WQWQ-LP Paducah, KY
WFIE-14 IN Evansville

WZTV-17 TN Nashville
WAZE-19 KY Madisonville
WUXP-30 TN Nashville
WNAB-58 TN Nashville

4/15 tr

0830 WBKO-13 KY Bowling Green
0835 WBKI-34 KY Campbellsville
0835 WNKY-40 KY Bowling Green
0835 WKGB-53 KY Bowling Green
5/1 tr
1715 2/4/5/8/17/30/58 TN Nashville
to 13/40/53 KY Bowling Green
1918 WCTE-22 TN Cookeville
WNPX-28 TN Cookeville
WLKY-32 KY Louisville
WHTN-39 TN Murfreesboro
WJFB-66 TN Lebanon
unIDs
19,20,25,26,31,43,50,52,57

Roy Barstow, P.O. Box 2488, Teaticket, MA 02536

roybarstow@hotmail.com

4/14 tr

1730 15/27/33/43/49 eastern Virginia
W24BI-24 VA Virginia Beach
the most consistent LP from this area
41/44/60 VA Onancock
2030 WNLO-45 VA Virginia Beach
WYDO-14 NC Greenville
W18BS-18 VA Hampton 450
WPXU-35 NC Jacksonville 577
WEPX-38 NC Greenville
W51CW-51 NC Wilmington 660
W63AM-63 VA Craddockville

W39BW-39 VA Newport News
W52AB-52 VA Craddockville
W60CV-60 NC Greenville
W65CP-65 VA Chesapeake
WUPV-65 VA Ashland
WUNJ-39 NC Wilmington 660
W66BZ-66 VA Suffolk
WNCN-17 NC Goldsboro 592
W56CS-56 VA Portsmouth
WSFX-26 NC Wilmington 660
WUNP-36 NC Roanoke Rapids
2330 WMMP-36 SC Charleston 780
4/15 tr
0100 WLFL-22 NC Raleigh 591

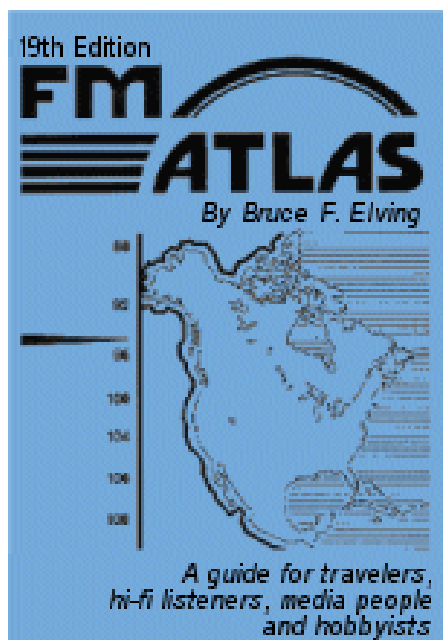
	WKFT-40	NC	Fayetteville	
	WRLH-35	VA	Richmond	
	WRAZ-50	NC	Raleigh	591
	WVEC-13	VA	Hampton	
0245	WTDV-11	NC	Durham	
0625	WITN-7	NC	Washington	
	WNCT-9	NC	Greenville	
	WAVY-10	VA	Portsmouth	
	WFXI-8	NC	Morehead City	
	WCTI-12	NC	New Bern, local quality	
	WRAY-30	NC	Wilson	
	WMMP-36	SC	Charleston	780
	WHMC-23	SC	Conway	702
	63/66/69	WAVY-10	xltrs	
	W63CW-63	NC	Goldsboro in&out w/VA	
	WNCN-17	NC	Goldsboro, localquality!	
	WJHJ-19	VA	Williamsburg	
	Goes from religion to selling back to religion			
	WPDE-15	SC	Florence <1>	688
	W39BW-39	VA	Newport News	
0800	15/27/33/43/49	e.VA	big boys super strong	
0845	W47CE-47	VA	Hampton, rel., from	
	ch62			
0900	WVBNLP-18	VA	Virginia Beach	
	W18BB-18	VA	Elizabeth City	

	W18BS-18	VA	Hampton <2>	
	60 in VA so strong it was also			
	bleeding on ch59			
	1130all DX out to 450 miles gone, except			
	W24 TBN VA, must be directional to me!			
	<u>4/16 tr</u>			
	0710DC area in good			
	WFDC-14	VA	Arlington, TEL, local quality	
	WVIR-29	VA	Charlottesville	
	WHTJ-41	VA	Charlottesville	
	WRIC-8	VA	Petersburg, tilted 8 in	
	circle			
	W60CX-60	NJ	Atlantic City	
	NYC to Atlantic City in strong this AM			
	<u>4/18 tr</u>			
	072516/22/44	PA	Scranton, 16/22 in all day	
	PM	13 stations from coastal Maine with		
	Binghamton, NY in also.			
	<u>4/19 tr</u>			
	Coastal Maine in strong. <3>			
	<u>4/21 tr</u>			
	1915CBHT7-52	NS	Digby	
	CBAT-4	NB	St. John w/hockey	
	2135CBHFT5-46	NS	Middleton	

Notes:

1. Have you ever been twiddling the radio dial and a station comes in and when tuning back to that frequency its gone? The capture ratio brings the station in briefly and then it goes away when sitting on that frequency. It's like Morse code gets through when a steady pulse does not. One can use this capture ratio to one's advantage. On April 15, this is how I caught WPDE-15 Florence, SC. Though 15 WHRO in at a good level, I noticed CCI also. By using the ICOM R-100 and going from zero to minus offset I was briefly picking up some audio. Number 1 TV was turned on to an ABC station. By going back and forth from zero to minus offset there was enough audio to identify the minus offset as ABC and hence the suspected WPDE-SC station.
2. The power of offset: on the TV just many lines, no station dominant. But with the ICOM all 3 stations revealed.
3. LP-15 Portland, ME (from ch. 45) in strong with a card which said "Your Explorer set top is not authorized for use please call 207-253-2222".

Nice spring DXing from old Cape Cod. Take care, Roy.

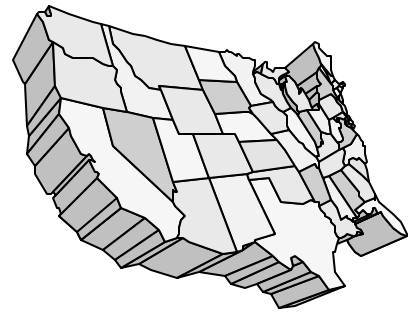


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Western TV DX

VICTOR FRANK
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WOODSIDE, CA 94062-4554
Victor.frank@sri.com



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

This report is for April 2003. Southern California coastal tropo conditions were as unsettled as in February and March, with only occasional slight tropo, typical of this late winter season, for TV-FM to San Diego/Tijuana, up to 200mi/320km.

Apr 1 am: Very poor (continuing from Mar 31)
 Apr 1 eve - 8: None (Apr 1 eve-2 & 4 showers)
 Apr 9 am: Very poor & wind)
 Apr 9 eve: Poor
 Apr 10: Very poor
 Apr 11: None
 Apr 12 am - 18 aft: Out of town, in Wasco (Rain at
 Apr 18 eve - 20 am: Poor times)
 Apr 20 eve: Fair
 Apr 21-30: None (Windy; Apr 28 light rain;
 Apr 29 windy)

Wasco Report

April 12-18: There was only some very slight apparent tropo at first and after that was absolutely dead with only regulars seen (not to mention DTV interference). However, there was a little Sporadic-E skip which helped.

April 2003 PDT
 12 tr night KAKK-LPt 52 CA Porterville 70
 CCI u/KSUV-LP Bakersfield)
 13 tr wee hours K56DZ 56 CA Fresno TBN 90
 16 Es 1530 KTVQ 2 MT Billings Q2 CBS 930
 Best of DX to All. Dennis

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

March 2003 CT

1 Gw 2230 WBXH-CA 39 LA MTV2
 moved from 46 10
 6 tr 0645 KVTH 26 AR 295
 0648 KLRT 16 AR 305
 0652 KWBF 42 AR 305
 2000 KASN 38 AR 270
 7 tr 0644 KXAN 36 TX 395
 19 tr 2223 KVUE 24 TX 395
 2330 KNVA 54 TX 395
 KEYE 42 TX 395
 24 tr 2037 XHAB 7 TA 505
 2039 KEDT 16 TX 425
 KVEO 23 TX 500
 2049 KTLM 40 TX 545
 2111 XHFOX 17 TA 535
 27 tr 1930 XHAB 7 TA 505
 2125 KEDT 16 TX 425
 2301 Austin U's TX 395
 2325 KENS 5 TX floating 445

April 2003

1	tr	0642	KATV	7	AR	305
			KTHV	11	AR	305
		0644	KLRT	16	AR	305
			KWBF	42	AR	305
		0648	KXAN	36	TX	395
			KXAM	14	TX	445
4	tr	2304	<u>KVHP-LP</u>	66	TX Note 1	170
10	Es	1926	KTVK	3	AZ	1245
		1939	KUAT	6	AZ	1175
		2019	KVOA	4	AZ	1175
14	tr	0645	XHAB	7	TA	505
		0647	Austin U's		TX	395
		0652	KTLM	40	TX	545
			KVEO	23	TX	500
		0655	KVDA	60	TX	445
		0656	KAKW	62	TX	390
		2236	KEDT	16	TX	425
15	tr	0649	Austin U's		TX	395
		0655	KVTH	26	AR	295
		0700	KTUV-LP	63	AR	295
			KWBF	42	AR	305
			KLRT	16	AR	305
	Es	1908	unid 2 Azteca-7			
	Gw	2044	<u>WBRZ-DT</u>	13	LA	10
			<u>WLPB-DT</u>	25	LA	10
		2045	<u>WWL-DT</u>	36	LA	75
		2048	<u>KLFY-DT</u>	56	LA	55
16	tr	0001	<u>WLOX-DT</u>	39	MS	135
		0004	<u>WPMI-DT</u>	47	AL	180
		0006	<u>WJTC-DT</u>	45	FL	230
		0012	<u>WXXV-DT</u>	48	MS	125
		0016	<u>WDSU-DT</u>	43	LA	75
		0033	<u>WMPN-DT</u>	20	MS	135
		0732	<u>WAPT-DT</u>	21	MS	135
		0809	WHDF	15	AL	360
		0812	WHNT	19	AL	400
		0817	WAFF	48	AL	400
		0822	WTJP	60	AL	390
21	Es	2115	unid 3			
	Gw	2133	<u>WMAU-DT</u>	18	MS	70
		2145	<u>WAFB-DT</u>	46	LA	10
22	tr	0641	<u>WMAH-DT</u>	16	MS	135
23	Es	2100	unid 3,4 brief			
25	tr	0648	Austin U's		TX	395
		0653	<u>KHWB-DT</u>	38	TX	255
		0655	<u>KTMD-DT</u>	48	TX	235
		0701	<u>KPRC-DT</u>	35	TX	255
		0703	<u>KBMT-DT</u>	50	TX	180
	Es	1846	unid SS 2, 4, 5			
		1919	KDBC	4	TX	910
		1938	KOAA	5	CO	940
		1940	XHIT	4	CH	905
28	tr	0630	Austin U's		TX	395
		0631	KENS	5	TX	445
		0701	<u>KWTX-DT</u>	53	TX	365
		0711	<u>KTXH-DT</u>	19	TX	255
		2317	<u>WDAM-DT</u>	28	MS	150

Note 1 – Color bars, with ID “KUIL-TV 66 Fox Jasper, TX.” KUIL-LP 64 is in Beaumont, TX and this is apparently a new satellite.

Well, I broke down and finally bought my own WinTV-D card off of ebay (won it for \$76). It took me awhile to figure out how to do everything with it, since I wasn't sent any directions (thanks, Mike B!). But in the end, I'm very happy with it so far, and actually find it fun to DX this way! At least I know that all of my catches will print perfectly clear in Photo News! Now I'm waiting for my first E-skip catch with it.

Jeff Kadet, K1MOD, Box 20, Macomb, IL 61455
<http://www.olddvguides.com/DXPhotos/>

April 16, 2003 CDT
 0233 WAOE-DT 39
 0236 KLJB-DT 49
 0237 KHQA-DT 29

April 18
 2158 KCRG-DT 52
 2201 KWQC 56

April 23
 0450 WIFR-DT 41
 0505 WHBF-DT 58
 0543 WRDY-LP 69 South Bend

April 29
 0415 WNDY-DT 32 HDTV Marion/Indianapolis
 0425 WFYI-DT 21 Indy
 0450 WTHI-DT 24
 0453 WICD-DT 41

May 3
 0627 KPLR-DT 26 Text ID is (WB11)

May 4
 0203 WEEK-DT 57
 0238 KTVO-DT 33
 0530 KWWF 22 Waterloo

May 13 Es
 1500 UPN 2
 XEFB 2
 XE 6+ muppet type show
 XHFI 5
 Unid 3 w/ "celebrating 50 years"
 bug in lower r
 1530 KACB 3
 WOAI 4
 KMID 2
 Azteca13 4
 KWAB 4
 1600 XHIT 4
 Chilean music on 47.79, 47.8, 47.83, 47.9,
 49.2 (two stns?), 49.7MHz
 KPRC 2
 KIII 3
 1830 KGBT 4

worked V31MD in Belize on 50.12142 and heard YS1RR in El Salvador on 50.110 but not called as wrkd before.

I've set up a bank of 5 Es TVs all connected to the vert. CM 1110 so I can monitor all lo-band channels at once. Also, the R7100 is hooked up to it to get audio and video, and I can switch to the horz. CM 1110 on it if wanted. I'm using a CM 2 way splitter and two CM 3044 four output dist. amps. DTV total at 112.

Dave Pomeroy, 2321 SE Libra Ct.
 Topeka, Kansas 66605-3505

December 27, 2002 tr
 2100 KJRH-DT 56 Tulsa, OK
 2107 KTFO-DT 42 KOKI-DT* 22 Tulsa, OK
 KOKI-23 Tulsa, OK
December 28 tr
 0100 KSNW-DT 45 Wichita, KS 135
 UNID- 63 (channel 5 logo)
 UNID- 31 (music video)
 0430 KSDK-DT 35 KDNL-DT 31 St. Louis, MO
 KOMU-DT 36 Columbia, MO
 0800 KSBI-DT 51 Oklahoma City, OK
 14,25,34,52 Oklahoma City, OK
 0855 KWEM-LP 31 Stillwater, OK
 1130 K31DY 31 Muskogee, OK
 DTV 19,21,26,45 Wichita-Hutchinson, KS
January 19, 2003
 2300 DTV 19,21,26,45 Wichita-Hutchinson, KS
February 2
 0730 KTXA-21 KFWD-52 KXTX-39 KPXD-68
 Dallas-Ft. Worth, TX
 KJRH-DT 56 Tulsa, OK
 KXAN 36 Austin, TX
 KDAF-DT 32 KTXA-DT 18 Dallas, TX 450
 KERA-DT 14 Dallas, TX
 KCTF 34 Waco, TX
 KXTX-DT 40 KTXA-DT 18 Dallas, TX
 0750 KWTX-DT 53 Waco, TX
 KNCT 46 Kileen, TX
 0800 KVUE 24 Austin, TX
 0830 KSTR-DT 48 KDFW-DT 35 Dallas, TX
 KNVA 54 Austin, TX
 KXII-DT 20 Sherman, TX
 0855 KTVT-DT 19 Dallas, TX
 0900 KXVV 25 Waco, TX
 0945 WOWT-DT 22 Omaha, NE
 1100 62 Austin (Bertram) TX
 (Univision--Call letters unknown)
February 16
 2100 KTTC-DT 36 Rochester, MN
 KCCI-DT 31 WHO-DT 19 KDSM-DT 16
 Des Moines, IA
 2130 K30AC 30 Marshall, MN
 2310 KTSC 45 Minneapolis, MN
February 17
 0000 K40CO 40 Storm Lake, IA (KMEG-14)
 0620 WXOW-19 WXOW-DT* 14 LaCrosse, WI
 KCCI 8 Des Moines, IA
 WYOW 34 Eagle River, WI
 KFXA 28 Cedar Rapids, IA
 KFXB 40 Dubuque, IA
 WLAX 25 LaCrosse, WI
 0800 WHRM 20 Wausau, WI
 UNID 48 (PAX)
 UNID 58 (TBN)
 KOLN 10 Lincoln, NE
 0855 KDLT 46 Sioux Falls, SD
 0915 KSMQ 15 Austin, MN
 WCCO-DT 32 St. Paul, MN
 KAAL-DT 33 Mason City, IA
 1005 WFTC-DT 21 St. Paul, MN
March 13
 0610 KXII-DT 20 Sherman, TX
 0615 KOTV 6 Tulsa, OK
 0620 KJRH-DT 56 Tulsa, OK
 0650 KELO-DT 32 Sioux Falls, SD
 0655 KDLT 46 Sioux Falls, SD
 0700 KSFY-DT 29 Sioux Falls, SD
 2200 KXFB 40 Dubuque, IA
 WHPN 57 Janesville, WI
 KPXA-DT 47 Cedar Rapids, IA
 WDJT 58 Milwaukee, WI

2210 KPXA 48 Cedar Rapids, IA
 WHA 21 Madison, WI
 2215 UNID 63 (Spanish)
 2225 WISN-DT 34 Milwaukee, WI
 2250 WICS 20 Springfield, IL
 2310 KWOC-DT 56 Davenport, IA
 2315 32,60,66 Chicago, IL
 2335 WPWR-DT 51 Chicago, IL
 2340 WEEK 25 Peoria, IL

March 14
 0000 KLJB- 18 Davenport, IL
 WTVP 47 Peoria, IL
 0020 WXOW 19 LaCrosse, WI
 0030 WHLA 31 LaCrosse, WI
 0830 WICS 20 Springfield, IL

April 17
 2200 14,25,34,52,62 Oklahoma City, OK
 KSBI-DT 51 Oklahoma City, OK

April 18
 0100 KELO-DT 32 Sioux City, IA
 KSMN 20 Worthington, MN
 KDLT 46 Sioux Falls, SD

April 27
 1330 KTWU-DT 23 Topeka, KS
 (testing for 30 minutes)

April 28
 2200 KYW 3 Philadelphia, PA

May 1
 2000 KMOS-DT 15 Sedalia, MO

May 6
 0630 KTVO-DT 33 Kirksville, MO
 0700 KTAJ-DT 21 St. Joseph, MO
 (about 70 mi, but first time seen)

0800 WTJR- 16 Quincy, IL

May 8
 0500 WICS 20 Springfield, IL
 KTIN 21 Ft. Dodge, IA
 0625 KPWB 23 Ames, IA
 1930 Es KYW 3 Philadelphia, PA
 2150 Tr UNID-DT 39

May 9
 0640 WICS 20 Springfield, IL

0725 WXFT 60 IL Aurora, SS 433
 0727 WNDU 16 IN South Bend, nx 505
 0729 WGVU 35 MI Grand Rapids, ID 531
 0732 WOTV 41 MI Battle Creek,ABC 548
 0732 WTLJ 54 MI Muskegon 530
 0734 WHPN 57 WI Janesville 362
 0740 WCGV 24 WI Milwaukee,UPN24 434
 0747 WNIT 34 IN South Bend 506
 0748 WWTO 35 IL La Salle 364
 0751 WYIN 56 IN Gary 444
 62/66 IL Chicago 424
 18/24 IA Quad Cities 289
 0753 46 IN South Bend 508
 0757 WHME 25 IL Peoria, wx 335
 0805 WEEK 55 IL Springfield,Fox 352
 0811 WRSP 50 IN Gary 433
 0814 WPWR 20 IL Springfield ,NBC 352
 0831 WICS-
March 28 GW
 1801 KKAZ-CA 24 NE Omaha, ex-18 12
 1810 KYNE-DT 17 NE Omaha (KYNE-DT) 12

April 10 Es
 2031 WFMY 2 NC Greensboro 941
 2057 WSB 2 GA Atlanta, promo 811
 2100 WETP 2 TN Sneedville, ID 760

April 17 tr
 2159 KRSC 35 OK Claremore 325
 2200 KWHB 47 OK Tulsa 351
 2215 KDOR 17 OK Bartlesville 317

April 18 tr
 0640 KSNF 16 MO Joplin, news 287
 0648 10/21/27 MO Springfield 312

April 21 Es
 2057 WUND 2 NC Columbia,UNC-TV 1116
 2105 WFMY 2 NC Greensboro, logo 941
 2118 WCBdt 2 SC Charleston, NBC

April 23 GW
 1854 KMTV-DT 45 NE Omaha 16

April 28 Es
 2158 WUND 2 NC Columbia,UNC-TV 1116
 2201 WMAR MD Baltimore, logo 1023
 2206 WFMY 2 NC Greensboro, nx 941
 2224 WUNC 4 NC Chapel Hill 991

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

Equipment: Winegard PR-9032 UHF antenna at
 35', Winegard AP-4700 UHF pre-amp., Winegard
 PR-5030 VHF antenna at 32', Channel Master
 remote controlled rotor, MFC traps for channels 3,
 6, 7 and 26, Hauppauge WinTV-D PCI card for
 HDTV.

March 13 tr
 2210 KTBO 14 OK Oklahoma City 391
 2220 KDOR 17 OK Bartlesville 317
 2220 KWHB 47 OK Tulsa 351
 2230 KWCH 12 KS Hutchinson 231
 2230 KWCV 33 KS Wichita 244

March 14 tr
 0650 KDOR 17 OK Bartlesville 317
 0655 KODE 12 MO Joplin, KUON off 288
 0657 KEYC 12 MN Mankato 211
 0735 KRSC 35 OK Claremore 325

March 15 tr
 0440 WKOW 27 WI Madison 358
 0445 WDJT 58 WI Milwaukee, CBS 432
 0522 26/44 IL Chicago 433
 0725 KDNL 30 MO St. Louis 344
 0727 WPXE 55 WI Kenosha 426

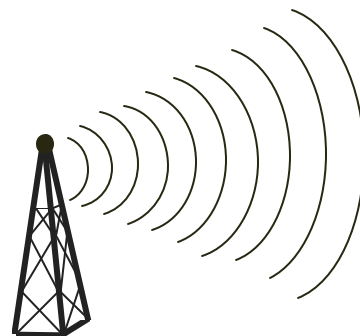
Three nice days of tropes in March, with the 15th
 being especially good, with Michigan logged for the
 first time since August, 2001. The only new
 loggings I have this report are 3 new locals. The
 KPTM xltr move from 18 to 4 is a fair trade to get
 channel 18 open for DX, and so far the DT on 17 is
 running just a few hours nightly. KMTV-DT-45 is on
 the air from 11am to 11:30pm daily. 73s Matt.

WTFDA IRC CHAT
 EVERY TUES AND FRIDAY NIGHT
 10:00 PM ET

The network...ICQnet
 The channel...#dx
 Server: irc.icq.com 6667

See You There!

Northern FM DX



Keith McGinnis
387 Shirley Street, Winthrop, MA 02152
longwave@attbi.com 617-846-5760

For Dxers in the following states **CT, IA, ID, IL, IN, MA, ME, MI, MN, MT, ND, NE, NH, NJ, NY, OH, OR, PA, RI, SD, VT, WA, WI, WY** Please submit by the 10th of each month. If possible please submit in the formats shown below.

Frank W. Merrill – Box 669 Macomb IL
61455 Equipment – McIntosh MR-78 and Tandberg 3001 A, used interchangeably. Andy Bolin “phase box” used during Tropo openings as needed. Tropo antenna is a Channel Master “Stereo Probe 9” mounted at 50 feet with a second similar antenna array used for phasing. Skip antenna is a CM Probe 9 mounted at 8 feet.

Underlined are new. All Times are CST. Mileage is noted at the end of each logging.

OLD 2001 not previously reported

June 27 2001 Es

1115 Unid 97.7 with slogan “K-92.5 Jams” while pointed toward TX
 1602 KBZZ 96.7 Morgan City LA “96.7 The Buzz.com” 743

July 12 2001 Es

0942 KLYT 88.3 Albuquerque NM
 “massiveradio” 949

August 23 2001 Es

1821 KSED 107.5 Sedona AZ “Colt Country 107.5” 1217

NEW 2002

March 14 Tr

0036 WSTH 106.1 Alexndr City AL
 “B101.3” in simulcast with Smith’s AL
 Class A rare

May 23 Tr

1900 WLWJ 88.1 Petersburg IL See Note #1
 52

June 8 Tr

0659 WBIO 94.7 Philpot KY
 “a KY bluegrass weekend”...Andy Bolin says probably this station 273
 0744 WIOK 107.5 Falmouth KY
 “Today’s hits, yesterday’s classics, 107.5 TriState x Gospel and 1440 Central KY’s Gospel (WZZQ dark)

0822 WNKR 106.5 Williamstown KY
 “Mix 106.5 No. KY’s most accurate forecast” 348

June 23 Tr

2105 KVOE 104.9 Emporia KS 327

June 25 Es

0855 WJIS 88.1 Bradenton FL
 1009 (MUF 93.7 at 0845)
 0900 WQCS 88.9 Fort Pierce FL 1075
 1158 KCME 88.7 Manitou Spr CO
 Legal ID 766
 1200 K202BP 88.3 Bellaire KS See Note #2
 420
 1207 KRVN 93.1 Lexington NE
 Formerly logged via Tr 477
 1214 KPAW 107.9 Fort Collins CO 757
 1215 KKAW 107.3 Albin WY
 “K99 Colorado’s Best Country” //
 KUAD 750
 1220 KUAD 99.1 Windsor CO
 Same as 107.3 Greeley ad 748
 1223 KCGY 95.1 Cheyenne WY 742
 1235 KQSK 97.5 Chadron NE 659
 1236 KOLZ 100.7 Cheyenne WY
 “100.7 Colt FM, Wyoming’s Favorite K”
 742
 1248 KLGT 92.9 Buffalo WY 861
 1324 KRKS 94.7 Boulder CO 772
 1413 KGVA 88.1 Ft Belknap MT
 Many KGVA mentions in PSA’s for the
 Indian Reservation 1060

June 27 Es

1200 KRVS 88.7 Lafayette LA
 Underwriting...into Legal ID into FF
 710

June 28 Es

1000 KSII 93.1 El Paso TX 1068

July 9 Es

1801 WFLC 97.3 Miami FL
 “The Coast 97.3” (MUF 99.1) 1160

July 14 Es

1112 WDGL 98.1 Baton Rouge LA
 “The Eagle 98.1” 696

1135 WCKW 92.3 La Place LA 716
1138 Unids Presumed other Baton Rouge that
couldn't be ID'd

July 15 Tr

2200 WEGZ 105.9 Washburn WI 431
WFNV? 107.1 New Rchmnd WI
Unsure of calls, but Legal ID not in MN
yet 336
2300 KKCB 105.1 Duluth MN
Easiest Duluth here by far 446
2309 WMFG 106.3 Hibbing MN
"Oldies radio WMFG" into Satellite
oldies format
2318 WEVE 97.9 Eveleth MN (with
KICK phased) "That's Aerosmith on 97.9
WEVE" Eveleth Ad 494

July 16 Tr

0051 KIYX 106.1 Sageville IA
"Classy" don't confuse with KLSS 160
0131 KKSD 104.3 Milbank SD Oldies, Call
letters 447
0149 KFNV 97.9 Fargo ND 539
0200 KFBN 88.7 Fargo ND
(WSIE phased) "This is Heaven 88.7
KFBN Fargo, x
Praise Dear God" and then into news
539
0300 KUOO 103.9 Spirit Lake IA Legal ID
307
0421 WMQT 107.7 Ishpeming MI
"Northern MI's music center, Q107,
WMTQ" 444

July 19 Es

2044XHAAA 93.1 Reynosa TA "Super
Esterllar" 1084

July 25 Tr

0323 KIZS 92.1 Broken Arrow OK
(WQKQ phased)
tulsahelpwanted.com, then quickly faded
inot KMFC 412
0400 KOTE 93.5 Eureka KS Legal ID, "Coyote
Radio" 352
0407 KSUN 98.1 Dearing KS 340
0500 KFNS 100.7 Troy MO
ESPN Radio...Legal ID & KFNS 590
103
0502 KLLKC 93.5Parsons KS (KKMI phased)
Signing on with full info 328
0504 KIND 102.9 Independnc KS
Independence ad "we are KIRD FM,
mix of your x favorite music—Mix 102.9"
351
0520 Unid 106.5 Spanish ..presumed Arkansas
City
0645 KVOO 98.5 Tulsa OK 415
2304 KKAC 104.3 Vandalia MO
Oldies..had been dark for years 89

July 26 Tr

0300 WISH 98.9 Galatia IL
(WHTS phased) "we're Radio WISH
98.9FM..etc

1001 KHNE 98.1 Hastings NE
Legal ID after statewide radio program
by Common Cause (what an excellent
idea—Frank) 405

1040 WQNA 88.3 Springfield IL
Legal ID ...only second time ever
heard 70

1047 KLIQ 94.5 Hastings NE
(KRXL phased) "The Breeze KLIQ" 405

1801 KOJY 106.9 Bloomfield IA
"Share the joy on K-Joy Radio-KOJY
106.9 x
Bloomfield IA-Solid Gospel all the time"94

July 28 Es

2008 WKTC 95.5 Pinetops NC 790

August 1 Tr

0400 WTCM 103.5 Traverse City MI
weak legal ID 394
0705 WOLG 95.9 Carlinville IL
(WLNK phased) Note # 3

August 2 Es

1935 XHEM 103.5 Ciudad JuarezCI 1069
1941 KZON 101.5 Phoenix AZ 1278
1953 KEDJ 106.3 Sun City AZ
Spanish, local mentions "100.3 y 106.3,,,"
(are x these call letter still correct?)1283
2005 KNKK 107.1 Needles CA
Legal Id included included 95.1 (Lake
Havusa City)
& 96.7 (Kingman) translators—"The
Knack"
2017 KBYE 105.7 Dolan Spgs AZ
"Steely Dan on The Oasis" 1360
2054 KVEG 97.5 Mesquite NV
"97.5 KVEG"....after Hot 97.5 promo 1335

August 2 Tr

2220 KBMX 107.7 Proctor MN Car expo at
Duluth Entertainment Ctr (editor's note
Hot AC KUSZ "the Point 107.7" changed
calls to KBMX 3/25/2002 and relaunched
as "Mix 108" 4/1/2002 per 100kw.tmi.net)
440
2230 WUGN 99.7 Midland MI 396

August 3 Tr

0013 KKEQ 107.1 Fosston MN 554
0030 WMFG 106.3 Hibbing MN 494
0114 KDAL 95.7 Duluth MN
(WRQT Phased) "The Twin Ports are
talking about
the new Magic 97.7" 446
0259 WSCD 92.9 Duluth MN (KATD phased)
"Your source...WSCD..public radio
station" faint 446
0317 KQCR 98.9 Parkersburg IA
(WHTS phased) Weather w/ local
sponsor..Legal ID
0400 KDNW 97.3 Duluth MN
religious parable then Legal ID for KDNW
and KDNI..part of the Northwestern
College Netwk

0439 WJMC 96.1 Rice Lake WI
(KMXG phased) very faint "96.1 WJMC"
353

August 6 Tr

2233 KKCB 105.1 Duluth MN 446

August 16 Tr

1950 WQLF 102.1 LenaIL "Q 102 Freeport and
Monroe" jingle and "102 WQLF" jingle
145
2000 K271AF 102.1 Eldrige IA Full KUNI-KRNI-
KUNY ID..used to be 102.7 90

August 29 Tr

0314 CJQM 104.3 Sault St Marie ON 526
0330 WZKC 94.9 Scottville MI (WAAG phased)
local ads 330
0359 W264AG 100.7 Bloomington IL Legal ID
for WBNH 88.5 and this 89
0629 CBLJ 88.3 Wawa ON CBC website and
Sudbury address given...into x regional
news from Sudbury...Quite Strong 597
0700 WMKC 102.9 St Ignace MI Legal ID for
this and 93.9480

No dice on CFNO – 93.1 marathon....tried hard

September 26 Tr

0430 WYCA 106.3 Sycamore IL "We are WYCA
106.3" Very Strong 145

October 6 Tr

0604 WAJK 99.3 LaSalle IL 102
0605 WBIP 99.3 Booneville MS
Simulcasting WBIP??? 415 (WAJK
phased on the above....See Note 4)
0644 WKHX 101.5 Marietta GA various local
mentions 561
0705 WMIT 106.9 Black Mtn NC 564
0718 WDRM 102.1 Decatur AL 452

2003

January 8 Gw

1757 WTND-Lp 106.3 Macomb IL Inaugural ID
2 See Note # 5

Notes

#1. 5/23 (1900 CST) Legal ID as "WLVJ
Springfield and WLWJ Petersburg—its 7:00"
I'm not sure why they need this...maybe this
meant to serve Mason City and Havana IL?
WLVJ is adequately local in Petersburg! Aren't
they also rather close spaced to co-channel
Decatur, not to mention WQNA 88.3
Springfield? I don't know where their "stick" is
but I have to suspect it is sited NW of
Petersburg due to this, and due to its strength
here.

#2. 6/25 (1200 CST) This is my closest-ever
logging that was certainly attributable to FM
skip. Legal TOH ID for KROA 95.7. I called
them to make sure they haven't been
expanding (like WJFM, KLVC, et al) and the
haven't. There are two 88.3's but the NE one
is near Fairburg (really too close!), so I'll count
this more sensible one.

#3. 8/1 (0705 CST) I certainly never expected
to hear this again. Yes, it is possible to miss a
former pest! This, and 3.5 mile distant WNLF
are in exactly the same direction. This
showcases the "Bolin phase box" at its best.
No WOLG ID heard but the Catholic
programming was distinctive. Call letter stand
for Our Lady of Guadalupe.

#4. 10/6 (0605 CST) Very strange sounding
announcement, almost surreal. It seemed to
"superimposed" on the frequency. Also, MS
forestry PSA heard at 0615. This was possible
only a Sunday morning, as WDUK is on at
0500 other days. Mississippi Class A's are
extremely rare (via Tr) here. This was a
winter-type opening due to lack of nearby
enhancement.

#5. 1/8 (1757 CST) This has cost me one the
best FM frequencies for Dx'ng, but it has also
given Macomb a truly entertaining and different
radio station. Known as the "the Voice" the
format (not strict) is a mix of local (which, so
far, is mostly an eclectic mix of all types of
music), public affairs, and programming from
the WOKIE Satellite Netwk. They are
noncommercial, as required for LPFM licenses,
and set up as a community radio station.
Some programming also comes from ACB
Radio Interactive, an internet radio service
programmed by the blind. Novelty, comedy,
music and spoken word can also be heard in
the WTND mix. This inaugural long form legal
ID and mission statement was the first audio
ever broadcast on WTND...a Willie Nelson
song then followed. "Tom and Darryl" are the
originators of this station. Some WTFDA
members met T&D years ago. By the look of
things, the existence of this station is causing
at least 3 people to move to Macomb. WTND
is also, now, the originating source for a small
portion of programming on WQNA 88.3
Springfield via the internet.

Overview of 2002

What a lame season! This is especially true
after I missed the mid-June skip openings,
which were the only good such openings all
year. However, the openings were mostly
quite strange ones, with the more common
destinations mostly absent from both Es and
Tr. Highlights were logging a goodly number of
Class A's over 300 miles. Other highlights
included making inroads into unlogged Duluth

area stuff and my first ever Macomb tropo "across Lake Superior." Even the highly inferior Es season had its highlights but you may note nothing from the NE and virtually no TX or FL (2 of the most common skip states here by far). Let's hope 2003 cooks as I certainly miss those "all day barnburner" skip openings.

As I've mentioned before I strongly encourage any serious FM dxer to erect an FM antenna as low-to-the-ground as possible without someone walking into it. Compared to a "high" antenna this will greatly attenuate your semi locals. This will allow much easier Es reception. I would estimate this low antenna is responsible for at least 400 additional skip loggings here.

Michael Hawk - Omaha, NE

Equipment: Technics ST-9030; Onkyo T-4711; Conrad RDS unit; 6 element RS antenna on balcony (about 18' AGL)

5/18 Tr

0000	KJIL	99.1	Copeland	KS	ID	340
0010	KZRD	93.9	Dodge City	KS		
	The Buzzard	320				
0130	KSLS	101.5	Liberal	KS		
	"101.5 The Twister"					393
0135	KSCB	107.5	Liberal	KS		
0600	KDGS	93.9	Andover	KS		
	Casey's Top 40	254				
1800	KMUW	89.1	Wichita	KS	ID	257
2055	KOSU	91.7	Stillwater	OK		359
2115	KMEO	96.7	Flower Mnd	TX		
	Memories	96.7	mention of 'Vocal Majority Chorus' playing at the UNT Coliseum; new!			571
2255	KATT	100.5	Okla City	OK		408
2320	KOMA	92.5	Okla City	OK	oldies	408
2328	KLVV	88.7	Ponca City	OK	ID	318
2355	KYIS	98.9	Okla City	OK		
	lcl ads; new					408
2359	KOKF	90.9	Edmond	OK	hard rock, ID, slogan of "Nighttime 91"; new	393

5/19 Tr

0010	KHBZ	94.7	Okla City	OK	The Buzz	408
0020	KFKF	94.1	Kansas City	KS	C&W, ID, local	100 kw'er off air; new 163

The evening part of the 5/18 opening was very odd. Very early (7:30 PM) Oklahoma City on Channel 25 started appearing with widely varying signals. There was very little else noted on TV or FM other than a few Wichita stations. Around 8:45 I started tracking a soft AC station on 96.7, which later turned out to be KMEO in Texas! It was also pretty weak with lots of fades (until about 2300 when it picked up in strength). I kept a close eye on all Dallas 100 KW frequencies as the evening went on

and didn't hear anything else from that area. The opening never really turned into a "super tropo" event, but was still a lot of fun. Totals now stand at 1581 on FM, and rapidly approaching 100 from both KS and TX.

Keith McGinnis – 387 Shirley St. Winthrop MA

Equipment: Modified Yamaha T-85 Tuner and an APS 9 antenna mounted at 15 feet AGL. Also a Conrad RDS Manager.

April 20 Tr

2026	WNCK	89.5	Nantucket	MA	ID	90
2320	WNAN	91.3	Nantucket	MA		90

Mike Bugaj – 69 Sherman Rd., Enfield, CT 06082

Equipment: Sony ST-5130 and APS-9 @ 30ft agl. New Underlined.

April 20 Tr

0944 WCDB 90.9 Albany, NY gospel hits, rare
0958 WQKX 94.1 Sunbury, PA 94KX

April 21 Tr

1255 WFAS 103.9 White Plains, NY
1300 WFAF 106.3 Mt. Kisco, NY //WFAS, both rare
1427 various Norfolk FMs including WYFI 99.7, and WNVZ 104.5
1625 WSPQ 107.1 Briarcliff Manor, NY //WSPK 104.7

April 26

2300 WBBS 104.7 Syracuse, NY country

April 29

0740 WVLT 92.1 Vineland, NJ Cruisin 92.1
0740 WQJH 95.3 Laurel, DE IDs as B95.3 (WZEB)
0805 WZBH 93.5 Georgetown, DE 93.5 the Beach
0840 WAFL 97.7 Milford, DE
0843 WDSB 92.9 Smyrna, DE Mazda adv.

May 8 Es

1311 KKTZ 93.5 Lakeview, AR Tornado watch
1318 KKOZ 92.1 Ava, MO www.kkoz
1326 WQUE 93.3 New Orleans, v. strong Q93, rap
1329 WBSN 89.1 New Orleans, Lifesong

May 12 Tr

2230 CIMF 94.8 Hull, Quebec, French

May 16 Tr

1802 Unid 95.1 o/Vermont French woman speaking, possibly Montreal ?



John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
sfm@fmdxweb.com
Deadline: 15th

For DXers in AL, AZ, AR, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, MO, NV,
NM, NC, OK, SC, TN, TX, UT, VA, WV, Cuba & Mexico

June 2003

Doug Smith – W9WI - 1385 Old Clarksville Pike

Pleasant View, TN 37146-8098 w9wi@w9wi.com - www.w9wi.com - CDT

4/30 Es

1250 XHSRO 92.5 NL Monterrey, "Best FM" 1068

1258 unID 100.5 ?? ??, "Radio 100," SS

5/19 Es

(Car radio DX in Land Between the Lakes, along TN/KY state line south of Paducah. Most of these would have been new is logged from home.)

C6 = Bahamas, CM = Cuba

0942 WDDV 92.1 FL Venice, call IDs
WGMX 94.3 FL Marathon, ad for Keys hospital at mile marker 48.7
WARO 94.5 FL Naples, Fort Myers contest winner
C6?? 94.9 C6 Nassau, "More 94 FM," Lysol ad mentions, "Choice for Bahamanians, light Caribbean accent
WRXK 96.1 FL Bonita Springs, Fort Myers Beach ad, "K-Rock"
CM?? 96.7 CM ??, Cuban music, SS announcer, interview with musician mentions "todo de Cuba"
1000 WAIL 99.5 FL Key West, loud, clear, and S-L-O-W legal ID....a DXers dream
1032 XHMZI 91.1 CI Monclova, Coahuila ads
1037 C6?? 96.1 C6 Nassau, "Cool 96," rap music, Caribbean-accent announcer
XH?? 92.3 ?? ??, "Radio Caliente, con mas grupera"
(now back home)
1141 KULL 92.5 TX Abilene, ad with many mentions of "K-Tab, Coverage You Can Count On," (KTAB-TV channel 32), o, "Cool 92" IDs
1144 KLXKt 93.5 TX Breckenridge, k, "K-Lakes"
1207 KZOR 94.1 NM Hobbs, "Z-94 KZOR," CHR 948
unID 105.3 ?? ??, calls sounded like "KLJT"
1217 KCTX 96.1 TX Childress, Wellington Livestock Commission ad, prev logged as KSRW 750

John Vervoort – 1318 Diuguid Drive – Murray, KY 42071-1671

Grundig Yacht Boy 400PE, Optimus Extended Range/Radio Shack amplifier connected to rabbit ears

5/1 Tr

1934 WZYP 104.3 AL Athens
1952 WGFX 104.5 TN Gallatin
2014 WZPC 102.9 TN Shelbyville, "The Buzz"
2034 WRQQ 97.1 TN Goodlettsville
2055 WBKR 92.5 KY Owensboro
2100 WWTN 99.7 TN Manchester

William McGuire – 2412 59th Pl. – Cheverly, MD 20785-2918

4/19 Tr

2100 WKWI 101.7 VA Kilmamock, "Bay 101.7 FM," ID
2115 WZXL 100.7 NJ Wildwood, "South Jersey's Rock Station, ZXL"

4/28 Tr

2025 WQHQ 104.7 MD Ocean City, local ads, mention of Salisbury, Delilah
2037 WARX 106.9 MD Hagerstown, local ad, "Oldies 106.9"
2046 WXCX 103.7 MD Havre de Grace, k, ID

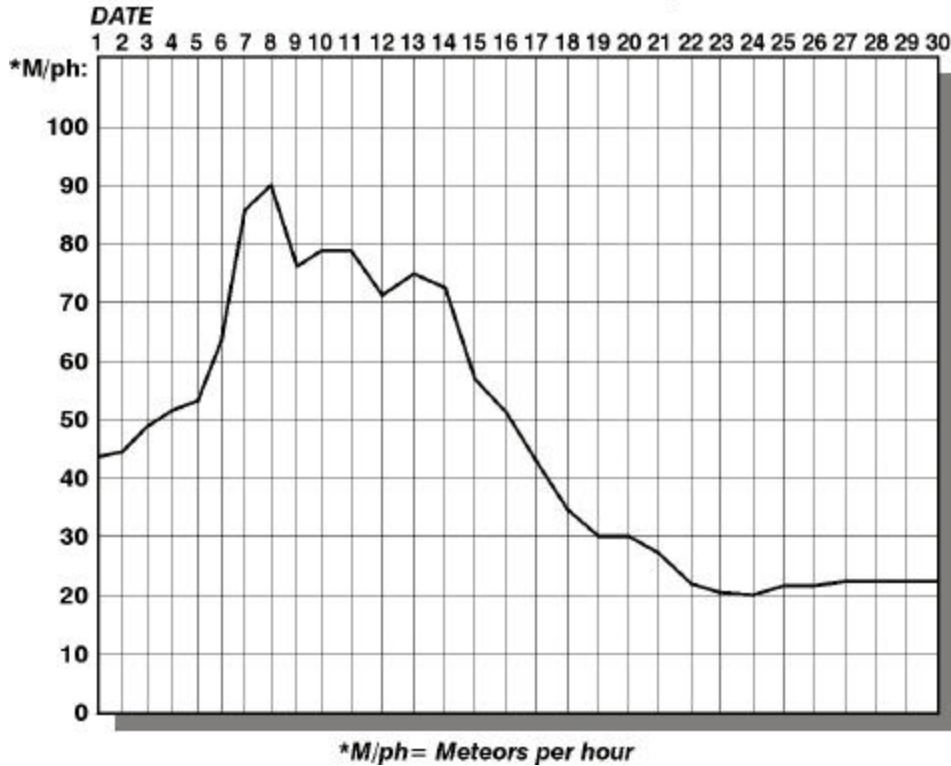
4/29 Tr

2005 WAYZ 104.7 MD Hagerstown, k, ID
2050 WCEM 106.3 MD Cambridge, car ad, "The Heat"

METEOR SCATTER GUIDE

JIM THOMAS

June 2003 Meteor Scatter Projections



June should be an interesting month for meteor dxing. Get ready for the DAYTIME big daddy of the year. The Arietids, which runs from May 22nd through July 2nd, cranks out some awesome meteor scatter power on June 7th and 8th. It will easily peak with 60 meteors per hour, by far, the daytime 'monster' of the year.

And did you see when June 7th and 8th are? Saturday and Sunday. What also adds to the excitement is the fact that the number two daytime meteor shower rides right on the heels of the Arietids. The Zeta Perseids, running from

May 20th through July 5th, peaks on June 13th and 14th with an impressive 40 meteors per hour. So when you add it up, from right around June 5th, all the way up to the 15th, daytime meteor showers will be number one. If you throw some good tropo conditions in there, with maybe some surprise E-skip, and who knows.....it might be a fun June!

Here is the complete chart for June:

Moderate Activity
Radiant, Duration, Maximum

June Lyrids June 10-21 Jun. 15/16

Minor Activity
Radiant, Duration, Maximum

June Aquilids June 2-July 2 Jun. 16/17
June Boötids June 27-July 5 Jun. 28/29
Corvids June 25-July 3 Jun. 27/28
Tau Herculis May 19-June 19 Jun. 9/10
Ophiuchids May 19-July 2 Jun. 20/21
Theta Ophiuchids May 21-June 16 Jun. 10/11
Sagittariids June 10-16 Jun. 10/11
Phi Sagittariids June 1-July 15 Jun. 18/19
Chi Scorpiids May 6-July 2 May 28-Jun. 5
Omega Scorpiids May 19-July 11 Jun. 3-6
June Scutids June 2-July 29 Jun. 27/28

Daylight Activity
Radiant, Duration, Maximum

Arietids May 22-July 2 Jun. 7/8
(THIS IS THE BIG DAYTIMER!! - Averages 60 per hour on peak dates.)
Zeta Perseids May 20-July 5 Jun. 13/14
(2nd BIGGEST OF THE YEAR! Averages 40 per hour on peak dates.)
Beta Taurids June 5-July 18 Jun. 29/30

Unbelievable Skip!

WHAT WAS IT? WHO KNOWS, BUT IT'S
FUN TRYING TO FIND OUT

J Conway Dabney(MS) wrote on May 15th: *You might want to get a map to check out this event. At 0925 I checked for e-skip. My antenna was pointing just south of west, approximately 260 degrees, where I had received Mexico up into the mid fm range on the previous day. I started flipping channels and got classic e-skip on channel 3. I mean classic, with variations from perfect to minimal reception within seconds. At 0930 the station was identified as WLBT, Jackson, MS which is approx. 170 miles to the south of my location in Oxford. During good tropo WLBT will override my local channel 3 in Memphis, but not that morning. When I aligned my antenna with the WLBT transmitter, Memphis was received. When I returned my antenna to west, I got classic e-skip from WLBT. The other VHF from Jackson, channel 12 was not received at all.*

Bob Cooper replied: This is already shaping up to be a most unusual year (more Tornados reported in USA during first 14 days of May than any COMPLETE month of May on record) and perhaps by coincidence (although I doubt it) an unusual amount of early-season Es including some pretty short stuff which of course indicates abnormally high density in the E layer. On that subject, if you have been of the habit of checking only channels 2-6 for Es, I strongly urge you to continue through high band as a matter of NEW habit this year!

Conway's description of "fading from perfect to minimal in seconds" does NOT suggest lightening scatter to me; any I have noted is more like MS reception with significant periods of NO SIGNAL in between "perfect" and "perfect."

On a hunch I checked the amateur 50 MHz (6 meter) "reflector" reports for the same date and period of time. I note that around one hour earlier a station to his north was reporting "Very strong signals for a few minutes, then nothing" from another who was around 200 miles away. There is nothing that exactly fits his time frame (nothing at 9:25AM on the 14th of May) but then I would expect hams who might have observed this happening at 50 MHz to pretty much ignore the effect given that 200 mile is hardly an

earth shattering "routine distance" for any reasonably well equipped six meter station.

Mike Hawk responded:

My take on this reception is that it is either not ionospheric in nature, or less likely, backscatter.

The ionization density would have to be extreme for this to be direct reflection from the E region, given that Conway was pointing in a different direction from the station. This would indicate that the ionization was so strong that signals could be reflected back, which would have indicated blanket Es up to 80 MHz, and likely widespread reports of 144 and 220+ MHz Es in the southern part of the US. Openings of this magnitude are long lasting and widespread.

The other important thing to keep in mind is that windshear theorized to cause Es at 100 km altitude is completely separate and generated by different events than "turbulence" and shear that occurs in the troposphere (0-18 km).

I really don't have a solid theory, but I'd lean towards a tropospheric reception for several reasons:

- 1) The ionospheric possibility seems far fetched given the relative lack of other reports and distances involved
- 2) There are many unknown variables here:
 - How pure is the pattern of Conway's antenna?
 - Was the bearing coincident with a null of that semi-local?
 - Did the received station's altitude vary from other stations nearby the reception area? - etc
- 3) The fact that there were storms and showers in the area. This could add another dynamic of breaking up enhancement or ducting formation.

One thing is for sure - it's fun to theorize about this.



WTFDA Convention 2003

**Western New York
July 10-13, 2003
(Batavia-Buffalo-Rochester-Toronto!)**

It's time to register! WTFDA 2003 is just over a month away – and it's all over beautiful Western New York.

Make your hotel reservations by June 10! Our home for WTFDA 2003 will be the Days Inn of Batavia, N.Y., right alongside exit 48 of the New York State Thruway (I-90), 40 minutes from downtown Rochester and 40 minutes from downtown Buffalo.

They're holding 30 rooms for us at a rate of **\$72/night** (plus 11% tax) per room, with a maximum of four people per room. **You must make your reservation no later than June 10 to get this rate – so book now! Call the Days Inn directly at (585)343-6000 and tell them you're with WTFDA.**

And then make sure you're registered! Just \$25 gets you registered for everything the convention has to offer – your informational packet, a picnic dinner at Jim Renfrew's house on Friday night, snacks and drinks in the hospitality room all weekend long, and **our banquet dinner on Saturday!** Make your checks payable to **Dave Janowiak** and send them right away to **Scott Fybush, 92 Bonnie Brae Ave, Rochester NY 14618**. Or use your **PayPal** account and credit card – just use our PayPal webpage at <http://fmdx.usclargo.com/join.html> and please *tell us that you are registering for the convention* when you do.

Why Western New York? We may be known for our winters – but wait till you see our summers! **Batavia** is less than an hour from Niagara Falls, home to not only the famous waterfalls but also two major casinos. You're just 15 minutes away from Six Flags Darien Lake, the biggest amusement park in the region. **Rochester's** Corn Hill Arts Festival will be in progress July 12 and 13, offering hundreds of booths full of quality crafts, fine art and great food. **Buffalo** boasts famous wings, excellent museums, and of course the newly-revived KB Radio 1520.

Your planning committee, which includes **Scott Fybush, Jim Renfrew, Jerry Bond, Greg Coniglio, Rick Lucas** and **Guy Falsetti**, has plenty of fun in store for you:

- On **Thursday, July 10**, we're making tentative plans for early arrivals to take a day trip across the border to **Toronto, Ontario**, where the mighty CN Tower puts out some of the region's strongest signals. If you expect to be arriving in time for this trip, or need more information, please contact **Scott Fybush** right away! Later in the evening, we'll have dinner in Batavia for others who have arrived early.
- On **Friday, July 11**, we head to **Buffalo** to see the mighty KB Radio and much more! In the evening, **Jim Renfrew** will open his home just minutes from our host hotel – and the many acres of farmland behind his house – for plenty of DXing. (We're working on arranging a big skip opening; stay tuned!)
- On **Saturday, July 12**, we **will** offer a tuner clinic with **Tim McVey** in the morning. In the afternoon, we'll head to **Rochester**, where we'll see several newly-renovated broadcast facilities before returning to Batavia for our banquet and annual meeting at the hotel. (Wait till you see the size of our meeting room!)
- On **Sunday, July 13**, the meeting room will be open in the morning and early afternoon as WTFDA'ers prepare to head out on the road.

How do you get to Batavia? Western New York offers plenty of transportation options:

- **By air:** The Buffalo-Niagara International Airport, just 35 minutes from our host hotel, has service from all major airlines as well as **Southwest, AirTran** and **Jet Blue**. The Greater Rochester International Airport, about 40 minutes to the east, has major airline service as well as **Jet Blue**. Members of your host committee can arrange transportation from either airport to the hotel – just be sure to let us know in advance!
- **By train:** Amtrak provides service from Chicago, New York, Boston and points beyond to its stations in Buffalo and Rochester; we can get you the rest of the way as long as you let us know ahead of time.
- **By bus:** Greyhound offers service directly to Batavia, just minutes from the hotel. From there, it's an inexpensive taxi ride – or we can pick you up.
- **By car:** The Days Inn is just seconds from exit 48 of the New York Thruway. Batavia is about seven hours' drive from Boston, New York City or Washington; just four hours or so to Cleveland.

Contact the host committee in care of **Scott Fybush** by e-mail at wtfda2003@fybush.com, snail-mail at 92 Bonnie Brae Ave, Rochester NY 14618, or by phone at 585-442-5411 (10 AM – 10 PM Eastern, no collect calls please!)

We can't wait to see you for a great WTFDA convention here in Western New York!

**YOU MUST REGISTER BEFORE JUNE 10TH
TO RECEIVE THE LOW \$72 ROOM RATE!
REGISTRATION \$25...SEE TEXT FOR INFO**

Why Does Double Hop Not Occur as Often on Low Band VHF TV as on 50mhz??

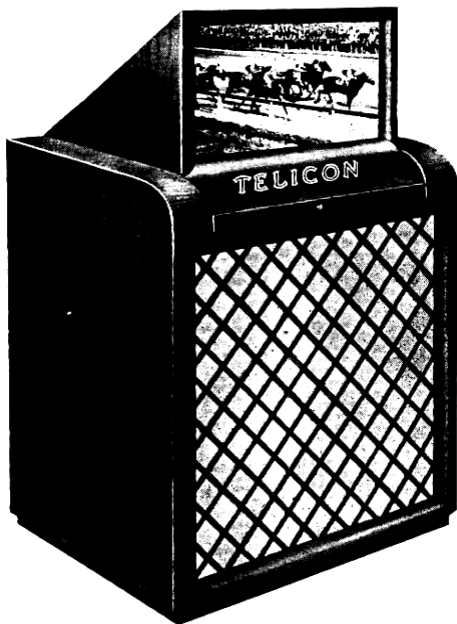
First, in the 50MHz ham band, there is MUCH less interference. A given station only requires 3KHz of bandwidth or less, out of the 150KHz of spectrum commonly used for long-distance work. The chances of two or more stations using the same frequency at the same time are relatively small. On 50MHz, if a double-hop opening is in progress between Nashville and Seattle, the first hop will land somewhere in the vicinity of Denver. There won't be 50 stations active in Denver to occupy all 150KHz of bandwidth - I *will* find an open frequency where the weaker Seattle signals will get through.

On channel 4, if a double-hop opening is in progress between Montreal and Caracas, the first hop will land somewhere in the vicinity of Miami. There is a channel 4 station in Miami - and several in Cuba - all of which occupy the entire 6MHz bandwidth of channel 4. All of them will interfere with the Caracas signal. The double-hop might be there, but seeing - or at least identifying - it may be impossible due to interference.

Second, and more important, there's a 17MHz gap between the 50MHz ham band and TV channel 4. This gap makes a HUGE difference when dealing with exotic phenomena like multi-hop Es.

Again, I've worked many double-hop QSOs on 50MHz. I've *never* seen a double-hop signal on FM or TV. –Doug Smith

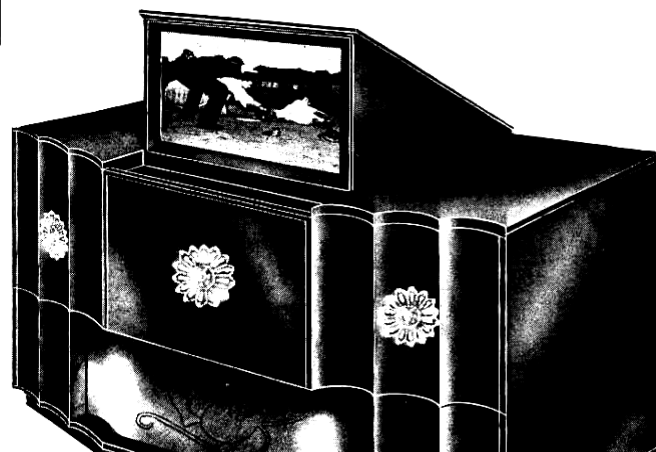
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May 24, 2002

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901-543-2333

John F. Vervoort
217-79 Street
Brooklyn, NY 11209-3607

Dear John F. Vervoort:
I am pleased to confirm the reception of WREG-TV, Memphis May 17, 2002 at 8:57 pm, EST. Our program logs confirm that a Dobbs Auto and First Defense Doppler 3 Radar aired at that time.

Good luck with your hobby and thank you for writing.

Best regards,

James R. Anhalt

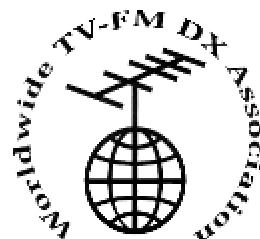
James R. Anhalt
Director of Engineering
WREG-TV

NYT The New York Times Company
Broadcast Group

YESTERDAY AND TODAY!

On top, a whopping three square feet of picture brilliance from Telcon Corp. This is from the May-June 1947 Televisor (courtesy of Bob Cooper).

On your left an actual verification of reception received from John Vervoort in May, 2002 when John lived in Brooklyn. This is from WREG-3 in Memphis.



SIGN UP/Renewal form

Name _____

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

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Yearly dues \$24 to US addresses, \$26 to Canada and Mexico
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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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