



# The Worldwide TV-FM DX Association

*Serving the VHF-UHF Enthusiast*

## VHF-UHF DIGEST E-ZINE VERSION

**JULY 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!

### CONTENTS

Page Two	2
Mailbox	3
TV News...Doug Smith	5
The First Digital TV E-Skip Reception	11
Cuba TV Logos	13
CKBW 2 Heard in the UK via Es!	14
Photo News...Jeff Kruszka	17
Eastern TV DX...Matt Sittel	21
Southern FM DX...John Zondlo	26
Western TV DX...Victor Frank	30
Northern FM DX...Keith McGinnis	39
Satellite News...George Jensen	55
Amplifiers for FM DXing?	56
Es Going Long	58
Editors and Submissions	59

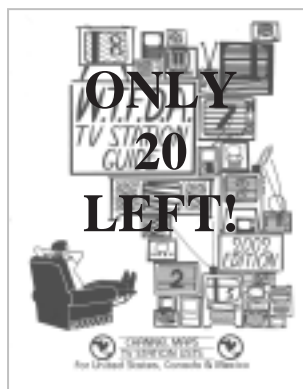
\*\*\*\*\*

### THIS IS THE BIG ONE!

You're going to have to go all the way back to October 2001 to find a VUD this large! The Oct 2001 VUD was my second as publisher following a 56 page September issue. Talk about initiation by fire.

So what does this tell you? It tells me that we are experiencing one heck of a good year for E-Skip finally!

There are some amazing things going on in the TV/FM DX world. I hope you enjoy reading about them in this VUD. Enjoy it!



**ONLY  
20  
LEFT!**

### 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. Get your WTFDA TV Station Guide now before it goes out of print.

### WTFDA CONVENTION 2003! LAST CHANCE!



JULY, 11, 12, 13 IN BATAVIA, NY

Our hotel will be the Days Inn of Batavia. Check them for rates and room availability. 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

---

## JULY 2003

One thing is certain. This is NOT 2002-- not by a long shot. Remember last June? Many of us had two day-long skip openings and then it was over.

Where do we start this month? We could start with Gerard Westerberg and his ID of KOTA-DT (2). We could start with four pages of photos of Jeff Kruszka's 800+ mile DTV photos. We could lead off with UK DXer John Faulkner's two hour long reception of audio from CKBW-2 in NB via multi-hop Es. Or we could go with Ralph Strobel's 1900 mile, two-hop reception in Indiana of FM from Western Oregon. What a month, and it's all here!

## MEMBERS AND MORE

This is one of the busiest months of the year for mail here, so let's get started. For new members this month we have **Dave Williams** from Redmond, OR, **Rich Cabral** from Dartmouth, MA, **Roderick Thompson** in Sacramento, CA and **Octavio Couso Esposito** living in Havana, Cuba. We'll have more about these fine folks later.

Once again we have a huge stack of renewals and here they are, in no particular order:

Jeff Kruszka, Baton Rouge, LA  
Stan Weisbeck, Spokane, WA  
Michael Temme-Soifer, Mays Landing NJ  
Joseph Esser, Summit, NJ  
Jeff Lockwood, Tallahassee, FL  
Gary Siegel, Toledo, OH  
Peter George, Whitman, MA  
Kermit D. Reid, Cumming, GA  
Jerry Rappel, Davenport, IA  
Joe Gragg, Palestine, TX  
Richard Lucas, Rochester, NY  
Mike Femyer, Phoenix, AZ  
James Paige, Sterling Heights, MI  
Fred Laun, Temple Hills, MD  
Rod O'Connor, SW Harbor, ME  
Ron Wing, Wichita, KS  
Rod Jorgenson, Madison, WI  
John Griffiths, Burlington, ON  
Duane Donovan, Beaufort, SC  
James Montgomery, Poseyville, IN  
Greg Coniglio, Cheektowaga, NY  
George Mileon, Lynn, MA  
Marvin Shults, Toulon, IL  
Chris Carter, Brookhaven, MS

Roy Barstow, Teaticket, MA

What a motley crew we have here. Thank you everybody for staying another year.

Here's a little intro from **David Williams**: "My name is Dave Williams, and I currently live in the high desert of Central Oregon. This means that I finally have access again to clutter-free airwaves (only channel 3 on low-band VHF is occupied, and I've got very little clutter on the low FM dial too - just 94.1, 95.9, and 96.5 between 91.9-96.9!) Matt Sittel has been tossing reception reports onto the list for me, but now it's time to join!" Welcome Dave! Lenny and Randy will be glad to see another WTFDA member from the great state of Oregon.

**Rod Thompson** (and Dave W., if I remember right) both were WTFDA members at one time and found us again. Rod fires up his computer on Tuesday and Friday nights and joins us for IRC chat.

**Rich Cabral** is "in the biz" here in New England and currently he's Assistant Program Director and Promotions Director at WORC-FM (98.9) in Worcester, MA. Rick's known as a radio geek, which is great because he fits in with the rest of us here just fine.

**Octavio Couso Esposito** lives in Havana and works in the telcomm industry. Octavio's love is TV DXing and he found out about us while surfing through the internet. We're glad to have you here!

**Bill Grant** in Worcester, MA wrote this: "Yes, I'm still "alive and kicking" as you put it. I still feel like a young kid even though I'm beginning to look my age. After looking through some of the old VUDs and listening to several of my FM DX tapes, I started to listen more seriously to the FM band last summer. I began a log of the stations I was hearing. I've had little success timing the Es openings up to now. The small beam antenna in the attic can be moved easily, so I can direct it in a favorable direction. However, it's far from a large Channel Master/Winegard mounted on a rotor. The Icom 7100 is a very good all around VHF/UHF receiver and does a fair to good job on the FM band. I also have a Channel Master suburban/fringe type antenna in the attic which is in a fixed position pointing south. It is connected to a Carver receiver (the "Receiver" as it is called). The FM tuner section is based on the TX-11 though I doubt, based on listening,

## MADISON GET-TOGETHER TIME!

The 10th Annual Madison Get-together for DXers and Radio Enthusiasts will be held on Saturday, August 16, 2003. This year's hosts are Bill and Nina Dvorak, and the event will take place at their home, 501 Algoma Street Madison WI 53704-4812. Activities will begin at 1 PM and end when the last person leaves (come when you can and leave when you must).

What can you expect at this event? Good fellowship and lots of DX talk in an informal atmosphere. Please feel free to bring any equipment, QSL's, station souvenirs, log books or anything else that you would like to show to or share with the group. We encourage everyone to participate in a group photo, so bring along your camera.

Snacks and soft drinks will be provided at this event. If you prefer another beverage, please feel free to bring your own, and we will keep it cold for you. Dinner is planned at the Esquire Club at approximately 5 PM, and we will regroup at Bill and Nina's afterward.

For more information, contact Bill Dvorak at << dxerak.aol.com >> or mail me at the above address. I can also be reached at 608-244-5497. When e-mailing, please include reference to the 10th Madison DX GTG in the subject line.

If you do plan to attend, please notify me beforehand for planning purposes. I can provide directions by e-mail, or if you prefer, I will send you a map that includes a handy list of accommodations.

A word about the GTG: The Madison area DXers have held this event in late August every year since 1994. We have brought together an average of 17 DXers per year, and over the years five states and the District of Columbia have been represented at the Madison GTG. Last year we had a record 26 DXers attend. This is an all-band event, and draws a diverse group of hobbyists. We hope that you can come, and look forward to seeing you!

Participation by WTFDA members has been strong in past years. Last year, eleven WTFDA'ers attended. Come and meet your fellow club members!

## AND BABY MAKES THREE, etc.

Congratulations go out to Matt Sittel and his wife Karen on the birth of their son Nathan Matthew Sittel born on June 6, 2003 at 1:18am CDT. Nathan weighed in at 7 lbs 6 oz. We hope Matt didn't have to interrupt an Es opening to run to the hospital.

Late word that Girard Westerberg saw KCBS-2 for 30 minutes on June 13<sup>th</sup>. This is 1880 mile double hop! An amazing June!

Keep on truckin' (and DXing) and we'll see you in August.

that it's as selective. No Es noted here this Spring.. Having been a meteorologist in the Air Force, I can tell you (as if you didn't know) that the overall weather pattern over the northeast has been lousy for tropo. Where is the Bermuda high and that nice southwest air flow?

I have a nearly complete set of VUDs for the years I was in the club. After I look them over for a last time, I'll be happy to pass them along to you and the club. The same for a European standards TV set with step-down transformer which someone can DX with a decade from now."

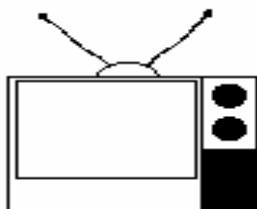
## WON'TCHA MARRY ME BILL PART II

This from **Saul Chernos**: "Bill Hepburn and Kerry-Ann Leckie were married Saturday. Poured rain until late morning, then became gloriously sunny all afternoon, then clouded over as dinner started indoors. That happens when two weather forecasters wed. Anyhow, to make a loooooong story short, ample references were made to Bill's DXing hobby (his first station, tropo, etc... and a specific mention of the Worldwide TV-FM DX Association) by the pastor, who obviously did his homework.

Anyhow, a beautiful event. Bill was attired in full Scottish regalia -- magnificent. Kerry Ann, BTW, is with the Weather Channel (or Weather Network, I forget the exact name at the moment)." Once again, congrats Bill!

## ONE HOP, TWO HOP

**Ralph Strobel** writes: "Tonight (Monday, June 9), I noticed Es to CO and SD on TV. 2 and 4 from Denver and 3 from Rapid City. I began tuning around the FM dial and heard a few relogs from CO. Then as I moved to 91.9, I heard something funny, but couldn't understand it. Later, I played the tape back and the DJ said, "Monday on KMUN 91-9 in Astoria. Here's Muddy Waters." I looked in my Atlas and could not believe what I saw! Astoria, OR is 1981 miles from here. I called Frank Merrill as I knew he had a book listing phone numbers of FM stations. He looked it up and I called. The male DJ was very nice. When I played the tape over the phone, he replied. "Yes, that was definitely KMUN!" I asked him if he had just played something by Muddy Waters and he said YES, he had!! I still can NOT believe it! This is my best FM logging EVER! My previous records have been 1656 miles to MX City, and 1529 to Tuscon, AZ. Now if I could only hear CA WA and NV. Is that asking too much?? It has taken me 31 years to hear this kind of reception. The signal faded right after the ID. I am still in total shock!! Afterward, I logged 88.3 KPRH Montrose, CO, c\$, for the first time. Now I have 762 from the Ed. Band." Nice work, Ralph! There's nothing like being in the right place at just the right time!



# TV NEWS

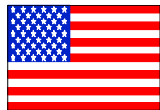
Doug Smith W9WI  
 1385 Old Clarksville Pike  
 Pleasant View, TN 37146-8098  
 w9wi@w9wi.com

## July 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:



#### Alabama:

Decatur 51 WYAM-LP QR from ch. 56, 72.2kw  
 Dothan 60 new-tv dismissed 2 apps  
 Selma 29 WBIH-DT NS 1000kw/408m  
 Tuscaloosa 5 WCFT-DT QG from ch. 34, 9.5kw/625m

#### Alaska:

Kenai 9 K09QH XR 60-31-56/151-05-00 dismissed ROA  
 Sitka 2 KTNL-DT NS 1kw/-212m

#### Arizona:

Camp Verde 49 K09MD QR from ch. 9, 80w  
 Camp Verde 55 K55IY #QC from K63BG, 160w  
 Flagstaff 14 K14KK #QC from K66BS  
 Flagstaff 20 K20HS NS 50kw, 35-11-25/111-38-01  
 Flagstaff 48 K48GI QG from K26DH  
 Flagstaff 54 K54GI #QC from K60BP, 1kw  
 Green Valley 46 KXGR #NW 1679kw/1095m, 32-24-54/110-42-56  
 L. Havasu City 31 K31GZ QG from K47FQ  
 Oro Valley 16 K60FC #QC from ch. 60  
 Parks 47 K47GQ #QC from K64AP  
 Sedona 10 K10OT NS 3kw, 34-51-13/111-47-11  
 Tucson 27 KUAS-TV #PC> 178m  
 Tucson 28 KUAS-DT #NW 50kw/178m  
 Tucson 48 K48GX #QC from K40AC, 9.9kw  
 Tucson 50 K50FV #QC from K23CD, 600w

#### Arkansas:

Arkadelphia 9 KETG PR<320m  
 Arkadelphia 13 KETG-DT PR>320m  
 Fayetteville 13 KAFT PR<501m  
 Fort Smith 33 K52FJ PR>23.2kw, 35-18-09/93-45-40  
 Fort Smith 48 K48FL PG>43kw,

Fort Smith 54 K18EU 35-28-49/94-50-56 PR<23.1kw, 35-04-05/94-40-59  
 Jonesboro 19 KTEJ PR<310m  
 Jonesboro 20 KTEJ-DT PR>310m  
 Little Rock 5 KETS-DT PR>548m, 34-26-31/92-13-03; already granted  
 Mtn. Home 7 K07XL PR>580w

California:  
 Avalon 54 KAZA-TV AF 2323kw/934m, 34-13-37/118-03-57 (aux)  
 Bakersfield 23 KERO-TV AF 324kw/1101m (aux)  
 Bakersfield 27 KBFX-LP QR from ch. 58, 10kw  
 Bakersfield 47 K47IA PR>77kw, 35-01-56/118-29-03  
 Bakersfield 53 K53IB PR>150kw, 35-01-56/118-29-03  
 Bakersfield 59 K30HE QR from ch. 30, 110kw, 35-01-56/118-29-03  
 Calipatria 54 KAJB #PC>507m, 33-03-19/114-49-39  
 Chico 28 KKPM-CA PG<135kw, 39-12-20/121-49-06  
 Coalinga 27 KGMC-LP #QC from ch. 48, 9.82kw  
 Corona 39 KVEA-DT #NW 54kw/912m, 34-12-48/118-03-41  
 Corona 52 KVEA #PC 2510kw/907m  
 Crescent City 9 K09VQ FC to KIXE-9 (PBS)  
 Fresno 16 KSEE-DT #NW 326kw/601m, 37-04-19/119-25-48  
 Fresno 22 KGMC-LP #QC from ch. 28  
 Hanford 14 KHMM-LP QR from ch. 16, 2kw, 37-04-10/119-24-40 dismissed for failure to prosecute but reinstated  
 Huntington Bch 50 KOCE-TV PR>2354kw/949m, 34-13-35/118-03-58  
 Indio 6 K06MB PR>3kw reinstated  
 Indio 25 K25GW #QC from ch. 53, 10.4kw, 33-51-56/116-25-58  
 Indio 33 KDFX-LP #QC from ch. 40, 9.6kw,

Lancaster 50 KTRO-LP PR>26kw,  
 33-51-58/116-26-02  
 34-32-50/118-12-43  
 dismissed ROA; PG 26kw,  
 34-32-50/118-12-57  
 Los Angeles 25 KNET-LP #QC from ch. 38, 570w  
 Los Angeles 34 KMEX-TV #PC>2291kw/956m  
 Los Angeles 35 KMEX-DT #NW 400kw/956m  
 Los Angeles 41 KLCS-DT #NW 162kw/901m  
 Los Angeles 58 KLCS #PC>2570kw/901m  
 Monterey 32 KION-DT #NW 46kw/758m  
 Oxnard 25 K25GV #QC from ch. 24, 10kw  
 Palm Springs 28 KVES-LP PR>10kw  
 dismissed ROA;  
 PG 9.99kw  
 Quincy 5 K05LN QG from K11JU  
 Redding 33 K33HH #QC from K34DF, 1.02kw  
 Sacramento 60 KSTV-LP #QC from ch. 53, 43kw  
 San Diego 41 KZDF-LP #QC from ch. 33, 15kw,  
 33-00-33/116-58-14; CL  
 from Oceanside  
 San Diego 43 KBOP-LP QG from ch. 25, 4.67kw,  
 32-41-52/116-56-02  
 San Francisco 28 KBIT-CAFC to religion (KFTL-64)  
 San Jose 49 KSTS-DT #NW 257kw/688m,  
 37-29-57/121-52-16  
 (KNTV-11 on subchannel)  
 Santa Maria 19 KCOY-DT #NW 130kw/579m  
 Santa Maria 40 KWSM-LP #QC from ch. 62, 150kw,  
 34-54-37/120-11-08  
 S. Luis Obispo 34 KTAS-DT PG>82kw  
 Ukiah 19 K23CZ PR>12.7kw; granted  
 Visalia 8 KFAZ-CA #PC>3kw,  
 36-17-14/118-50-17  
Colorado:  
 Ashcroft 16 K16FS NS 156w,  
 39-08-48/106-53-11  
 Avon 36 K36DB #PC< 50w,  
 39-38-38/106-32-14; CL  
 from Sweetwater Creek  
 Boulder 47 K47IH QG from K38FF; 400w;  
 already on  
 Breckenridge 26 K26GY #QC from K30BS, 30w,  
 39-33-57/106-03-17; CL  
 from Redcliff  
 Colo. Springs 10 KKTU-DT #NW 20.1kw/725m  
 Colo. Springs 43 K43CG #XC 38-44-43/104-51-42  
 Dove Creek 17 K17GE #XC 37-45-55/108-54-13  
 Fort Collins 56 K56IC QG from ch. 35, 12.5kw;  
 CL from Estes Park  
 Holyoke 25 K25GZ #QC from K69CD, 3.4kw  
 Pinewood Sprs 44 K44GT QG from K08IV, <5w,  
 40-17-06/105-21-35  
 Pleasant Valley 16 K16ET #QC from K51DE  
 Silt 45 K45HL QG from K54AG, 1.4kw,  
 39-25-24/107-22-32  
 Silt 48 K48IC QG from K52AG, 1.4kw,  
 39-25-24/107-22-32  
 Thomasville 14 K14LQ NS 88w,  
 39-21-12/106-41-00  
Connecticut:  
 Hartford 33 WFSB-DT PG>1000kw/289m  
District of Columbia:  
 Washington 23 WKRP-LP PR<2.2kw,  
 38-56-09/77-04-26  
 Washington 33 WHUT-DT PG<254m  
Florida:  
 Bradenton 42 WXPX-DT NS# 210kw/476m,  
 27-49-10/82-15-39  
 Fort Myers 6 WLZE-LP QR from ch. 65, 3kw  
 Fort Myers 15 WBBH-DT PG>454m, DA

Fort Myers 18 WDPX-LP #QC from ch. 57, 50kw  
 Fort Pierce 50 WTVX-DT #NW 704kw/438m  
 Hallandale 58 W58BU #PC>90.8kw  
 Inverness 64 960711LK AF dismissed  
 Jacksonville 44 WJEB-TV QR from ch. 59 dismissed  
 Melbourne 13 W16AJ QR 2.08kw dismissed  
 Miami 38 WPMF-LP #QC from ch. 31  
 Miami 57 WGEN-LP QR from ch. 55, 147kw  
 dismissed ROA; CC from  
 W55BV  
 Naples 41 WZVN-DT PG>454m  
 Newport 29 W29CW XG 24-57-31/80-34-29;  
 CL from Marathon  
 Orlando 16 WVCI-LP #QC from ch. 63, 9.2kw  
 Palatka 63 960917KI AF dismissed  
 Panama City 11 W11CW QG from W69DH, 3kw,  
 30-24-40/86-37-28  
 Port Richey 18 W46BQ #QC from ch. 46, 2.6kw,  
 28-19-12/82-41-52;  
 PR>3.6kw  
 Sarasota 5 W34AW PR>3kw  
Georgia:  
 Atlanta 4 W04DB QG from W20AU, 2.5kw;  
 already on  
 Atlanta 22 WSKC-LP PR>150kw dismissed  
 Atlanta 23 W23CH XR 33-48-26/84-20-22  
 Atlanta 50 WDTA-LP QR from ch. 28, 116kw,  
 33-45-45/84-23-14; CL  
 from Fayetteville  
 Augusta 30 WAGT-DT NW# 400kw/483m,  
 33-24-20/81-50-01  
 Augusta 42 WJBF-DT PR<507m,  
 33-24-20/81-50-01  
 Augusta 6 WJBF PR>495m,  
 33-24-20/81-50-01  
 Hinesville 41 W41CR QG from W39BV, 17kw,  
 31-49-52/81-47-21  
 Tifton 13 W12DA QR from ch. 12, 3kw,  
 31-28-11/83-14-11  
Hawaii:  
 Honolulu 9 KGMB PR<105kw/-15m  
Iowa:  
 Council Bluffs 52 K39DF PR<11.7kw  
 Davenport 56 KWQC-DT PG>329m  
 Ottumwa 18 K33AA QR from ch. 33, 100kw  
 Waterloo 22 KWWF PR>3000kw/198m,  
 42-24-53/92-00-34  
Idaho:  
 Georgetown 57 K57IA #QC from K69CL, 330w,  
 42-30-07/111-20-31  
 Hailey 18 KSVX-LP #PC<1.5kw  
 Lewiston 45 K30BW #QC from ch. 30, 630w  
 Moscow 12 KUID-DT NW 128.5kw/340m  
 Moscow 35 KUID-TV QC from ch. 12,  
 320kw/223m,  
 46-41-07/116-50-34  
 Twin Falls 22 KIPT-DT #NW 50kw/182m  
 Twin Falls 51 KSAW-LP PG<21.7kw  
Illinois:  
 Carbondale 8 WSIU-TV PR>271m,  
 38-06-11/89-14-40  
 Carbondale 40 WSIU-DT PR>1000kw/271m  
 Effingham 54 WEIL-LP FC to religion  
 Olney 19 WUSI-DT PR>61kw/284m  
 Peoria 25 WEEK-TV #PC<212m  
 Peoria 57 WEEK-DT #NW 452kw/212m  
 Rochelle 55 W55DF NS 1kw,  
 41-55-11/89-07-04;  
 PR>85kw,  
 41-52-33/89-45-16, tower

near Sterling

Indiana:

Fort Wayne 19 WISE-DT NW 9.9kw/235m  
Fort Wayne 33 WISE-TV CC from WKJG-TV  
Fort Wayne 36 WFFT-DT NW 970w/64m  
Fort Wayne 40 WFWA-DT NW 90kw/221m  
Fort Wayne 43 W43CF QG from W66BD; 4.4kw  
Indianapolis 34 WIPX-LP QR from ch. 51, 150kw,  
39-55-43/86-10-55  
Terre Haute 36 WTWO-DT NW 1.92kw/268m

Kansas:

Garden City 39 K39FW #NW 10.1kw,  
37-59-42/100-52-42  
(TBN)  
Great Bend 30 K69DQ PR>8.4kw  
Hays 25 K25CV PR>8.9kw  
Russell 38 K20BU PR>7.2kw  
Salina 51 K22CP PR>8.5kw  
Topeka 23 KTWU-DT PG>960kw/281m;  
already on  
Wichita 40 KFVT-LP #QC from ch. 61, 50kw

Kentucky:

Bowling Grn.18 WKYU-DT PG>61kw/177m,  
37-03-49/86-26-07

Louisiana:

Baton Rouge19 KZUP-CA PR>150kw,  
30-19-34/91-16-36;  
already granted & on air  
Baton Rouge 21 WBRL-CAPR>150kw,  
30-19-34/91-16-36;  
already granted & on air  
Baton Rouge 46 WAFB-DT #PC<46kw/146m,  
30-26-36/91-10-54  
Lafayette 40 KAJN-LP #PC>150kw  
Lake Charles 20 KLTL-DT PG>299m,  
30-23-46/93-00-03  
New Orleans 30 W52DE QR from ch. 52, 43.9kw;  
CL from Meridian, MS

Maine:

Calais 10 WMED-DT #NW 3.5kw/133m  
Presque Isle 47 960920KY QR from ch. 62

Maryland:

Baltimore 40 WNUV-DT NS 845kw/373m,  
39-20-10/76-38-59  
Frederick 22 W52AS PR>37.3kw  
Frederick 28 WFPT-DT PR<14kw/162m,  
39-15-37/77-18-38  
Frederick 62 WFPT PR<1480kw/162m,  
39-15-37/77-18-38

Massachusetts:

Boston 67 WTMU-LPPR<24.5kw  
Springfield 43 WHTX-LP QR from ch. 10, 5.5kw,  
42-05-05/72-42-14; CL  
from Hartford, CT

Michigan:

Berrien Sprs.12 WYGN-LPPC>3kw,  
41-57-42/86-21-02  
Cadillac 19 W19CS PG<77kw;  
CL from Traverse City  
Flint 9 W09CK #PC<90w,  
43-07-09/83-40-38; CL  
from Pinconning  
Grand Rapids 17 WXMI #PC>1700kw  
Grand Rapids 19 WXMI-DT #NW 725kw/306m  
Pinconning 15 W15BP #XC 43-50-46/84-05-32  
Pinconning 69 W69DW #PC<250w  
Saginaw 30 WEYI-DT PR>193kw/356m  
Saginaw 32 W22CC QR from ch. 22, Bay City  
dismissed ROA

Minnesota:

Aitkin 47 K47IG NS 13.1kw,  
46-32-07/93-50-26  
(KQDS-21 Fox)  
Albert Lea 54 K54HA #PC>10kw  
Bemidji 18 KAWE-DT PG>80kw/303m  
Chisholm 11 KRIL #NW 316kw/200m,  
47-51-39/92-56-46  
Jackson 23 K47EL #QC from ch. 47, 800w  
Minneapolis 25 K58BS QR from ch. 58, 100kw

Mississippi:

Bude 18 WMAU-DT LC for NW dismissed  
Pascagoula 7 WKFK-LP #PC>3kw  
Wiggins 46 960920LV QR from ch. 56,  
500kw/348m,  
30-43-22/89-05-28

Missouri:

Jefferson City12 KRCG-DT #NW 15.1kw/308m  
Joplin 20 KJDS-LP #QC from ch. 48, 4kw,  
37-01-15/94-32-24  
Joplin 64 K64FW #QC from K36DF, 13.7kw  
Kirksville 33 KTVO-DT #NW 87kw/290m  
Springfield 54 K54FX #QC from ch. 39, 8.47kw

Montana:

Billings 10 KTVQ-DT GA from ch. 17  
Poplar 55 K55BX #PC<820w,  
48-17-28/105-15-09  
White Sulphur 6 K10NX #QC from ch. 10,  
46-27-44/110-51-22

Nebraska:

Scottsbluff 4 KDUH-TV PG<446m,  
41-50-28/103-04-27

Nevada:

Battle Mtn. 3 K03HL PG 30w,  
40-38-28/116-55-59  
Carson City 29 K29ES #QC from K15AN  
Carson City 48 KNCV-LP #QC from ch. 65, 11.2kw,  
39-15-21/119-42-37  
Henderson 46 K46GX #QC from K60AN, 720w,  
35-59-44/114-51-46  
Las Vegas 3 KVBC #PC<386m, drop DA  
Las Vegas 57 K57FA #PC>150kw,  
36-00-30/115-00-20  
Pahrump 44 K44AA #PC>7.3kw,  
35-57-25/115-29-46  
Pahrump 49 K49AB #PC>7.3kw,  
35-57-25/115-29-46  
Pahrump(h) 48 KHMP-LP QR to ch. 48, 8kw,  
36-12-14/115-57-16  
dismissed ROA; PR>5kw  
on ch. 62,  
36-12-15/115-57-13,  
already granted; CC from  
K62FX  
Reno 15 KNPB-DT PG<149m

New Jersey:

Trenton 25 W25AW #PC>10kw  
Vineland 59 new-tv dismissed 2 apps

New Mexico:

Alamogordo 6 K06NW NS 3kw,  
32-58-04/105-59-28  
Alamogordo 27 K27GO #QC from ch. 53, 1.87kw,  
32-49-48/105-53-15  
Alamogordo 49 K49FX #QC from K59AB,  
2.11kw  
Albuquerque 14 KTFQ CC from KAPX  
Albuquerque 17 KAZQ-DT  
PG<65.6kw/1247m  
Albuquerque 45 KASY-DT #NW  
245kw/1287m,

35-12-48/106-27-00  
 Gallina 31 K31HB QG from K30FT, 980w  
 Santa Fe 29 KWBBQ-DT #NW 245kw/1289m,  
 35-12-44/106-26-57  
 T or C 25 K25HV QG from K54CC, 650w

New York:

Binghamton 4 WIVT-DT NW 1kw/263m  
 Buffalo 15 WBNF-CAPG>27kw  
 Easton 15 WVBX-CA PR<28kw,  
 42-38-12/73-59-45  
 Hamburg 44 WDTB-LP QR from ch. 39, 40kw,  
 42-52-47/78-52-35  
 Ilion 67 890629KE AF dismissed  
 Nyack 57 WRNN-LP PR>80kw,  
 40-44-54/73-59-10  
 (Empire State Building,  
 NYC)  
 Smithtown 23 WFTY-DT #NW 150kw/204m  
 Syracuse 14 WAWA-LP #PC<9.8kw  
 Syracuse 17 WIXT-DT PG<105kw/402m  
 Troy 26 WNGN-LPPR>50kw

North Carolina:

Charlotte 11 WTVI-DT LC for PC>3.3kw  
 dismissed  
 Charlotte 52 W52CW #PC>15kw  
 Fayetteville 40 WUVC CC from WKFT  
 Jacksonville 18 WUNM-DT #NW 65kw/561m  
 Lumberton 7 WLPS-LP #PC>3kw  
 Lumberton 67 W67DU #PC>23.4kw  
 Roanoke Rap. 20 WNVN-LP PR>9kw,  
 36-30-13/77-44-20  
 Tarboro 41 WNCR-LP QG from ch. 20, 21.6kw,  
 35-54-10/77-46-57; CL  
 from Wilson  
 Wilmington 44 WECT-DT QG from ch. 54,  
 575kw/280m,  
 34-19-16/78-13-43

Ohio:

Akron 50 WEAO-DTNS 180kw/305m  
 Bowling Grn. 56 WBGU-DT PR 190kw/320m  
 Columbus 38 WOSU-DT PG<291m  
 Columbus 56 960920WG AF dismissed  
 Dayton 50 WDTN-DT PR>1000kw/323m  
 Delaware 42 WXCB-LP #PC>35kw  
 Findlay 22 WFND-LP QG from ch. 47, 18kw  
 Pomeroy 58 WJOS-LP #QC from ch. 27, 27kw

Oklahoma:

Lawton 11 KSWO-DT PG<138kw/327m  
 Oklahoma City 33 KOCB-DT PG>458m,  
 35-32-58/97-29-18  
 Oklahoma City 34 KOCB PG>1200kw/458m,  
 35-32-58/97-29-18  
 Tulsa 10 KTUL-DT #NW 6.9kw/542m

Oregon:

Arlington 17 K17GK QG from K65CH, 1kw  
 Burns 41 K41HZ QG from K52FX, 9.45kw,  
 43-34-26/119-07-47  
 Burns 43 K43IH QG from K71AT, 9.45kw,  
 43-34-26/119-07-47  
 Elkton 11 K11VI QG from K66BE, 40w,  
 43-37-16/123-32-03  
 Madras 34 K34HB QG from K66BC, 17.4kw,  
 44-34-46/121-09-07  
 Tri City 22 K19AD QR from ch. 19, 13kw

Pennsylvania:

Bethlehem 9 WBPH-DT QR from ch. 59, 3.2kw  
 Clearfield 15 WPSX-DT PR>810kw/413m  
 Erie 32 W32CK PR>84.6kw,

41-52-11/80-10-42  
 Freedom 31 WWBP-LP QR from ch. 25, 29kw  
 Jeannette 19 WNPA #PC>340m  
 Scranton 31 WSWB-DT NS 400kw/360m,  
 41-26-09/75-43-46  
 Towanda 10 W10CP #QC from W08CO

Rhode Island:

Providence 50 WRIW-LP PR<15.4kw,  
 41-48-17/71-28-24

South Carolina:

Florence 16 WPDE-DT #NW 421kw/602m  
 Florence 20 WWMB-DT #NW 375kw/581m  
 Honea Path 65 W65DS #QC from ch. 45, 5.1kw  
 Myrtle Beach 28 WWSC-LPQR from ch. 67, 130w,  
 33-40-23/78-54-05;  
 already granted and on.  
 Orangeburg 55 W55CQ #QC from ch. 52, 14.2kw  
 Spartanburg 7 WSPA-TV #PC 255kw/691m

South Dakota:

Badger 35 K35GR #PC<11.9kw  
 Florence 2 KDLO-DT QG from ch. 25,  
 3.7kw/241m,  
 44-57-53/97-34-50  
 Rapid City 2 KOTA-DT NW 5kw/185m (approx.)  
 Reliance 13 KPLO-DT #NW 40kw/318m  
 Sioux Falls 23 KCSD-TV PR>85m,  
 43-34-28/96-39-19  
 Sioux Falls 24 KCSD-DT PR>75m,  
 43-34-28/96-39-19;  
 amended to 29kw

Tennessee:

Cookeville 36 WNPX-DT #NW 733kw/430m,  
 36-15-50/86-47-39  
 Gatlinburg 18 W18CZ NS 15kw,  
 35-42-29/83-31-15  
 (WFLG-68 rel)  
 Knoxville 14 W50CG QR from ch. 50, 45kw  
 Knoxville 34 WTNZ-DT #NW 460kw/531m,  
 36-00-13/83-56-36  
 Knoxville 43 WTNZ #PC>1960kw/531m,  
 36-00-13/83-56-36  
 Lawrenceburg 13 W13CZ QG from W10BV,  
 2.98kw,  
 35-19-13/87-18-22  
 Memphis 26 W67CV QR from ch. 67, 21.8kw,  
 35-26-08/90-13-24  
 dismissed ROA  
 Nashville 10 WSMV-DT #NW 42.4kw/415m  
 Nashville 63 W63DE QG from W36AK, 22.2kw

Texas:

Austin 22 KLRU-DT PG>700kw/358m,  
 30-19-19/97-48-12  
 Beaumont 21 KFDM-DT #NW 50kw/254m  
 Beaumont 53 new-lp AF dismissed, settlement  
 Belton 38 KNCT-DT QG from ch. 47,  
 200kw/360m,  
 30-59-08/97-37-51  
 Corpus Christi 7 KTOV-LP PR>1kw reinstated &  
 granted  
 Corpus Christi 12 KWDT-LP PR>3kw,  
 27-47-59/97-23-30  
 Corpus Christi 57 K57FC #PC>94.4kw  
 Dallas 40 KXTX-DT #NW 1000kw/494m  
 El Paso 48 KTYO-1 PG>1.2kw  
 El Paso 65 KTFN PG<2637kw  
 Garland 23 KUVN #PC>517m,  
 32-35-21/96-58-12  
 Garland 24 KUVN-DT #NW 190kw/518m,  
 32-35-21/96-58-12  
 Greenville 46 KTAQ-DT PR<496m,

Harlingen 26 KTIZ-LP 32-32-36/96-57-32  
 QR from ch. 52, 87kw,  
 26-09-19/97-41-30  
 Houston 24 KETH-DT PG>900kw/579m,  
 29-34-15/95-30-37  
 Jasper 66 KVHP-LP #NW 20kw,  
 30-58-32/93-59-25  
 La Feria 19 KFTN-LP QR from ch. 30, 87kw  
 Lake Dallas 55 KLDT PG>5000kw/494m,  
 32-32-36/96-57-32  
 Port Neches 53 new-lp AF dismissed, settlement  
 Rosenberg 46 KXLN-DT #NW 363kw/578m,  
 29-33-44/95-30-35  
 San Antonio 43 KOBS-LP #NW 6kw,  
 29-28-45/98-29-33  
 Victoria 11 KVCT-DT PR 18kw/290m,  
 28-50-42/97-07-33  
 Victoria 15 KAVU-DT PR 312m, DA,  
 28-50-42/97-07-33  
 Victoria 17 K17FS XR 28-47-08/97-00-04  
 dismissed ROA;  
 XR 28-50-39/97-06-15,  
 already granted  
 W. Lake Hills 47 KTXU-LP QR from ch. 58, 16kw,  
 30-14-59/97-54-09; CL  
 from San Marcos

Utah:

Alton 34 K60FM #QC from ch. 60  
 Alton 36 K57AQ #QC from ch. 57  
 Beaver 36 K36FM #QC from K30CQ, 750w  
 Beaver 38 K38GF #QC from K28BX, 750w  
 Beaver 40 K40FT #QC from K21EQ, 750w  
 Beaver 42 K42EX #QC from K32DV, 750w  
 Enterprise 5 K05BU FC; sold to KTVX-4  
 Hanksville 46 K46FU #QC from K64EB  
 Hanksville 48 K48GR #QC from K66CC, 10w  
 Hanksville 50 K50FZ #QC from K62EY  
 Hatch 36 K56BP #QC from ch. 56, 350w  
 Hatch 38 K54CN #QC from ch. 54, 350w  
 Heber 33 K56AE #QC from ch. 56, 1.49kw  
 Long Vly. Jct.50 K69BG #QC from ch. 69, 360w  
 Morgan 27 K69AP #QC from ch. 69, 630w  
 Ogden 36 KULC-DT #NW 200kw/1256m,  
 40-39-33/112-12-07  
 Orderville 44 K51CH #QC from ch. 51, 360w  
 Park City 23 K23GP NS 1kw,  
 40-41-00/111-31-23  
 St. George 32 K32FQ #QC from K51DV, 740w  
 St. George 34 K34FS #QC from K53BD, 740w  
 St. George 46 K46GE #QC from K13CA, 740w  
 Washington 51 K51GH #QC from K21CI, 740w

Vermont:

Burlington 13 WVNY-DT GA from ch. 16  
 Newport 36 W36CP QR from ch. 46, 50w,  
 44-32-02/72-01-45, CL  
 from Burlington; already  
 granted & on the air

Virginia:

Fairfax 6 W42BE QR from ch. 42, 3kw,  
 38-53-45/77-08-08  
 Fredericksburg 69 960920IL AF dismissed  
 Fulks Run 45 W45AW PR<1.69kw,  
 38-36-29/78-54-11;  
 already granted  
 Hampton 7 WGBS-LP PR>2.5kw,  
 36-51-39/76-21-13  
 Keysville 19 WERI-LP QR from ch. 39, 17kw,  
 37-33-50/77-27-31  
 dismissed ROA  
 Portsmouth 17 WKTD-CA#QC from ch. 69, 115kw,  
 36-49-47/76-17-55  
 Richmond 23 WCVE-TV PG 2300kw/346m, on

Washington:

Walla Walla 9 KAZW-TV CC from KBKI-TV  
 Wenatchee 32 K63AO #QC from ch. 63, 890w;  
 CL from Stemilt

West Virginia:

Charleston 16 W23BH QR from ch. 23, 22.9kw  
 Lewisburg 59 WVNS-TV CC from WVSV  
 Martinsburg 50 W44AA QR from ch. 44, 11.5kw,  
 39-27-36/78-03-45  
 Moorefield 22 W22CV #NW 40w,  
 38-58-57/78-54-31  
 Wheeling 56 W56DX PR>70.9kw

Wisconsin:

Crandon 4 WBIJ NW 1.7kw/123m,  
 45-34-23/88-52-57, FN  
 Green Bay 42 WPNE-DT NW 150kw/375m  
 Green Bay 49 W49CB #PC>22.3kw  
 Madison 23 W23BW PR>70.6kw,  
 43-03-09/89-28-42  
 dismissed ROA;  
 PR>38.5kw (same  
 coordinates), granted  
 Milwaukee 34 WISN-DT PR 863kw/263m,  
 43-06-42/87-55-42

Wyoming:

Casper 13 KCWY PR<6.9kw/535m  
 Casper 36 K36GT NS 150kw,  
 42-44-30/106-18-29  
 Laramie 24 KPAH-CA #PC>4.2kw  
 Little America 45 K07LS #QC from ch. 7,  
 1.02kw,  
 41-06-19/110-12-13



U.S. Possessions:

Puerto Rico:

Mayaguez 22 WNJX-TV #PC>4201kw/676m,  
 18-09-00/66-59-00;  
 PG 658m  
 San Juan 32 WTCV-DT PR<19.3kw,  
 already granted



Virgin Islands:

Charl. Amalie 14 W14CP FC - drops  
 TBN  
 Christiansted 39 WCVI-TV QR from 27,  
 26.67kw/134m

Caribbean:



Cuba:

Two new TV networks are under construction in  
 Cuba. Both will cover the entire country. "Canal  
 Educativo", an educational network, is already on  
 the air. A partial list of transmitters:  
 Camaguey 18



Havana 4  
Piñar del Rio 14 (city)  
19 (province)

Additional transmitters are planned. The Havana station has already been seen in the U.S. via E-skip. Powers are unknown but I'd bet the UHF transmitters will eventually be seen along the Gulf Coast.

**Notes:**

Thanks to Bill Draeb, Greg Barker, Joe Fela, Rick Lucas, Arnie Coro, and Scott Fybush for information appearing elsewhere in this month's column. We're having an excellent skip season, so I'm going to keep this month's column short and leave more space for DX. (it's great to have that problem for a change!)

In late May, 22 New York City broadcasters signed a deal to place their transmitters atop the new 1776-foot World Trade Center planned to replace the original towers. Objections from the Federal Aviation Authority halted plans for a 2,000-foot tower in Bayonne, New Jersey.

The listed changes at WPSX-DT in Pennsylvania are a bit misleading. This station has a permit (not in the FCC database) for another channel 15 transmitter in State College. If the booster works, plans are being laid for additional boosters in Altoona and Johnstown.

A different approach to improving DTV coverage is being tried in the San Francisco area. KNTV-DT San Jose is the NBC affiliate for the market, but with a transmitter well south of the city, the station's coverage just isn't cutting it. As you may remember, NBC purchased Telemundo a few years back; KNTV is now using one of Telemundo affiliate KSTS's digital virtual channels to relay their signals.

(KSTS is also licensed to San Jose and is thus also precluded from using a San Francisco transmitter site. But KSTS isn't restricted by analog stations in adjacent markets – KNTV is – so there is some improvement in the signal.)

Well, the skip season is off to a pretty good start this year. Tropo hasn't been half-bad either. The DTV distance record was indeed shattered right at deadline for the June VUD – but it was then shattered again a few days later. Both receptions are precedent-setting, and have proven that digital TV can be DX'ed. I'll leave the details to the DX columns. Here's hoping you're getting in on the DX!



## 2003 Major League Baseball TV List

Courtesy of Ken Onyschuk and Doug Smith

**American League:**

Anaheim KCAL-9  
Baltimore WJZ-13  
WNUV-54  
WFTY-50  
Boston WBZ-4  
Chicago WGN-9  
(White Sox)  
Cleveland WUAB-43  
Detroit WKBD-50  
Kansas City cable only  
Minnesota KMSP-9  
New York WCBS-2  
(Yankees)  
Oakland KICU-36  
Seattle KIRO-7  
Tampa Bay cable only  
Texas KDFW-4  
KDFI-27  
Toronto cable only

**National League:**

Arizona KTVK-3  
Atlanta WTBS-17  
Chicago WGN-9  
(Cubs) WCIU-26  
Cincinnati cable only  
Colorado KWGN-2  
Florida WPXM-35  
Houston TBA  
Los Angeles KCOP-13  
Milwaukee WCGV-24  
Montreal none  
New York WPIX-11  
(Mets)  
Philadelphia WPSG-57  
Pittsburgh cable only  
St. Louis KPLR-11  
San Diego KUSI-51  
San Francisco KTVU-2

# THE FIRST DIGITAL ESKIP

## GERARD WESTERBERG RECEIVES KOTA DT 2

\*\*\*\*\*

On Friday, May 30, 2003, at 8:22 AM EDT, I was truly fortunate to be the first person in history to successfully capture a DTV PSIP ID via sporadic E. It was from KOTA-DT (ch 2), Rapid City, SD, from a distance of 1,062 miles!

The events leading up to this historic reception actually began the night before when a series of X-class solar flares had triggered severe geomagnetic storms. At 6:00 PM on May 29th, strong auroral effect was severely hashing up FM and TV reception. While on the hunt for new logs, I noticed a coherent carrier offset indication on the Hauppauge WinTV-D DTV card's diagnostic screen, along with an intermittent Sync Lock indication. These are positive indications that a DTV signal is present. I had the presence of mind to take a screen capture:

Interestingly enough, there was no hint of sporadic E activity at that time -- just a tremendous amount of auroral hash on both FM and the VHF TV channels. The intense auroral activity, as well as the indication of a DTV signal on channel 2 prompted me to send the following message to a regional DX list that I maintain:

From: "Girard Westerberg" <gwesterberg@dxfm.com>  
To: "dx"  
Subject: Aurora & DTV "Sniff" on Channel 2!  
Date: Thursday, May 29, 2003 6:00 PM

At 6:00 PM -- a SEVERE geomagnetic storm is in progress. Strong auroral signals are present on the VHF channels and FM.

I am seeing a DTV "sniff" on channel 2 very intermittently bringing on the Sync Lock! I doubt it possible to get coherent DTV via aurora, but it can't hurt to try.

Girard Westerberg  
Lexington, KY

By 7:15 PM EDT it was obvious that the auroral activity was on a downswing. FM and VHF TV reception was returning to "normal." My DTV "sniff" on channel 2 had disappeared. I monitored conditions until about 9:00 PM, at which time all signs of auroral activity were entirely gone. Since another Coronal Mass Ejection from an X-class flare was due to impact sometime between 2:00 AM and 8:00 AM EDT, I decided to go to bed early with the intent of getting up at around 2:00 AM and looking for another round of auroral activity. I did note some Es activity from the north at exactly 9:23 PM when a "CTV" logo showed up on channel 2. Aurorally induced Es is not uncommon, so I watched a little longer to see if it would develop into a major opening. By 9:35 PM, the Es had vanished, and I decided to get some sleep.

I woke up on schedule at 2:00 AM, and was pleased to find some weak, intermittent sporadic E on channel 2. It was very spotty, with signals alternating between Texas and Colorado.

Based on several DX reports, it looked as if the Es activity had peaked earlier in the night, and I was catching the tail end of the opening. I decided to stick to my original plan, and wait for the arrival of the next CME to see if it would trigger more auroral activity.

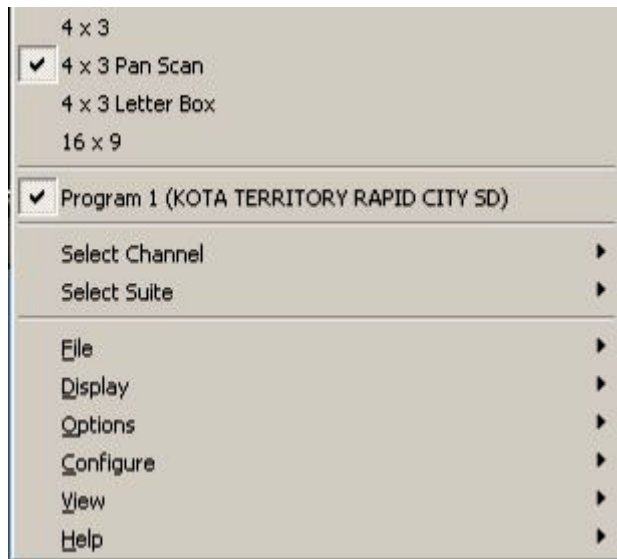
By 2:45 AM Es activity started picking up. My DTV "sniff" was back on channel 2, so I decided to park the antenna on a heading of 299 degrees. That's the beam heading for KOTA from this location, and I didn't want to miss out on possibly snagging KOTA-DT again. You see, toward the end of last summer's Es season, I got a intermittent sync lock on channel 2, which I suspected was KOTA-DT. It briefly brought on the EQ Lock light, but nothing was decoded, and the mystery DTV signal quickly disappeared. I felt I had been late in recognizing the DTV snow that had suddenly appeared on KGFE's signal, which had been in with good quality a few moments earlier. I vowed to never miss such an opportunity again.

At 3:15 AM I was getting strong signals on channel 2 from Texas and Colorado with the antenna pointed toward KOTA-DT. The DTV "sniff" was still there, so I wasn't about to move the antenna. Es activity continued and the MUF was rising. By 6:00 AM I was getting an interesting assortment of signals taking turns on channels 2, 4 and 5, with Canada, Wyoming, Colorado and Texas in simultaneously. The FM band was also open.

A little after 7:00 AM, KGFE (2), Grand Forks, ND showed up. It was taking turns with CKCK, Regina, SK that had just signed on. The Texas, Colorado and Wyoming signals had disappeared. The intermittent DTV signal on channel 2 was still there.

By 8:00 AM things weren't looking good for capturing a DTV Es reception. The MUF had retreated to channel 3, and CKCK was dominant on the channel. It appeared that channel 2 was "going long", and we were nearing the end of the Es event. I hadn't seen the DTV signal on ch 2 for around 30 minutes. At around 8:10 AM I was going to give up and head to work. I had literally gotten up from my chair and was getting ready to head for the shower. Just as I got up, the DTV signal on channel 2 showed up again, this time intermittently lighting up the EQ Lock. I sat back down. I'm glad I did.

At exactly 8:22 AM EDT, the Sync Lock and EQ Lock both turned green, and the frame error rate quickly worked its way to zero. It stayed that way for a little over five seconds. Yet, no audio or video appeared. But, the PID information filled in on the WinTV-D's diagnostics screen. That generally means that a valid PSIP ID was captured. A right click of the mouse brought up the following:



A valid PSIP ID was captured! The first ever DTV reception via sporadic E was in the history books. It would have been nice to have received a fully decoded frame of video, but that was not to be.

The signal from KOTA-DT continued intermittently bringing up the Sync Lock for the next 40 minutes, but the frame error rate never went lower than around 350. It's got to be below 300 to have any shot at decoding video. Then, at 9:15 AM EDT, the frame rate error count once again headed for zero and stayed there for several seconds. This time I heard a chirp of audio and a few garbled (but useless) video frames were decoded. Again, nothing in the way of a coherent frame of video presented itself.

After that KGFE was back, and I decided I couldn't put off heading in for work any longer. I left the antenna pointed at KOTA-DT, and headed out. The WinTV-D card will retain the last good video frame it receives, so I figured if KOTA-DT returned, a frame capture was still possible. Unfortunately, it didn't happen.

Of course, it's only a matter of time before a perfect set of Es conditions will allow someone out there to get good audio and a clean video capture from a DTV station. I, for one, will keep trying.

# Cuban TV Logos

Jesus Perez, Havana Cuba

The following logos came in the mail from one of our members in Havana, Jesus Perez. These are all hand-drawn by Jesus. He writes: "We have 14 local TV channels called Telecentros, but actually they only operate locally from 4:45pm to 6pm from Monday to Friday. I drew the logos as exactly as I could."



BAYAMO CITY CH: 4

**TV Camaguey**



CAMAGUEY CITY CH: 4



**Televisión Avileña**

CIEGO DE AVILA CH: 12



**PERLAVISION**

CIENFUEGOS CITY CH: 11



**YAYA30**  
Centrovision

SANCTI SPIRITUS CH: 11



**SOLVISION**

GUANTANAMO CITY CH: 13



NUEVA GERONA ISLE OF PINES CH: 10



**TunasVision**

LAS TUNAS CH: 13



MATANZAS CITY CH: 13



PINAR DEL RIO CITY CH: 13

# June 7th Transatlantic TV DX

## UK TV DXER HEARS AUDIO FROM CANADIAN CHANNELS A2

On June 7, 2003, several DXers including John Faulkner and David Hamilton in the UK, and Paul Logan in N. Ireland experienced TA DX on channels A2 to A4. John, in particular, had stunning audio of this multi-hour session, with the Royal Bank of Canada mentioned, CTV, Halifax and Dartmouth mentioned along with long segments of childrens' programming. WTFDA members who have computer access should check the link below to hear this audio as it is truly astounding!

Here is John's original email along with comments by Bob Cooper.

---

*Hi All*

*This morning I was fortunate to catch some exceptional transatlantic E's with several TV signals getting through on channel A2.*

*To simplify things I have created a web page at <http://www.skywaves.info/tadx07-06-03.html>*

*I have included a SpectrumLab screen grab and a link to the audio highlights of this reception. CTV audio was possible for almost two hours! and heard mixing with other stations on occasions. I don't know the sites, but if anyone can help with any ID's from the information given on this page I would naturally be very grateful.*

*Video was present on the D100. Fascinating to see several north American signals battling it out! Unfortunately I could not lock the picture due to my monitor not having any H/V hold controls, but Paul Logan in NI said he saw a "starburst" logo top left on one of the signals.*

*Trust you're enjoying the incredible E season over there too.*

*Best DX and long may it continue!*

---

Bob Cooper replied:

...John Faulkner's report of Canadian (Maritime) double hop Es reception in UK to point. Earlier around 10.30AM UTC (fellow UK TV DXer) Mark had posted "Anyone online? What's CKCW actually showing at the moment ... 7.30 Atlantic time Mark"

John later posted, "This morning I was fortunate enough to catch some exceptional transatlantic E's with several TV signals getting through on channel A2. ... CTV audio was possible for almost two hours and heard mixing with other stations on occasions."

Point: This implies a MUF of easily 59.75 (60) MHz on double hop Es. The suspected target area is Nova Scotia/Newfoundland.

Point: One might assume - perhaps in error - that if there is 60 MHz EE covering the transatlantic path that some pretty exceptional things might be happening at 6 meters / 50 MHz simultaneously over the same path. I went to a pair of 50 MHz reflector boards to check this out. There was but ONE (!) posting by a group that misses absolutely nothing (there are so many hams on 6 meters on both sides of the "pond"), to wit: "0944 (UTC) VO1 (Labrador) beacons into Europe."

Point: Perhaps what this is telling us is that 50 MHz propagation reports (<http://dxworld.com> and others) may NOT be the best indicator of EE (double hop Es) at a frequency that is only slightly higher (60 MHz).

Point: June 5 1955. I lived in Fresno (California), had stacked Winegard all-channel antennas 100 feet above ground and it was a Sunday morning local time. When I turned on my TV DX gear at 7AM local there was very heavy Es from channels 2 to 6. I was also active on six meters (50 MHz) and immediately turned on the 6 meter receiver. Nothing at all. Humm? Now this was long enough ago that on a Sunday morning many TV stations were still coming on the air with programming rather late in the day (ahh - the golden old days!). Those that were on were running local church services and similar unique-to-each-station programming. Imagine that - test patterns with big fat call letters and local church services! Life seldom got much better than that.

Point: For the next 3 hours I sat there dumbfounded as WBZ-4, WTTG-5, WCBS-2, WSYR-3 ... something like 21 channel 2-3-4-5 and yes 6 DOUBLE HOP TV stations filled my 12 inch screen, essentially coast to coast with nothing but the eastern zone stations on the channels for the first couple of hours. No sign of single hop stations at all and six meters was dead as a door nail.

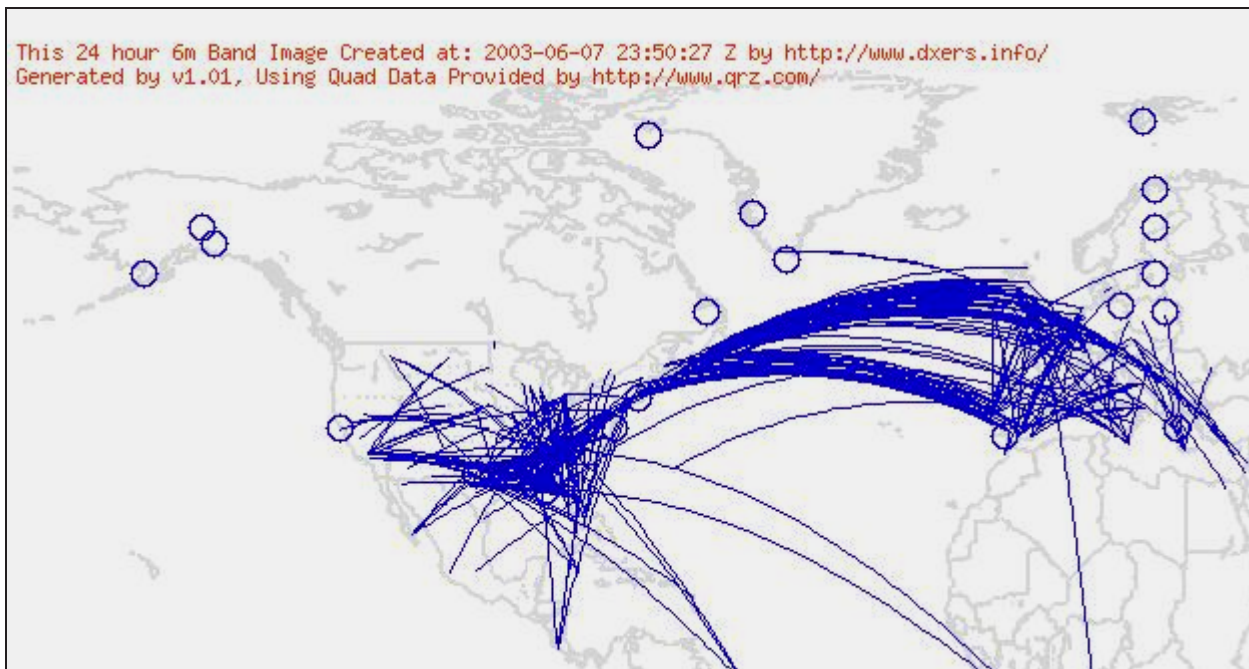
Point: I was so excited that I ran indoors from my garage "shack" and called Ed Tilton (amateur W1HDQ) who at the time was the VHF editor for (amateur radio publication) QST. He immediately got on 6 meters ("band seems dead here," said he) and verified it was indeed dead in central Connecticut. I then read him the text on the screen from WBZ-4 which was coming through simultaneously to our conversation - WBZ being 100 miles east of him, and for good measure, told him of the live church service on WCBS channel 2 which was 100 miles to the SW of him.

Point: Three hours into this, the last double hop station I logged was on channel 6 (!) out of Ohio. I have regretted not getting up earlier of course. After Columbus on channel 6 dropped out I then had several hours of strong Es from stations in Kansas, Nebraska - the usual single hop stuff.

Synopsis: As the "collector" for ham 50 MHz reports and as the simultaneous collector for TV DX reports for his Radio Electronics column, Tilton would later confirm that this was a "Bob Cooper only" opening - nothing of double hop Es reports for that entire day on 6 meters. I was not set up for FM DXing at the time, probably would have had some equally exciting reception there as well as the audio on channel 6 was very potent for several hours as the stations on the screen verrrry slowly changed from one to another. The physical dimensions of the "target area" ranged from Norfolk, Va (Ch 3) on south to Boston on north all along the coast (including Philadelphia on 3 and 6) and inland to Ohio and West Virginia missing almost nothing that was on the air at the time within that zone. The assumption that to have double hop distances we must simultaneously have single hop reception may under some circumstances not be valid - as my subsequent reception of Puerto Rico and others of even triple hop distances would later strongly suggest as well.

So while we are experiencing a cracker of an Es season, perhaps it would be advisable to "forget" some of the "MUST have 'A' to equal 'B' rules." And that includes high band Es that occur even when low band seems essentially dead at YOUR location.

-----  
Mike Hawk also reported that 2-way contact info was available at [www.dxers.info](http://www.dxers.info) and advised DXers who monitor for TA signals to use the information on that website as a reference.



TransAtlantic 2 hop contacts plotted on June 7<sup>th</sup> from <http://www.dxers.info>

(continued next page)

**IRC CHAT TUESDAY & FRIDAY EVENINGS AT 10PM ET**  
The Network: ICQnet, channel #dx, server irc.icq.com 6667

Here is the email John quickly received back from CKBW:

-----  
Hello John

Thank you for your inquiry concerning distant reception of Channel 2. I've listened to your audio file and I'm happy to report that you did indeed listen to the ATV signal last Saturday morning. I was able to hear the on Air announcers in Halifax during the promos that ran.

The programming for CJCH and CKCW is identical except for the occasional commercial spot. Unfortunately I was not able to discern any local commercials on the file which would allow me to say conclusively that you were watching Channel 2, however we are the only high power Channel 2 in the ATV system in Atlantic Canada so I would say you were indeed listening to our transmitter signal.

The CJCH signal is Channel 5 and the CJCB signal in Sydney, Nova Scotia is Channel 4.

A few facts about Channel 2. Perhaps you already have them  
Power 56,000 ERP Visual - -9200 ERP Aural--. Transmitter located in Albert county New Brunswick on Caledonia Mountain. Elevation 1300 feet, Tower Height 300 feet. Antenna is a GE Ultra Power 4 slot. Transmitter is a Larcan 12KW.

I've checked out your web site. Very interesting. If you have any more questions about our system please don't hesitate to contact me. Hope this helps. I've attached an ATV/CTV logo.

Carson McDavid  
Director of Engineering  
ATV/CTV Moncton New Brunswick

-----  
John writes:

It's great to hear this straight from the station. I'm not really a QSL collector, but I suppose this actually counts as a QSL. What a catch! I could even print off the e mail attaching the logo they sent!

So the station itself is confirmed but not necessarily the actual transmitter, though with this being the only high powered CKCW station on the channel. Wonder what the lower powered ones are at? A few hundred watts??

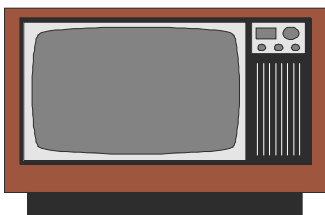
It was really bizarre to be able to listen to the audio from such a distant signal for the best part of two hours. I guess we're talking at least double hop, possibly triple, since the theoretical limit for double hop from New Brunswick would place the signal roughly at the west of Ireland. I'm sure there will be a repeat performance sometime. After all, TA on 6 is fairly regular throughout the summer months, so fingers crossed!

A VERY BIG THANKS to everybody who has given help on this.

Good DX

John

---



The WTFDA...Analog and Digital TV DX Experts!  
The DTV specialists hunting them down daily.  
*PIONEERS IN DTV DXING.*

July 2003

Sorry to toot my own horn, but we're not only talking about a distance record for me, but a club record for DTV tropo! Here's some recent captures from my collection:

Equipment: 1992 Zenith "Sentry 2" 13" color TV, Channel Master 4228A screened 8-bay w/CM Spartan 3 #0071 preamp and RG-11 coax for UHF; CM 1114 Crossfire w/CM #0040 preamp, MFC D6367 double-cavity notch filter for 88.5 MHz and RG-6 for VHF, both at 20 ft. AGL. Hauppauge WinTV-D card in Dell 2.5 GHz model 8250 PC.

We start off with some super tropo to a new tropo state for me, Ohio:



WSTR-64 Cincinnati, OH  
 705 mi Tr seen 1/30/03  
 @2335 CT  
 "WB 64 logo lower right"

WDSI-61 Chattanooga, TN  
 465 mi Tr seen 1/30/03  
 @2325 CT



KPRC-DT-35 Houston, TX  
 255 mi Tr seen 5/18/03  
 @2219 CT

KTMD-DT-48 Galveston, TX  
 235 mi Tr seen 4/28/03  
 @0701 CT

And the tropo got better in May...





WJTC-DT-45 Pensacola, FL  
230 mi Tr seen 5/02/03  
@0700 CT



WWL-DT-36 New Orleans, LA  
75 mi GW seen 5/19/03  
@2221 CT  
*"a rare DT-only ID slide"*



WCBI-DT-35 Columbus, MS  
425 mi Tr seen 5/11/03  
@0134 CT



WVTM-DT-52 Birmingham, AL  
330 mi Tr seen 5/11/03  
@0137 CT



WUNC-DT-59 Chapel Hill, NC  
795 mi Tr seen 5/11/03  
@2127 CT



WRAZ-TV-50 Raleigh, NC  
810 mi Tr seen 5/11/03  
@2138 CT



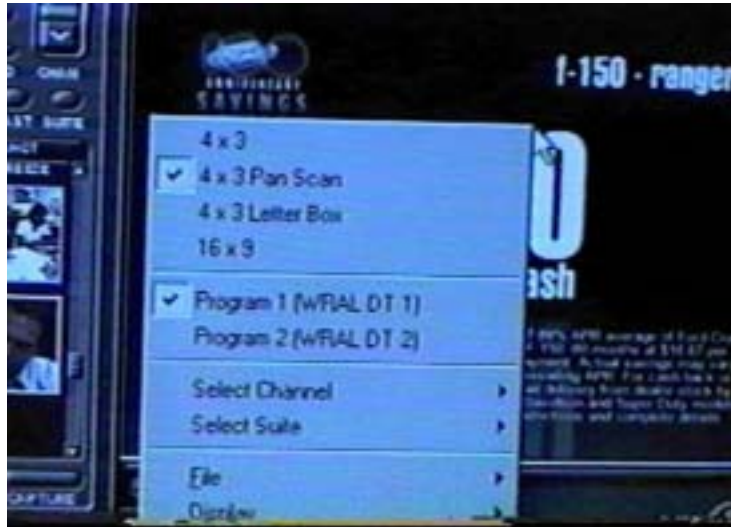
WNCN-DT-55 Goldsboro, NC  
835 mi Tr seen 5/11/03  
@2149 CT  
"Super Tropo!"



WAGT-26 Augusta, GA  
580 mi Tr seen 5/11/03  
@2201 CT



WRAL-DT-53 Raleigh, NC  
810 mi Tr seen 5/11/03  
@2234 CT  
"Program 2"



WRAL-DT-53 Raleigh, NC  
810 mi Tr seen 5/11/03  
@2237 CT  
"PSIP ID on computer screen"



WACH-57 Columbia, SC  
640 mi Tr seen 5/11/03  
@2158 CT



WEBA-14 Allendale, SC  
605 mi Tr seen 5/12/03  
@0052 CT



WTVD-DT-52 Durham, NC  
805 mi Tr seen 5/11/03  
@2240 CT



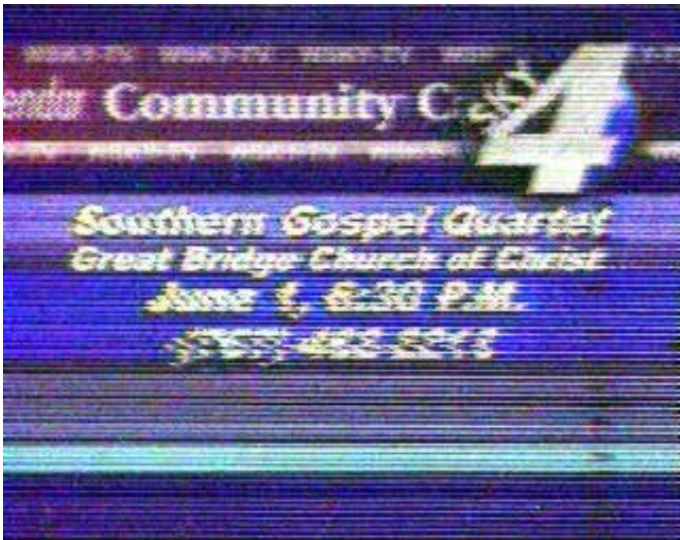
WGXA-24 Macon, GA  
470 mi Tr seen 5/12/03  
@~0125 CT



WGNM-64 Macon, GA  
470 mi Tr seen 5/12/03  
@0030 CT



WITV-7 Charleston, SC  
680 mi Tr seen 5/12/03  
@0142 CT



WSKY-4 Manteo, NC  
970 mi Es seen 5/25/03  
@1702 CT  
"snapped on WinTV-D card"

73's,  
Jeff

# Eastern TV-DX

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

July, 2003

August, 2003 column deadline: July 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.

4/29 tr

0935 WWBT-12 VA Richmond, NBC  
0939 WTVR-6 VA Richmond, CBS  
0942 WVIR-29 VA Charlottesville, NBC  
1000 WRLH-35 VA Richmond, Fox

5/20 tr

2000 WMDT-47 MD Salisbury, ID  
2236 WWBT-12 VA Richmond, NBC

2245 WCAU-10 PA Philadelphia, NBC

5/21 tr

0000 WHYY-12 DE Wilmington, ID  
0040 KYW-3 PA Philadelphia, CBS  
0054 WPVI-6 PA Philadelphia, ABC  
0100 WTXF-29 PA Philadelphia, Fox 29  
0130 WPSG-57 PA Philadelphia, UPN  
0135 WNJS-23 NJ Camden, Telemundo

Jim Ayers, 2497 Wind Forest Court, Norcross, GA

jimayers@raider.net

4/15 tr

0537 WAWS-30 FL Jacksonville 296  
logged one minute before WPBA-30  
Atlanta came on-air

0550 WTHC-LP-42 GA Atlanta now digital  
0621 WGSA-LP-50 GA Savannah 223

4/17 tr

0748 WACH-DT-48 SC Columbia 199

Jim Gill, Bradenton, FL

jgill002@tampabay.rr.com

Equipment: Sony 19" table model TV, Channel Master 3020 at 20' AGL, no pre-amp.

5/19 Es

1150 WLWT-5 OH Cincinnati  
to WLNS-6 MI Lansing  
1300 WSYX-6 OH Columbus  
WMAQ-5 IL Chicago

WTMJ-4 WI Milwaukee

5/21 Es

1215 CKCO2-2 ON Warton  
to WJBK-2 MI Detroit  
1220 WBBM-2 IL Chicago

Conditions only going up to ch. 4 on the 21<sup>st</sup>, not like the 19<sup>th</sup> which went to channel 6. It's good to see the band opening up quite regularly. Also on the 19<sup>th</sup>, 6 meters finally had QSO's from Florida to New Jersey & Pennsylvania. It's been a long time since I've had traffic on 6 meters.

Location is 50 miles south of Tampa, Florida, 1 mile from the Gulf of Mexico. 73's Jim.

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

Equipment: 2002 Panasonic CT-2017F 20" TV, Sharp VCR, amplified Sensar Winegard outdoor antenna with pre-amp, 1999 RCA E13208GY 13" TV, Radio Shack amplified indoor antenna.

5/7 Es

1955 unID-5 NBC  
2019 unIDs-2 ABC, 3 CBS  
2035 unID-4 CBS

5/10 tr

0836 WMC-5 TN Memphis  
0856 KTVI-2 MO St. Louis  
0856 unID-3

0856 KMOV-4 MO St. Louis  
0856 KSDK-5 MO St. Louis  
0856 unID-7  
0857 unID-8 ABC (KAIT? - mcs)  
0859 KETC-9 MO St. Louis  
0859 KPLR-11 MO St. Louis  
0902 unID-13  
0902 WFIE-14 IN Evansville

0903 WZTV-17 TN Nashville  
 0903 unID-19 w/WAZE  
 0904 unIDs-22, 25  
 0905 unID-28  
 0905 KDNL-30 MO St. Louis  
 0906 WBKI-34 KY Campbellsville  
 0906 unID-38  
 0907 unID-39  
 0907 WEVV-44 IN Evansville  
 0908 unID-50  
5/17 Es  
 1959 unID-2 NBC  
5/21 tr  
 1725 WREG-3 TN Memphis  
 1725 WMC-5 TN Memphis  
 1811 WKNO-10 TN Memphis  
 1812 WHBQ-13 TN Memphis  
5/25 Es

1700 unID-2 ABC  
 1702 unID-5 CBS  
 1706 CICI-5 ON Sudbury  
 1721 WPTZ-5 NY North Pole  
 1735 unID-2 NBC  
 1739 WIVB-4 NY Buffalo  
5/30 Es  
 1216 unID-2 Canada, PBS w/Mr. Rogers  
6/6 Es  
 1931 unID-4 ABC  
 1936 WFOR-4 FL Miami  
 1941 WPTV-5 FL West Palm Beach  
 1959 unID-4 SS  
 2000 WESH-2 FL Daytona Beach  
 2001 unID-5 SS  
 2022 unID-2 SS  
 2028 WPBT-2 FL Miami

Doug Smith, Pleasant View, TN

w9wi@w9wi.com, <http://www.w9wi.com>

4/30 Es  
 1300 Mexico chs. 2-6  
5/3 Es  
 1730 Mexico-3  
5/9 tr  
 0645 KTBS-3 LA Shreveport 465  
 0700 KNVA-54 TX Austin 745  
 "thewb54.com"  
 0730 KMSS-33t LA Shreveport  
5/10 Es  
 1000 Mexico-3  
 1800 Mexico-4  
5/19 Es  
 1149 KIII-3 TX Corpus Christi 860  
 1153 KRIS-6t TX Corpus Christi  
 1200 KFDX-3 TX Wichita Falls 669  
 1230 KENW-3 NM Portales 955  
 1250 unID-4 NBC briefly over WSMV  
5/22 tr  
 0800 WABG-6 MS Greenwood 286

5/22 Es  
 0830 KIII-3 TX Corpus Christi 860  
 (fighting it out with WREG...)  
5/25 Es  
 1630 unID-6 CBC Timmins, ON?  
 1630 CICA6-6 ON North Bay 775  
 1630 CKVR-3 ON Barrie 672  
5/27 Es  
 0900 unID-2  
5/29 Es  
 2325 KSWK-3 KS Lakin, MUF ch. 4 777  
5/30 Es  
 0629 KPLO-6 SD Reliance 840  
 0654 KBME-3 ND Bismarck 996  
 0654 KGFE-2 ND Grand Forks, // 3 981  
 0700 KDLO-3 SD Watertown 806  
5/30 tr  
 0830 WXIN-59 IN Indianapolis 245

I suspect the Es was in all night on the 29<sup>th</sup>/30<sup>th</sup>.

Bob Timmerman, Ft. Wayne, IN

bob@timmerman.com

3/14 tr  
 0800 WJHL-11 TN Johnson City 364  
5/1 Es  
 2200 KBEJ-2 TX Fredericksburg 1070  
5/17 Es  
 2000 KACV-2 TX Amarillo 989  
5/18 Es  
 2220 unID-2 Canadian to NE  
5/19 Es  
 1128 KRIS-6 TX Corpus Christi 1164  
 1133 WOAI-4 TX San Antonio 1103  
 1134 WEDU-3 FL Tampa, ID bug LR 933  
 1140 KPRC-2 TX Houston 988  
 1203 KBTX-3 TX Bryan 951  
 1204 KENS-5 TX San Antonio 1103  
5/27 Es  
 0845 KMID-2t TX Midland 1136

0930 KACV-2t TX Amarillo 989  
5/29 Es  
 2350 WBRZ-2 LA Baton Rouge 821  
 2355 WWL-4 LA New Orleans 823  
5/30 Es  
 0012 KALB-5 LA Alexandria 809  
 0112 KBEJ-2 TX Fredericksburg 1070  
 ACN shopping  
 0118 KDFW-4 TX Dallas 881  
 0119 KDTN-2 TX Denton 880  
 0235 MUF down to channel 2  
 0301 WTVY-4 AL Dothan 707  
 0303 WEAR-3t FL Pensacola 739  
 0310 KETS-2 AR Little Rock 600  
 educational program on listening skills  
 0315 WDIQ-2 AL Dozier 667  
 0321 KJRH-2 OK Tulsa 670

0323	WKRK-5t	AL	Mobile	737	0545	unID-5	French film drama	
0400	KFDX-3	TX	Wichita Falls	889	0546	unID-4	French newscast	
0401	WMAB-2	MS	Mississippi State	581	0550	unID-2	French cartoons	
			"This is Mississippi ETV"		1200	CKYB-4	MB Brandon	928
0402	KACV-2	TX	Amarillo	989	1210	unID-3	CBC	
0445	KOCO-5	OK	Oklahoma City	772	1210	CBWT2-4t	MB Lac du Bonnet	
0503	KXAS-5	TX	Fort Worth	880	1212	CKX-5t	MB Brandon	
0511	CJCH-5	NS	Halifax	1114	1230	unID-2	CTV	
			Breakfast Television, ATV		<u>5/30 tr</u>			
0512	CJCH6-6	NS	Caledonia	1040	0100	WPXS-13	IL Mt. Vernon	269
0526	WABI-5	ME	Bangor	850	0527	WTWV-7	IN Evansville	246
0536	WCAX-3	VT	Burlington	668				

It's been at least 10 years since I sent a report to the VUD! (Thanks for taking time to share your DX with us, Bob. You're welcome to report more often though! -mcs)

Jim Renfrew, Byron, NY

Equipment: Various old B&W TVs, some prone to computer hash, some unable to tune channel 3 or 9; Radio Shack antenna for TV and FM.

5/8 Es

1240 unID-2 SS

5/15 Es

1140 unID-2 ABC

5/17 Es

2115 unID-4 NBC

"News Channel 4", KFOR?

5/19 Es

0620 unID-33 WITF or VT w/BBC

0630 unID-45 PBS cartoon, not WNEO

5/23 Es

2135 KUPN-3 CO Sterling, Rockies BB 1330  
E-mail from station says they are only using 47kW at this time

2159 KLNE-3 NE Lexington 1150

5/26 Es

1700 KDFW-4 TX Dallas, Fox 1268

1831 KFSM-5 AR Fort Smith 1048

1853 KTBS-3 LA Shreveport 1148

5/29 Au

1505+ chs. 2-6 heavy auroral hash

5/30 Es

0706 KXJB-4 ND Valley City 1030

0708 KSNW-3 KS Wichita 1105

0712 KYTV-3 MO Springfield 924

0720 KTVO-3 MO Kirksville 965

0722 KOTV-6 OK Tulsa 1091

0730 KMOS-6 MO Sedalia 873

0742 CBWT-6t MB Winnipeg 1041

0750 KMTV-3 NE Omaha 949

0750 WDAF-4t MO Kansas City 928

0755 KHAS-5 NE Hastings 1085

0755 CBWFT-3 MB Winnipeg 1041

1100 WLBT-3 MS Jackson 1018

1246 KPRY-4 SD Pierre 1139

1250 KIVV-5 SD Lead 1310

1257 KSWK-3 KS Lakin

1315 KLNE-3 NE Lexington 1150

1400 KOTA-3 SD Rapid City 1285

Charles Gauthier, St. Lambert, PQ, Canada

gcharles@look.ca

Equipment: JVC AV-20120 20" TV, JVC HR-S3800U SVHS VCR, Antennacraft 32 element VHF-UHF-FM antenna at 30' AG, CM9510A rotor, RG6 coax, Un-named combined trap for channels 2 and 6.

5/25 Es

1845 KARK-4 AR Little Rock 1237

6/6 Es

1225 WFOR-4 FL Miami 1409

CBS News at Noon

1315 WTVY-4 AL Dothan 1172

1400 CJCN-4 NF Grand Falls 874

NTV logo

1445 CJOM-3 NF Argentia 943

1630 WPBT-2 FL Miami 1409

under 5 miles local CBFT

1659 WWAY-3 NC Wilmington 812

1700 WFOR-4 FL Miami 1409

6/7 Es

1540 WUNC-4 NC Chapel Hill 720

UNC TV logo

6/8 tr

0325 WFSB-3 CT Hartford 246

Clear as a local (see note <1>)

6/10 Es

0040 WJXT-4 FL Jacksonville 1134

1230 WJXT-4 FL Jacksonville 1134

1520 KARK-4 AR Little Rock 1237

1527 WSIL-3 IL Harrisburg 939

1615 KSNB-4 NE Superior 1285

big orange logo for KSNB-4 & KTVG-17

1645 KTIV-4 IA Sioux City 1152

Note 1. This was received through my TV service provider LOOK TV, a point to point microwave distribution system which uses Videotron installations atop Mount St-Grégoire, PQ (393 meters) for picking up the Burlington VT-Plattsburgh NY market stations. They do not mute any channels once they are signed off leaving them open for DX!! Distance indicated is from that site. I'm not counting it as one of my own catches; anyway I've stopped counting long ago!

---

Tim McVey, 5471 Beechtree Drive, Warrenton, VA 20187

tkmcvey@erols.com

Equipment: Sharp LC-10A3U (10" LCD TV set), Winegard PR-5040 for VHF and PR-9032 for UHF, up at about 30' AG with rotor.

4/16 tr

0700 WVIT-30 CT New Britain, "NBC-30"

0705 WPXN-31 NY New York

0706 WPPX-61 DE Wilmington

0645 WPSG-57 PA Philadelphia  
UPN and local ads

0715 WNJB-58t NJ New Brunswick

5/12 tr

0720 WNCN-17 NC Goldsboro  
NBC & local ads

0725 WRAY-30 NC Wilson, shop-at-home

5/25 Es

1750 KPLO-6 SD Reliance  
local ads (calls not seen)

1810 KDLV-5 SD Mitchell  
KDLV in NBC peacock logo

6/10 tr

2335 WUNK-25 NC Greenville

2330 WEPX-38 NC Greenville

First ever TV DX report; it's pretty modest but I just started doing TV this season. 61 stations since 4/16/03. (Nice to see your report, Tim! – mcs)

---

Roy Barstow, Teaticket, MA

roybarstow@hotmail.com

Roy e-mailed: "New here is that I have a Zenith set-top box, HDV 420. It is easy to set it up for analog TVs. Starting last night, May 30, I picked up Boston DTVs: WLVI-DT-41, WSBK-DT-39, WHDH-DT-42, WGBX-DT-43, WGBH-DT-19, WFXT-DT-31, WBZ-DT-30 and WCVB-DT-20, plus WUTF-DT-23 and WNEU-DT-34. This morning (May 31) with sun-up tropo, I had WMUR-DT-59, Manchester, NH, WEDN-DT-45 and WFSB-DT-33 in CT and WNDS-DT-35 in Derry, NH."

---

Guy T. Falsetti, Lockport, NY

5/15 Es

KTBS-3 LA Shreveport

WLBT-3 MS Jackson

KATC-3 LA Lafayette

5/19 Es

KLNE-3 NE Lexington

5/19 tr

WUSA-9 DC Washington

WTAJ-10 PA Altoona

5/27 Es

KBTX-3 TX Bryan

KMTV-3 NE Omaha

KLNE-3 NE Lexington

5/30 Es

KATC-3 LA Lafayette

KFDX-3 TX Wichita Falls

KTBS-3 LA Shreveport

KXAS-5 TX Fort Worth

KYTV-3 MO Springfield

KSU (what's this one Guy? - mcs)

6/6 Es

WEDU-3 FL Tampa

6/10 Es

WEDU-3 FL Tampa

KATC-3 LA Lafayette

6/11 Es

WEDU-3 FL Tampa

KATC-3 LA Lafayette

KBTX-3 TX Bryan

KTBS-3 LA Shreveport

Scott Fybush, 92 Bonnie Brae Ave., Rochester, NY 14618

scott@fybush.com

Equipment: Channel Master Quantum 1110 at 40', Channel Master 4248 UHF yagi, amplified, at 46', adequate rotor, JVC HR-D910 VCR (playing the role of tuner), 1978 RCA 19" XL-100 (playing the role of monitor, and just replaced with a \$79 Best Buy Toshiba 13"), lots of Microwave Filter traps (see frequencies below).

4/28 Es

2308 KBTX-3 TX Bryan  
"3 Latecast", star logo

5/17 Es

2137 KLNE-3 NE Lexington, CCI on 4

5/30 Es

1059 WLBT-3 MS Jackson  
 Wilson Dodge commercial  
 1100 KATC-3 LA Lafayette, calls  
 1230 KJRH-2 OK Tulsa, calls, wx  
 1258 KOTA-3 SD Rapid City  
 Rushmore Mall ad, news  
 1300 KSWK-3 KS Lakin, full network ID  
 1315 KLNE-3 NE Lexington, college BB  
 1430 KBME-3 ND Bismarck  
 "Prairie Public TV" ID

6/6 Es

1307 usual pests WEDU-3, WPBT/WESH-2

1516 CJCN-4 NF Grand Falls, "ntv" ID  
 "Jeopardy!", see note <1>

6/10 Es

0037 KSNW-3 KS Wichita, storm map  
 KNSS/KEYN radio calls  
 1254 WEAR-3 FL Pensacola, nx  
 1537 KQTV-2 MO St. Joseph  
 weather alert, "KQ2" logo  
 1555 KHAS-5 NE Hastings  
 community calendar, address  
 1556 KOCO-5 OK Oklahoma City  
 floating over KHAS  
 1559 WOWT-6 NE Omaha, full ID

Note 1. Thanks to Charles Gauthier for the tip on the Topica list; I never would have thought to point my antenna that way otherwise.

Last summer, WTFDAer Rick Lucas put up my new antennas – and of course the ionosphere didn't cooperate. So this is really the inaugural season for my setup, 4300 feet from the hill that's home to 8/10/13/21/31 / DTVs 45/58/59 / FMs 91.5/94.1/96.5/97.9 and a few LPTVs. Is it any wonder I'm having the most fun on low-band V? (Ouch, if any more locals sign on you'll be reporting their distance as 0 miles! Well, maybe you can round up to 1...– mcs). See you all here in western NY in just a few weeks!

Adam Rivers, Chicopee, MA patriotsrule417@yahoo.com, <http://adamskewlsite.freesevers.com>

Equipment: either an RCA 19" color TV or a Magnavox 1970s ~9" TV with rabbit ears.

5/24 Es

1824 WFOR-4 FL Miami, CBS4 logo  
 1832 WPBT-2 FL Miami, logo  
 1840 WTVJ-6 FL Miami, NBC 6 logo

6/6 Es

1659 WFOR-4 FL Miami, CBS4  
 1702 WSAV-3 GA Savannah, (912) AC  
 1704 WCTV-6 GA Thomasville, wx

1706 WPBT-2 FL Miami  
 1709 WUFT-5 FL Gainesville, PBS  
 1810 WFMY-2 NC Greensboro  
 1817 WSB-2 GA Atlanta, Action News 2  
 1828 WJXT-4 FL Jacksonville  
 "The Channel 4 World News Tonight"  
 1829 WCIV-4 SC Charleston, logo  
 1829 WCBD-2 SC Charleston, wx, logo

I've never really TV DXed before, but now that this year it seems that it takes a little while to get up to FM (which is my main point of DX), that I've gone to TV (You'll probably find that most openings require some waiting for the MUF to rise... unless you walk in at just the right time and it's already into FM, but then you'll ask yourself how much of it you missed because you were doing something else, hi! – mcs). It's amazing how much I can get with rabbit ears. WFSB-3 in the June 6 opening was not only completely wrecked, making it unwatchable, but had 2 floaters at 2 different occasions. There was heavy interference on cable, too. I had 2 TVs hooked up and around 1815 I enjoyed watching WFMY-2 on one and WSB on the other, until both went to WSB. I took some pictures, hope they come out so I can send them to into Photo-News. That's all for now, t2ul – Adam

Keith K. Smith, 910 N. Larch St., Lansing, MI 48906 (517) 485-7346

vgmc@webtv.net  
 seventysixfifty@hotmail.com

5/13 tr

2200 WTLJ-54 MI Muskegon 70  
 2200 WGVU-35 MI Grand Rapids 70  
 2233 WKBD-50 MI Detroit 65  
 2300 WXSP?-27 MI relay of 15 Gr. Rapids?  
 2300 WTVS-56 MI Detroit, // cable 10 65

2300 WWJ-62 MI Detroit 73  
5/23 Es  
 1236 KBEJ-2 TX Fredericksburg 1168  
 1236 KDFW-4 TX Dallas 976  
 1635 WDIQ-2 AL Dozier 781

Not bad. 2 new fish for May. I hope June is better. BTW, I'm typing with my left arm since I broke a bone in my right forearm; lite work duty for a while. Med directions force me to stay up when I need sleep really... 73...

Please report your TV DX to VUDs columns-let us all know what you've seen! Till next time, 73s Matt.



# SOUTHERN FM DX



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

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

July 2003

## Doug Smith – W9WI –

1385 Old Clarksville Pike -  
Pleasant View, TN 37146-8098  
w9wi@w9wi.com - [www.w9wi.com](http://www.w9wi.com) -

C6 = Bahamas, CM = Cuba

### 4/30 Es

1300 XHSRO 92.5 NL Monterrey, "Best FM" 1068

### 5/9 Tr

0655 Little Rock AR various frequencies

### 5/19 Es

0930 WDDV	92.1	FL	Venice
WGMX	94.3	FL	Marathon
WRXK	96.1	FL	Bonita Springs
WAIL	99.5	FL	Key West
??	94.9	C6	Nassau, "More 94 FM"
??	96.7	CM	Havana, "R. Rebelde"
XHMZI	91.1	CI	Monclova
??	96.1	C6	Nassau, "Cool 96"

(all of the above heard on car radio in western KY)

1300 KULL	92.5	TX	Abilene, "K-Tab, coverage you can count on," KTAB channel 32 773
KLXKt	93.5	TX	Breckenridge, "K-Lakes 93-5"
KZOR	94.1	NM	Hobbs, "Z-94 KZOR" 948
KCTX	96.1	TX	Childress, ad for Livestock Commission 750

### 5/22 Es

0815 XHEC 91.9 CI Sabinas, local and Eagle Pass TX ads 1009

### 5/22 Tr

0743 KSBC	90.1	AR	Hot Springs, "90.1 The Net," local underwriters 361
0832 KCXY	95.3	AR	East Camden, Magnolia ad, local nx 380
0840 KFCM	98.3	AR	Cherokee Village, "KFCM is The River 98.3 FM" 243
0845 KUAR	89.1	AR	Little Rock 322
0845 KMSX	94.9	AR	Maumelle 318

### 5/25 Es

1630 CBC Radio One	88.3/89.1/91.5/96.1/99.1		
CBFXt	88.3	QC	Amos?, FF, \$
WCMZt	98.3	MI	Sault Ste. Marie
WUPS	98.5	MI	Houghton Lake, heard previously by tropo 558
CKFX	101.9	ON	North Bay 790
CBON24t	90.7	ON	Kapuskasing or -27 no way to tell which

### 5/29 Gw

2345 WSPP-LPt 93.5 KY Hopkinsville, "EWTN Catholic Radio," mono

### 6/30 Es

0630 KUSD	89.7	SD	Vermillion, "...located in central Sioux Falls," 688
0632 KPNO	90.9	NE	Norfolk, underwriters in Columbus & Norfolk 673
0635 KPLO	94.5	SD	Reliance 840
0640 KLNDt	89.5	SD	Little Eagle, local gossip, Native American mx
0654 KMLO	100.7	SD	Lowry 907
0659 KESD	88.3	SD	Brookings 763
0659 KDPR	89.9	ND	Minot 1081
0700 K203CK	88.5	ND	Bismarck, WYFG legal ID, only BBN transmitter on 88.5 in Midwest, 200 watts 1005
0722 KIKC	101.3	MT	Forsyth 1203
0728 KUQL	98.3	SD	Wessington Springs, "Huron, South Dakota, time to rise and shine!" sung, "Cool 98." 783
0729 KDZN	96.5	MT	Glendive, "KDZN, Glendive's hot new Country" 1168

5/30 Tr

0655 WEDJ	107.1	IN	Danville, Indy ads 236
1000 KBHI	107.1	MO	Miner, legal ID, "The Zone," modern r 149

I suspect the Es was in all night on the 29<sup>th</sup>/30<sup>th</sup>.

Opening on the 25<sup>th</sup> was interesting. I'd been participating in the CQ WPX ham radio contest and was surprised to contact a handful of European stations in early-mid afternoon on 28 MHz. It was well past when any propagation to Europe would normally be over, and in any case the sunspot numbers lately haven't been nearly good enough to support trans-Atlantic signals on that band via F2-skip. All the Europeans were in adjoining countries – Czech Republic, Hungary, Slovakia, Croatia and Serbia/Montenegro. This is presumably 4Es. The 99.1 signal on that date was probably Toronto. If I'd realized it at the time I would have taken more care to get a parallel, and to find other area stations. I've seen CKVR-3 many times but never had an identified signal from Toronto.

**FMDXWEB.COM...Click it!**

## Fred Laun

5801 Huntland Road  
Temple Hills, MD 20748  
[k3zo@verizon.net](mailto:k3zo@verizon.net)

Denon TU-800 tuner, Winegard antenna @35'

### 5/30 Es

0626 KSCR	93.5	MN	Benson, "K 93.5 FM" 1053
0628 KSTP	94.5	MN	Minneapolis, "KS95" 936
0636 KJJK	96.5	MN	Fergus Falls, "KJ Country" 1094
0643 CKSB7	93.5	ON	Kenora, CBC French, confirmed FF by VE3JJX 1148
0655 WJMC	96.1	WI	Rice Lake, Rice Lake ads 890



0810 KBHT 93.5 TX Crockett, Crockett ads 1182

## Eric Bueneman – NOUIH

631 Coachway Lane  
Hazelwood, MO 63042-1347  
[NOUIHEric@aol.com](mailto:NOUIHEric@aol.com)  
<http://www.qsl.net/nOuih>

Realistic STA-90 AM/FM/FM Stereo receiver,  
Radio Shack VU-210XR with Radio Shack  
Archerotor at 35' (10.6 meters) AGL. All times  
CDT, all distances in miles/kilometers

### 5/25 Es

1651 WBUF	92.9	NY	Buffalo, "Buffalo's Rock Station," calls, local ads, P 665/1070
1656 WKLB	99.5	MA	Lowell, local ads, legal ID 1020/1642
1659 WVPS	107.9	VT	Burlington, "Vermont Public Radio," underwriting, legal ID 965/1553
1700 WXKS	107.9	MA	Medford, "Kiss 108," CHR, 1040/1674
1705 CBFX	100.7	PQ	Montreal, "Radio Canada," promo, over KFNS 970/1561

### 6/9 Es

2003 KFLR	90.3	AZ	Phoenix, Christian teaching pgm, KWUR nulled 1255/2020
2050 XHSRO	92.5	NL	Monterrey, local ads in SS 1075/1730
2223 XHUA	90.1	CH	Chihuahua, Nortena mx 1140/1835

The first E-skip opening since 2001 brought several new stations into this QTH. WBUF 92.9 was a big surprise; the only other Buffalo area

catches have been via trop (WDCX 99.5 plus two UHF TV stations). WVPS and WXKS were battling it out on 107.9 (thanks to Adam Rivers for clarifying the slogan for WXKS). WVPS is only the second Vermont stations heard at this QTH (the other one heard was WEZF 92.9, also from Burlington, on July 11, 1996). CBFX was another pleasant surprise, with the second CBC French network; the other CBC French station is on 95.1. I have heard on Glenn Hauser's "Continent of Media" that the CBC has been having signal problems with their 88.5 CBC Radio One (EE) outlet in that city. I'm not surprised I haven't heard it here, even with WGCA and KUMR parked there, and a local parked on 88.7.

The second E-skip opening didn't get far into the FM band; it stopped at 92.9 MHz. Skip signals had a hard time getting through KGRC. Likewise, with skip signals on 92.7 getting through KLOZ/WQLZ. It was mostly a TV event. As of 6/10/03, 685 FM stations have been heard at this location. 73, Eric (NOUIH)

## John Tudenham – 2824 Missouri Joplin, MO 64804 - CDT

Onkyo tuner, 6 element Radio Shack yagi

### 6/13 Es

1845 KQOL	93.1	NV	Las Vegas, o, "Kool 93.1" 1145
1855 KKLZ	96.3	NV	Las Vegas, local ads 1145
1903 KMZQ	100.5	NV	Henderson, "Light 100.5," ID 1138
2000 KOSO	93.1	CA	Patterson, Modesto and Sacramento ads 1458

KOSO is my best FM DX catch yet at 1458 miles. It appears to be a long single hop.

## William McGuire – 2412 59<sup>th</sup> Place Cheverly, MD 20785-2918

DX-398

### 4/30 Tr

2030 unID	92.9	??	??, heard car ad mentioning Hampton Roads area, "Oldies 92.9"
2038 WZBH	93.5	DE	Georgetown, "The Beach"
2047 WFBR	94.3	MD	St. Michael's, k, "The Shore's Best Country"

### 5/1 Tr

2040 WCEI	96.7	MD	Easton, "Delilah," ID
2122 WRAR	105.5	VA	Tappahannock, Madonna song, ID
2135 WAFX	106.9	VA	Suffolk, "The Fox"

### 5/8 Tr

2125 WFAL	104.5	VA	Falmouth, "Thunder 104.5"
-----------	-------	----	---------------------------



5/20 Tr2128  
WNVZ 104.5 VA Norfolk, "The best music on Z-104"  
2135 WRVQ 94.5 VA Richmond, Richmond ment ID  
2146 WDSD 92.9 DE Smyrna, "Delaware's Continuous Country"  
2200 WICO 97.5 MD Salisbury, "Cat Country"  
2228 WESR 103.3 VA Onley, PSA, SID  
2233 WWFG 99.9 MD Ocean City, "Froggy 99.9"  
2300 WCMS 100.5 VA Norfolk, "The New 100.5," ID, k  
2319 WJKS 101.7 NJ Canton, "Kiss 101.7"  
2324 WIOQ 102.1 PA Philadelphia, "Q-102"  
2330 WMGK 102.9 PA Philadelphia, "102.9 MGK"  
2340 WOGL 98.1 PA Philadelphia, local ads, "Oldies 98.1"  
2345 WGRQ 95.9 VA Colonial Beach, "Virginia's Rocking Oldies"  
2351 WSTW 93.7 DE Wilmington, ad, ID  
5/21 Tr  
0012 WMMR 93.3 PA Philadelphia, ID  
0016 WYSP 94.1 PA Philadelphia, "WYSP Rocks"  
0025 WPST 97.5 PA Philadelphia  
0031 WJJZ 106.1 PA Philadelphia, j  
0036 WLWV 105.5 MD Salisbury, "The Wave"  
5/29 Tr  
2100 WQHQ 104.7 MD Ocean City, ID, Delilah  
6/3 Tr  
0650 WTDK 107.1 MD Federalsburg, "The Duck," o  
0700 WOLC 102.5 MD Princess Anne, "Joy 102.5"  
6/9 Tr  
0010 WICO 97.5 MD Salisbury, "Cat Country"  
0100 WZEB 101.7 DE Ocean View, ID//95.3  
6/10 Tr  
2107 WKXW 101.5 NJ Trenton, "New Jersey 101.5"  
2117 WOCQ 103.9 MD Berlin, "OC104," hip-hop  
2205 WGBG 98.5 DE Seaford, "Big"  
2224 WAAI 100.9 MD Hurlock, PSA, ID  
2230 WPTE 94.9 VA Virginia Beach, "The Point"  
6/12 Tr  
0030 WWWV 97.5 VA Charlottesville, "3WV"

\*\*\*\*\*  
**Kevin Redding** – Gilbert/Southern Mesa, AZ

Modified Hafler 330 tuner with APS-9 antenna @ 35'

5/29 Es  
1026 unID 88.1 ?? ??, Mexican station running a talk show  
1031 ??LQ 90.1 ?? ??, Mexican station heard only with "LQ," only LQ I know is on AM...XELQ Morelia, perhaps a repeater of theirs  
1050 unID 92.9 ?? ??, Mexican stn w/talk, then tropical mx

5/30 Tr  
1218 KNNB 88.1 AZ Whiteriver, on the Apache reservation, being interfered with by an unID Es stn

1218  
5/30 Es  
1211 unID 88.5 ?? ??, NPR station  
1216 CFRY 93.1 MB Portage La Prairie, spots, wx w/temps between 15-21 Celsius  
1218 unID 88.1 ?? ??, ad for Big Sky Resort

1232 KEYA 88.5 ND Belcourt  
1245 CFRY 93.1 MB Portage La Prairie, wx  
1255 CFOX 94.1 SK Yorkton, "The Fox"  
1258 KZWY 94.9 WY Sheridan  
1300 CFMC 95.1 SK Saskatoon  
5/31 Es  
0905 XHPI 93.1 JA Guadalajara, ID  
6/4 Es  
0831 KCUR 89.3 MO Kansas City  
0837 KKFI 90.1 MO Kansas City  
6/5 Es  
1100 KRTS 92.1 TX Houston, "K-arts," TOH ID  
1103 KKRW 93.7 TX Houston  
1107 KUHF 88.7 TX Houston  
1109 KPFT 90.1 TX Houston  
1113 KVRT 90.7 TX Victoria, "South Texas Public Radio"  
1119 KMJZ 95.1 OR Bend, smooth j  
1118 KVICt 95.1 TX Victoria, brief wx rpt  
6/6 Es  
0909 unID 93.9 ?? ??, black preacher and black Gospel mx  
0913 KOYN 93.9 TX Paris  
0931 KEWL 95.1 TX New Boston, "Cool 95.1"  
0945 KBPW 88.1 AR Hampton, ad for tractor company in El Dorado. Notable quote: "Wal-Mart puts principles before profit."  
6/9 Es  
0900 unID 88.9 ?? ??, Radio Canada FF giving number for testing of the station on this frequency, 1-800-667-1019. Unusable number in the USA, would love to know who this is.  
0901 unID 95.3 ?? ??, news  
0903 KTHC 95.1 MT Sidney  
0906 KCOM 95.7 MT Scobey  
0907 unID 95.7 ?? ??, CBC  
0916 KBTO 101.9 ND Bottineau, "Sunny 101.9"  
0920 unID 96.5 ?? ??, "The Blaze"  
0928 KYYX 97.1 ND Minot, "Kicks Country"  
0929 CBKF 97.7 SK Regina, FF  
0933 unID 96.1 ?? ??, k  
0937 unID 99.3 ?? ??, k  
0939 KGHL 98.5 MT Billings, ad for Dr. Frank Johnson  
0941 KDLY 97.5 WY Lander  
0943 KKBR 97.1 MT Billings, "K-Bear radio"  
0946 unID 95.1 ?? ?? CBC FF  
0947 unID 94.7 ?? ??, playing Don Williams "The Ballad of Me"  
0949 CKLF 94.7 MB Brandon, "Star"  
0955 CFMC 95.1 SK Saskatoon, "C-95 Summer in Saskatoon"  
0958 unID 95.7 ?? ??, CBC classical mx  
1000 KXEI 95.1 MT Havre  
1005 KTZZ 1005 MT Conrad, "Z-97"  
1016 CIMG 94.1 SK Swift Current, "The Eagle"  
6/13 Es  
1110 KOYN 93.9 TX Paris, "Coin 93.9"  
1114 unID 95.3 ?? ??, playing **very old** country  
1137 KMZE 92.1 OK Woodward, "Z-92"  
6/14 Es  
1000 KDCR 88.5 IA Sioux Center, SRN & story about turning off the street lights for lack of money  
1059 KEYA 88.5 ND Belcourt, ID  
1100 KBEM 88.5 MN Minneapolis, "Jazz 88," ToH ID  
1732 KNDK 95.7 ND Langdon, "Kicks 95.7"  
1741 KKWQ 92.5 MN Warroad, "KQ-92"

1755 unID	94.7	??	??, NASCAR
1848 unID	93.1	??	??, alternative
1855 KSCR	93.5	MN	Benson
1857 KFML	94.1	MN	Little Falls
1918 WBZQ	95.1	IL	Decatur, ""Q-95 FM"
1920 CFQC	92.9	SK	Saskatoon
1953 unID	95.1	??	??, Z-jam Christian mx
2000 KMMS	95.1	MT	Bozeman
2000 KXEI	95.1	MT	Havre
2002 KTZZ	93.7	MT	Conrad
2006 CFMY	96.1	AB	Medicine Hat, "Sorensen Pontiac," "My 96"
2011 KLFM	92.9	MT	Great Falls
2016 CIMG	94.1	SK	Swift Current
2023 CBW	98.3	MB	Winnipeg
2025 CKUA2	99.3	AB	Lethbridge
2028 CKUA6	101.3	AB	Red Deer
2030 KCTR	102.9	MT	Billings
2032 KMTX	105.3	MT	Helena
2038 CFRV	107.7	AB	Lethbridge
2044 KNDZ	105.1	MT	Billings



2053 KHKR	104.1	MT	West Helena
2056 unID	98.9	??	??, k
2104 CHKF	94.7	AB	Calgary
2115 CKUA	93.7	AB	Calgary, j
<u>6/15 Tr</u>			
1911 KZUA	92.1	AZ	Holbrook, Diamondbacks bb
1913 KUYI	88.1	AZ	Hotevilla, Hopi Reservation
<u>6/16 Es</u>			
1116 XHXL	91.7	NL	Monterrey
1121 XHTEC	94.9	NL	Monterrey
1130 XHAAA	93.1	TM	Reynosa
1132 XHEC	91.9	CL	Sabinas
1137 XHQC	93.5	CL	Saltillo
1204 KAYK	88.5	TX	Houston
1219 KPFT	90.1	TX	Houston
1221 KTRU	91.7	TX	Houston
1223 KCOL	92.5	TX	Groves
1227 KKBQ	92.9	TX	Pasadena

+++++

**John Zondlo** – 4009 Driftwood Circle – Yukon, OK 73099 – CDT – All New

Akai AT-VO4 tuner (modified w/2 110 filters), Stereo Probe 9

6/9 Es

1105 XEHU	104.5	VC	Martinez de la Torre, city nx
1118 XERFR	103.3	DF	Mexico City, "R. Formula"
1201 XHSS	91.9	SLP	San Luis Potosi, ID
1203 XHJTA	94.3	GN	Irapuato, ID
1213 XHNNH	95.1	GN	Irapuato, "Golden"
1914 KVLG	101.1	NM	Hatch, "101 Gold," o
1929 KPLD	101.1	UT	Kanab, "The Planet," // 94.3

6/10 Es

0847 KHIX	96.7	NV	Carlin, "Mix 96.7"
0915 KZIN	96.7	MT	Shelby, local sheriff rpts

1002 KYPL	91.1	WA	Yakima, "Positive Life Radio"
1851 CKJX	95.9	ON	Ajax, "KX-96"
1922 XHLNC	90.7	BCN	Tijuana, "Excellency 90.7"
1930 XHFA	89.3	CI	Chihuahua, "La Poderosa"
1947 XHIN	95.3	SN	Culiacan, city nx

This pretty much wraps up an era in my DXing history here. The Probe 9 (actually half of one, mounted on a nightstand in the loft of my home) has been retired in favor of my first outdoor antenna, an APS-9B. I'm living proof that you don't have to have a huge outdoor antenna array to get great reception....tho it doesn't hurt, of course. Actually, the big reason for going to the new antenna is that my wife wants the Probe 9 out of the loft cause the loft doubles as our kid's schoolroom. Conditions have been pretty poor since finally completing the set up, but what I've noticed so far in being able to hear a few semi-locals much better bodes well for the APS-9B. If you'd like to see all that went into putting up the antenna, go to FMDXWeb.com and click on An Antenna Story. And if anyone ever tells ya putting up an outside antenna is easy, don't believe them!

\*\*\*\*\*



From  
the  
Editor

Great support for the column, y'all! Please keep the reports coming. So far this season is shaping up a lot better than the last couple.

E-mail reports are easiest to handle here, but I certainly do appreciate all of you who still use snail mail. The bottom line is: Report!

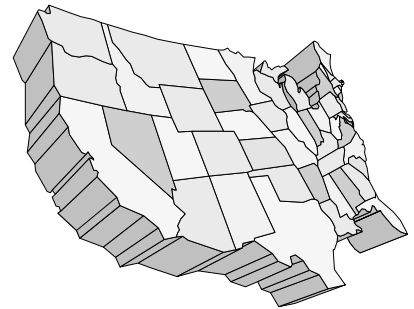
See y'all next month!



Kevin Redding's Antenna System in Mesa, Arizona

# Western TV DX

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



Welcome New Reporter

**Kevin Redding**, Corner of Gilbert and Southern,  
Mesa, Arizona

Equipment: 1994 Magnavox 13" color set and  
Radio Shack VU-190XR antenna with Channel  
Master 3042 amp.

May 29 2003 Es  
0818 UNID 2 XEW relay  
0836 UNID 2 Televisa relay  
0841 UNID 2 Azteca 7 relay

May 30 2003 Es  
1217 CKCK 2 SK, Regina with CTV and Kia  
ad, Buy a Kia and get 500L gas free.

May 31 2003 Es  
0843 UNID 2 MEXICO, yellow ball in a red  
circle for bug lower left corner.

June 4 2003 Es  
0829 WSMV 4 TN, Nashville yellow 4 with  
peacock  
0913 KBEJ 2 TX, Fredericksburg  
0920 KJRH 2 OK, Tulsa

June 5 2003 Es  
1040 KPRC 2 TX, Houston  
1055 KBEJ 2 TX, Fredericksburg // KENS 5

June 6 2003 Es  
0855 2 MEXICO Televisa relay  
0904 WMAB 2 MS, Mississippi State PBS  
1018 KETS 2 AR, Little Rock PBS  
1036 KFDX 3 TX, Wichita Falls

June 8 2003 Es  
0840 KTVQ 2 MO, St. Joseph  
0901 KJRH 2 OK, Tulsa  
1658 unID 2 Mexico, Azteca 7

June 13, 2003 Es  
1025 KDFW 4 TX, Dallas "Fox 4 "  
1030 KDTN 2 TX, Denton PBS  
1100 KETS 2 AR, Little Rock

June 14, 2003 Es  
0915 KBEM 3 ND, Bismarck Prairie Public TV  
0920 KTVQ 2 MT, Billings Montana  
Academic Challenge  
0941 KSFY 4 ABC from somewhere in the  
Dakotas. Sioux Falls ?????

June 15, 2003 Es  
1712 KGFE 2 ND, Grand Forks  
"Prairie Public Television"  
1717 UNID 4 CBS  
1912 KDLHt 3 MN, Duluth 1910 with ads.  
No ID.  
1926 CKCK 2 AB, Regina ad for Cupar  
Sportsground.  
2002 KTVQ 2 MT, Billings news  
2020 KPRY 4 ND, Pierre relaying KSFY

**Morris Sorensen** Winnipeg MB

Equipment: 1983 RCA b&w portable wth 1950,s era  
Channel Master indoor antenna

May 2003 CDT

23 Es 2003 WKRN-TV Nashville TN new 1081  
25 Es 1700 WGRZ Buffalo NY relog 995

**Marvin Shults**, R.R.#1, Toulon, IL 61483

February 25 2003 Es  
25 Es 1812 XEFB 2 NL  
1812 XETt 6 NL  
1834 XHAE 5 CL?  
1845 XHPN 3 CL  
1848 KIII 3 TX  
1909 KRGV 5 TX  
1915 XHCH 2 CI  
1929 WPBT 2 FL  
2007 XHTAU 2 TM

April 2003  
28 Es 1916 CFAP 2 QC  
1919 WLBZ 2 ME  
30 Es 1526 KVWJ 2 T X

May 2003  
10 Es 1442 X 2  
1454 KPRC 2 TX  
1455 KIII 3 TX  
13 Es 1404 2,3,5 SS  
1407 KIII 3 TX  
1424 XEFB 2 NL  
1433 XHWX 4 NL?  
1455 KACB 3 TX  
1457 KENS 5 TX  
1504 KBEJ 2 TX  
1514 XHIT 4 CI  
1522 XHFIt 5 CI  
1532 XHAE 5 CI  
1533 KMID 2 TX  
1636 XHTAUt 2 TM  
1749 XHQRO 2 QR ID U.R.  
1819 KGBT 4 TX  
1820 KRGV 5 TX  
14 Es 1939 WPBT 2 FL  
17 Es 1927 KMID 2 TX  
18 Es 1515 CJRT 2 QC  
1515 CKLT-1 3 NB  
1529 WLBZ 2 ME  
19 Es 1447 XHQROt 2 QR  
20 Es 1414 X 2  
1704 KDKA 2 PA  
1711 WMAR 2 MD  
1714 WCBS 2 NY  
2000 WPBT 2 FL  
22 Es 1757 KPRC 2 TX  
1941 KWGN 2 CO  
2003 KUPN 3 CO

	2024	KBEJ	2	TX
	2033	KACV	2	TX
	2050	X	3	
	2100	KMID	2	TX
25 Es	0808	WPBT	2	FL
	0810	WESH	2	FL
	0848	XEFB	2	NL
	0900	KIII	3	TX
	0908	KBEJ	2	TX
	0917	KRGV	5	TX
	0920	XHAE	5	CI?
	0923	XHPN	3	CL?
	0928	KPRC	2	TX
	0930	KGBTt	4+	TX
	0934	XHAE	5	CI
	0936	XHITt	4	CI
	1259	WPTV	5	FL
	1526	WUFT	2	FL
	1558	WCSCt	5	SC
	1730	WTKR	3	VA
	1800	WPBT	2	FL
26 Es	0930	XEFB	2	NL
	1447	WUNC	2	NC
	1716	X	2	Novella "Maje"
27 Es	0730	XEFB	2	NL
	0733	KBEJ	2	TX
	0807	KACB	3	TX
	0808	X	3	
	0829	X	4	
	0838	XHFI	5	CI
	0844	KMID	2	TX
	0848	XHCH	2	CI ID U.L.
	0914	WPBT	2	FL
	0928	WESH	2	FL
	1117	KNAZ	2	FL
	1135	KTLFt	4+	AZ Rel.
	1335	KUVT	2	UT
	1416	XEFE	2	TM
28 Es	1232	XEFB	2	NL
	1317	KMID	2	TX
	1425	KASA	2	NM

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

This report is for May 2003. As spring came on, southern California coastal tropo increased somewhat, for TV-FM to San Diego/Tijuana, up to 200mi/320km. As is the pattern, when the temperatures start heating up inland (away from the vicinity of the ocean) but staying cool near the water, the resulting inversion layer boundary increases the tropo.

May 1: Poor  
 May 2-9: None (May 2-3 rain)  
 May 20-14 am: Variably very poor/poor  
 May 14 aft-18 am: None (Weather front)  
 May 18 eve: Very poor  
 May 19 am: Poor  
 May 19 eve: Good (Hot temps inland,  
 May 20 am: Poor first of the season)  
 May 20 eve: Good  
 May 21-22: Variably fair/good  
 May 24-27: None  
 May 28 am: Poor  
 May 28 eve: Good  
 May 29: Fair  
 May 30-31: Variably poor/very poor  
 June 1 am: Fair

Best of DX to All.		Dennis	
<hr/>			
<b>William Eckberg</b> , 1032 Sterling Rd., Dixon, IL 61021			
<u>March 2003</u>		CST	
14 tr	2035	WOAC	67 OH 417
<u>April 2003</u>		CDT	
25 Es	2105	XEFB	2 NL 1282
<u>May 2003</u>		CDT	
1 Es	2155	KPRC	2 TX 893
	2205	KIII	3 TX 1072
	2220	KRGV	5 TX 1189
	2245	KEBJ	2 TX 952
13 Es	1510	KACB	3 TX 933
	1515	KBEJ	2 TX 952
	1525	KRGV	5 TX 1321
	1550	XHAE	5 CL 1305
	1605	KMID	2 TX 967
	1800	XEFB	2 NL 1282
	1805	KIII	3 TX 1072
	1820	KGBT	4 TX 1183
18 Es	1515	CFAP	2 PQ 938
	1615	WLBZ	2 ME 1030
		WCAX	3 VT 821
	1630	CKCW	2 NB 1221
	1700	CJBR	2 PQ 1085
	1705	WFSB	3 CT 842
19 Es	0950	KIII	3 TX 1072
		XEFB	2 NL 1282
	1105	WEDU	3 FL 1031
	1110	WFOR	4 FL 1229
		WPTV	5 FL 1168
	1120	WTVJ	6 FL 1229
	1125	KPRC	2 TX 892
	1225	KRGV	5 TX 1189
	1300	KBEJ	2 TX 952
		WPBT	2 FL 1229
	1305	XHHUPN	2 TM 1201
	1400	KDTN	2 TX 719
25 Es	1100	WEDU	3 FL 1031
	1120	WSB	2 GA 610
	1130	WESH	2 FL 983
27 Es	1145	KNAZ	2 AZ 1258
	1205	KOAA	5 CO 828
	1235	KWGN	2 CO 811
	1240	KREX	5 CO 1006
	1305	KUTV	2 UT 1139
	1310	XEFB	2 NL 1282
30 Es	0655	WPBT	2 FL 1229
		WESH	2 FL 983
		WEDU	3 FL 1031
	0700	WFOR	4 FL 1229
	0705	WJXT	4 FL 895
	1000	CFAP	2 PQ 938
		KWGN	2 CO 811
	1025	CKCW	2 NB 1221
	1125	KNAZ	2 AZ 1258
	1135	KASA	2 NM 972

An Indian Head-type TP was seen at 0040 March 29 over WGN-9 for three seconds via MS. The object at the top, I am 80% certain, was an Indian. No lettering was noted as is on the identical TP from Regina-2. Offset was plus as WGN-9. Ample signal strength, allowing it to float over WGN-9 at 88 mi, indicates the signal was to the east or E.N.E. The directivity of the CM1110 on chs 7-13 makes this a safe assumption. Assuming a beamwidth of 80 degrees, a distance of 500-1200 mi, common for MS reception, and a plus offset, only five stations are possible: Secaucus, NJ; St. John, NB; Ottawa, ON; Sudbury, ON; and Rw-Du-

Loup, PQ. Does any station air such a TP early Saturday mornings? The night before, meteors were penetrating homes in Chicago. A rare event, possibly a significant meteor shower.

I missed logging a possible double-hop station at 2330 on May 24. Reception was alone and for ten minutes. The ID flashed left of top center briefly. I thought the ID ended with the letters "WO". XEWO-2 Guadalajara, GR is 1700 mi distant. Also I may have seen Cancun-2 on another date.

I saw a possibly-new ch. 3 ABC station to the SW. The call letters flashed in the lower right at 2035 on May 26 and are not listed. I will wait for the return of a photo. It was an unlucky month, I saw four possibly-new stations, as described, two of which I will never see again.

A ch. 2 DTV signal has regularly wiped out ch. 2 when Es in in from the FL area. The same happened once on ch. 4. I have no converter, but it is the first DTV skip seen. The screen turns white and all Es are gone on the ch. at times.

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

May 2003 CT

1 Gw 0650 WVLA-DT 34 LA 10  
 tr 0657 unid DT brief sync lock on 36 to NE  
 0702 WVTM-DT 52 AL 330  
 0703 WTJP 60 AL 390  
 2254 KADN-DT 16 LA 55  
 2 Es 2025 unid 4 NBC briefly  
 5 tr 0645 XHAB 7 TA 505  
 7 Es 1936 unid 4 SS  
 tr 2353 KEDT 16 TX 425  
 8 tr 0649 WCBI-DT 35 MS 425  
 0653 KATV 7 AR 305  
 0654 KLRT 16 AR 305  
 0655 KVTH 26 AR 295  
KASN 38 AR 270  
KWBF 42 AR 305  
 2134 KENS 5 TX 445  
 2219 KEDT 16 TX 425  
 2223 Austin 36, 42, 54 395  
 2224 KNVA-DT 49 TX 395  
 2230 KVDA 60 TX 445  
 2235 KAKW 62 TX 390  
 2244 KWTX-DT 53 TX 365  
 9 tr 2223 KHOU-DT 31 TX 255  
 10 Es 2001 WPBT 2 FL floating 745  
 2127 unids 3-5  
 tr 2335 WCBI-DT 35 MS 3 pgms 425  
 11 tr 0022 WVTM-DT 52 AL 330  
 0042 KFTH-DT 36 TX Telefutera  
 0051 KTRK-DT 32 TX Note 1255  
 2103 WCBI-DT 35 MS Note 2425  
 2107 WTOK-DT 49 MS 195  
 2126 WUNC-DT 59 NC WOW!  
 Note 3 795  
 2129 WLFL 22 NC wx crawl 822  
 2138 WRAZ 50 NC pgm match,  
 logo 810  
 2141 WHSG 63 GA 490  
WRJM 67 AL 320  
 2142 WUPA 69 GA 455  
WABM 68 AL 335  
 2143 WAXN 64 NC Chris  
 Matthews 700  
 2149 WFPX 62 NC Pax 780

WNCN-DT 55 NC Note 4 835  
 2151 WUNG 58 NC PBS// 59  
 DT! 700  
 2158 WACH57 SC Seinfeld, ID640  
 2201 WAGT26 GA local nx, ID 580  
 2210 WKFT 40 NC religious  
WBSC 40 SC Note 5570  
 2214 WUPA-DT 43 GA 455  
 2215 WJSU 40 AL local nx385  
 2218 WNCN 17 NC local nx,  
 videotaped 835  
 2223 WCES 20GA GPTV545  
 2228 WATL 36GA WB 36455  
 2230 WNEH 38SC SCETV ID585  
 2234 WRAL-DT 53 NC 810  
 2237 WPGA 58 GA 460  
 2240 WTVD-DT 52 NC "First Alert  
 11" 805  
 2258 WSST 55 GA ID 445  
 unid 51 DTV  
 2324 WRLK 35 SC SCETV 640  
 2329 WMGT 41 GA Sports  
 Machine 470  
 2334 WJSP 28 GA color bars 390  
 2339 WGXA 24 GA "Pyramid" 470  
 2345 WGCL 46 GA CBS 46 455  
 2349 unid 43 ACN to East  
 0030 WGNM 64 GA ID470  
 0034 WQHB 63 SC Note 6 675  
 0049 unid 40 DTV  
 0052 WEBA 14 SC Note 7605  
 0102 WCIQ 7 AL  
 APT color bars 375  
 0106 WEAR 3 FL sign off 230  
 0131 WHMC 23 SC "SCETV"745  
 0142 WITV 7 SC "SCETV"  
 floating 680  
 0153 WDCO 29 GA CB's // 28480  
 0700 WTWC 40 FL "NBC 40" 405  
 0710 WTLH 49 GA "Fox 49" 390  
 0715 WFSU 11 FL 405  
 0727 unid 42 DT sync lock  
 0733 WJWB 17 FL weak560  
 13 Es 1840 unids 3, 4 SS  
 1845 KSWK 3 KS 760  
 1846 MUF 5  
 1855 KLBY 4 KS "KAKE 10"  
 ID 845  
 14 tr 0652 KXAM 14 TX news445  
 0657 KTHV 11 AR 305  
KLRT 16 AR 305  
 15 tr 2339 XHAB 7 TA 505  
 2340 KVEO 23 TX 500  
 2355 KYLE 28 TX 310  
 2358 KXAN 36 TX 395  
 16 tr 0642 KEDT 16 TX 425  
 0650 KNWS-DT 52 TX 255  
 22 Es 2022 unid 4 SS briefly  
 25 Es 1101 unid 4 CBC, "Moving On"  
 1146 WPSX 3 PA  
 bug lower right 975  
 1154 CICI 5 ON 705  
 area code, CTV 1235  
 1216 WTAEt 4 PA ABC  
 1230 unid 6 CTV, Ottawa area mentions  
 1322 CKVR 3 ON ID1130  
 1512 unid 6 Global  
 1545 CHRO 5 ON ID,  
 "new RO" (still?) 1305  
 1645 WRAL 5 NC wx crawl 810  
 1646 WSKY 4 NC 757

area code, pgm match 970  
 1731 WTKR3 VA ID, local nx 960  
 26 Es 0947 unid 4 SS

Notes

- 1 – The weakest of the Houston DTV's. Usually most days when all the others are in, I only get a flicker out of this one.
- 2 – I don't know what it is about WCBI reception at night, but it's always led to great DX. A couple of years ago it led to fantastic KY UHF reception, now NC!
- 3 – When this popped up on the Hauppauge card, I couldn't believe it. Five programs! Where did this come from? Already beat my previous tropo record by 30 miles; and it was still early. See my Photo News for screen captures.
- 4 – New tropo distance record! Two programs, WNCN-DT and WNCN-SD.
- 5 – Financing infomercial. Confirmed in email from station.
- 6 – SC armed forces ad, and program match.
- 7 – "Technical Difficulties – Please Stand By" slide, with "SCETV."

Okay, now I really like DTV DXing! Always clear ID's, and instantaneous (with the PSIP info). This is the first time I've set a club record – I could hardly believe it when I saw it!

---

**Michael Hawk, Omaha, NE**

Equipment: Toshiba 36" Cinema Series; Radio Shack corner reflector on the balcony

5/3/2003 Tr

0730 KTTW 17SDSioux Falls, Fox  
 0745 K38DU 38 IA Sioux City, TBN  
5/14 Tr  
 0530 KAAS 18 KS Salina, "Fox Kansas"  
 0545 K21AP? 55 KS Topeka, presumed w/  
 TBN  
 0600 KFXB 40 IA Dubuque  
 0708 K56AF 56 IA Clarinda, KMTV-3 xltr  
 0710 K60AK 60 IA Clarinda, KETV-7 xltr  
 0720 K66AL 66 IA Clarinda, WHO xltr

5/18/2003 Tr

1800 KWCV 33 KS Wichita, WB33  
 1935 KOKH 25 OK Oklahoma City, Fox 25

FM DX is still my primary interest, but Matt Sittel's enthusiasm for TV has been wearing off on me. I still have a pathetic VHF system, but my UHF antenna doesn't do too bad. I currently live in an apartment facing south and am totally blocked to the north and have significant blockage due east and west, so my DX horizon is pretty limited. Regardless, there are enough targets out there to keep things interesting this season!

---

**Danny Oglethorpe, P.O. Box 8025, Shreveport, LA 71148-8025**

E-mail: doglethorpe@yahoo.com  
 Mexico TV ID website:  
<http://www.geocities.com/doglethorpe/>

Equipment: Various TVs and VCRs; Winegard CA-5254 VHF at 18 ft agl RG-6; Winegard PR-5040 VHF at 12 ft agl RG-11; Finco Y10-2 10 element channel 2 yagi at 11 ft agl RG-6; Antennacraft P-5 chicken-wired dish with Winegard AP-4700 preamp

at 22 ft agl to feedpoint RG-11. All antennas on CM 9510 rotors, except Finco channel 2 is on RS 15-1245.

Es: Only the most-productive and/or most interesting skip is reported.  
 Tropo: No relogs under 400 miles; no LPTV relogs under 200 miles.

Time listed for Mexico TV is ID time.

MARCH 2003 CT

27 tr 2030 Valley 4, 5, 7, 9, 17 (through local DTV), 23, 40 (through local LPTV), 60 500+  
 28 tr 0025 XHMOY22 NL Monterrey (Assumed)  
 611

APRIL 2003 CT

7 tr 0115 K15AA 15 OK Hugo (OETA bars) 151  
 0140 K46AI 46 OK Durant (OETA bars) 187  
 0330 KUIL 66 TX Jasper Note # 1 104  
 14 tr 0100 Valley 5, 7, 9, 11 (TV Azteca bars), 17 (through DTV), 23, 48, 60  
 15 Es1820 YSR 2 El Salvador(Tele2) 1324  
 22 Es0923 XHHMA 2 SON Hermosillo (Four-line ID supered upper right)  
 0950 XHI 2 SON Cd Obregon(Logo, "Buenos Dias" local nx with PDT time lower right)  
 1004 XHHSS 4 SON Hermosillo (Two-line ID supered upper right)  
 1010 XHCH 2 CHIH Chihuahua(Two-line ID supered upper left)  
 1035 XEFB 2 NL (Temp/time supered lower right; circle-2 logo)  
 1102 XHDI 5 DUR Durango (Four-line ID superer upper right)  
 1129 XHQ 2 SIN Guamuchil(XHQ-3 circle-3 logo, Culiacan ads)  
 1155 unID 5 (Note # 2)  
 1228 XEWO 2 JAL Guadalajara(Four-line ID supered upper left)  
 1915 WESH 2 FL  
 1920 WPBT 2 FL  
 2226 XHQRO 2 QROO Cancun(Two-line ID supered upper right)  
 2237 XHY 2 YUC Merida(Logo, SIPSE on ID, local nx, local ads)  
 2330 XHMEN 4 YUC Merida ("XHMEN-TV" supered upper right)  
 25 Es1930 XHG 4 JAL Guadalajara ("e4")  
 1933 XEFB 2 NL (Temp/time lower right; circle-2 logo upper right on old movie)  
 2055 XHGV 4 VER Las Lajas (RTV logo lower right)  
 30 Es1015 XHGV 4 VER (RTV logo lower right on local nx)  
 1017 XHAJ 5 Ver Las Lajas (Note # 3)  
 1044 XHTV 4 DF ("4TV" logo; old movie)  
 1135 XEFB 2 NL (Local talk)  
 1208 XHMTS 2 SLP Matehuala (Two-line ID supered upper right)  
 1302 XHG 4 JAL ("e4")  
 1333 XEWO 2 JAL (Four-line ID supered upper left)  
 1400 XHBQ 3 ZAC Zacatecus(Note # 4)  
 1410 WPBT 2 FL



1430 XHQ 2 SON (XHQ-3 circle-3 logo)  
 1440 Cuba(t) 2, 4 (SS educational programs)  
 1537 Cuba 2 Havana ("chvtv" ID)  
 MAY 2003 CT  
 8 tr 2130 Valley 4, 5, 7, 9, 23, 40 (Mixed with local LPTV)  
 9 tr 0150 XHLNA 2 TAM Nuevo Laredo (Assumed; TV Azteca) 483  
 13 Es 1135 XHGV 4 VER (RTV logo lower right)  
 1150 XHURT 5 MICH Cerro Burro (Three-line ID upper right)  
 1205 XHG 4 JAL ("e4"; four-line ID supered upper left 1230)  
 1315 XHPVE 4 JAL Pto Vallarta (calls supered upper left)  
 1340 XEFB 2 NL (Temp/time lower right, circle-2 logo)  
 1110 XHCH 2 CHIH (Chihuahua ads in Azteca-13 program)  
 2000 XEWO 2 JAL (Four-line ID supered upper left)  
 2012 XHBS 4 SIN Los Mochis ("Televisa Los Mochis" tag on Televisa news promo)  
 15 tr 2125 Valley VHF/UHF again  
 18 Es 1050 XHPDT 2 SON Pto Penasco (Three-line ID supered upper center)  
 1111 XHDRG 2 DUR Durango (Two-line ID supered upper right)  
 19 Es 1025 XHDI 5 DUR (Four-line ID supered upper right)  
 1045 XELN 4 COAH Torreon (Big calls across top)  
 KTVI 2 MO St Louis 475  
 WDTN 2 OH  
 DTV snow2  
 1059 WJBK 2 MI  
 1101 WTTV 4 IN Bloomington ("WB4") 597  
 WDIV 4 MI  
 1112 WCSC 5 NC  
 1120 WBBM 2 IL  
 1127 WRAL 5 NC  
 1129 WTWO 2 IN Terre Haute 604  
 1150 KMOV 4 MO St Louis (ID, local nx 1200) 475  
 WTMJ 4 WI  
 WMAQ 5 IL  
 1202 WBAY 2 WI  
 WFRV 5 WI  
 1222 KGAN 2 IA  
 1230 Flagstaff 2, 4 AZ  
 1245 Albuquerque/Santa Fe 2, 4, 5  
 20 Es 1201 XEWO 2 JAL (Four-line ID supered upper left)  
 1232 XHQ 2 SIN ("Aqui en Culiacan" and phone number on "Doctor's System" infomercial)  
 1245 unID 5 (Once/XEIPN "O" logo upper right)  
 1412 XHHSS 4 SON (Two-line ID supered upper right)  
 22 Es 0825 KNAZ 2 AZ  
 0915 KPHO 5 AZ  
 XHCH 2 CHIH (Local TV Azteca news/talk with Chihuahua mentions)

1145 XHPDT 2 SON (Three-line ID supered upper center)  
 1930 KGFE 2 ND  
 CKND2 2 MB (Winnipeg ads, nx promo)  
 unIDs 2, 4, 5 Mexico from west-southwest  
 2010 unID 5 (Once "O" logo upper right)  
 KTCA 2 MN  
 2100 KWSE 4 ND  
 2200 KXMA 2 ND

Note # 1 Thanks to Jeff Kruszka for tip, so I was looking for this one.

Note # 2 XEIPN/Once "O" logo supered upper right. The Once website has an XHSIN-5 listed in Culiacan SIN, but no other source has this station listed. The only other channel 5 Once relayers are in Aguascalientes and Cancun, according to the Once site. Website: <http://www.onctv.ipn.mx/>

Note # 3 Newest version of two-line supered ID is upper right, with "TELEVISA LAJAS" on top line. Second line reads "XHAJ-TV C-5".

Note # 4 XHBQ-3 has replaced the big supered calls with a small two-line ID upper left.

Comment: Congratulations to Jeff Kruszka for setting the new DTV distance record at over 800 miles! Also, congratulations to Girard Westerberg for receiving the first DTV ID data via Es (KOTA-DT-2)!

XHQ-2 Guamuchil SIN continues to relay XHQ-3 Culiacan, but has added four-line supered ID upper right, which shows "GUAMUCHIL SIN" as location. XHGV-4 Las Lajas VER shows a colorful logo lower right during some programs, which is the logo of owner Radio Television Veracruz (RTV). Logo is on website: <http://www.rtv.org.mx/>

JUNE 2003 CT

4 Es 0825 KNAZ 2 AZ "12 News"  
 0832 KWGN 2 CO  
 0840 WPBT 2 FL Kids logo  
 KTWO 2 WY "K2" Nx  
 0857 KLBY 4 KS KAKE-10 633  
 KCWC 4 WY  
 WYPTV logo lower right  
 0910 KCNC 4 CO  
 0913 KVVU 5 NV "FOX5 NEWS"  
 snow 2 Likely KVBC-DT-2  
 KREX 5 CO  
 0923 KOAA 5 CO "5/30"  
 0933 KUTV 2 UT  
 0935 KASA 2 NM  
 KNME 5 NM Calls lower left  
 KOB 4 NM  
 0945 KTFL 4 AZ  
 1025 KPHO 5 AZ  
 1041 KDBC 4 TX  
 1151 XEPM 2 CHIH NOTE # 1  
 2005 KNAZ 2 AZ  
 2142 XHGWT 2 BCS NOTE # 2  
 5 Es 0845 WPBT 2 FL  
 1100 KVOA 4 AZ  
 1112 KDBC 4 TX  
 1120 XEPM 2 CHIH Supered across top  
 1130 XEJ 5 CHIH Local ads  
 1135 XHCAN 4 SON NOTE # 3  
 1205 XHCH 2 CHIH Supered upper left

1240 XEFB 2 NL Circle-2 logo, temp  
(32)/time (12:40) lower right  
1330 XHDI 5 DUR Supered upper right  
1427 XHHSS 4 SON Supered upper right  
and "TV Azteca Hermosillo" ID  
1458 XEWO 2 JAL Guadalajara ad  
6 Es Many repeats from the 5th plus:  
0940 XELN 4 COAH Big calls supered  
across top  
0950 unID 5 ONCE network  
1009 XHSLT 2 SLP Supered upper right  
1037 XHIT 4 CHIH Supered upper left  
9 Es 0915 XHG 4 JAL Local news  
unID 5 // XHG-4  
0942 XHURT 5 MICH Supered upper right  
1050 XHTV 4 DF "XHTV" in bar  
1302 XHGV 4 VER RTV logo lower right  
1737 KVVU 5 NV  
snow 2  
1745 KPHO 5 AZ  
1750 KTFL 4 AZ  
1812 XHBS 4 SIN NOTE # 4  
1859 KDBC 4 TX  
KVOA 4 AZ  
1910 KTVK 3 AZ Floating  
1917 XEPM 2 CHIH Supered across top  
1928 KUAT 6 AZ Floating  
1937 XELN 4 COAH Big calls supered  
across top  
1957 KWGN 2 CO  
1958 KREX 5 CO  
KFQX 4 CO  
2015 KCWC 4 WY  
WYPTV logo lower right  
KUTV 2 UT  
2055 KNAZ 2 AZ  
2202 XEFB 2 NL  
2300 CKND2 2 MB Global Winnipeg  
news/sports  
2327 KGFE 2 ND "Prairie Public" logo  
lower right  
CHFD 4 ON "Tb Television"  
2340 CKPR 2 ON "Tb"  
KTCA 2 MN Pledge Drive  
10 Es 0040 KXJB 4 ND  
0105 WJBK 2 MI  
0110 WBAY 2 WI

NOTE # 1 XEPM-2 Juarez has moved its ID from upper right to across the top of the screen.  
NOTE # 2 ID supered upper left. Location on ID is listed as Guerrero Negro BCS.  
NOTE # 3 ID was floating on KDBC-4 El Paso. Location on ID is listed as Cananea SON.  
NOTE # 4 In 2001 XHBS-4 replaced its big calls ID with a new, small ID upper right. Now they are using the old, large calls across the top of the screen again. The old ID has been seen here twice this Es season.

**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.

May 4 tr  
0758 KDSD-16 SD Aberdeen 317  
May 14 tr  
0709 K46EY-46 IA Des Moines, TBN 128  
1730 installed replacement DTV card  
1750 KUON-DT-40 NE Lincoln(KUONHD) 28  
May 15 GW  
1729 KXVO-DT-38 NE Omaha 16  
Text ID:(KXVO DIGITAL TELEVISION)  
May 17 Es  
2010 WUND-2 NC Columbia,UNC TV 1116  
May 18 tr  
0317 KBSL-10 KS Goodland, logo 318  
0328 KELO-DT-32 SD Sioux Falls 171  
Text ID: (KEL0-DT)  
0329 KTSD-10 SD Pierre, SDPB 273  
0334 KSFY-DT-29 SD Sioux Falls 171  
Text ID: (KSFY HD)  
0659 KPNE-9 NE North Platte 273  
2105 KTBO-14 OK Oklahoma City 391  
2200 KWHB-47 OK Tulsa, religion 351  
2213 KTEN-10 OK Ada,"K-Ten News" 467  
2235 KDOR-17 OK Bartlesville 317  
2249 KTFO-41 OK Tulsa 351  
May 19 tr  
0621 KDNL-30 MO St. Louis 344  
May 20 Es  
1720 WCBS-2 NY New York, logo 1143  
1722 WMAR-2 MD Baltimore, nx 1023

KTEN is TV logging #600 for me! I couldn't null the video of KOLN-10 in Lincoln, but I was able to pull the audio through for a few minutes, enough to hear a sequence of ads for Texoma and Ardmore, and also a newscast promo. That's also my furthest logging on channel 10, topping WDIO, Duluth, MN by 30 miles. It's also my 2nd furthest high-band VHF logging; WTHR-13 Indianapolis, IN at 518 miles is the furthest. I wouldn't mind seeing that again hi! 73s, Matt.

**Frank Aden, N7SOK**, Boise ID

May 2003 PDT  
29 Es 2200 KTVK 3  
KPHO 5 AZ  
2230 XHBC 3  
XHAQt 5 BC  
30 Es 2000 KFTU 3 AZ ry KTAZ-24

June 10: Had some Es last night later in evening but Es is now MUF past ch. 6

June 11, 2003

Es was in off and on from 8am to about 9pm, very intense at times but ch. 3 seemed to go back and forth between KENW NM and XHBC BC and ch. 5 between XEJ CHI and KOAA CO.

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

May 2003 UTC  
30 Es 0258 KTVU 2 CA  
31 Es 0147 KEYT 3 CA  
0159 KCBS 2 CA

June 2003

10 Es 0127 CKCK 2 SK  
0130 CBKMT 4 SK  
0138 CBWFT 3 MB  
0158 KBME 3\$ ND  
0200 CKYB 4 MB  
0227 CITL 4 AB  
0229 CKBI 5 SK  
0230 CFRN 3 AB  
0231 CKAL-1 2 AB

0241 KTVQ 2\$ MT  
 0254 KOTA 3 SD  
 0258 KELO 3 SD  
 0300 KUSD 2 SD  
 KLNE 3\$ NE  
 0327 KXMA 2 ND  
 0331 CKND-2 2 MB  
 11 Es 0232 KRGE 3 CO  
 0259 KTWO 2\$ WY

---

**Eric Bueneman (N0UIH)**, 631 Coachway Lane,  
 Hazelwood, MO 63042-1347  
**E-mail:** N0UIHEric@aol.com  
**Web site:** <http://www.qsl.net/n0uih/>

**Equipment:** Alaron 12-inch (30 cm) black and white TV, Samsung 19-inch (63 cm) color television, Zenith mono VCR, Radio Shack VU-210XR with RS Archerotor at 35 feet (10.6 meters) above ground level.

*All times CDT; all distances in miles/kilometers.*

**May 25, 2003** (E-skip)

1700 CBMT 6 PQ Montreal 970/1561  
 1702 WFSB 3 CT Hartford 955/1537  
 1706 unID 3 (relaying the 6:00 p.m. news from CJOH 13 Ottawa, ON)  
 1715 WPVI 6 PA Philadelphia 820/1320  
 1729 KYW 3 PA Philadelphia 820/1320  
 1734 WMAR 2 MD Baltimore "ABC 2" (under KTVI) 740/1191

**June 9, 2003** (E-skip)

1945 KTVK 3 AZ Phoenix 1255/2020  
 2005 KPHO 5 AZ Phoenix (under KSDK) 1255/2020  
 2030 KUAT 6 AZ Tucson 1240/1996  
 2033 KVOA 4 AZ Tucson (under KMOV) 1240/1996  
 2125 KACB 3 TX San Angelo 755/1215  
 2133 KIII 3 TX Corpus Christi 860/1384  
 2139 XHPN 3 CL Piedras Negras 910/1465  
 2220 KIDK 3 ID Idaho Falls 1160/1867  
 2259 KREG 3 CO Glenwood Springs (//KREG 5) 910/1465  
 2300 KOTA 3 SD Rapid City 760/1223  
 2334 KYUS 3 MT Miles City (//KULR 8) 945/1521  
 2339 KRTV 3 MT Great Falls 1210/1947

The first E-skip opening since 2001 came about with the usual New England and northeastern stations in. KYW 3 was exceptionally strong. WPVI was the dominant station on channel 6. I did pull in an unidentified Canadian on 3, relaying the 6:00 p.m. newscast from CJOH 13 Ottawa, ON. Also noted the "ABC 2" logo on WMAR 2, ghosting under local KTVI. The opening of June 9 brought four new stations; three from Arizona. KTVK was in continuously for over an hour; I was able to watch part of their 5:00 p.m. newscast and "Good Evening Arizona", a locally-produced news and features program, along with frequent Arizona Diamondbacks baseball promos (KTVK is the flagship station for the Diamondbacks' TV network). KTVK is owned by the A.H. Belo Company, which also owns local KMOV 4. Belo is one of the few

media groups that have an eye for a good investment. Also noted KPHO 5 under local KSDK with local news, and KUAT 6 (the first one noted from Tucson) in with a station promo through KMOV. KVOA 4 also noted with news under local KMOV. Also noted KREG 3 with promos for David Letterman and local news (as they are a relay of KREG 5, the news is known as "News 5"). KYUS 3 was a pleasant surprise; it was nice to see KULR 8's newscast. As of 6/10/03, 432 stations have been logged at this QTH.

73, Eric (N0UIH)

---

**Jeff Kadet, K1MOD**, Box 20, Macomb, IL 61455  
 (309)833-1809  
 <<http://www.oldivguides.com/DXPhotos/>>

**Equipment:** Es Ant: vertically polarized CM 1110 up 12' 8" pointed 10 degrees above horizon, Winegard AP-8700 pre-amp, Microwave Filter FM trap, RG-11ICOM R-7100 w/ video adapter and RCA 5" Color Monitor

Es TVs:

Zenith N1310 13" color TV circa 1982  
 Zenith M1310 13" color TV circa 1981  
 Zenith Y1310 13" color TV circa 1983  
 Zenith 9" AC/DC b&w circa 1979  
 Zenith 9" color circa 1988

May 22, 2003 CDT

0825	KIII-3	TX
	KRGV-5	TX
	KPRC-2	TX
	FOX-4	
	KGBT-4	TX
	XEFB-2	NL

May 26

1407 xe-2+ eduThis is more than likely XHBIC-2 Sabinas/Melchor Muzquiz COAH 1054 per Danny Oglethorpe so I'll count it! listed as 2+ with SCT programming

May 27

1309	XHHUPN-2	TM
	KACB-3	TX
	Mex-4	
	XEFB-2	NL
1324	KMID-2	TX Azteca-4
	Mex-5	CDT time lower I

// ch. 3 talkshow host dressed as clown; kind of appropriate ;-)

the ch. 5 has text ads for Monterrey

1328	KWAB-4	TX
1331	Mex-6	-

another Mex-6 off freq.

1348	XHWX-4	NL
	XHH-3 ?	text ID missed it and needed it except for XHPN, ch. 3 is WIDE OPEN to Mexico. I'm surprised that no Mexican 2Es has been seen here.(unless the above was)

1355	Mex-5	
	XE-5	4 TV canal de la Ciudad
	KMID-2	TX

1435	WPBT-2	FL
1454	WESH-2	FL

May 30

0104	WCTV-6	GA
	WPBT-2	FL
	WESH-2	FL

	WSKY-4	NC			Ch. 6 TV Azteca
	WFOR-4	FL			Ch. 2 with TV Azteca7
0351	Mex.-2			2346	Mex-2
0357	WUND-2	NC		<u>June 6</u>	
0404	WSKY-4	NC		0815	Mex-2
0410	WTKR-3	NC		0925	Ch. 4 w/ channel 5 Net ID
0440	WCBD-2	SC		0931	XHMEN-4 Merida, Yucatan 1200
	WFOR-4	FL			nice long text ID upper right
	WBTW-3	NC	649	0932	XEFB-2 Monterrey under/overe
0447	<u>WYFF-4</u>	SC	Greenville, SC 598		XHY-2 Merida, both same offset 1200
	WCIV-4	SC		0948	the clown back on ch. 3
	KBEJ-2	TX			saw an ad with what looked like a local phone #
	WWAY-3	NC			"5240-????"
0456	WUNC-4	NC			Mex-5 Ch. 5Net.
0503	WFSB-3	CT		0957	XHBQ-3 Zacatecas 1408
0515	WBZ-4	MA		1002	WPBT-2 FL
	WLNE-6	RI	IDed as "87.75 FM"		KGBT-4 TX
	KATC-3	LA		1027	Mex-6 women's discussion program
	unID TP ch. 2 - needed Sneedville, TN??				Ch. 6 Azteca7 Net.
0520	WCVB-5	MA		1036	WEDU-3 FL
0528	CBAT1-6	NS		1107	Mex-6 with ch. 5 Net
0547	WABI-5	ME		1123	KIII-3 TX
	WLBT-3	MS	563	1204	WESH-2 FL
0621	WEDU-3	FL			WDIQ-2 AL
	WKMG-6	FL		1229	WUND-2 NC
	4z French			1233	WKRG-5 AL
	WCAX-3	VT		1233	WSKY-4 NC
0640	WJAX-4	FL		1300	Ch. 5 shopping // same as WSKY carries
0651	Global-2				(**who's THIS??**)
0722	CBC-2			1331	WTVY-4 AL
0735	<u>CKVR-3</u>	Barrie, ON	622		CH. 2 DTV SNOW!!! Probably Tallahassee
0745	CBC-2 // ch. 3				Nothing registered on the Hauppauge card
0806	CITO-3	ON		1410	WCBS-2 NY
1258	Global-2			1552	Global-2
	<u>May 31</u>			1855	WSAV-3 GA
0630 ms	KPRC-2	TX			XHMEN-4 back in
	<u>June 1, 2003</u>			<u>June 7</u>	
0520	<u>WMBD-DT-30</u>		62	0834	Mex-2
	Program 1 (PEORIA ILLINOIS)			0852	WPBT-2 FL
	<u>June 2</u>				WEDU-3 FL
1030	XE-2			1030	XEFB-2 NL
1100	WPBT-2	FL			KDBC-4 TX
	WFOR-4	FL		1034	Mex-3 // 2
	WEDU-3	FL			Mex-4
1106	WESH-2	FL		<u>June 9</u>	
1205	WPTV-5	FL		1855	KTVK-3 AZ
1213	WTVY-4	AL			KVOA-4 AZ
1216	Cuba-5 TP				KUAT-6 AZ
1235	WUFT-5	FL			Mex-2 XEW Net
1253	WWL-4	LA			Mex-5 XHGC Net
1308	WJXT-4	FL			upper r Text ID so small I couldn't read it
1501	KBEJ-2	TX		1906	XELN-4 CI 1265
	<u>June 4 CDT</u>			1935	Azteca-6
0806	XEPM-2	NL		2332	KWGN-2 CO
	KACB-3	TX			KREG-3 CO
	XEJ-5	Juarez		2359	WUND-2 NC
	Mex.-4			<u>June 10</u>	
0904	Mex.-6z talk show with host dressed as a cowboy and a Lite Beer logo in the background			0000	Mex-2
	another Mex.-6 minus offset some network			0025	KSNC-2 KS "thank you Kansas"
0906	XHFI-5	Chihuahua	1194		assume it was them; ultra rare 454
	Mex-3 missed a tiny text ID grrr			0025	KPRC-2 TX
0935	Mex-3 local car commercial with obnoxious salesman				KASA-2 NM
1318	KMID-2	TX		1330	WCBS-2 NY
	<u>June 5</u>				WNYW-5 NY
0835	Mex-2			1346	WBZ-4 MA
0915	Mex-3 Televisa Net. with the clown talk show host clown also on ch. 2			1400	WLNE-6 MA
1043	Ch. 3 with XEW ID in the interval signal			1420	CBC-5
1044	KIII-3	TX			CJOH-6 ON
				1446	CHRO-5 ON
					CBLT6-6 ON
				1510	<u>CBOT6-3</u> Pembroke 775

FFC cartoon 3-This is new, whatever it is.  
I should be able to track it down by the programming. Are there some French Canadian fulltimers that never ID? If a station never IDs can it be counted with adequate "proof"?

1630 WEDU-3 FL  
WESH-2 FL  
1837 CTV-2  
1840 FFC-2  
WFSB-3 CT  
WCBS-2 NY  
CBC-4  
1846 CICI1-3 Elliott Lake, ON 575  
1850 GLOBAL-2  
CH. 3-CTV  
1855 CHRO-5 ON

June 11

0714 WEDU-3  
0730 Mex-5  
cuba-6- english lessons //  
cuba 4z (SEE NOTE #1)  
0742 WWL-4 LA  
0755 WEAR-3 AL  
WKRG-5 AL  
0825 KIII-3 TX  
KRIS-6 TX  
Mex clown.-3  
XHPN-3 CL  
0856 KPRC-2 TX  
Mex.-5  
Mex-4 (XHGC)  
1020 XEFB-2 NL  
1025 Televisa-4  
Mex.-6  
1034 XHLUT-4 La Rosita, TM 1030  
big text ID upper r listed as 3.15 KW  
1200 XHMEN-4 YU  
XHY-2 YU  
1202 XHCCN-4 Cancun QU 1355  
both XHMEN had // programming but different Text  
IDs upper R

1640 WESH-2 FL  
1702 WCBBD-2 SC  
1725 WCIV-4 SC  
1730 WSAV-3 GA  
1800 WWAY-3 NC  
1828 WPBT-2 FL  
1837 Fox-4  
1855 Fla-6  
2000 WPTV-5 FL

June 12

1020 KPRC-2 TX  
1203 WFSB-3 CT  
1230 WBZ-4 MA  
1235 WLNE-6 RI  
1706 WBRZ-2 LA  
2345 Mex-2

June 13

1705 Spanish spkg station CH. 2 - off freq. - bug  
lower R looked sort of like Global's with a crescent  
in a circle on the bottom, never seen it before -  
discussion program Doubt if it was PR or  
Dominican Rep. as no 6m condx to there. I'm still  
checking the internet for a matching logo. another  
SS in also

1720 Mex-4  
Mex-3  
XEFB-2  
XHY-2  
1824 Global-2 (a real one)  
WEDU-3 FL

1858 WPBT-2 FL  
Cuba-3z N Network News  
1916 WWL-4 LA  
1935 Cuba-5z N Net.

June 14

1800 CFCN-4 AT  
1920 Cuba N Network // chs. 3,4,5  
WEDU-3 FL  
WPBT-2 FL  
KDBC-4 FL  
KIII-3 FL  
1955 Mex-6  
2010 XHGC Net-5  
2025 XHWX-4 NL  
KRGV-5 TX  
KATC-3 LA

June 15

0500 Mex-2  
0630 big tr to Chicago but WCIU-DT-26 refused to  
decode.

NOTE #1: Received this reply from Arnie Coro re  
all the Cuban unIDs.  
TV Ch 4 is the new "CANAL EDUCATIVO"  
national educational TV network in  
Havana. The TV 5 is probably Santa Clara or  
Santiago de Cuba. The TV 6 is either Havana  
CUBAVISION or Camaguey CUBAVISION  
Now we have several new UHF stations relaying  
the CANAL EDUCATIVO educational network  
Pinar del Rio city CH. 14 Pinar del Rio Sierra del  
Rosario relay is on CH 19 Camaguey is on CH 18  
And many more are now being installed as the  
third national network will cover all of Cuba soon.  
A fourth national TV network is expected to be  
starting broadcasts pretty soon too.

I finally made DXCC on 6m! Last 3 new ones were  
4U1UN, V25XX, and VP9/N0JK I started on 6m in  
May 1998 when I got the IC-756. Nice skip season  
so far!

**Jerry Rappel WW0E**, Davenport, Iowa

Equipment: (Icom R7100, K-Mart 9" TV (1983) -  
ATV J-beam @ 50').

June 06, 2003 ... E's

KIII - TV, Corpis Christi, Texas at noon today - CH  
3, NBC.

**CONVENTIONS**

**NATIONAL RADIO CLUB**

August 29,30, 31

Dallas, TEXAS

Host: Bill Hale, 6124 Roaring Springs Dr.,  
North Richland, TX 76180-5552

**IRCA**

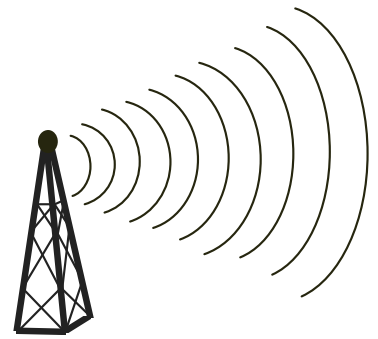
June 27,28,29

Portland, ME

Host: Mike Sanburn

Email: mikesanburn@hotmail.com

# 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 10<sup>th</sup> of each month. If possible please submit in the formats shown below.

## Jim Renfrew - Byron NY

*Equipment: Onkyo TX-8500 MK-II radio shack antenna for TV and FM; car radio.  
 \*are new*

### April 2 Gw

1103 W201CY 88.1 Dansville NY Family Life Network new.

### May 7 Gw

1730 WNED 94.5 Buffalo NY now with RDS.

### May 8 Es

1305 WMAW 88.1 Meridian MS PRM network new

### May 25 Es

1548	WBAD	94.3	Leland	MS	calls
1552	KIPR	92.3	Pine Bluff	AR	
1555	*KKLV	94.7	??		
1557	WFXO	104.9	Iuka	MS	"The Fox"
1603	??	100.1		TN?	network includes WALB 95.7 WTDY 95.7
1606	*KVMA	107.9	Magnolia	AR	"Hits 108"
1610	??	102.9		MO	Ozarks wx
1612	*KKLH	104.7	Marshfield	MO	
1616		106.9			Good times and great oldies
1619	KESC	103.7	Wilburton	OK	Savannah and Eufola ad 918 AC
1619	*KHUT	102.9	Hutschinson	KS	B&B Hydraulics ad
1620	KBUS	101.9	Paris	TX	
1623	*KLBC	106.3	Durant	OK	Texhoma's
1626		106.3			"Your country the best new country"
1630	WTYX	94.7	Jackson	MS	ads
1632	*KAJN	102.9	Crowley	LA	"KAJN weather"
1633	*WDXO	100.9	Hazelhurst	MS	"Jackson's R&B station"
1634		99.3			"The Oldies Station"
1636	*KXOR	106.3	Houma	LA	Terrebon Parish PSA
1640	*WLMG	101.9	New Orleans	LA	Peake BMW ad Louisiana mention
1641		99.3			AR U of A PSA
1642	*KRBV	100.3	Dallas	TX	local ads "Wild FM" N. Texas mention
1643	*KYKC	100.1	Ada	OK	OK Parks ad Ada Ford
1652	*KMJX	105.1	Hot Springs	AR	Little Rock ads
1654	??	105.1		TX	Texas-sized music marathon – oldies?
1654	??	104.9			Texas Louisiana Crawfish Fest lake Charles Civic Center
1658	*KLLI	105.3	Dallas	TX	"Live 105.3 the talk that rocks Texas" and then Stern promo
1658	*KLVT	105.3	Levelland	TX	"K-Love" tentative
1709	*KCXY	95.3	East Camden	AR	Y-95 local ads
1711	KKAJ?	95.7	Ardmore	OK	"Texhoma triple play" unneeded
1713	*KMEO	96.7	Dallas	TX	"Memories 96.7"
1714	*KTAL	98.1	Texarkana	TX	"Classic 98 rocks"
1715	*KXKZ	107.5	Ruston	LA	"Oldies Classic Country"
1717		100.7			#609 elementary school address
1717	*KAWW	100.9	Heber Springs	AR	Red River Honda auto race coverage
1719	*KDXI	104.9	Lake City	AR	"Central Chevrolet" ad (Wolfish IDed)
1720	*KEZU	104.7	Boonville	AR	Ft Smith ads
1721		104.7			Kool 104 Ft Smith slogan?

55					
1725	*KYKS	105.1	Lufkin	TX	"Kicks" "Lufkin's #1"
1726	*KLAZ	105.9	Hot Springs	AR	local ads calls
1729	*KXKZ	107.5	Ruston	LA	"Z-107.5" Ruston ad
1730		105.7			"Power 105.7" Jeff in the morning
1731		102.9			"Country 102.9" CC's Log Cabin exit 39
1734		102.9			"New Mix 102.9"
1736	*KMAG	99.1	Ft. Smith	AR	"K-mag"
1739	*KWEY	97.3	Weatherford	OK	Clinton ON mention "The Coyote"
1742	KWEN	95.5	Tulsa	OK	K-95.5 Tulsa ad
1743	KRZZ	96.3	Derby	KS	call letters
1744	*WUSJ	96.3	Jackson	MS	call letters
1753	KFH	98.7	Clearwater	KS	Hot Talk KFH
1755	KTST	101.9	Tulsa	OK	local car dealer
1755	KBUS	101.9	Paris	TX	race coverage local ads
1758	KDVV	100.3		KS	Spanish mentions of Wichita promo for "Latino Boom"
1803	??	105.9			Tejano music
1803	KPZL	106.9			??
1809	*KHOK	100.7		KS	Hoisington "Eagle Country" local ad
1810	WRR?	101.1			Classical music no announcements
1811	KVGB	104.3	Great Bend	KS	"B-104.3 the Point"
1819	*KSKG	99.9	Salina	KS	"Eagle Country"
1820		100.1			Royals BB
		100.9			Royals BB
1823	*KKQY	101.9	Hill City	KS	"Country Bull Y-102"
1823	*KQLA	103.5	Ogden	KS	calls
1825	*KEZU	104.7	Booneville	AR	Jim Ray Nissan Ft. Smith
1826	*KESS	107.9	Lewistown	TX	"Que Buena"
1834	*KQLS	100.3	Colby	KS	Q-100 local mentions
1843	KEZO	92.3	Omaha	NE	Z-92 Omaha ad
1847	*KITX	95.5	Hugo	OK	Paris mentions
1849	KLUV	98.7	Dallas	TX	K-love
1850	*KRNY	102.3	Kearny	NE	"Y-102" Nebraska's Hot Country

## **Lenny Goldberg; 343 E. Main St., Ashland, OR 97520**

[lenny@cdornotcd.com](mailto:lenny@cdornotcd.com) Sony 6450 car radio

### May 30 Es

1900	KMXQ	92.9	Socorro	NM	country	1025
1906	KDEM	94.3	Deming	NM	mix 94	1069
1909	KXKQ	94.1	Safford	AZ	big Cat Country 94	NEW! 835
1910	KSII	93.1	El Paso	TX	Kiss FM	1144
1910	KOFX	92.3	El Paso	TX	The Fox - oldies	1144
1913	unid	92.1			baseball game prob. KZUAHolbrookAZ (tent.) only AZ station I can find with baseball on FM	843
1917	KMXZ	94.9	Tucson	AZ	AC	NEW! 947
1921	KFMA	92.1	Tucson	AZ	alt.rock	947
1922	unid	95.3			spanish	
1924	KLPX	96.1	Tucson	AZ		947
1930	KOYT	92.9	Tucson	AZ	the new Coyote Country (last heard in 1998 as KWFM)	947
1951	KOOL	94.5	Phoenix	AZ	oldies	831
1955	KBAQ	89.5	Phoenix	AZ	tentative; classical	
2004	unid	92.3			spanish	
2013	KKFR	92.3	Phoenix	AZ	"#1 for hip-hop and R&B" NEW!	831
2020	unid	93.1			rap "music"	
2024	unid	99.9			spanish tent. XHNNO	NacozariSO
2026	unid	98.5			rap "music"	
2027	unid	95.1			country "Lia" show (also on 92.9)	
2035	XHUSS	92.3	Hermosilla	SO	"La Comadre" NEW!	1118
2043	unid	92.1			country	
	unid	92.7			SS rap	mixing with regular rap
	unid	92.1			SS	
2047	unid	92.9			SS (did a major ID in Spanish with "50000 watts" said "perfect sound" in English) pretty sure it's XHGON Ciudad Obregon	SO
					(can anyone confirm?)	1250
2100	unid	92.9			country; and the opening ended.	

Very strong opening first of season; stations were booming in. Knocked off local translator on 92.3. I probably missed the first hour of it goofing off at the computer. Last year my May opening was the only one all season! Hope it keeps up this year!

### June 13 Es

1826	KFMA	92.1	Green Valley	AZ	blasting in for 3 hours
1828	KOYT	92.9	Tucson	AZ	"Coyote country" likewise
1831	KJZZ	91.5	Phoenix	AZ	NEW!
1835	XHCJX?	99.9			IDed as "Exa-FM" . This station is near Mazatlan. How far is that from Ashland OR?? Could I have really heard this?
1840	KSII	93.1	El Paso	TX	"Kiss FM"
1845	unid	94.9			smooth jazz format
1847	unid	95.3			"The New Q" "Q-95"
1848	KOOL	94.5	Phoenix	AZ	
1900	unid	95.3			w/"Totally 80's Hour" and "The Monkey"
1914	KLPX	96.1	Tucson	AZ	
1915	XHH?	100.7			Spanish ment El Paso ad for 'Western Wear'
1921	unid	92.9			football game

June 14 Es

2030	KTHN	92.1	La Junta	CO	"Thunder Country"
2031	unid	91.9			middle eastern music
2033	KRVN	93.1	Lexington	NE	"The River"
2035	KICX	96.1	McCook	NE	
2038	KSSH	96.3	Ingalls	KS	"Super Hits 96" oldies (was country KBGU)
2041	unid	94.9			Christian
2042	KKQZ*	94.3	Wellington	CO	"Z-Rock" NEW!
2050	KSME	96.1	Greeley	CO	(was KGLL)
2050	unid	96.1			smooth jazz
2051	KSPZ	92.9	Colorado Springs	CO	"KZ-93""oldies 92 point 9"
2052	KLIQ	94.5	Hastings	NE	"The Breeze"
2053	unid	96.5			K-LOVE Their website doesn't list a 96.5!?
2057	KSKZ	99.9	Garden City	KS	
2058	KYBD	98.1	Copeland	KS	
2059	KYGO	98.5	Denver	CO	
2104	KCVW	94.3	Kingman	KS	w/"Bible Answer Man" (CRI)
2108	KMTS*	99.1	Glenwood Spgs	CO	NEW!
2110	KJIL	99.1	Copeland	KS	"Radio For Life"

**Tim Katlic - Penfield NY**

*Equipment: Yamaha T-85 Tuner w/ RS 6 element FM antenna*

**May 25 Es**

12:20	WOPR	94.7	Lacombe	LA	Gospel
12:39	KSYR	92.1	Benton	LA	"The Buzz 92.1"
12:45	KXKS	93.7	Shreveport	LA	"Kiss Country 93.7"
12:54	KDOK	92.1	Tyler	TX	
16:00	KISR	93.7	Fort Smith	AR	"Kissin Country"
16:05	KLKL	95.7	Minden	LA	"Oldies 95.7"
16:07	KGAP	98.5	Clarksville	TX	Oldies
16:10	KNCB	105.3	Vivian	TX	Country
16:20	WQPW	95.7	Valdosta	GA	"Mix 96" local mentions
16:21	KITX	95.5	Hugo	OK	"K95.5"
17:35	KOMS	107.3	Poteau	OK	legal ID
17:42	KQOR	105.3	Mena	AR	Oldies
17:48	KWOZ	103.3	Mountain View	AR	Country
17:52	KNUE	101.5	Tyler	TX	Country
17:53	KRMD	101.1	Shreveport	LA	legal ID
17:56	KBUS	101.9	Paris	TX	Rock mention of Cooper
17:58	KBBQ	100.7	Fort Smith	AR	Oldies
17:59	KWRD	100.7	Highland Village	TX	Religious Dallas mentions
18:00	KRBV	100.3	Dallas	TX	Top-40
18:01	KTCM	100.3	Kingman	KS	Spanish oldies
18:05	KTCS	99.9	Fort Smith	AR	Country
18:05	KWCK	99.9	Searcy	AR	Country
18:07	KMAG	99.1	Fort Smith	AR	Country
18:09	KFYZ	98.3	Bonham	TX	mentions of Dallas legal ID
18:10	KTAL	98.1	Texarkana	AR	Classic Rock
18:12	KQUS	97.5	Hot Springs	AR	local mentions
18:13	KLAK	97.5	Durant	OK	mention of Dension Lake Texhoma
18:25	KMMY	97.1	Muskogee	OK	Country "Y97"
18:27	KBEL	96.7	Idabel	OK	Country
18:32	KSCN	96.9	Pittsburg	TX	mention of Winfield "Star 96.9"
18:33	KERX	95.3	Paris	AR	Rock
18:36	KIPR	92.3	Pine Bluff	AR	Urban
18:40	KOAI	107.5	Fort Worth	TX	Jazz
18:41	KYXK	106.9	Gurdon	AR	Country



18:43	KZKZ	106.3	Greenwood	AR	Christian "Spirit FM"
18:45	KVIL	103.7	Highland Park	TX	Bette Midler matches YES.net
18:48	KWKK	100.9	Russelville	AR	mention of Dalton Family Dentistry

May 29 Tr & Au

<u>Tr</u>					
1730	CFJR	104.9	Brockville	ON	came through many times

\*AU (1700-1830 2115-2135)

	WFMZ	104.9	Hertford	NC	FLN News weather with a forecast temp of 62 Praise 105
	????	100.9			Soul/Oldies music long songs no break in between some WEBE 107.9 Westport CT good audio good recording short distance

June 6 Es

<u>1900</u>					
	WLDI	95.5	Fort Pierce	FL	
	WOLZ	95.3	Ft. Myers	FL	
	WBGF	93.5	Belle Glade	FL	
	WEOW	92.7	Key West	FL	farthest of day at 1298 miles
	WAFZ	92.1	Immokalee	FL	
relog	WSJZ	95.9	Sebastian	FL	
	WTLT	93.7	Naples	FL	
	WAYJ	88.7	Ft. Myers	FL	
relog	WSRX	89.5	Naples	FL	
relog	WIKX	92.9	Charlotte Harbor	FL	
	WGMX	94.3	Marathon	FL	
	WPYM	93.1	Miami	FL	

June 8 Tr

0730	WGLU	99.1	Ebensburg	PA	Power 99.1 201 miles.
1100	WORD	101.5	Pittsburgh	PA	
1145	WJJZ	106.1	Philadelphia	PA	
1200	WMGK	102.9	Philadelphia	PA	

June 6 Es

Afternoon 2:20pm-5:06pm

	WGFX	104.5	Gallatin	TN	"Middle Tennessee"
	WRVW	107.5	Lebanon	TN	"The River"
	WPLN	90.3	Nashville	TN	
	KASO	91.9	Jonesboro	AR	
	KXHT	107.1	Marion	AR	Urban song by B2K matches yes.net 2.75kw
	WQLJ	93.7	Oxford	MS	legal ID
	WIBW	94.5	Topeka	KS	
	KAIR	93.7	Horton	KS	
	KHCT	90.9	Great Bend	KS	
	KBUZ	90.3	Topeka	KS	RDS
	KCKS	94.9	Concordia	KS	"Kiss FM"
	KHCA	95.3	Wamego	KS	Christian
	KINZ	95.3	Humboldt	KS	
	KZLS	107.9	Great Bend	KS	
	KZBZ	104.9	Salina	KS	"The Buzz"
	KACZ	96.3	Riley	KS	
	KVGB	104.3	Great Bend	KS	RDS
	KQLA	103.5	Ogden	KS	
	KHOK	100.7	Hoisington	KS	"Eagle"
	KXBX	104.7	Manhattan	KS	Golden Eagle Casino mentions
	KSLI	104.1	Crete	NE	Lincoln mention
	KNCY	103.1	Auburn	NE	legal ID
	KFLV	89.9	Wilber	NE	"K-love"
	KMGO	98.7	Centerville	IA	mention of Moravia www.itsb-iowa.com
	KFGE	98.1	Milford	NE	"Froggy 98"
	KBOE	104.9	Oskaloosa	IA	local mention
	KROA	95.7	Grand Island	NE	Religious
	KLNE	88.7	Lexington	NE	
	KRVN	93.1	Lexington	NE	
	KKRF	107.9	Stuart	IA	
	KSUX	105.7	Winnebago	NE	
	KSRZ	104.5	Omaha	NE	
	KAMI	104.5	Cozad	NE	www.1045fm.com "104 1/2"
	KBBN	98.3	Broken Bow	NE	legal ID
	KZEN	100.3	Central City	NE	

KLIR	101.1	Columbus	NE	
KBBX	97.7	Nebraska City	NE	SS
KKOT	93.5	Columbus	NE	"The Hawk"
KCOB	95.9	Newton	IA	legal ID 5.1kw
KMNE	90.3	Bassett	NE	RDS
KNSG	94.7	Springfield	MN	
KITN	93.5	Worthington	MN	Minnesota West College ad
KBRK	93.7	Brookings	SD	
KLQP	92.1	Madison	MN	
KLND	89.5	Little Eagle	SD	Native American announcer weather
KRDS	95.5	New Prague	MN	952 area code mention of Savage 3kw
KSDR	92.9	Watertown	SD	
KXGT	95.5	Jamestown	ND	legal ID
KDLO	96.9	Watertown	SD	

Evening 8:51pm

KEZO	92.3	Omaha	NE	
------	------	-------	----	--

**Niel Wolfish, Toronto, Ontario** - *Honda Accord car stereo*

May 25 Es

1625	WSMR	89.1	Sarasota	FL	Religious music. "Life FM 89 point 1".Address and e-mail given. Previously QSLed as WAYG. {1140 miles}
1633	WIKX	92.9	Charlotte Harbor	FL	"Kixx County 92 point 9" with C&W.{1161 mi}
1638	WCKW	92.3	La Place	LA	"92-3 The Point: New Orleans' hottest hits". Relog. {1104 miles}
1644	WFLZ	93.3	Tampa	FL	"93.3 FLZ" with local spots Relog. {1097 mi}
1649	WMFQ	92.9	Ocala-Gainesville	FL	Local spot & music by Sugar Ray. {1010 mi}
1657	KLKL	95.7	Minden-Shreveport		"Oldies 95 point 7" IDs; local spots.{1072 mi}
1659	WYFB	90.5	Gainesville	FL	"A station of the Bible Broadcasting x Network". Relog {979 miles}
1700	KASU	91.9	Jonesboro	AR	NPR sta w/ "All Things Considered".{809 mi}
1712	KXKZ	107.5	Ruston-Monroe	LA	"Z-107 5 FM"; spot for Ronnie Ward GMC in Ruston; {1052 miles}
1718	KDXY	104.9	Lake City	AR	Spots for Pizza Inn and Central Chevrolet; x mentions of Jonesboro. Mixing with gospel station. {800 miles}
1724	KZMZ	96.9	Alexandria	LA	"Central Louisiana's rock and roll airforce"; spot for Ward-Chevrolet Oldsmobile in Columbia. {1114 miles}
1728	KEGL	97.1	Fort Worth	TX	"The Eagle's Memorial Day 500 Countdown" with AC/DC and Nirvana songs. Commercial for Trophy Nissan. {1229 miles}
1731	KJSR	103.3	Tulsa	OK	"Star 103" with B.T.O. song. {1019 miles}
1732	KIXB	103.3	El Dorado	AR	Spot for Varsity Ford in Springhill. "American Country Countdown show".
1746	KZBB	97.9	Poteau	OK	"Hot New B-98" with spot for Ford dealer in Fort Smith {1009 miles}
1751	KVOO	98.5	Tulsa	OK	"KVOO Tulsa's country music station". Relog. {1019 miles}
1757	WWLS	104.9	Bethany	OK	Spot for car dealer in Midwest City on I-240 @ Shields; sports talk. Logged last year under different calls. {1123 miles}
1757	KRIG	104.9	Bartlesville	OK	"Good Neighbor of the Month" promo giving address of Box 1100, Bartlesville and also mention of co-owned KYFM. {996 miles}
1800	KKST	98.7	Oakdale	LA	"Star 98-7"... Legal ID mentioning Clear Channel. John Tesh program. Relog {1147}
1805	KRRV	100.3	Alexandria	LA	"K Double R V" with C&W and YL host. Mixing with a ranchero station. {1114 miles}
1805	KUKU	100.3	Mountain View	MO	Mention of Ozark Radio Network. ID as "Oldies 100" into "Tears Of A Clown".{796}
1806	KFH	98.7	Clearwater-WichitaKS	Hour	3 of the "The Warp Zone" program. Relog. {1041 miles}
1814	KMXV	93.3	Kansas City	MO	"Kansas City's # 1 Hit music station with the mother of all winning weekends". {847 miles}
1815	KSCB	107.5	Liberal	KS	Fleetwood Mac song; local spots; ID as "The Best Mix 107 KSCB". {1222 miles}
1819	KZRD	93.9	Dodge City	KS	Music by The Who, "Classic Rock-The x Buzzard" slogan into Stevie Ray Vaughan.
1820	KDGS	93.9	Andover-Wichita	KS	"Power 93 point 9". Relog {1018 miles}
1832	KMKF	101.5	Manhattan	KS	Contest promo; "101-5 K-Rock..." Into Blue Oyster Cult and also Aldo Nova's "Fantasy".
1834	KNUE	101.5	Tyler-Longview	TX	Announcement for opening for KNUE x program director and local spots.{1166 mi}

## Shawn DeCesari - Providence RI

Equipment: Yamaha TX-530 and a Radio Shack 6-element antenna

### May 31 Es (0930 EDT to 1130 EDT)

KUND	89.3	Grand Forks	ND	1317 Miles	ND Public Radio
KSKK	94.7	Staples	MN	1191 Miles	Rush Limbaugh Affiliate
KMXK	94.9	Cold Spring	MN	1172 Miles	Mix 94.9
WUSZ	99.9	Virginia	MN	1122 Miles	99.9 Radio USA

### May 31 Es

WEOW	92.7	Key West	FL	1315 Miles	"Wow 92.7"
WPYM	93.1	Miami	FL	1201 Miles	"Party 93.1"
WLVE	93.9	Miami Beach	FL	1201 Miles	"Love 94"
WZTA	94.9	Miami Beach	FL	1201 Miles	"Zeta"
WPOW	96.5	Miami Beach	FL	1201 Miles	"Power 96"
WKEY	93.5	Key West	FL	1327 Miles	

### June 6 2003 Es

WJTF	89.9	Panama City	FL	1127 Miles
WKGC	90.7	Panama City	FL	1131 Miles
WLPJ	91.5	New Port Richey	FL	1128 Miles
WDDV	92.1	Venice	FL	1187 Miles
WPAP	92.5	Panama City	FL	1102 Miles
WIKX	92.9	Charlotte Harbor	FL	1196 Miles
WJIZ	96.3	Albany	GA	991 Miles
WLTJ	96.7	Cayce	SC	749 Miles
WDJR	96.9	Enterprise	AL	1091 Miles
WOSN	97.1	Indian Rvr Shores	FL	1095 Miles
WPCV	97.5	Winter Haven	FL	1102 Miles
WBZE	98.9	Tallahassee	FL	1057 Miles

### June 10 Es

WMYB	92.1	Myrtle Beach	SC	689 Miles
WIOL	92.7	Eufaula	AL	1003 Miles
WAVW	92.7	Stuart	FL	1120 Miles
KLOZ	92.7	Eldon	MO	1140 Miles
KZLE	93.1	Batesville	AR	1161 Miles
KQID	93.1	Alexandria	LA	1341 Miles LONGEST DX TO DATE
WVOH	93.5	Hazlehurst	GA	920 Miles
WEBZ	93.5	Port Saint Joe	FL	1129 Miles
KRMS	93.5	Osage Beach	MO	1144 Miles
KKTZ	93.5	Lakeview	AR	1190 Miles
KSD	93.7	Saint Louis	MO	1019 Miles
WRJM	93.7	Geneva	AL	1093 Miles
WGYL	93.7	Vero Beach	FL	1102 Miles
WTLT	93.7	Naples	FL	1218 Miles
WMJY	93.7	Biloxi	MS	1236 Miles
KSSZ	93.9	Fayette	MO	1119 Miles
WDEC	94.7	Americus	GA	984 Miles
KSHE	94.7	Crestwood	MO	1019 Miles
WTBF	94.7	Brundidge	AL	1061 Miles
WSYR	94.7	Gifford	FL	1104 Miles
KTTS	94.7	Springfield	MO	1191 Miles
WYNG	94.9	Mount Carmel	IL	893 Miles
WAAG	94.9	Galesburg	IL	979 Miles
WTNT	94.9	Tallahassee	FL	1051 Miles
KCMO	94.9	Kansas City	MO	1221 Miles
WCHZ	95.1	Harlem	GA	820 Miles
WMGB	95.1	Montezuma	GA	928 Miles
KLRQ	96.1	Clinton	MO	1184 Miles
WHTQ	96.5	Orlando	FL	1060 Miles
KRBZ	96.5	Kansas City	MO	1224 Miles
WAGH	98.3	Fort Mitchell	AL	991 Miles
WISK	98.7	Americus	GA	973 Miles
WKCN	99.3	Lumpkin	GA	994 Miles
WGNE	99.9	Palatka	FL	1011 Miles
WPGA	100.9	Perry	GA	928 Miles
WXJZ	100.9	Gainesville	FL	1035 Miles
WJRR	101.1	Cocoa Beach	FL	1060 Miles
WWAV	102.1	Santa Rosa Bch	FL	1140 Miles
WVRK	102.9	Columbus	GA	981 Miles
WMXZ	103.1	De Funiak Spgs	FL	1131 Miles

**Russ Edmunds - Blue Bell, PA** ( 360' ASL ) 40:08:45N; 75:16:04W, Grid FN20  
 <wb2bjh@yahoo.com> *Equipment: Yamaha T-80 & APS9B @ 15'*

May 25 Es

1558	KCMO	94.9	Kansas City	MO	Oldies, "T95" ( 1029 mi )
1559	KINZ	95.3	Humboldt	KS	"Oldies 95, Celebrating a 1001 Song Weekend on KINZ" ( 1095 mi )
1600	KANS	92.9	Osage City	KS	2 local ads for Emporia ( relog 1103 mi )
1601	KLRK	92.9	Marlin	TX	"Lite Rock" light rock mx ID'ed by RDS PI: 2EDO / PS: "Literock"; ( 1355 mi )
1625	KCXY	95.3	E. Camden	AR	mentions of Ark., C&W; ID'ed by RDS PI: 17B6; ( 1072 mi )
1635	KPWW	95.9	Hooks	TX	Texarkana ads, "Power 95.9" (1148 mi )
1637	KSCS	96.3	Fort Worth	TX	ID, C&W ( 1326 mi )
1640	WBLX	92.9	Mobile	AL	Soultype music, "93BLX" (973 mi )
1644	KLTY	94.9	Arlington	TX	"The #1 Christian Radio Station in North Texas", local ad ( relog 1318 mi )
1648	KVRE	92.9	Hot Spgs Village	AR	Local ad, ID ( 1044 mi )
1706	KSOK	95.9	Winfield	KS	Local ad, Country, ID ( 1186 mi )
1715	KBEZ	92.9	Tulsa	OK	ID, promo ( 1156 mi )
1716	KNIN	92.9	Wichita Falls	TX	Rock, ID (1351 mi )
1725	KGGG	94.7	Sterling	KS	"All Oldies Radio", ads for Hutchinson; ID
1735	KCKS	94.9	Concordia	KS	"Kiss FM" local ad ( 1188 mi )
1743	KRZZ	96.3	Derby	KS	Oldies, ID ( 1197 mi )
1745	KTGL	92.9	Beatrice	NE	"Lincoln's Maximum Classic Rock The Eagle" local ads ( relog 1133 mi )
1746	KATI	94.3	California	MO	MO Hiway Safety ad, Country ( 930 mi )
1755	KCVW	94.3	Kingman	KS	Ending "Turning Point", ID ( 1240 mi )
1757	KHBZ	94.7	Oklahoma City	OK	"The Buzz", callin promo, ID ( 1256 mi )
1803	KOGA	99.7	Ogalalla	NE	ID ( relog 1387 mi )
1806	KNID	99.7	Alva	OK	Full ID, C&W ( 1252 mi )
1811	KBBN	98.3	Broken Bow	NE	Rock music, but ID'ed via RDS PI:12CB ( 1277 mi )
1830	KKIA	92.9	Ida Grove	IA	Country, ID ( 1061 mi )
1840	KRNE	91.5	Merriman	NE	Talk program, RDS ID PI: 3E3A (1378 mi )
1846	KDJS	95.3	Willmar	MN	Country music, RDS ID: PI: 18E8 / PS:KDJSFM; ( 1062 mi )
1850	KMXK	94.9	Cold Spring	MN	"Mix 94.9", local ads ( 1038 mi )

KCMO & KINZ were the first stations heard in the opening, and were heard on and off for over 2 hours. KCMO, KINZ & KANS were heard first in the car, then later on the 'real equipment'.

May 31 Es

1800	WTLG	88.3	Starke	FL	Suddenly in strong ending religious prgrm, then ID, gone 2 min later. ( 802 mi )
------	------	------	--------	----	--

June 6 Es

1845	unID	88.3			Spanish & English religiousreinted music, Spanish talk, all I could understand was the time. Probably WIRP Pennsuco,FL, but can't count it.
1859	WBIY	88.3	La Belle	FL	Suddenly in with religious talk, then dual ID for WBIY & WJYO ( 91.5 ) ( 988 mi )
1901	WAYJ	88.7	Fort Myers	FL	Blasting in with ID, slogan & talk ( 1005 mi )

June 10 Es

0740	WPOZ	88.3	Union Park	FL	Promo for Circle Christian School in Orlando ( 868 mi )
0745	WAYJ	88.7	Fort Myers	FL	ID, promo ( 1005 mi relog )
0755	WVIJ	91.7	Port Charlotte	FL	"Victory FM", religious music ( 988 mi )
0758	WFTI	91.7	St. Petersburg	FL	Christian rap, overriding WVIJ RDS PI: 63D2 ( 958 mi )
0800	WJIS	88.1	Bradenton	FL	Promo for events at church in Venice, "Joy FM" ( 968 mi relog )
1210	unID				classical, woman ancr w/ accent usual to Louisiana , talking about a golf outing
1215	unID	88.9			AFR only net ID only AFR outlet in skip zone is KAOW Ft. Smith AR
1218	KSBH	94.9	Coushatta	LA	Ad for Anderson produce, "The River",
1220	KKBQ	92.9	Pasadena	TX	Ad for Randall's Food Market, featuring Texas Blueberries, 713 Area Code relog
1222	KBMQ	88.7	Monroe	LA	promo for event at Bayou Gymnastics,

1225	KBCY	99.7	Tye	TX	religious comments Country, "Big Country 99.7"
1230	uniD	94.3			Soul/soft jazz, CDT Time check by slow, deep voiced man. Could be WBAD MS or KTRY LA
1232	KPCH	97.7	Dubach	LA	Oldies, RDS PI: 37D7 *
1242	WHJT	93.5	Jackson	MS	ad for "Springs of Praise", "Star 93.5, x Jackson"
1245	KFAD	93.9	Alexandria	LA	Strong ID out of the mess
1248	KMBL	100.5	Madisonville	TX	rock, call ID
1250	HLL	100.9	Richwood	LA	"The most positive music on The Hill"
1300	KRVS	88.7	Lafayette	LA	ID, Talk program "Etown"
1310	unID	96.3			Country music battling with WQXRNY off the back (why is it this one is always like this during Es ? )
1322	WKRI	94.9	Mt Carmel	IL	Ads for Hasgoe Cleanup & Evanston Teachers' Federal Credit Union
1340	unID	99.7			Rush Limbaugh
1343	unID	99.1			"Today's Best Hits"
1344	KFUO	99.1	Clayton	MO	Classical, ID; RDS PI 1F4A *
1346	KTTR	99.7	St. James	MO	Ad for 4City Medical Center in St. James
1348	KOMG	92.9	Ozark	MO	Light rock, "Mix 92.9"; RDS PI: 3636
1350	KATI	94.3	California	MO	Country, Columbus promo relog
1352	KSSZ	93.9	Fayette	MO	Talk "The Eagle"
1354	KZLE	93.1	Batesville	AR	"The Max" ad for Wallace Woodwork, mention of Batesville
1355	KLSC	92.9	Malden	MO	"Star 92.9"
1357	unID	92.3			ad for "Tammy's ( Tanney's ? )Home Furnishings", then ending syndicated "Tradio" program
1400	WOLG	95.9	Carlinsville	IL	EWTN promo, Covenant Network promo, ID
1419	KRRY	100.9	Canton	MO	"Y101", new rock
1420	KGMV	100.5	Aurora	MO	Country music, ID
1421	KMEM	100.5	Memphis	MO	local ads, ID
1422	WRVY	100.5	Henry	IL	promo
1425	KBEA	99.7	Muscatine	IA	ad for Iowa Wireless
1427	KIIK	95.9	Fairfield	IA	ad for Ottumwa; Oldies
1429	KAAN	95.5	Bethany	MO	Country RDS PI: A10D *
1433	WRKX	95.3	Ottawa	IL	Ad for Bill Walsh car dealer in Ottawa, gave website addr.
1437	WNUA	95.5	Chicago	IL	talk; RDS PI: 7904 ( twice, to be sure)*
1439	WZOC	94.3	Plymouth	IN	Ad for business with locations in South Bend & Kalamazoo ( new state ! )
1440	unID	94.3			Mentions of OK & CO, sounded like "KLove" or "KLow"
1450	KIAI	93.9	Mason City	IA	Ad for Culver's in Mason City
1453	KTTN	93.5	Worthington	MN	" Mix 93.5 ", Ad for Sterling Drugs "with 2 locations in Worthington"
1456	KDOM	94.3	Windom	MN	"Advantage Outdoor Show", ad, ID
1505	KKOT	93.5	Columbus	NE	Classic Rock, "Columbus's new home of Classic Rock, 93.5 The Hawk"
1518	unID	89.3			Classical music, monster signal
1520	KMNE	90.3	Bassett	NE	only nondescript talk heard, but RDS PI: 3106 ( checked twice ) *
1522	KRNE	91.5	Merriman	NE	Classical RDS PI: 3E3A relog
1524	KKYA	93.1	Yankton	SD	Country; "Lewis & Clark Country KK93"
1526	unID	94.9			Promo for concert event, mention of Husker tickets, likely KJLT North Platte NE
1529	unID	100.5			ad for "Collins & Co." don't know if this is the name of one a DJ team or an advertiser.
1533	KRKQ	98.3	Boone	IA	Ad for Racoon River Brewing "The River"
1539	KTSD	91.1	Reliance	SD	SD Public Broadcasting promo
1545	unID	93.9			strong Country music
1638	KFBN	88.7	Fargo	ND	Local news, ID
1645	KYNU	98.3	Carrington	ND	"Big Dog Country"; RDS PI: A5C6 *
1649	unID	97.9			Religious talk
1654	KYCK	97.1	Crookston	MN	Country; "Kick Country" ad for MN Lottery; ad for Hansen Cycle & Marine
1950	KLNE	88.7	Lexington	NE	Talk, RDS PI" 2E62 *
2033	KLVV	88.7	Ponca City	OK	promo, ID, severe wx warnings, relig music
2036	KYFW	88.3	Wichita	KS	rel music, promo for a Christian Seniors' program in Hutchinson

#### June 11 Es

1830	KHYI	95.3	Howe	TX	Country music "on 93.5 FM The Range"
1855	KYOX	94.3	Comanche	TX	Country Music, Calls
1900	WFFN	95.3	Cordova	AI	Full ID and "Sunny 95.3"
1904	WRXW	93.9	Pearl	MS	Current rock, "Rock 93.9", concert promo

1933	unID	88.3			Contemporary female vocal "What a Friend x We Have in Jesus" piano & guitar backup
------	------	------	--	--	--

June 12 Es

1205	KINZ	95.3	Humboldt	KS	ID into CNN News
1209	KCFN	91.1	Wichita	KS	Religious talk; RDS PI: 15D7

**Bob Smolarek – 31 Mark Drive - High Bridge NJ 08829**

*Equipment: McIntosh MR 78 Channel Master Stereo Probe 9 Conrad RDS manager*

May 24 ES

1923	WGMX	94.3	Marathon	FL	
------	------	------	----------	----	--

May 25 ES

1530	KTGL	92.9	Beatrice	NE	"The Eagle"
1535	KRPS	89.9	Pittsburg	KS	matches my initials!
1541	KINZ	95.3	Humboldt	KS	"Z95 point 3"
1544	KBEZ	92.9	Tulsa	OK	
1553	KCMQ	96.7	Columbia	MO	"The Rock Station"
1556	KHST	101.7	Lamar	MO	"The Real Rock"
1558	KSNP	97.7	Burlington	KS	"Thunder Country"
1605	KRXT	98.5	Rockdale	TX	many mentions of the Seaton Star Hall
1617	KFMK	105.9	Round Rock	TX	"Jammin' 105.9"
1619	KLZR	105.9	Lawrence	KS	
1622	KISX	107.3	Whitehouse	TX	Kiss1071.com website mentioned
102.7	KBLZ	102.7	Winona	TX	
1627	KOOI	106.5	Jacksonville	TX	soft AC
1630	KLTD	101.7	Temple	TX	"Eagle 101"
1631	KUSJ	105.5	Harker Heights	TX	"US 105"
1636	KQEW	102.3	Fordyce	AR	with an ad for leasing space on their tower!
1639	KDVE	103.1	Pittsburg	TX	
1641	KYGL	106.3	Texarkana	AR	"Eagle 106 oint 3"
1647	KXOJ	100.9	Sapulpa	OK	
1650	KPLX	99.5	Ft. Worth	TX	"The Wolf"
1659	WWLS	104.9	Bethany	OK	"The Sports Animal"
1700	KRIG	104.9	Nowata	OK	
1706	KRLK	107.7	Stockton	MO	
1708	WYZB	105.5	Mary Esther	FL	country
1710	KIXR	104.7	Ponca City	OK	
1712	KKIX	103.9	Fayetteville	AR	"KIX 104"
1715	KLUV	98.7	Dallas	TX	ad for Toyota of Plano
1717	KBUS	101.9	Paris	TX	"The Bus"
1723	KCBI	90.9	Dallas	TX	
1724	KOMA	92.5	Oklahoma City	OK	"coma"
1725	KCHZ	95.7	Ottawa	KS	
1726	KOKF	90.9	Edmond	OK	"The New Sound of Hit Music Radio 91 FM"
1726	KCFN	91.1	Wichita	KS	very strong RDS logging
1730	KFH	98.7	Clearwater	KS	The Warp Zone program and ID heard
1735	KHTT	106.9	Muskogee	OK	
1736	KSSA	105.9	Ingalls	KS	RDS logging, good because audio was SS
1746	KEYN	103.7	Wichita	KS	oldies
1747	KJYO	102.7	Oklahoma City	OK	
1750	KCFX	101.1	Harrisonville	MO	"The Fox"
1753	KMMZ	96.9	Enid	OK	
1755	KWEN	95.5	Tulsa	OK	"K95"
1800	KTSO	94.1	Okmulgee	OK	"A Times Shamrock Station"
1801	KSOK	95.9	Winfield	KS	
1806	KRGY	97.3	Aurora	NE	"Classic Hit Country"
1808	KNLV	103.9	Ord	NE	
1812	KQKY	105.9	Kearney	NE	"Hits 106"
1813	KBBK	107.3	Lincoln	NE	B1073.com website mentioned
1820	KUSO	92.7	Albion	NE	"US 92"
1822	KRZZ	96.3	Derby	KS	
1829	KPNC	100.9	Ponca City	OK	Team radio mentioned
1831	KJMK	93.9	Webb City	MO	RDS log as K hits Magic 93.9

**Michael Hawk - Omaha, NE**

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

May 27 Es

1127	Es in progress when I reached my car for lunch					
1128	<u>KKOR</u>	94.5	Gallup	NM	Core FM; prev MS	795
1130	KYOT	95.5	Phoenix	AZ	Smooth Jazz 95.5	1023
1132	KOOL	94.5	Phoenix	AZ	oldies presumed	1023
1138	<u>KGLX</u>	99.1	Gallup	NM	C&W ID mention of DJ Jim Casey	795
1140	<u>KXXI</u>	93.7	Gallup	NM	93-X	795
1150	KZON	101.5	Phoenix	AZ	local ads	1023
1155	<u>KGCB</u>	90.9	Prescott	AZ	rel; ID	1007
1158	KNAU	88.7	Flagstaff	AZ	classical; ID	945
1200	KNAI	88.3	Phoenix	AZ	SS presumed	1023
1204	<u>KKLT</u>	98.7	Phoenix	AZ	ID K-Lite 98.7	1023
1205	KAFF	92.9	Flagstaff	AZ	o/u KTGL; C&W lcl ads	
1210	KMGN	93.9	Flagstaff	AZ	classic rock	945
1228	Flagstaff finally faded out					
1310					SS unID's up to 93.7	

May 30 Es

0526	Es first noted occasionally hitting 89.1 w/ VA temperatures given					
0635	WEVO	89.1	Concord	NH	wx report from "atop Mt Washington"	
0645	WFME	94.7	Newark	NJ	traffic report w/ soothing religious sounding music in the background	
0651	<u>WCQR</u>	88.3	Kingsport	TN	SRN news then ID	
0658	<u>WAGP</u>	88.7	Beaufort	SC	mention of various sponsors including Golds Gym at 837-Gold someone on Highway 170 Stokes Honda and various others in Beaufort	
0730	unID	89.1			?? on drive to work heard "88.7 WMEC"	

June 14 Es

1300	KNAU	88.7	Flagstaff	AZ	D	
1928	KNISp	91.3	Carson City	NV	rel; would be a relog	
1930	KKTO*	90.5	Tahoe City	CA	"The KXJZ Stations" ID	
2000	KUNR	88.7	Reno	NV	ID	
2030	KLUX*	89.5	Robstown	TX	"Good Company 89.5"; TX#100	
2040	XHAAA	93.1	Reynosa	TM		
2056	XHEC	91.9	Sabinas	TM		
2112	XHRP	94.7	Saltillo	CL	lcl mentions	
2119	XHCAO	89.1	Reynosa	TM	La M	
2131	XHMU	90.1	Tampico	TM	presumed w/ SS; distorted	

Es has been mediocre at best through early June. It seems like there have been quite a few N-S openings on both coasts, and some E-W openings in the south and southwest, but most have been over the horizon for us in the central and north central US. But there's still plenty of time to go this season! 73's

**Mike Cherry VE7SKA, 362 Sky Valley Rd, Salt Spring Island BC Canada.**

*Grid square locator: CN88gt Equipment: Magnum Dynalab FT101 Etude analog rcvr w/ digital readout; Magnum Sleuth 150 bandpass/30dB amplifier/ 30dBattenuator. Lindsay 10-element CATV FM yagi, Hygain/Ham IV rotor, RG-6 co-ax @52' AGL. All times PDT*

June 16 Es

0155	KNAU	88.7	Flagstaff	AZ	ID, underwriter support	
0159	KJTA	89.9	Flagstaff	AZ	Joy 89.9	
0203	KWMX	96.7	Williams	AZ	Cool Oldies 96.7	
0208	KADD	93.5	Luaghlin	NV	local ad	
0212	KFLG	94.7	Kingman	AZ,	K-Flag, k music	
0216	KNOT	99.1	Prescott	AZ	k music, PSA mentioning AZ	
0219	KQST	102.9	Sedolna	AZ	hiphop mx, local ads	
0223	KMLE	107.9	Chandler-Phnx	AZ	Camel Country 108	
0226	worked Es opening on 2 meters (144.2 mHz)					
0229	KKLT	98.7	Phoenix	AZ	ID	
0254	KUPD	97.9	Phoenix	AZ	ads, weather	
0258	KNAI	88.3	Phoenix	AZ	English-language stn ID	
0300	KBAQ	89.5	Phoenix	AZ	ID	
0301	KJZZ	91.5	Phoenix	AZ	ID, news	
0357	KKFR	92.3	Glendale-Phoenix	AZ	ID	
0359	KCMT	102.1	Oro Valley	AZ	English-language stn ID	
0412	KIIM	99.5	Tucson	AZ	Kim Country	
0432	KUAZ	89.1	Tucson	AZ	ID and jazz	

After the 144 mHz (2 meters) ham band opened, I spent very little time tuning around the FM dial except near the top of each hour. Most of the time I left my receiver on KMLE 107.9 which was rock-solid for over 2 hours. (in full stereo too, Bruce) At 2012 PDT the MUF was confirmed at 222 mHz as a ham contact between Phoenix & Seattle, Wash had just been completed. The Phoenix station worked 2 more hams on 222 mHz in Seattle & one in Portland, Ore (the MUF here during that contact must have been approx 250 mHz!!!) Over a 2 hour period on 2 meters, I worked 22 ham operators in Ariz & the Las Vegas, NV area. I was too busy to explore the opening on low-band TV or the 50 mHz (6 meters) ham band. There were numerous Spanish language un-IDs just as the opening was waning & lengthening out into the Tucson area. I suspect some of these were in Mexico 73 Mike VE7SKA(CN88)

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

<http://members.cox.net/mcsittel/dx.htm> [mcsittel@cox.net](mailto:mcsittel@cox.net)

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

May 18 Tr

2300	<u>KMEO</u>	96.7	Flower Mound	TX	ID	536
------	-------------	------	--------------	----	----	-----

May 25 Es

1235	<u>WPOZ</u>	88.3	Union Park	FL	Z 88.3	1203	
1523	<u>WHFS</u>	99.1	Annapolis	MD	99-1 HFS	1028	
1527	<u>WBQB</u>	101.5	Fredericksburg	VA	B 101.5		1002
1539	<u>WINC</u>	92.5	Winchester	VA	92.5 Wink FM		958
1543	<u>WVCO</u>	94.9	Loris	SC	94.9 the Surf		1058
1545	<u>WXGM</u>	99.1	Gloucester	VA	calls		1066
1549	<u>WGTS</u>	91.9	Takoma Park	MD	calls	1011	
1552	<u>WMQX</u>	93.1	Winston-Salem	NC	area ad	923	
1555	<u>WWWV</u>	97.5	Charlottesville	VA	3WV	953	
1559	<u>WETA</u>	90.9	Washington	DC	calls		1005
1600	<u>WRVS</u>	89.9	Elizabeth City	NC	ID	1112	
1601	<u>WPER</u>	89.9	Culpeper	VA	calls		975
1604	<u>WUVA</u>	92.7	Charlottesville	VA	Kiss	953	
1607	<u>WJZV</u>	93.1	Ettrick	VA	Smooth Jazz	93.1	1017
1615	<u>WWDE</u>	101.3	Hampton	VA	2WD		1096
1617	<u>WOWI</u>	102.9	Virginia Beach	VA	103 Jamz		1091
1620	<u>WSFL</u>	106.5	New Bern	NC	local ad	1092	
1624	<u>WCXL</u>	104.1	Kill Devil Hills	NC	Beach	1136	
1628	<u>WARV</u>	100.3	Petersburg	VA	ESPN		1028
1631	<u>WTVR</u>	98.1	Richmond	VA	Lite 98		1015
1632	<u>WDBS</u>	97.1	Sutton	WV	local mention		841
1634	<u>WCEI</u>	96.7	Easton	MD	calls		1062
1635	<u>WAZR</u>	93.7	Woodstock	VA	calls		932
1637	<u>WPOC</u>	93.1	Baltimore	MD	calls		1018
1639	<u>WWMX</u>	106.5	Baltimore	MD	Mix 106.5		1023
1643	<u>WQHQ</u>	104.7	Ocean City	MD	Q105		1111
1645	<u>WWZZ</u>	104.1	Waldorf	MD	Washington's	104	1025
1647	<u>WIOQ</u>	102.1	Philadelphia	PA	Q102	1087	
1649	<u>WWMD</u>	101.5	Waynesboro	PA	Magic 101.5		969
1654	<u>WBIG</u>	100.3	Washington	DC	area ad		1005
1656	<u>WASH</u>	97.1	Washington	DC	local ad	1007	
1658	<u>WESM</u>	91.3	Princess Anne	MD	calls	1094	
1659	<u>WAMU</u>	88.5	Washington	DC	local ment.		1007
1659	<u>WOUC</u>	89.1	Cambridge	OH	ID		771
1704	<u>WYFM</u>	102.9	Sharon	PA	Y103		804
1723	<u>WSPK</u>	104.7	Poughkeepsie	NY	K104/K107		1139
1730	<u>WLTB</u>	101.7	Johnson City	NY	area ment.		1034
1737	<u>WYJB</u>	95.5	Albany	NY	calls		1131
1742	<u>WSEN</u>	92.1	Baldwinsvl	NY	Oldies 92.1		1013
1745	<u>WBUF</u>	92.9	Buffalo	NY	local ad		891
1747	<u>WYYY</u>	94.5	Syracuse	NY	area ad		1023
1750	<u>WKLL</u>	94.9	Frankfort	NY	K-Rock		1071
1757	<u>WBZS</u>	92.7	Prince Frederick	MD	Mega	1037	

**Jeff Lehmann, Hanson, Massachusetts**

*Equipment: Yamaha T-80 Antenna: Radio Shack 6 element outdoor FM antenna*

May 25 Es

	<u>WZEW</u>	92.1	Fairhope	AL		
	<u>KZSN</u>	102.1	Hutchinson	KS	Kissin	102
1114	<u>WMMO</u>	98.9	Orlando	FL		



1600	KWGS	89.5	Tulsa	OK	
1640	WEZB	97.1	New Orleans	LA	B97
1642	WDLT	98.3	Chickasaw	AL	
1652	WQUA	102.1	Citronelle	AL	Radio Disney
1700	KAMO	94.3	Rogers	AR	US94
1710	WFXX	107.7	Georgiana	AL	107.7 The Fox (Heard ID during NASCAR)
1713	KHTT	106.9	Muskogee	OK	106.9 K-Hits
1829	KCKS	94.9	Concordia	KS	94-9 Kiss FM
1730	WKGC	90.7	Panama City	FL	
1723	WZNS	96.5	Fort Walton Beach	FL	Z96
1755	KWXD	103.5	Asbury	MO	Oldies 103.5
1806	KFBZ	103.5	Haysville	KS	105-3 The Buzz
1803	KYQQ	106.5	Arkansas City	KS	Spanish

June 14 Es

	WISK	98.7	Americus	GA	Braves Radio Network
1400	KZLE	93.1	Batesville	AR	93.1 The Max
1622	WOLZ	95.3	Fort Myers	FL	Oldies 95
1700	WJTF	89.9	Panama City	FL	Joy 89.9
1705	WPAP	92.5	Panama City	FL	
1803	WJIZ	96.3	Albany	GA	
1835	WLTJ	96.7	Cayce	SC	Lite 96.7
1841	WILN	105.9	Panama City	FL	Island 106
1844	WDJR	96.9	Enterprise	AL	Country 96.9
1848	WBZE	98.9	Tallahassee	FL	Star 98

**Jason Koralja Surf City, NJ**

*Equipment: Sony ICF-SW7600G with built in whip*

June 9 Es

KKRL	93.7	Carroll	IA	1093mi
KTUF	93.7	Kirksville	MO	927mi

June 10 Tr

WFLS	93.3	Fredericksburg	VA	199mi
------	------	----------------	----	-------

**Harry Hayes - Wilkes-Barre, PA**

*Equipment: Superadio II w/110khz filter, Bose Wave Radio, FM-6 antenna in attic*

May 25 Es

1550	KTTS	94.7	Springfield	MO	ID
1555	KMXL	95.1	Carthage	MO	"Joplin's 95.1" New music
1600	KINZ	95.3	Chanute	KS	Mention SE Kansas and call ID
1600	KXMO	95.3	Owensville	MO	ID
1612	KFXJ	104.5	Augusta	KS	"Wichita's Best Rock, 104.5 The Fox"
1615	KJLS	103.3	Hays	KS	"KJ-103"
1615	KOFM	103.1	Enid	OK	"Hot Country" calls heard
1622	KZSN	102.1	Hutchinson	KS	"Kissin'102" Country Music
1625	KCLR	99.3	Boonville	MO	assume this is the one calling self "Clear"
1637	KMOD	97.5	Tulsa	OK	ID
1639	WRBA	95.9	Panama City	FL	"Arrow 95.9" Rock Music, Note#1
1644	KBHT	93.5	Crocket	TX	IDs and ad for Hound Dog Records
1655	KCLQ	107.9	Lebanon	MO	call ID, mixed with a weak Panama City
1700	KSMU	91.1	Springfield	MO	call ID
1705	KOMA	92.5	Oklahoma City	OK	ID, oldies
1709	KKNG	93.3	Oklahoma City	OK	ID
1711	KTSO	94.1	Tulsa	OK	several IDs, oldies
1720	KHBZ	94.7	Oklahoma City	OK	"OKC's New Rock"
1730	KMMZ	96.9	Enid	OK	"Oklahoma's Bow" or Bull, I don't know which. Assumed
1730	KMEO	96.7	Flower Mound	TX	"Memories 96.7" Assumed
1740	KRAV	96.5	Tulsa	OK	"Tulsa's New Mix 96" killing semi-local WPEL
1747	KMAG	99.1	Fort Smith	AR	"Continuous Hit Country"
1752	KQRC	98.9	Leavenworth	KS	"98 The Rock" slogan is somehow appropriate for this town!
1759	KNCY	103.1	Auburn	NE	ID's, into ABC News, mention 1600 AM
1812	KJSR	103.3	Tulsa	OK	"Star-103" w/Album Rock
1815	KSLI	104.1	Lincoln	NE	"Lincoln's Kiss-104 FM"
1822	KSRZ	104.5	Omaha	NE	"Omaha's Star 104.5"

1824	KMYZ	104.5	Pryor	OK	mention Tulsa in ad, see-sawing w/KSRZ
1830	KSUX	105.7	Winnebago Sioux City in ads	NE	ID as "K-Sioux 105" mention LeMars and
1835	KTTL	105.7	Alva	OK	"It's your station for Total Hits" full ID
1845	KKCK	99.7	Marshal	MN	Ad for Pipestone University, assumed

May 30 Es

0418	UnID	104.5			"J-104" Rap Music, assume Ft. Worth- Note #2
0814	KSWP	90.9	Lufkin	TX	ID's w new Rock MX. Note #3
1125	WPCV	97.5	Lakeland	FL	ID's Full stereo on Bose for 5 minutes with no fading
1153	WYUU	92.5	Safety Harbor	FL	full ID at this time.

The 5/25 Es opening is of the type I have not experienced in a couple of years. It produced 14 new ID's for me. Note # 1 It was an oddity hearing Florida on this mainly westerly opening. Note # 2 I know they happen, but this is the first time I've experienced a 4 AM FM Es opening. There also was Country Music on 96.3 which makes me suspect the "Metroplex" area. I have a habit of leaving the radio on at low volume, usually on 104.5, my quietest frequency, in my bedroom while sleeping. Being awakened by Rap music at 4:20 AM is not exactly pleasant, but I love those Es! Note # 3 Log number 1000. I know I'd do it even though it took me almost 33 years!

**Bruce Elving/FM Atlas, Esko MN**

The only skip I had Sunday, May 25 was WSCI \*89.3 Charleston SC and a relog of WCOS-FM Columbia SC, on 97.5. Previously, in 1965, I had it verified as a 5.6 kw station on 97.9. In 1965, WCOS-FM even paid me \$1 for a copy of the tape of my reception of their station in Duluth MN. Oh, I also heard "Gaffney" mentioned on 105.3, which I assume is WAGI. Previously, I had WAGY-FM when it was licensed Forest City NC.

However, the top of the hour ID on 97.5 at 4 p.m. CDT mentioned only "WCOS Columbia." I checked and there is still a WCOS AM on 1400, so the ID should have said either WCOS-FM Columbia, or WCOS-AM-FM Columbia. I am not sure simulcasting was occurring. I mentioned this problem to Girard Westerburg who works at Clear Channel stations in KY, and WCOS-FM is listed as a Clear Channel station. He said he would notify them, to try to get them to improve their IDing practices. The skip here in Esko (northeast Minnesota) lasted from about 4 p.m. to 6 p.m. CDT.

**Rick Shaftan Neighborhood Research/Mountaintop Media, Sparta NJ 973-726-8114.** @ = New Station, # = New Prop Mode First number at end = mileage, number w/"d" is direction. Equipment: Realistic STA-2280, APS 14s Stagger Stack phased thru Bolin Phase Box with APS 13 Stagger Stack. ICOM R-7000 w/TV Adapter w/JVC 19 inch monitor and Winegard 1026 for Low Band.

November 19 2002 Ms/GW

AM	#WERN	88.7	Madison	WI	RDS PI A6FF	775	286d
0540	@W232AM	94.3	Stroudsburg	PA	Classical 28	267d	
0555	#WVFJ	93.3	Manchester	GA	"WVFJ" 788	228d	

November 25 2002 Ms

Day	@KNBZ	97.7	Redfield	SD	RDS PI 3287	1240	291d
-----	-------	------	----------	----	-------------	------	------

11/30/02 Ms/Es

??	WQLT	107.3	Florence	AL	RDS PI A819	836	243d
1545	WVAS	90.7	Montgomery	AL	RDS PI EEEE	878	231d
1555	WMBU	89.1	Forest	MS	Ad for Pearl, Brandon, WMBU Forest-Jackson-Meridian 1010	238d	
1558	#WLRH	89.3	Huntsville	AL	WLRH Huntsville 783	240d	
1600	WDYN	89.7	Chattanooga	TN	Findley Stadium, Boyd Buchanan, Crusaders 74-53, Charlie Nicholson, Murfreesboro v. Knoxville 706	238d	
1615	WTXT	98.1	Tuscaloosa	AL	98 TXT Tuscaloosa's Music Station	896	
1619	WZNF	95.3	Lumberton	MS	New Z-95.3 Ramsey Christmas Tree in Ramsey AL off I-10	1072	233d
1621	WBBN	95.9	Taylorsville	MS	B95 1047	236d	
1629	WRJH	97.7	Brandon	MS	Rap 1043	238d	
1633	WQST	92.5	Forest	MS	RDS PI A8CF 1011	238d	
1634	WPGG	93.3	Evergreen	AL	Power Pig 951	230d	
1636	WBAD	94.3	Leland	MS	Greenville mention	1039	245d
1637	WZNS	96.5	Fort Walton Beach	FL	Z96 Today's Hottest Music	992	226d
1639	WUSJ	96.3	Jackson		Close Enough to Perfect for Me	1054	240d
1641	WFMN	97.3	Flora	MS	Majestic Metals in ??? Mississippi	1045	
1645	WJKK	98.7	Vicksburg	MS	WJKK calls weak 1063	240d	

1647	WKNN	99.1	Pascagoula	MS	Dixie Chicks	1070	232d	
1650	WRNO	99.5	New Orleans	LA	WRNO New Orleans	1147	234d	
1651	WJMI	99.7	Jackson	MS	WJMI Jackson	1054	240d	
1653	WNSL	100.3	Laurel	MS	RDS PI 78DB SL 100	1037	236d	
1654	WJXN	100.9	Utica	MS	97.7/100.9	1071	240d	
1655	WJDQ	101.3	Meridian	MS	Q-101 RDS PI 6CCA	982	237d	
1656	WYNK	101.5	Baton Rouge	LA	Big D and Bubba. Lucky Rouge	1187	237d	
1658	@WQUA	102.1	Citronelle	AL	Radio Disney	1028	233d	
1701	@WXRR	104.5	Hattiesburg	MS	E Carolina vs. So Mississippi Football	1042		
1704	WDWG	104.9	Moss Point	MS	Classic Country 104	1053	231d	
1705	WKZN	105.3	Kenner	LA	105.3 The Zone	1147	234d	
1706	WAKH	105.7	McComb	MS	E Carolina vs. So Mississippi Football		1106	
1708	@WDXX	100.1	Selma	AL	US 80 in Selma. Selma Mall	904	233d	
1715	WRTM	100.5	Port Gibson	MS	Hip Hop 1089	242d		
1722	WSSY	97.5	Talladega	AL	Cooper Chevrolet in Anniston	818	234d	
1723	KMDL	97.3	Kaplan	LA	Landrieu Ad	1231	238d	
1725	WFFF	96.7	Columbia	MS	E Carolina vs. So Mississippi Football	1080		
1726	WBHJ	95.7	Tuscaloosa	AL	Hip hop. Birmingham mentions	883	236d	
1727	WTKL	95.7	New Orleans	LA	Cool 95	1147	234d	
1729	@KBZE	105.9	Berwick	LA	Hip Hop 1209	235d		
1732	WPYO	95.3	Apopka	FL	Country, Orlando's Best Music	938	206d	
1753	@WCCL	97.7	Punta Russa	FL	WINK News. SW Florida's News Leader			
1758	@WMFE	90.7	Orlando	FL	aresge.org 90.7 WMFE	932	205d	
1800	WUSF	89.7	Tampa	FL	USF Membership Campaign	1007	208d	
1836	WQUE	93.3	New Orleans	LA	Rap	1268	239d	
1844	WXXM	94.9	Reserve	LA	Praise 94.9	1170	235d	
1846	KOOJ	93.7	New Iberia	LA	Faise River...638-3929	1197		
1855	@WTUL	91.5	New Orleans	LA	Weird mx // Internet	1156	234d	

December 2 2002 Ms

0945	WPNE	89.3	Green Bay	WI	RDS PI 7D9A	716	294d	
------	------	------	-----------	----	-------------	-----	------	--

December 21 2002 Ms

PM	#KOLL	94.9	Maumelle	AR	RDS PI 3621	1059	250d	
----	-------	------	----------	----	-------------	------	------	--

December 23 2002 Ms

AM	#WPFF	90.5	Sturgeon Bay	WI	RDS PI 7CCB	696	297d	
----	-------	------	--------------	----	-------------	-----	------	--

April 16 2003 Ms

AM	????	100.5			PI F501, PS BE_DTC_2			I've gotten this before
----	------	-------	--	--	----------------------	--	--	-------------------------

April 27 Ms

??	????	100.5			PI 47 CE			
----	------	-------	--	--	----------	--	--	--

May 10 Ms

AM	@WANZ 100.5	Northport		AL	PI 5613. Text B: BAMA			
----	-------------	-----------	--	----	-----------------------	--	--	--

May 17 Ms

AM	#KRES	104.7	Moberley	MO	PI 3D5E			
----	-------	-------	----------	----	---------	--	--	--

May 25 Es while trying to get lots of work out the door.

1545	KOMA	92.5	Oklahoma City	OK	KOMA	1290	261d	
1547	KJMK	93.9	Webb City	MO	RDS PI 2906	1093	262d	
1550	KITX	95.5	Hugo	TX	Continuous Country Favorites	1228	253d	
1552	@KSOK	95.9	Winfield	KS	Best Country Around, Country 95.9 KSOK			
1602	KOEA	97.5	Doniphan	MO	Cardinals BB	921	257d	
1604	KYQQ	106.5	Arkansas City	KS	Mexican mx	1218	265d	
1605	KRIG	104.9	Nowata	KS	You're listening to 104.9 KRIG	1169	263d	
1607	KLLS	104.5	Wichita	KS	104.5 the Fox, Wichita, KLLS	1224	268d	

May 30 Es

0102	WSMR	89.1	Sarasota	FL	Life FM 89.1	1057	207d	
0833	KMNE	90.3	Bassett	NE	RDS PI 3106	1280	282d	
0930	CKSB-9	89.1	Fort Frances	ON	FF	1068	305d	
0936	CITI	92.1	Winnipeg	MB	Citi FM	1236	306d	
1120	WAQV	90.9	Crystal River	FL	Joy FM	938	211d	

June 6 Ms/Es

AM	@WLJK	89.1	Aiken	SC	RDS PI 72A8	658	219d		
1800	WIRP	88.3	Pennsuco	FL	SS, Miami-Dade mentions			1098	200d
1804	WMCU	89.7	Miami	FL	wmcuradio.com	1120	199d		
1812	WCMQ	92.3	Hialeah	FL	SS	1100	199d		
1830	WJYO	91.5	Fort Myers	FL	Turning Point w/ Dr. David Jeremiah.				
					Adventures in Odyssey	1084	204d		
1831	WCNO	89.9	Palm City	FL	USA Radio Nx.	1014	201d		
1832	????	89.5			// 89.1				
1840	@WEOW	92.7	Key West	FL	Calls, RDS PI A6BA				
1845	WPYM	93.1	Miami	FL	The New Party 93.		1088	199d	
1850	WKRY	93.5	Key West	FL	K 93.5	1207	202d		
1915	R. Progreso	90.3	Havana	CU	Mentions of Province Habana, Santa Clara				
2034	@WWNO	89.9	New Orleans	LA	// Internet1148		234d		

June 8 Ms

1627	WWKI	100.5	Kokomo	IN	RDS PI 8FCC w/country in Ms Burst.			In often here.	597
	270d								
1635	????	101.7			Nascar on Ms				
1658	@WTOT	101.7	Graceville	FL	"101.7 The Point" 921		225d		

June 10 Es

1325	WYPL	89.3	Memphis	TN	RDS PI 9599 LIBRARY Ment of Action Nx 5.				
1326	KUAP	89.7	Pine Bluff	AR	Soul	1057	250d		
1328	@WWGM	93.1	Alamo	TN	Gospel	860	250d		
1340	KZLC	93.1	Batesville	AR	Max 93.1 FM	987	254d		
1340	@WJJM	94.3	Lewisburg	TN	Trading Post. Shelbyville mentuions, phone				
					prefixes 359, 652, 684, 217		- 762	244d	
1341	KKLR	94.5	Poplar Bluff	MO	Clear 94	897	257d		
1342	@WMSK	95.3	Morganfield	KY	Eddie Duncan's Body Shop ***-2971			745	
1346	@WQXB	100.1	Grenada	MS	Ad for Grenada Lakes Blues Concert			970	
1347	????	101.1			Black station, Cabasha Financial Services			527-5288	
1350	@WFGZ	94.5	Labelville	TN	Froggy 94	800	248d		
1352	@KXMO	95.3	Owensville	MO	95.3 KXMO	912	263d		
1358	KIHT	96.3	St. Louis	MO	KIHT	848	264d		
1359	KSPW	96.5	Sparta	MO	Power 96.5 Jamz, RDS PI 3E0B	1037	260d		
1402	@KXOK	97.1	Florissant	MO	Mention of Illinois Gov, St. Louis mention				
1403	KXUS	97.3	Springfield	MO	US 97 Springfield	1018	262d		
1405	KFUO	99.1	Clayton	MO	RDS PI 1F4A, Classical Music for St. Louis	848	264d		
1409	KCLR	99.3	Boonville	MO	Country, Clear 94959		267d		
1410	@WZPL	99.5	Greenfield	IN	Z-99.5 Plays All the Good Ones	603	266d		
1412	KJMO	100.1	Jefferson City	MO	Classic Hits 100.1 KJMO	957	266d		
1415	@KLPW	101.7	Union	MO	Hwy 50 in Beauford	887	264d		
1422	KSRC	102.1	Kansas City	MO	I-29 & Tiffany Springs RDS PI 4144 Star	102			
1425	@KBEQ	104.3	Kansas City	MO	Q-104	1055	270d		
1426	KRES	104.7	Moberley	MO	RDS PI 3D5E	956	270d		
1429	@KLFC	88.1	Branson	MO	Point of View ending, not KJTY		1045	260d	
1430	@KTRM	88.7	Kirksville	MO	The Edge	940	272d		
1435	KCIY	106.5	Liberty	MO	Presumed w/Jazz1055		270d		
1436	@KULH	105.9	Wheeling	MO	Focus on the Family	983	271d		
1437	@WKOA	105.3	Lafayette	IN	Lafayette's Finest, 26 East in Lafayette			640	
1440	KMMO	102.9	Marshall	MO	on KMMO	988	269d		
1441	@WJEQ	102.7	Macomb	IL	328 North Lafayette, Macomb, ad for Macomb				
					Journal 833-2114836		273d		
1442	KRKN	104.3	Eldon	IA	Highway Inn Fairfield in Ottumwa		920		
1443	KSRZ	104.5	Omaha	NE	Star 104.5	1109	278d		
1444	????	104.7			IGA in Mulba Lake				
1445	@WWCT	105.7	Peoria	IL	Rock 105.7, Metal		774	274d	
1446	KCII	106.1	Washington	IA	AM and FM KCII	886	277d		
1448	KMEM	100.5	Memphis	MO	Bloomfield Ford, La Belle		916	273d	
1449	KKBZ	99.3	Clarinda	IA	800-595-7525	1069	275d		
1451	@KHAK	98.1	Cedar Rapids	IA	ad for amusement park in Rock Island			879	
1453	WDKB	94.9	DeKalb	IL	B95	739	279d		
1454	KTUF	93.7	Kirksville	MO	Carol Apothecary, Hwy 24W in Moberly				
1457	KIWR	89.7	Council Bluffs	IA	89.7 The River	1109	279d		
1458	WOI	90.1	Ames	IA	77 degrees in Ames and DesMoines			982	
1459	KIOS	91.5	Omaha	NE	91.5 KIOS FM	1107	278d		
1402	KLNE	88.7	Lexington	NE	This is listener supported KLNE				
					Lexington-Kearney RDS PI 2E62	1295	277d		
1505	@KLYV	105.3	Dubuque	IA	at the Arena in East Dubuque, more stopless				
					Y-105 music	832	282d		
1506	KLIQ	94.5	Hastings	NE	The Breeze	1260	277d		
1510	KHNE	89.1	Hastings	NE	//KLNE	1220	277d		
1510	KRGI	96.5	Grand Island	NE	Man to Man, RDS PI 3D88		1235	277d	
1511	KRGY	97.3	Aurora	NE	Merle Haggard, Marty Montell on the x				1219
					Legends of Country, Country 97.3 KR--				

1515	KKPR	98.9	Kearney	NE	Platte Valley State Bank in Grand Island		
1519	KRVN	93.1	Lexington	NE	Husker Ag Sales in Lexington and x Gothenberg, RDS PI 3F13	1309	278d
1522	KTNP	93.3	Bennington	NE	Lincoln Marine in Omaha	1109	278d
1525	KROA	95.7	Grand Island	NE	Christian	1234	277d
1527	@KBLR	97.3	Blair	NE	Urban	1116	279d
1528	KFGE	98.1	Milford	NE	Dixie Chicks	1177	277d
1529	@KBBN	98.3	Broken Bow	NE	RDS PI 12CB	1293	280d
1532	KZEN	100.3	Columbus	NE	Jo Dee Messina in town on July 12th		1192
1535	KLIR	101.1	Columbus	NE	Clear 101, RDS PI 2DED	1180	
1540	KAYL	101.7	Storm Lake	IA	Mix 101.7	1059	283d
1543	KBRX	102.9	O'Neill	NE	RDS PI 1475	1232	283d
1545	KTFC	103.3	Sioux City	IA	Ad for Medishare, Christian Health Care Plan		
1546	KAMI	104.5	Cozad	NE	In North Platte	1320	278d
1547	KKLS	104.7	Sioux Falls	SD	Hot 104.7, Wild Weather West	1156	287d
1553	@KTWB	101.9	Sioux Falls	SD	Country, KTWB	1146	287d
1558	@KQRN	107.3	Mitchell	SD	Q-107, Your At Work Station	1202	287d
1600	@KRSD	88.1	Sioux Falls	SD	81 on Thursday, Minnesota Public Radio		
1601	KDCR	88.5	Sioux Center	IA	KDCR	1109	285d
1602	@KJIA	88.9	Spirit Lake	IA	Farm Prices, Kinship Christian Radio		1085
1603	KMNE	90.3	Bassett	NE	NPR RDS PI 3106	1280	282d
1604	@KRNE	91.5	Merriman	NE	RDS PI 3E3A	1391	284d
1604	KNSW	91.7	Worthington	MN	Minnesota Public Radio	1099	288d
1606	KKRC	93.9			572-857, Valley, All the hottest sounds		
1608	@KPLO	94.5	Reliance	SD	RDS PI 38C8	1282	287d
1611	@KSQB	95.7	Dell Rapids	SD	Big Scott @ 3:11 on the Q 367-1777. KSQB Jingle	1142	287d
1613	@KGGK	98.3	Wessington Spgs	SD	Oldies, Cool 98	1222	287d
1615	93.9	KSOU	Sioux Center	IA	High School Sports on KSOU. ABC Sports		
1618	100.5	KIKN	Salem	SD	Kickin Country, Kickin 100.5	1174	286d
1622	KKCK	99.7	Marshall	MN	here on KKCK. Rap	1120	289d
1634	KCND	90.5	Bismarck	ND	near Jamestown	1352	296d
1635	@K213DI	90.5	Milbank	SD	refugeradio.com 212 Watts	1158	292d
1640	@KIXX	96.1	Watertown	SD	KIXX 96 at 3:44 let's go to the phone lines, B&B Homes is the place to go. Thru local WCTO.	1158	292d
1650	????	96.7			Rap, prob KKSr.		
1651	KDLO	96.9	Watertown	SD	Country	1186	290d
1652	@KBYZ	96.5	Beulah	ND	partyinthepasture.com 701-873-7778		1351
1654	@KKCT	97.5	Bismarck	ND	K-Country Country Cash World Tour. Red River Valley	1351	296d
1655	@KACL	98.7	Bismarck	ND	Low tonight 53.	1351	296d
1659	KFBN	88.7	Fargo	ND	Religion, Heaven	88.7	1188 299d
1659	@KBSB	89.7	Bemidji	MN	Northwest Minnesota Forecast for Bemidji 120 watts	1091	301d
1701	KXGT	95.5	Jamestown	ND	KXGT Jamestown	1255	297d
1703	@KUAL	101.5	Crosby	MN	Cool 101.5	1032	298d
1715	@WIRN	92.5	Buhl	MN	NPR	999	303d
1718	KNBJ	91.3	Bemidji	MN	William Mitchell College of Law		
1958	KXNE	89.3	Norfolk	NE	kornferry.com, thrivan.com, Thrivan x Financial for Lutherans	1168	282d
2000	KJTY	88.1	Topeka	KS	This is KJTY Topeka	1114	271d
2003	KMNE	90.3	Bassett	NE	RDS PI 3106	1280	282d
2005	CIWM	91.5	Brandon	MB	Canadian CBC Style programming		1359
2010	KPNE	91.7	North Platte	NE	RDS PI 38F2	1376	278d
2015	9@KVCF	0.5	Freeman	SD	Charles Stanley	1175	286d
2020	KIWR	89.7	Council Bluffs	IA	The River	1109	279d
2043	KRNE	91.5	Merriman	NE	RDS PI 3E3A	1391	284d

Close to cleaning out Kansas City, Sioux Falls and Bismarck, and the entire state of Nebraska (61 of 101 so far, including 61 of 88 1402 miles or less).

Total new ones: South Dakota 9; Missouri 7; Tennessee, Illinois, Iowa, Nebraska, North Dakota, Minnesota 3; Indiana 2; Kentucky, Mississippi 1 bringing total count up to 2420. A few more good openings and I could do 2500 by the end of the year, but I am running out of targets. Top Eskip states: Florida 158, Texas 116, Missouri 111, Minnesota 103, Louisiana 91, Mississippi 89, Arkansas 83, Iowa 79, Kansas 77, Oklahoma 69, Alabama 62, Nebraska 61.

EDITOR'S NOTE: I'd like to thank everyone who sent in their reports for this month's column. This is probably the largest column I've ever edited and hopefully the rest of them this summer will be as large or larger. As I was preparing this report on June 20 it was in the middle of almost 10 hours of skip (about 4 of it on FM). Heck I didn't even have enough time to include my own logs (that will happen next month).



# SATELLITE NEWS

George W. Jensen

4604 Anntana Avenue., Baltimore, MD 21206-4220

SCISATMAN@AOL.COM

Well, after 2 months of almost nothing to report, there is still not too much. But, here's what's new.

**Satcom C4** - transponder 601 - is still TV Games which was supposed to have left the air several months ago.

**Galaxy 1** - transponder 6 - TNN - currently IDing as the new TNN, but is supposed to be Spike at this writing 6-18. Beats me?

Several changes on **Telstar 7** - Channel 400 - Tennis Channel - new. Has anybody received any signal from Vision on 680 recently??? and 798 was TV Warehouse, but is now Enlace an International Hispanic religious broadcaster.

On **Galaxy 9** - transponder 3 - S Networks or Mainstream Television - I've seen several logos for this one - only in a preview mode at the moment, but appears to be aimed at Afro-Americans.

**Galaxy 5** - transponder 18 - TNN as reported earlier this is the East Coast feed.

**Galaxy 10** - several changes on the Pay-Per-View menu - Add 325 - Final Spin, 326 is called Eclectic331 and 332 are new porn channels, 335 - HotBodies 2, 336 - Scorch and 337 - Playboy with another Final Spin on 333. 894 - Cable Radio Network appears to be CSPAN audio.

**AMC1** - Prime Time 24 still here 6 - WABC, 10 - WKRN and 22 - WSEE all in VC2 and on 23 - TV Games - Horse Racing in VC2 has returned here also.

**Galaxy 4** - on Ku 4DTV - Outdoor Life Network on channel 421

**Galaxy 3** - XPDR 21 - DELETE AMERICA 1 - Very sad to see this one go (See next entry under Galaxy 11)

**Galaxy 11** - 4DTV - channel 604 - KVMD - Los Angeles - was America 1 affiliate - now running color bars with Comcast Uplink Center logo Denver, Colorado.

Program guide is still showing times and programs that are not there????? 800 - The SET is now gone - ID from receiver says Maybuhay???? whatever that is programming seems to be a repeat of 400 NBA Television

**Telstar 402** - Porn channels on this bird are name changing and I can't quite figure out what's going on here - seems to be close to what TVN Pay-Per-View is adding to their services.

Lastly **Intelsat 806** at 40 West - 4DTV channel 754 - Telecaribe having technical problems - no programming noted in several weeks.

That's all for this month - see you in 30 and ENJOY THE E-SKIP. George

## More Cuban TV Logos

Courtesy of Jesus Perez, Havana, Cuba



# Amplifiers for FM DXing

WILL ONE WORK FOR ME?

BOB COOPER

*"Right now, I'm just running RG-6 cable straight from my antenna into my tuner with no amp or anything. My DX location isn't ideal (2 miles from a 39kW FM and 50kW FM and 4 miles from an 18.5 kW FM and 50kW FM), but would 36 dBu signal amplifier with adjustable gain control help me out at all?"*

All receivers of any type have a "sensitivity threshold" defined as the amount of incoming signal required to cause the receiver to produce something watchable or listenable. In 1948, the typical FM tuner had a "threshold" of 30 microvolts. By 1952 it was 10 microvolts and improving each year. The "threshold" is established by a number of complex equations of which the most important is the "internal noise figure" of the tuner. All tuners equipped with an (FM band) tuner have a RF (radio frequency = 88 - 108 MHz) amplifier. The amplifier is the first active (electricity operated) "stage" in the tuner. It does two things: (1) It provides gain at the incoming frequency (88 - 108 MHz), and, (2) it creates a "threshold" for the sensitivity of the receiver. The "threshold" is determined by many factors but the single most important is the "noise figure." Think of noise figure as a wall - an electrical wall over which the signals must climb before they can be heard. The lower the noise figure, the shorter the wall - i.e. a lower wall allows "shorter" (as in weaker) signals to exceed the height of the wall. When the signal is greater (higher than) the "noise figure wall" then you begin to have reception (something you can see, something you can watch in the case of television).

Modern tuners (since say 1990 or so) are capable of producing reception you can "hear" with inputs as low as 1/10th of a microvolt. And at 1 microvolt, a decent tuner will produce enough "FM quieting" to allow you to understand much if not most of what is being said. They do this wondrous feat largely because the noise figure of the tuners have reached a plateau; a better lower noise tuner might be built but the natural noise of the world around you (coming from manmade and natural objects) is high enough that all you would hear with a lower noise figure (than we presently have available today) tuner is more noise - not more signal. The noise out there is a wall as well - and when the tuner's internal noise figure wall is equal to or better than the external (to your receiver) noise wall, that's as good as you are going to get.

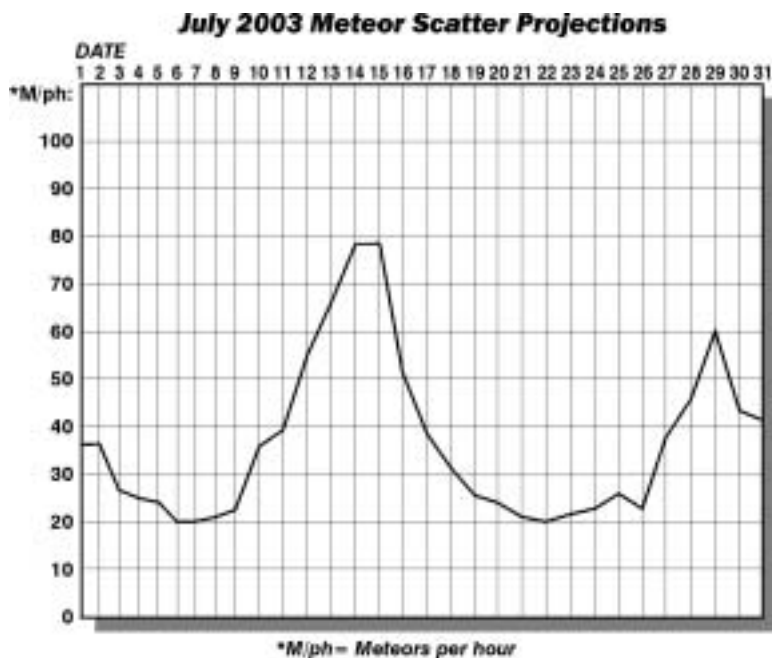
Now - what happens when you stick an amplifier in front of this FM receiver/tuner? Two things. First, the amplifier noise figure is ALWAYS higher than the noise figure of the RF stage of the tuner. Always. So by adding it, you have just taken a backwards step to a higher/taller "noise wall" at your receiver. Not desirable. Next, the amplifier has signal gain. Logic might tell you that if a signal is weak, "more gain" will give you better reception. Not true - the signal is weak because it is noise that is limiting the reception and now you stick an even higher noise wall ahead of the FM receiver/tuner and - AND - you amplify the new higher noise wall as well as all of the FM band signals by 10-20-30 (or whatever number of) dB.

More signal is good if there is less noise; not the case here. More signal is good if in addition to there not being more noise there is also a capability in the FM receiver/tuner to handle MORE signal. Unfortunately, sticking even ten dB of additional gain into a properly designed FM band receiver/tuner system is an almost guarantee the tuner will OVERLOAD - if you had FM splatter and images (stations appearing at several dial spots) before - BEFORE - you added the external amplifier, your new amplifier will create an even worse situation. Splatter - wiping out adjacent and 2X adjacent channels is an effect of a FM receiver which has inadequate IF (intermediate frequency) selectivity - the reason so many go to narrow band filters. Adding 10-20-30 db of MORE gain in front of the receiver only AMPLIFIES this problem.

Now in the rare situation where you try an amplifier and it actually makes reception better, what is this telling you? (1) The FM receiver/tuner you are using is old, has a high noise figure, needs realignment, should be trashed. (2) You live on an island someplace with NO local stations and have an older receiver which probably should be replaced anyhow. (3) You are using a GaAs-FET or H-MET transistor low noise amplifier with a built-in Interdigital tuneable filter and notch filter combination. #3 does not exist except in my mind and perhaps on Jim Gould's workbench!

Amplifiers? Not on FM. So how do you hear weaker stations? There is only one sound answer - capture more signal from the atmosphere as the signals pass by your location. Translation? Bigger, better, taller antenna. Anything else is a total waste of time, money and effort.

# Meteor Scatter Guide for July 2003



Well, what do we see here? We see a big spike on the 14<sup>th</sup> and the 15<sup>th</sup> of July, all due to the Southern Delta Aquarids and the July Phoenicids. Look also at the 29<sup>th</sup> and notice another smaller spike, but a spike nevertheless.

The meteors are out there, ready to aid your DXing. It's a good way to pick up a few new stations.

(Chart courtesy of Jim Thomas)

The schedule is:

Radiant	Duration	Peak Dates	Meteor Peak (per hour)
<b>Moderate Activity</b>			
Southern Delta Aquarids	July 14-August 18	July 28 & 29	15-20 meteors
<b>Minor Activity</b>			
Alpha Lyrids	July 9-20	July 14 & 15	20 meteors
July Phoenicids	July 9-17 /	July 14 & 15	30 meteors
Alpha Pisces Australids	July 16-August 13	July 30 & 31	5 meteors
Sigma Capricornids	June 18-July 30	July 10-20	5 meteors
Tau Capricornids	June 2-July 29	July 12 & 13	10 meteors
Omicron Draconids	July 6-28	July 17 & 18	5 meteors



## FM ATLAS #19

Bruce Elvings newest listing of FM Stations is just \$23.00. Send your check or money order to FM Atlas, P.O. Box 336, Esko, MN 55733-9413 and keep it next to your radio or in the glove box in your car.

## SPORTSRADIO

Jim Thomas tells you who's on what station and when. Send your check for \$21.00 to WTFDA, P.O. Box 501, Somersville, CT 06072. Make your check payable to *Dave Janowiak*.



# Es Going Long!

Bob Cooper

Gerard Westerberg and others commented on beyond Es distance reception at the end of an (intense) Es opening. He mentioned "*One characteristic of Es is that maximum path distance will occur just below the MUF cutoff. That makes sense because that's the point at which refraction is just sufficient to return the signal to earth. In most cases we can tell that we are reaching the end of an Es event when the path distances "go long."*

Once again I strongly urge members to acquire a copy of "Beyond Line of Sight" - "A History of VHF Propagation from the pages of QST" by the ARRL.

And in this instance page 146 entitled "Ionospheric Scatter By Field-Aligned Irregularities at 144 MHz."

FAI is a little understood artifact of normal Es occurring just as and shortly after the normal E layer propagation has ceased to work. It is of interest here as it at least in time sequence dovetails neatly with the observations reported by Westerberg, Doug Smith and others - reception beyond normal Es distances just as the Es event was terminating. FAI involves a scattering mechanism in the E layer, thought to be the result of the Es cloud breaking up and dissipating perhaps to a slightly higher (more elevated) altitude where there is a momentary (may last up to 2-1/2 hours) recombining ALONG LINES OF MAGNETIC FORCE. The essence is signals at least to 144 MHz (amateur two meter band) have been found to exist over paths in the Es distance

region (up to 1400 miles nominally) on around half of the days when 50 MHz Es occurring later in the afternoon/early evening has just died. Note that during the 50 MHz opening itself, normal Es, there was no 144 MHz Es event noted. It is after the event when the FAI propagation seems to appear. Amateur observations dating back to 1978 indicate that FAI is most likely to occur on more or less east-west paths, that FAI events are no more likely to occur after a very intense direct Es opening (i.e. having Es MUFs to 144 MHz does not appear to enhance the likelihood that 144 MHz FAI will follow the break up of "normal" Es).

FAI signals tend to be quite stable (not with heavy fading, often with no or very slow fading other than a gradual build up, leveling off, then gradual build down), and at amateur 144 MHz equipment levels, varying from just out of the receiver noise to as much as 30 dB (a bunch in anyone's book) above receiver noise.

There may be nothing more than coincidence here but Doug Smith and Gerard's loggings at least fit the time frame for FAI. And almost nothing is understood about FAI - if you think Es is a mystery, try to find authoritative references on VHF FAI!

Anyone who really wants to understand the basics of wave propagation needs to have a copy of the afore mentioned ARRL publication. Nothing else comes close to establishing the "limits" of VHF (and UHF) wave propagation in such plain talk language.

---

## THE LAMENT OF ANALOG TV DXING

ROY BARSTOW

Have you ever laughed so hard you started crying. I felt that way the other night after trying for new DTV catches. After throwing the big switch and calling it a night. It was the contrast between analog and digital dxing. In the courtroom one may have to answer yes or no, but there are a lot of grey areas. All through life there are lots of grey areas. Dxing digital is like there is a signal or there isn't a signal. Yes or No. But times change and we

are supposed to go along with it. I got a computer and am trying to learn about it. Like an old dog can learn new tricks. But let me tell you, I for one am going to miss Analog TV. Many a night I spent looking at a weak signal and just trying to log one new station. It was fun. It was a challenge. Many little tricks I learned to enhance DXing. Now the demise of analog tv dxing is like losing a long friendship; it is slipping away in the darkness.

## SIGN UP/Renewal form

Name \_\_\_\_\_

Address \_\_\_\_\_ Apt # \_\_\_\_\_

City \_\_\_\_\_ State/Prov \_\_\_\_\_ Zip \_\_\_\_\_

Country \_\_\_\_\_ Interests: TV ( ) FM ( ) 30-50( ) Weather( )

email address \_\_\_\_\_

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

Yearly dues \$24 to US addresses, \$26 to Canada and Mexico  
\$38 to the rest of the world (payable in U.S. Funds)

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

**Make your checks/money orders payable to: DAVE JANOWIAK**

**And *thanks* for your support of the WTFDA!**

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

### WTFDA BOARD OF DIRECTORS

Mike Bugaj, use the WTFDA Mailing address listed below

Tom Bryant, 849 Todd Preis Dr., Nashville, TN 37221-2607

Greg Coniglio, 90 Slate Creek Dr #3, Cheektowaga, NY 14227

Bruce Hall, 5 Stirton Ave., Brantford, ON N3T1E2

Dave Janowiak, 5023 S. 65<sup>th</sup> St., Greenfield, WI 53220

mbugaj@snet.net

tjbdx@comcast.net

coniglio@adelphia.net

dbuceaa@hotmail.com

tvdxer@hotmail.com

\*\*\*\*\*

### THE MAILBOX and all general club correspondence:

WTFDA, PO Box 501, Somersville, CT 06072

mbugaj@snet.net

### SATELLITE NEWS

George Jensen, 4604 Antanna Ave., Baltimore, MD 20206-4220

scisatman@aol.com

### TV NEWS

Doug Smith, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098

w9wi@w9wi.com

### FM NEWS

Steven Wiseblood, PO Box 2406, S.Padre Is. TX 78597-2406

stevenwisebl@hotmail.com

### PHOTO NEWS

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

jkruzka@bellsouth.net

### EASTERN TV DX

Matt Sittel, 15013 Eureux Circle, Bellevue, NE 68123

mcsittel@cox.net

### WESTERN TV DX

Victor Frank, 12450 Skyline Blvd., Woodside, CA 94062-4554

victor.frank@sri.com

### SOUTHERN FM

John Zondlo, 4889 Driftwood Cir., Yukon, OK 73099

sfm@fmdxweb.com

### NORTHERN FM

Keith McGinnis, 387 Shirley Street, Winthrop, MA 02152

longwave@attbi.net

### VERIFICATIONS AND QSL SIGNERS

Tom Yingling, 221 Pinewood Road, Baltimore, MD 21222-2345

ka3tcc@erols.com

### TV and FM STATISTICS

Fred Nordquist, 7945 Boxford Road, Clay, NY 13041

nordquis@twcny.rr.com

BACK ISSUES Dave Nieman, PO Box 17, Clarence, NY 14031-0017

nieman@localnet.com

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

WEBSITE Tim Mcvey Webmaster <http://www.anarc.org/wtfda/>

tkmcvey@erols.com

**Please Remember to Make Your Renewal Checks Payable to Dave Janowiak  
Checks made payable to WTFDA may be returned and your renewal may be delayed.**