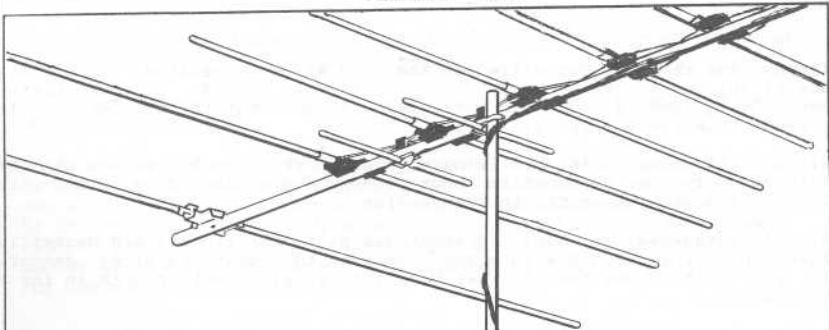


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 1993



IN THIS ISSUE:

SPECTRAL ANALYSIS
OF METEOR SCATTER
FM DX!

KANSAS DXER'S GIANT
HOMEBREW UHF DISH!

SUMMARY OF LAST YEAR'S
TV E-SKIP SEASON!

FIRST DETAILS ON
CONVENTION 1993!

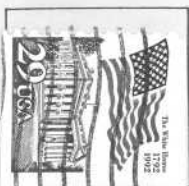


WORLDWIDE TV-FM DX ASSOCIATION
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first class mail

11/93
WILLIAM N NOLLMAN
35 NYE ROAD
GLASTONBURY CT 06033



Nashville

1993

WRITTEN BY TOM BRYANT

Thanks for choosing Nashville for the 1993 WTFDA Convention. Make plans now to join us in 'Music City U.S.A.' July 22-23 and 24. As your hosts, Doug Smith and I will do our best to see that the get-together is top-notch in every respect.

Although planning is in preliminary stages, we thought you might be interested in some information about Tennessee's Capitol City, along with ideas we're working on for the Convention.

Middle Tennessee is home to about 1.5 million residents and Nashville itself has grown from a sleepy southern city to a bustling urban center. If you think "Hee Haw" is what Nashville is all about, you're in for a big shock.

Since this is a tourist-oriented area, you might want to consider bringing the family and making this a part of your summer vacation. Aside from local attractions (more on that later) we're within 200 miles of Graceland, Mammoth Cave, The Alabama Space and Rocket Center, the Great Smokey Mountain National Park, Jack Daniel's Distillery, and many points of interest in the Chattanooga area.

Nashville is situated on three Interstate Highways; and is a hub city for American Airlines. The sparkling new airport is also served by Delta, US Air, TWA, United, Northwest and Southwest as well as several regional commuter lines. Greyhound has frequent service in all directions...there is no Amtrak service at this time.

We will make every effort to provide airport transportation for those who need it. Taxis are expensive and public transportation is marginal, so if you fly in and want to do any sightseeing...you'll probably need to rent a car. There are several tour companies that offer excellent bus trips to homes of the stars, historic sites, and other points of interest.

The exact Convention site has not been chosen, but we are concentrating on a suitable location within 15 to 25 miles of the city. This would likely mean lower room rates, and would get us away from the worst of the traffic problems. It would also put a little distance between the Convention location and most of the local FM and TV transmitter sites.

We plan to have a dx setup at the site with VHF, UHF and FM antennas. Bring your favorite piece of gear if you'd like to 'test drive' it in Tennessee. A VCR and tv will be available for viewing dx tapes.

DXer oriented tour possibilities include WSMV (channel 4), WSM AM/FM, and TNN/CMT (The Nashville Network and Country Music Television). Two outstanding area engineers are under consideration as possible guest speakers. Aaron Shelton joined WSM shortly after it went on the air in 1925, and later retired as chief engineer of WSM-tv. Hugh Hickerson, also a former channel 4 engineer, is now Director of Engineering for Gaylord Entertainment Corporation and heads up operations at WSM AM/FM as well as the Nashville Network, CMT, CMT/Europe, and the rest of Gaylord's domestic radio and television operations. These two gentlemen are well qualified to present a perspective of the broadcast industry from its earliest days to the present...as well as a look at the multitude of technological changes on the horizon. They are both 'dxer friendly'.

PLEASE TURN TO PAGE 27 ➡

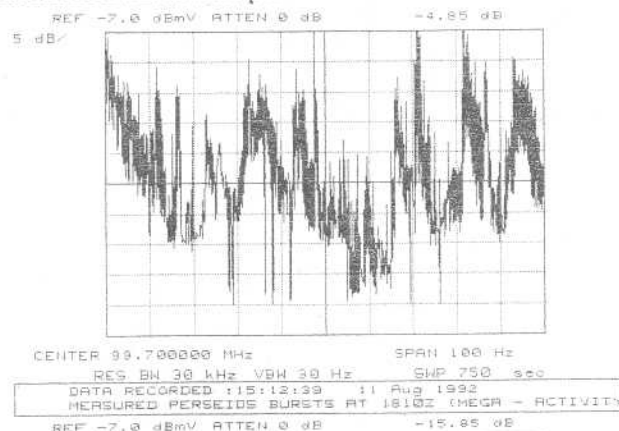
SPECIAL REPORT

SPECTRUM ANALYZER OBSERVATIONS OF PERSEIDS METEOR SHOWER: 1992 by Jerry Monroe

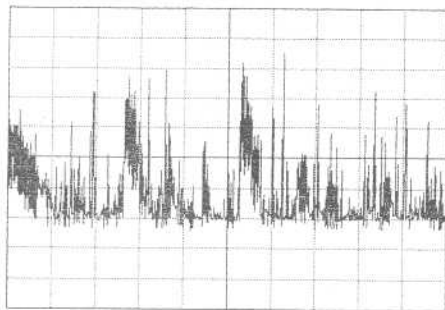
Setup: HP8568A Spectrum Analyzer as fed from a folded dipole 10 feet off the ground. A bandpass filter and 40db of RF gain is used to achieve good noise figure.

99.7 is chosen because of no nearby stations (Pittsburgh is at 275 miles and is in on scatter maybe one to two minutes an hour.

The Spectrum Analyzer is used in the zero span mode (in other words a fixed frequency receiver); the displays or plots merely reflect a signal popping up out of the noise floor over one long sweep of 750 seconds. Each horizontal line is 75 seconds or 1 1/4 minutes. Vertical divisions are 5db per division. Res BW or resolution bandwidth is the IF bandwidth of the analyzer and is chosen at 30 khz (lousy for audio, but perfect for this application). VBW is video bandwidth or additional filtering of the displayed signal. Since we are interested in signal amplitude, only a very low frequency is chose (30 Hz). Note both local and Zulu time is used in plots

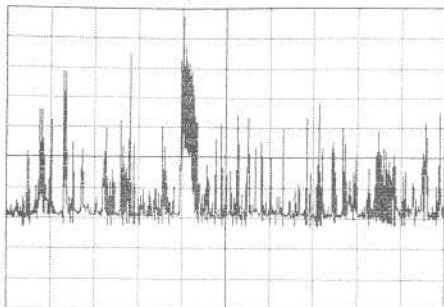


-7.0 dBmV ATTN 0 dB



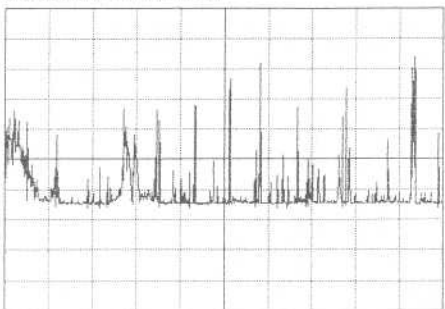
99.700000 MHz SPAN 100 Hz
 BW 30 kHz VBW 30 Hz SWP 750
 RECORDED :12:01:18 11 Aug 1992
 PERSEIDS BURSTS AT 1600Z

-7.0 dBmV ATTN 0 dB



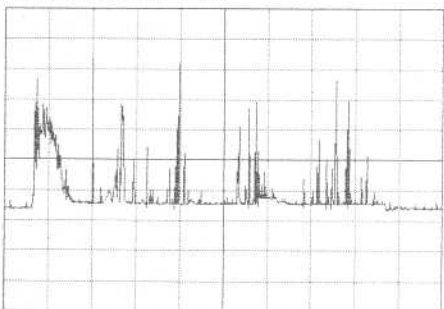
99.700000 MHz SPAN 100 Hz
 BW 30 kHz VBW 30 Hz SWP 750
 RECORDED :13:45:54 11 Aug 1992
 PERSEIDS BURSTS AT 1745Z

-17.0 dBmV ATTN 0 dB



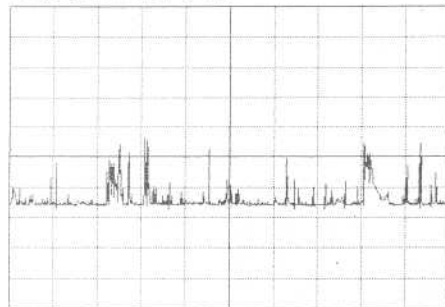
99.700000 MHz SPAN 100 Hz
 BW 30 kHz VBW 10 Hz SWP 750
 RECORDED :16:35:11 11 Aug 1992
 ACTIVITY 2035Z (SLOW DOWN IN BURSTS)

-17.0 dBmV ATTN 0 dB



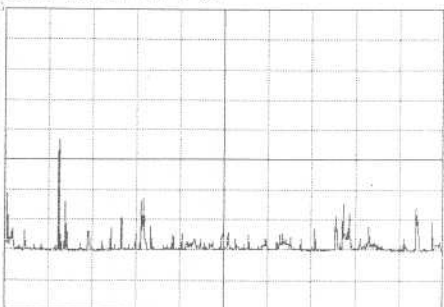
99.700000 MHz SPAN 100 Hz
 BW 30 kHz VBW 10 Hz SWP 750
 RECORDED :17:24:59 11 Aug 1992
 2125Z 5:35 PM EDT -- SLOWING DOWN

-17.0 dBmV ATTN 0 dB



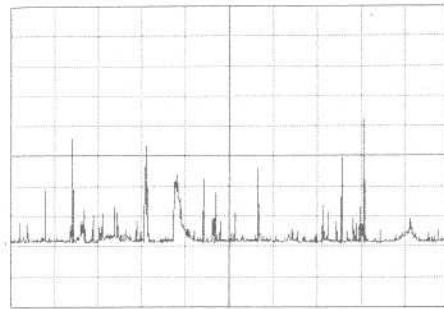
99.700000 MHz SPAN 100 Hz
 RES BW 30 kHz VBW 10 Hz SWP 750
 RECORDED :09:21:50 12 Aug 1992
 1220Z WED. MORNING

-10.0 dBmV ATTN 0 dB



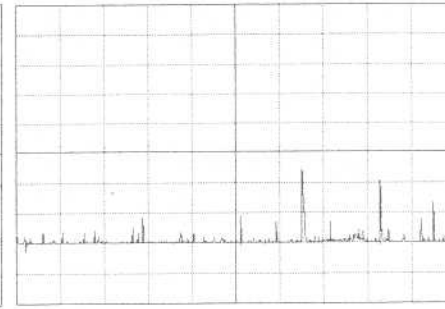
99.700000 MHz SPAN 100 Hz
 BW 30 kHz VBW 3 Hz SWP 750
 RECORDED :11:27:48 12 Aug 1992
 1127Z WED. MORNING

-10.0 dBmV ATTN 0 dB



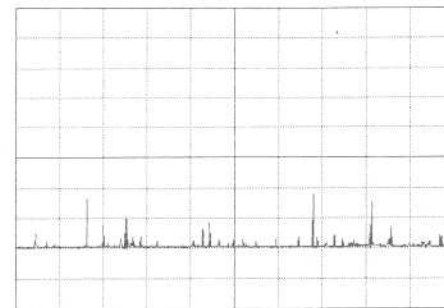
99.700000 MHz SPAN 100 Hz
 ES BW 30 kHz VBW 3 Hz SWP 750
 RECORDED :11:58:36 12 Aug 1992
 2000Z WED. AFTERNOON UNLIKE TUESDAY

-10.0 dBmV ATTN 0 dB



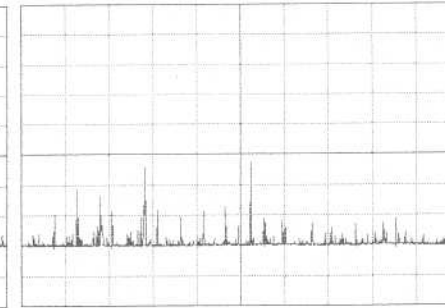
99.700000 MHz SPAN 100 Hz
 BW 30 kHz VBW 3 Hz SWP 750 sec
 RECORDED :09:54:59 13 Aug 1992
 1300Z THUR. MORNING - CX BK TO NORMAL

-53.1 dBm ATTN 0 dB



99.700000 MHz SPAN 100 Hz
 ES BW 30 kHz VBW 3 Hz SWP 750
 RECORDED :17:00:11 14 Aug 1992
 ACTIVITY 2100 Z ON FRIDAY AFTERNOON

-52.8 dBm ATTN 0 dB



99.700000 MHz SPAN 100 Hz
 BW 30 kHz VBW 3 Hz SWP 750 sec
 RECORDED :09:23:18 17 Aug 1992
 ACTIVITY 1200 Z ON MONDAY MORNING

Test Results: When I decided to check out conditions this particular "work" day the Perseids were obviously in full swing on Tuesday August 11, 1992. The first plot taken at noontime that day shows tremendous activity, which actually builds over the next several hours and drops off as the 1635 plot shows. The 0821 Wed. morning is very down from the previous afternoon but not anywhere near the activity 24 hours earlier. Plots are then taken over the next several days, showing MS conditions returning to typical average, 2-3 bursts per minute.

Comments: You might wonder how does this translate into what you might hear on your FM receiver. Well, the latter plots show typical bursts of 1-2 second length, enough to hear call letters of geographical information, i.e. "Key West". On the other hand Tuesday afternoon activity was non-stop. I was simultaneously listening to 99.7 on my IF modified Sony-ICF 5900W (a decent DX machine with a bandpass filter in front of it). This was not typical MS conditions. Multiple stations were coming in, making IDing almost impossible, all clear and semi-clear channels were jammed with stations, it almost seemed as if my radio was suffering from a severe case of overload inter-mod distortion. At break time I retreated to the confines of the DX-mobile in the parking lot (K-Mart radio, 130 khz filters, 20 dB pre-amp, bandpass filter, and a parts of phased quarter wave verticals). The same conditions existed with IDing being very difficult, the bursts were on top of bursts, kicking in with an E-skip type of signal strength, but not nearly as stable as E-skip is.

Of course, by 5 p.m. (1700) quitting time, conditions had retreated, with the next day being very down from Tuesday's levels. In retrospect as I submit this article, the Perseid activity that afternoon was phenomenal.

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada
FEBRUARY 1993 → **DEADLINE: The 5th** → **LOG CUTOFF: 2 months from postmark**

November had several e-skip openings, perhaps the most heard being on U.S. election night, the 3rd. December also had some interesting tropo catches along the east coast, during the middle of the month. Perhaps the most widely heard e-skip opening of this off-season was the late night opening of December 20/21st, which according to some lasted until as late as 4 a.m.! If you have had some DX, let's hear fro you today!.....

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080

Equipment - McIntosh MR-78 tuner/stacked Stereo Probe 9s + a single Stereo Probe 9, on rotors, at 40 ft., Bolin phase box.

NOVEMBER 1992

Time: ELT	20 Es	20 Tr
3 Es	2301 KNTU 88.1 TX Denton, ID, "Jazz and more" 1354	
2107 WQID 93.7 MS Biloxi, ads, call 1075	2308 CBEB 89.7 ON Manitowadge, CBC English 812	
2021 [WQVE]93.3 LA New Orleans, ads, Saints promo, "Q-93" 1147	2316 WIMI 99.7 MI Ironwood, call, o, 887	
8 GW	2320 WWIS 99.7 WI Black River Falls, local ad, partial ID: "--IS and AM 1260", o 878	
1100 [WKHL]96.7 CT Stamford, legal ID, "Kool" (strict), o, ex: WSTC/WYRS/WJAZ/WQQQ 57	2322 KQDS 94.9 MN Duluth, "95-KQDS", r 982	
20 Tr	2330 CBON-22 93.7 ON Geraldton, CBC French 880	
2355 [WKOE]106.3 NJ Ocean City, k, ID ex: WSLT and c 89	2359 KYYY 92.9 ND Bismarck, "Y-93", r 1384	
22 GW with phasing	21 Es	
0800 [WHCY]106.3 NJ Blairstown, call, "Hot Country", ex: WFMV 40	0001 KFJM 89.3 ND Grands Forks, ID, looking for \$\$\$ 1230	
DECEMBER 1992	0003 KCND 90.5 ND Bismarck, list of ND public radio stns, ND wx, c, 1384	
02 GW	0011 KQAA 94.9 SD Aberdeen, "Kool 95" + call, o 1262	
2150 W289AA 105.7 NJ Lebanon Twp. translator of WWFM-89.1 27	0020 KMFY 96.9 MN Grand Rapids, call, ads 1055	
14 GW	0032 KOLX 106.1 ND Lisbon, ID, "Hit K'tckin' Country for the Dakotas" 1232	
2102 [WROZ]101.3 PA Lancaster, ID, "The Rose" (strict), Music of the 80s and 90s, ex: WNCE 122	0034 WHMM 101.7 MN Sauk Rapids, ID with WVAL-660, "MN's Best Rock" 1055	
15 GW	0052 [KGTR] 92.1 SD Huron, call, o, still on 92.1, ex: KIJV 1250	
1709 WRNJ 107.1 NJ Belvidere, call, nx country format 41		

dBRUCE HALL - 5 STIRTON AVE - BRANTFORD, ONTARIO CANADA N3T 1E2

Receiver: JVC JR S201 analog receiver with 3 110 khz filters, Sleuth 205 amp, Probe 9 fed with RG6 at 50 feet AGL. Crown rotor, distances are in kilometres.

DECEMBER 1992 DX

2 GW	0643 C--- 92.5 ON Toronto, k\$, "92 Point 5 Mhz Rawlco Comm. Toronto", two weeks of endless electronic boop, loop with ID every 6 min 94
4 TrS	0756 WRLF 94.3 WV Fairmont, op, "Central WV's home of r&r, WRLF" then a WV song 404
8 MS	0737 WNFEB 94.3 FL Lake City, rm, B94 "Sportsbreak B94-NFB" 1451
11 MS	0803 CHIQ 94.3 MB Winnipeg, r, "Generic Drug Companies", recognized newsman's voice from previous log on tape 1494

DECEMBER 13 Geminid MS

0845 WRCR 94.3 IN Rushville, mr, Stereo 581
94 WRCR Rushville
1000 WGMX 94.3 FL Marathon, Mix, lgl ID 2047
Record one-hop MS distance
1952 WDEC 94.3 GA Americus, k, "94 point 3 WDEC", in FM Atlas as 94.7 1259
14 Geminid MS
0826 WDBL 94.3 TN Springfield, mk, "Springfield Fire Department, Toys for Tots", phoned station to confirm my 600th logging from one location since 04/90 (congrats!-gc) 924
22 TrS & MS
0654 WXTU 92.5 PA Philadelphia, k, country music followed by "Philadelphia WXTU" 556
0726 WJJQ 92.5 WI Tomahawk, k, calls "WJJQ" heard on tape 796

Toronto's new country station on 92.5 (Rawlco Communications) sign on delayed up to 90 days past December 17th (update: noting back on testing as of January 6th-gc). I hope they use all 90 of them, so more MS catches can be made prior to sign on. Rawlco hopes to be on before 90 days. Many thought they were already on in Toronto when a clear country signal was heard in December. Those many were treated to Rochester's DX of WBEE due to a weather enhanced signal. The best well kept secret as of yet in these parts is their calls and non ID?

73 dB

NORTHERN FM DX

FEBRUARY 1993

Paul Mount Box 126 Lincroft, NJ 07738 (908) 591-2522 [08-midnight]

Equipment: Onkyo T-9090 II (standard 150khz filters), CM-4408 (SP-9) at 30' w/CM9510A rotor, RG-6, Archer FM amp # after slogan is dB reading /Onkyo; compare to typical Philly (63), NYC (98)
 New loggings underlined, except tentative. Box around new political units

August 3, 1992 Tr

2220 WKLO 104.5 MA Fitchburg r, call, 67db 197
2229 WCDJ 96.9 MA Boston ID, 80 213
2230 WBMX 98.5 MA Boston "Mix 98.5", 81 213
2241 WBOS 92.9 MA Brookline r, ID, 73 211
2243 WHJX 106.7 MA Boston rm, "magic 106.7" 213
2247 WWRX 103.7 RI Westerly rp "WRX" 143
2251 WSSH-Im 99.5 MA Lowell r, ID w/Boston, 74 218
2258 WCGN 105.5 CT Groton r, "Q-105" 124
2305 WCRB 102.5 MA Waltham c, news, 75 208
2308 WZLX 106.7 MA Boston rc, ID, 80\$ 213
2310 WWLI 105.1 RI Providence rm, "Like 105" 178
2313 WWBB 101.5 RI Providence o, "B101", 73 178
2326 WZOJ 94.5 MA Boston r, "ZOJ", 70 213
2327 WHJY 94.1 RI Providence rp, "94HJY", 75 178
2331 WHUS 91.7 CT Storrs p, ID, 59\$ 142
2336 WZBG 97.3 CT Litchfield ads, "1m97.3"+CL 109
2350 WSR9 96.1 MA Worcester ads, ID 181
2353 WSNE 93.3 MA Taunton r, "...the mix", 91 194

4 Tr to Boston and beyond continues

0001 WJFD 97.3 MA New Bedford e, portuguese 193
0014 WBLO 99.3 RI Block Island ID, 59\$ 150
0030 WHOB 106.3 NH Nashua r, "new 8106.3FM" 219
0114 WLYT 92.5 MA Haverhill rm, "Boston's" 232
Lite 92.5', 65 89.5
0130 WGOY 93.7 MA Lawrence rp, ID w/Boston 226
0140 WBQQ 99.3 ME Kennebunk c, "W-Bach", 42 280
0225 WODS 109.3 MA Ellenville o, "Oldies 103FM" 213
0235 WWWW 93.3 NY Eltonville rm, "99.3 K-llie", 44 93

22 Tr after seeing NC TV at Joe Fela's

2302 WDLX 93.3 NC Washington r, ID past WMMR 368
2315 WKTC 96.9 NC Goldsboro k, "K Country" 401
2320 WKJX 96.7 NC Elizabeth City k, "Kix Country" 302
2340 WUSQ 102.5 VA Winchester ads, "0102" 225
2358 WDNO 95.3 DE Laurel sign off 145

23 Tr continues

0020 WKUL-Im 103.1 VA Culpeper k, "great k hits..." 236
0033 WRAH 96.1 NC Raleigh r, "ite 96.1", 54 398
0056 WCRB 95.3 NC Wanchese r, "beach 95 FM" 322
0108 WKHK 95.3 VA Col. Heights k, "k-95" 277
2235 WRSF 105.7 NC Columbia r, "all hit surf 106", 327
overloading 105.9
2240 WWOV 102.1 PA DuBois k, local spots 243
2359 WWSL 89.5 MD Salisbury c, ID 157

Notes: 8/3-4 shows mostly new stations as I worked on my 'hit-list' of needed Boston/area stns, still need the 104.9 Gloucester, 90.9, and other educationals. Not too much trouble getting thru co-channel NYC stations to NNE at 26 miles, but couldn't get an ID out of my favorite Providence station, WBRU-95.5. Hadn't ever heard Maine / anywhere in NJ; Bill N mentioned possibility tonight, given opening strength, but he was thinking 102.9 (tried, not heard); his phone was busy when I tried to call about WBQQ; RKS couldn't hear, too late for others or no answer. 8/23-24 Norfolk so strong it came in when pointed NW as well as SW, ruling chances for other central PA like 102.9. 9/14 had unexplained WCHR on 94.9, not // 94.7 either. They have no xlr there per call (and null for WJLK-94.3) No luck at 98.9/107.9 VT or any Montreal. Lotsa tip trading w/ Bill N, Bill B, Joe F, Bob S, Eric F and even Clarke Ingram. What do you call these cx, especially when MI, NB are heard within 10 minutes of each other? By 11pm I was so crazy from this day, I left to go hear WSLT-FM-106.3 go country, but there was no fanfare. 12/15 Thanks to Rich Shafan tip "I'm trying to work at home but all this tropo...". No luck at NC TVs JF had. Had to leave 1815. Greg, good thing you type fast, first attempt preparing contribution myself (Microsoft Excel) took hours! Good DX to all in '93.

ROBERT S. ROSS - VE3 JFC - BOX 1003 STN B - LONDON, ONTARIO CANADA N6A 5K1

NOVEMBER 1992 DX

11 Tr	2035 WHAD 90.7 WI Delafield, talk about labour equality, ID on hour, ment. U of Wisc 2044
2044 WVGR 104.1 MI Grand Rapids, fund raiser ph# 313-764-3434, ment U of Mich, lds 2230	
{WNUC} 107.7 NY Wethersfield, c/w mx new format, "New Country 107.7"	

Aug 24 Tr continues

0004 WHOV 88.1 VA Hampton sj, ex-88.3 260
0032 WNOR-Im 96.7 VA Norfolk rp, "the rock 'n' 279
roll station" WRKS unusually weak this am at 26 miles
0037 WKJX 96.7 NC Elizabeth City k, "kix K" (pest) 302
0057 WNHW 92.5 NC Nags Head k, "carolina 92" 314
0100 WCID 89.1 NY Friendship g, ID, had antenna 238
pointed S to get away /w/du, what a surprise
0110 WKOC - I 93.7 NC Elizabeth City r, // 94.1, tentative 302
0118 WMXW 103.3 NY Vestal r, "mix 103" men- lions southern tier 151
0150 WVES 99.7 VA Accomac ID 200
1032 WPJB 102.3 RI Narragansett Pier, r thru WNEW 162
2144 WFXR 93.5 MA Harwichport r, "101 M" 234
2148 WFAL 101.1 MA Falmouth r, //93.5 thru wchs 204
2200 WCOD 106.1 MA Hyannis o, "cape cods" 225
greatest hits" (what does that make wpa?) 181
2205 WATB - t 103.9 MA S. Yarmouth tent-ment MA wx 230

Sept 14 Super Tr

1100 CFMX 103.1 [CN] Cobourg c, ID mentions 96.3 319
1130 WWKL 94.9 PA Harrisburg o, "kool 94.9 fm" 139
1150 WXTK 94.9 MA W. Yarmouth talk 226
1230 WMJQ 102.5 NY Buffalo r, "102" at mall 296
1313 WWIS 99.7 [WI] Black River Falls 89.5
1856 WUGN 99.7 [MI] Midland nx, clear ID, time g, ID + address 560
2003 CIOK 100.5 [NB] St. John nx, "K-100, your 535
information leader in St. John, was looking for wvor
2037 WMRV 105.7 NY Endicott r, ID 152
2045 WVBF 105.7 MA Framingham r, "Boston 105" 196
2047 WHOM 94.9 NH Mount Washington, rm 310

"soft & easy favorites" (finally)

2051 WSR9 96.1 MA Worcester rm, "love songs..." 181
2057 WCRB 99.9 MA Barnstable t, "pm cape cod" 224
2100 CBD-Im 91.3 NB St. John t, CBC St. John id 535
2124 WBOS 92.9 MA Brookline r, ads 211
2135 WEZF 92.9 [VT] Burlington rm, ads, ID 288

nothing else on note heard over the next hour, then see notes

Dec 15 Tr

1742 WFRE 99.9 MD Frederick k, ID 181
1750 WANV-Im 99.7 VA Staunton o, "50,000 waits of 301 your favorite oldies, oldies 99.7 wavn-fm"
1755 WIMX 99.3 PA Harrisburg r, "mix 99.3" 139
1800 WWMQ 104.7 MD Hagerstown mb, local ads 191
1801 WGC8 - t 96.1 PA Red Lion tent, gospel 129
1801 WYCR 98.5 PA York r, "98 YCR" 135

CHAW
Radio Western
94.7 FM

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11 tuner IF filter modified. Channel Master Stereo Probe 9 at 36 feet on crankup tower, Channel Master 3617B VHF at 23 feet into phase box. Alliance HD-73 rotor and RG-11 coax.
New loggings are underlined. New call {K K K K}. New propagation mode WWW.

DECEMBER 1992 DX

4 tropo
1418 92.5 ON Toronto, S 64
see note 1
20 tropo & E-skip
1702 WCOT 90.9 NY Jamestown, ID 70
gS, see note 2
1800 WCYI 88.9 NY Canandaigua, ID 63
gS, see note 2
2355 CJKR 97.5 MB Winnipeg, "Classic 29 Meteorscatter Rock-97.5", rS 1007
promos/ads

DECEMBER 1992 DX

21 E-skip
0001 KXAR 92.3 MN Alexandria, ID+ "KX-92", rS 855
cx-92.7
0014 KSDZ 95.5 NE Gordon, call, kr mono, see note 3 1192
0024 KKOK 95.7 MN Morris, call, rS 879
w/t Carver TX-11a tuner
29 Meteorscatter
1530 WVXU 91.7 OH Cincinnati, call, S 411
prev. tropo, see note 4

NOTES:

- (1) New station testing, identified as Row/Co Communications in Toronto.
- (2) New stations testing, Family Life Network. WCOU Warsaw NY back on and testing in group.
- (3) Mention country format from 6AM-6PM but playing 60's rock-n-roll when heard.
- (4) "...your listing to the WVXU stations..."

Hope anyone had as good a Christmas as I did. The wife finally got me what I've wanted for the past several years: a new DX tuner and a Carver TX-11a too. That's really two new DX tuners: a new one for home and the old Carver for the mountain site. I'm holding off changing the TX-11a's IF filters till the 30 day warranty runs out. I guess there's a switch inside that will change the FM tuning increments from 100kHz to 50kHz. I'll have to look for that too when I get it opened. Dave

DAVE NIEMAN-HO STA GEH, ROAD-ROCK CITY, NEW YORK

Equipment: Technics ST-8080 tuner IF filter modified. Antennacraft FM-10 at 25 feet, RG-6 coax and Radio Shack rotor.
New loggings are underlined. New call {K K K K}. New propagation mode WWW.

DECEMBER 1992 DX

20 Groundwave & tropo
1000 WCOT 90.9 NY Jamestown, ID 40
gS, new to air testing
Family Life Network
1200 WCYI 88.9 NY Canandaigua, ID 86
gS, same as above

DECEMBER 1992 DX

27 tropo
1200 W214AB 90.7 PA Altoona, WFRJ ID 105
gS, Family Radio
w/t Carver TX-11 tuner
30 Troposcatter
1019 WYFI 99.7 VA Norfolk, call, gS 388

Took the old Carver TX-11 tuner down here (Dec 30th) for the first time since installing the FM antenna on the cabin. It's a much better tuner than the Technics in both selectivity and sensitivity. Nothing new was heard on the 30th but frequencies were more active and signals were much stronger with the Carver TX-11. Dave

WELCOME NEW REPORTER!!



RICH GALLISON - RFD #1 BOX 2190 - CHARLESTON, MAINE 04422

Receiver: Sansui 5900Z, RS FM/TV antenna at ≈ 20 feet.

DECEMBER 1992 DX

12 MS?
1844 WCFR 93.5 VT Springfield, "Now, WCFR wx" Groundwave? MS burst? (could be either. At that short distance I would guess GW but you can't rule out MS that short-gc)
13 MS
1803 WKQI 95.5 MI Detroit, "Q95FM soft hits with no hard rock..."
1829 WJSA 93.5 PA Jersey Shore, "WJS..." nice 15-20 second burst, no IDs
14 MS
0200-0235, lots of bursts, no IDs, that's it, this way of DXing is very frustrating (Don't worry, I think you will find Tr and Es a little easier. Other than Aurora, MS is likely the most difficult DX-gc)

My only confirmed DX is WOOF-FM 99.7 from Dothan, Alabama from a couple years ago. I don't even QSL on ham much, but I liked their call letters (Is WDOG Allendale, SC their sister station? Hi!) Anyway, I called them on the phone and they promised a bumper sticker if I send a postcard from Maine. They were very fast. Sent verification letter, a map showing their coverage area, and 2 stickers! AM + FM. I have them on my truck. My best DX was WOW-FM 94.1 Omaha, Neb. But in the summer, the skip generally goes into Georgia, Florida, and the Carolinas. One time, I had the Dakotas, Minnesota, and Wisconsin. Well, out of space. Hope to hear from you, Gud DX, ES 73, Rich WA2CIC (Rich, hope to see you report often. Welcome to WTFDAI-gc)

DAN OETTING - 22 CARRIAGE LANE - EXTON, PENNSYLVANIA 19341

Equipment: HK Citation 23, Yamaha T70, rabbit ears, Archer FM booster 20db

DECEMBER 1992 DX

10 Trs
(unbelievably strong low pressure over Baltimore bringing 80-100MPH winds to NJ, & E.PA, and 3 feet of snow to W. PA.)
2242 WRFY 102.5 PA Reading, knocked off air
2245 WUSQ 102.5 VA Winchester, r
2306 WDVE 102.5 PA Pittsburgh, rp, ID, "DVE"

WZPR
100.3 FM

DECEMBER 16 Tr

0020 WGBH 89.7 MA Boston, in solid, c
0035 WAAF 107.3 MA Worcester, rp, "WAAF, the calls with the balls"
0042 W249AT 97.7 PA Reading, WRTI xlr, ID
0100 WEVO 89.1 NH Concord, ID, c, "Wow!" ID with four other NH stations
0115 WBOS 92.9 MA Brookline, rm
0127 WFNX 101.7 MA Lynn, p, only heard once before, many years ago
0140 WRCH 100.5 CT New Britain
0200 WXTK 94.9 MA W.Yarmouth, t, ID
0228 WXKS 107.9 MA Medford, rs, Kiss 108 FM
0234 WCVE 88.9 VA Richmond, c, ID

Nice, unexpected tropo duct in the middle of December. One of the best tropo to the north of Providence in a long time. As of 1/2/93 no winter E-skip on FM to report. See ya, Dan O.

JOHN EBELING - 8209 VINCENT AVE SOUTH - BLOOMINGTON, MINNESOTA 55431

SEPT. 24, 1992 Tropo

0001 WORB 95.1 WI Bloomer, k, "B95"

OCT. 28, 1992 Tropo

0030 KWWK 96.5 MN Rochester, k, ex 96.7

DECEMBER 1992 DX

8 Tr
2000 WOPM 106.1 MN Princeton, "Q country" ex 106.3

DECEMBER 20 Es

2223 WGBH 89.7 MA Boston
2225 WITR 89.7 NY Henrietta
2300 KFSI 92.9 MN Rochester, ex 88.5 (Tr) NOTE 1
2303 WKQJ 92.7 NY Middletown, "KQJ"
2305 WOBM 92.7 NJ Toms River
2328 WKLX 98.9 NY Rochester
2330 WVOR 100.5 NY Rochester
2341 WZOQ 92.1 OH Wapakoneta, "92 Zoo"

NOTE 1: Have found no indication in FMedial concerning this frequency change; nor have I found any indication of any new translator on this 92.9 frequency (Elving has been notified). Well, that's about it for now. Haven't noticed any Es since the 20th. Did, however, note some low band TV ES on 12/17, which I ID'ed KYW-3 Philly. But the opening never made it to the FM Band. Regards, John Ebeling

PETER Q. GEORGE (N1GGP) - 40 ADAMS ST. STOUGHTON, MASSACHUSETTS 02072

(617) 341-6073, Equipment: Sony STR/VX750 receiver with 110 khz filters, Archer 6 element yagi with RG6 coax and 18db FM amplifier, all heard with stereo unless otherwise noted

AUGUST 1992 DX

11 MS (Perseids)
1423 WMC 99.7 TN Memphis, FM 100
1427 WIMI 99.7 MI Ironwood, "99.7 WIMI"
1429 WAPW 99.7 GA Atlanta, Power 99
1450 WMGG 99.7 OH Columbus, "Columbus..."
1505 CIRO 99.7 PQ St. George de Beauce
French country music
1510 WOOF 99.7 AL Dothan, "Woof FM"
13 Tr
0150 WSSV 101.3 NY Saratoga Springs, sat. ac, ID
16 Tr
0100 WNNH 99.1 NH Henniker, Oldies 99
0101 WOKO 98.9 VT Burlington, country mx
0109 WAWZ 99.1 NJ Zarepath, Christian mx
0110 WPLR 99.1 CT New Haven, excellent rock!
24 Super Tr (Hurricane Andrew)
0800 WSNJ 107.7 NJ Bridgeton, ID/MBS news
0801 WSVS 104.7 VA Crewe, news, c&w music
0807 WUDE 101.3 VA Hampton, "2WD", ac
0810 WYFI 99.7 VA Norfolk, BBN/Gospel
0814 WUSL 98.9 PA Philadelphia, Power 99, UC
0827 WBLI 106.1 NY Patchogue, The New WBLI
0840 WXOD 98.7 NH Winchester, 98.7 Oldies FM
1838 WPKN 89.5 CT Bridgeport, public affairs
1843 WTCC 90.7 MA Springfield, uc/rp mx
1848 WLNG 92.1 NY Sag Harbor, oldies, MONO
1850 WNYC 93.9 NY New York, News, pub. servc
1950 WCFR 94.7 MI Neway, Christian music

1854 WBSS 97.3 NJ Millville, The Boss, rap mx
1900 WALK 97.5 NY Patchogue, oldies/AC
1925 WQHT 97.1 NY New York, Hot 97, CHR
2012 WQCD 101.9 NY New York, CD 101.9, jazz
2015 WSKQ 97.9 NY New York, Sp. Latino mx
2017 WQXR 96.3 NY New York, classical mx
25 Tr
0300 WYRY 104.9 NH Hinsdale, Y105, CW mx
27 Tr
0210 WJIV 101.9 NY Cherry Valley, relig. talk
0215 CBMB 91.7 PQ Sherbrooke, 400 Hz tone
SEPTEMBER 1992 DX
6 Tr
0210 WKLX 98.9 NY Rochester, Solid Gold Sat-
urday night
0215 WOKO 98.9 VT Burlington, country mx
0217 WUSL 98.9 PA Philadelphia, Power 99
14 Ultimate Tropo!
2103 CIOK 100.5 NB St. John, K100, news
2110 WJUN 99.7 MI Midland, Family Life Net
2141 WKXZ 93.9 NY Norwich, Kix 94, AC/jazz
2207 CBCE 96.7 ON Pembroke, CBC EE, MONO
2207 CHYM 96.7 ON Kitchener, Chime FM, news
2209 WMXR 93.9 VT Woodstock, oldies/sat
2210 WYFI 99.7 VA Norfolk, BBN gospel mx
2215 CBZ 101.5 NM Frederickton, CBC/stereo
2215 CHIEZ 96.5 HS Halifax, Sun FM
2223 WTSR 96.7 VT Brattleboro, jazz
MADE BY PETER Q. GEORGE ON THE NEXT PAGE!

PETER GEORGE'S REPORT CONTINUED.

SEPTEMBER 1992 DX CONT

14 Ultimate Tropo!
 2240 WNYC 93.9 NY New York, classical
 2303 WSKG 89.3 NY Binghamton, opera
 2307 WHAI 98.3 MA Greenfield, news
 2312 WPEW 89.3 DC Washington, rock, ID/prog.
 2353 WRFK 99.7 NC Kannapolis, "The Fox"
 15 more Ultimate Tropo!
 0010 CIOO 100.1 HS Halifax, C-100 // CJCH-AM
 0020 CBH 102.7 HS Halifax, CBC/Stereo EE
 0021 CFQM 103.9 NB Moncton, country "20-20" wx
 0047 WAYV 95.1 NJ Atlantic City, Your Music 95.1
 0145 CBAL 98.3 NB Moncton, CBC FF/Stereo
 0148 WBSL 107.5 NY New York, smooth jazz
 0150 WTHT 107.5 ME Lewiston, Oldies 107.5
 0200 CFCF 105.3 ON Kitchener, ac/easy, jingle

NOVEMBER 1992 DX

3 Tr and Es
 1952 WMC 99.7 TN Memphis, FM100, ID
 2000 WWDB 96.5 PA Philadelphia, talk, mono
 17 MS
 2030 WUGN 99.7 MI Midland, weather, ID
 20 TrS
 2125 WKLY 98.9 NY Rochester, oldies
 2127 WUSL 98.9 PA Philadelphia, Power 99

DECEMBER 1992 DX

13 MS
 0120 KFUO 99.1 MO Clayton, classical mx
 15 Tr
 1102 WYFI 99.7 VA Norfolk, religious gospel mx
 1104 WHTK 99.7 SC Port Royal, my record tropo
 820 miles!! previously Es and MS
 1204 WVPR 89.5 VT Windsor, Vermont Pub Radio
 2330 WNCN 104.3 NC New York, classical
 2335 WCBS 101.1 NY New York, My favorite FM!
 "The Doo-Wop Shop"

Well, it has been a long time since I have reported. The summer for all intents and purposes was a dud for e-skip. But tropo was excellent throughout the fall. My thanks to Greg Coniglio for helping me ID "CBCD 96.7 Pembroke, ON, and CHYM "Chime-FM" 96.7 Kitchener, ON, on the 9/14/92 ULTIMATE tropo. Election night 92 (11-3-92) brought a pleasant but all too brief e-skip with WMC 99.7 TN. I did get on MS KFUO 99.1 MO after local WPLM went off for maintenance on 12-13-92. The best Christmas present was a seven hour E-skip opening. On that night I got KKDI 95.1 MN for five hours straight with local quality. But the best news of all was CITI, "CeeTee" 92.1 MB, in addition to getting close to the 1500 miles mark, I also got province #5-MB. I am interested in hearing old FM DX circa 1950 through 1972. If anyone can make dubs of old DX tapes, I'll gladly pay for the cost of such. Since I have a full production studio at home, I would consider putting a "best of DX" cassette together for all to enjoy. Please drop me a line and let's talk. That's it for now. I hope to be a more active correspondent from now on. (We are glad to see you back, Peter, and hope to hear from you often-gc) Happy New Year 1993! Until next time, 73s!

RICHARD GALLISON - RFD#1 BOX 2190 - CHARLESTON, MAINE 04422 (207) 285-3194

Equipment: Sansui 5900Z receiver, Radio Shack TV-FM antenna

DECEMBER 1992 DX

14 Tr
 1923 CKTO 100.9 NS Truro, ID, calls
 1931 CBHY 92.1 NS Yarmouth, CBC net
 1940 CHFX 101.9 NS Halifax, Country 101
 1942 CFQM 103.9 NB Moncton, ID calls, k
 1950 CIEZ 96.5 NS Halifax, Sun FM
 2100 CFRQ 104.3 NS Halifax, calls ID "With 100,000 watts, this is CFRQ"
 2102 CBH 102.7 NS Halifax
 2105 CBZ 101.5 NB Fredericton, EZL
 2111 CJYC 98.9 NB St.John, Classic Rock C-98, over local WCLZ
 2121 CKWM 97.7 NS Kentville, Magic 97 skycheck weather
 2149 CJLS1 93.5 NS New Tuskent, ID, oldies

DEC. 16 Tr

0013 WSPK 104.7 NY Poughkeepsie, K104, CHR
 0023 WUSL 98.9 PA Philadelphia, Quiet Storm
 0025 WMXN 105.3 VA Norfolk, SoftJazz, Mix 105
 0032 WJBR 99.5 DE Wilmington Mix 99.5, o/WSSH
 20 Es!
 2330 KKDL 95.1 MN Detroit Lakes, Kool 95 in for five hours!
 2240 KJKK 96.5 MN Fergus Falls, KJ-Country, k
 21 more e-skip!
 0007 WNCB 89.3 MN Duluth, religious sign off still says 89.1!!
 0200 KQMN 91.5 MN Thief River Falls, legal ID
 0220 KFJM 89.3 ND Grand Forks, legal ID, clas.
 0259 KCRB 88.5 MN Bemidji, lgi ID, classical
 0305 KXDL 99.7 MN Browerville, Pure Gold 99.7
 0309 KKCK 99.7 MN Marshall, ID, True Value ad
 0323 WAKX 98.9 MN Duluth, classic r, progressive
 0325 KVOX 99.9 MN Moorhead, The New K100 with Fargo ads
 0407 CITI 92.1 MB Winnipeg, "Cee-Tee FM" progressive, Province #5!, 1500 miles

□ No Toronto FM country station in March? A flurry of queries yesterday as the CRTC officially granted the station's request for a 90-day delay from a sign-on target last Thursday. But the extension to March doesn't mean Rawlco Communications intends to use it. "The CRTC only grants extensions in periods of 90 days and one size fits all," says Keith James, the new station's general manager. "We weren't happy with Dec. 17 - some equipment hadn't arrived and we need a little extra time. It won't be 90 days, I can assure you." Pressed for a guesstimate, quoth James: "We all know the ratings start the first of March. We'd sure like all the headstart we can get. No way we'll use the 90 days." With dozens of staffers on the payroll, we're likely looking at days or weeks here, not three months.

2153 CBD 91.3 NB St.John
 2154 CBHA 90.5 NS Halifax
 2156 WMEM 106.1 ME Presque Isle, classical
 2213 WTMS 96.1 ME Presque I., Soft Hits 96
 2215 CBHI 93.3 NS Middleton, CBC Radio
 15 Tr
 0116 CJLS 96.3 NS Barrington, ID, calls
 0143 WCXU 97.7 ME Caribou, Channel X
 0209 CKHJ 105.3 NB Fredericton, From the heart of NB, KHJ (They must have moved from 93.1 Bill Kretschmer heard them here too-gc)
 0245 CHOI 98.1 PQ Quebec, ID, calls
 0252 CBAF14 102.3 NB Fredericton, classical
 1420 CIFA 104.1 NS Yarmouth, French Christmas music
 1432 CIRO 99.7 PQ St.Georges, FF country

RICHARD GALLISON'S REPORT CONTINUES.

Dec. 15th Tr continued

1924 WCTK 98.1 MA N.Bedford.
 1951 WFXR 93.5 MA Harwich
 1953 WPLM 99.1 MA Plymouth, Big Bands
 1955 WZLX 100.7 MA Boston, "Boston's Classic Rock Station"

19 Tr & Es

1840 CBMB 91.7 PQ Sherbrooke, CBC Eng.
 2230 WGFA 94.1 IL Watseka, "Get Into The Spirit of Xmas with WGFA"



917 North Lilac Drive
 Minneapolis, MN 55422-4688
 92.5 FM 1440 AM
 (612) 545-5601
 (612) 593-3040 FAX

DEC 20 Es

0025 KWMG 93.5 NE Columbus, "Nebraska's Rock and Roll" 0020-0040 solid, NOTE 1
 0335 WIZM 93.3 WI LaCrosse, Z93, lcl ads
 0343 KJKK 96.5 MN Fergus, KJ96 country
 0359 KSJR 90.1 MN Collegeville, ID, calls
 0400 KCCD 90.3 ND Fargo, ID, calls, not stereo, see NOTE 2
 0403 KKSJ 96.7 MN St.Cloud, ads
 0413 WWJO 98.1 MN St.Cloud, 98 Country
 0429 KFGO 101.9 ND Fargo, New Cntry 102
 0433 KQHT 96.1 MN Crookston, Magic 92 "What's Grand Forks favorite station?"
 0442 KLLZ 99.1 MN Walker, ads mentioned Bemidji, thought I heard Power Loon

JANUARY 1993 DX

2 GW

2000 WGUY 102.1 ME Dexter, ID rock mx, NOTE 3

Met With Joe Fela while celebrating Xmas with family in N.J. Also hope to meet Bill N. next time in New Jersey. Maybe get in some pinball! Putting up 75 foot tower this summer. Will load it up with TV, FM and ham antenna

NOTE 1: Solid signal, but they wouldn't answer their phone

NOTE 2: Didn't miss the calls or location. Used to be KYIY?

NOTE 3: Hooking up studio equipment 2/1/93 projected air debut, oldies format

RICHARD K. SHAFTAN - 39 OLD MIDDLETOWN RD. - ROCKAWAY, NJ 07866 (201) 586-3563

Equipment: Realistic STA-2280 with 7 110khz filters (see McVey article, November 1990). Channel Master 20 element TV 45' AGL phased with two Radio Shack FM outdoor antennas stacked 7 feet apart 30' AGL and an Archer FM-TV-UHF indoor portable amplified antenna phased thru 3 variable attenuators, two "capacitors in a box" and a Radio Shack "Variable Interference Eliminator". Both outdoor antennas are run through Radio Shack mast mounted amps. (IN CAR: Kenwood KRC-430 w/2 110 khz filters). All times approximate

NOVEMBER 1992 DX

26 TrS

2345 WENU 101.7 NY Hudson Falls, mixed WRCZ had "North Country Weather"

30 MS

0113 WROV 96.3 VA Martinsville, "Southwest Virginia's Rock and Roll Stn, 96.3...."

DECEMBER 1992 DX

1 TrS

1510 WOIX 100.9 NY Horseheads, Country 101 in out w/WEZG N.Syracuse in Jefferson,NJ, still on the NYC side of the mountain. Several days later at home had nice mix of WEZG, WAAI Hurlock MD, WNNT Warsaw,VA and WKLI Albany

3 TrS

1317 WUSQ 102.5 VA Winchester, Q102, first thought it was Buffalo.
 1506 WNB 104.5 PA Wellsboro, local ad
 2012 WPIG 95.7 NY Olean, c/w, local mentions Still can't get WZZV.

11 MS

2209 WALZ 95.3 ME Machias, "...WALZ."

15 Tr

0150 WBWZ 93.3 NY New Paltz, Hudson Valley's Z-Rock
 1319 WANV 99.7 VA Staunton, "Power Oldies" ads
 1355 WWMD104.7 MD Hagerstown, solid o/WSPK
 1359 WARY 106.9 MD Hagerstown, Oldies 106.9
 1417 WQZK 94.1 WV Keyser, Q94 Rock Shop, traffic warnings from WV State Police
 NEW STATE, #34 (+DC)
 1505 WKGQ 106.1 MD Cumberland, K-GO 106.Jame

DEC. 15th tropo continued

1520 WRNJ 107.1 NJ Belvidere, with carrier. Now on the air, but never seems to ID w/continuous c/w and network ads. This is about 30 miles away and not a problem on a pretty useless frequency anyway betw WXPS and WZVU. Off to a series of meetings...
 2345 WXLO 104.5 MA Fitchburg, ID o/Philly on Rte 3 in Clifton, within view of teh Empire State Bldg and World Trade Center (10 miles) This told me I missed quite an evening

16 Tr

0026 WKZE 98.1 CT Salisbruy, ID as I was pulling up the driveway into my home
 0035 WXXS 107.9 MA Medford, on top of WEBE
 0100 WBQQ 104.9 MA Gloucester, on top, W-Bach
 0105 WZEA 102.1 NH Hampton, Seacoast 102
 0110 WSSH 99.5 MA Lowell, ID on top of NY
 0130 WZBG 97.3 CT Litchfield, County News
 0200 WOEL 89.9 MD Elkton, USA Radio News and ID through local WKCR
 0202 WIOV 105.1 PA Ephrata, c/w thru lcl WMXV.
 1408 WHTK 99.7 SC Port Royal, "...TK..." Prev on trop. I think I'm in range to get this on Es too (Strange, my "triple play" is on 99.7 also: WYFI But that is Au, MS, and Tr-gc)

20 Es

2306 KAXE 91.7 MN Grand Rapids, ID
 2312 CBEB 89.7 ON Manitowadge, CBC
 2315 CBON22 t 93.7 ON Geraldton, classical mx
 2320 WIMI 99.7 MI Ironwood, wx of hi 20-25 and snow could only fit this one.
 2325 KKWQ 92.5 MN Warrod, "Lake Country: w/ promo for Thief River Falls, CST time mention.

RICHARD SHAFTAN'S REPORT CONTINUES.

DECEMBER 20th E-skip continued
 2351 **KDVL** 102.5 ND Devils Lake, ID
 2353 **CITI** 92.1 MB Winnipeg, in for hours
 21 **Es**
 0020 **KSJZ** 93.3 ND Jamestown, "It's 12 degrees in Jamestown at Z-93"
 0023 **WYRO** 92.1 MN Little Falls, Hank Williams Jr. heard // Bill N.
 0034 **KXDL** 99.7 MN Brownville, "Your home for good time rock and roll"
 0039 **KYYY** 92.9 ND Bismarck, Y-93 out at 0100, back at 0200 with Winnipeg solid on Channel 3 and 92.1 (actually stronger than local 92.3!)
 2041 **CBOQ** 90.5 ON Fort Frances, Canadian heavy metal and folk. Continuous mentions of Canadian performances gives away stns north of the border

DECEMBER 20 E-skip cont.
 2049 **KIZZ** 93.7 ND Minot, "93.7 KIZZ"
 2051 **CBQS** 95.7 ON Sioux Narrows, // 90.5 perfect location. Fisher Branch MB is possible. Maybe I heard both?
 0302 **KKXL** 92.9 ND Grand Forks, XL 93
 0310 **CBLA** 90.1 ON Atitokan, // 90.5 and 95.7
 0340 **CBWS** 92.7 MB Brandon, // 90.5, etc in through locals
 0355 **CITI** 92.1 MB Winnipeg, still, fell asleep.
 29 **TrS**
 1830 **WEZF** 92.9 VT Burlington, local ad
 2202 **WINC** 92.5 VA Winchester, "92.5 WINK FM In for awhile, but I was falling asleep

What a month. Super trop and Es at 4 a.m.

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment: Pioneer TX-9100 tuner modified with 1-150 and 3-180 khz filters. Stereo Probe 9 antenna mounted on roof w/ 25' AGL, CAC11 and RG6 coax used, Archer-rotor. "Capacitor in a box" used at times along with my Jerrid 10-el. TV antenna

DECEMBER 1992 DX
 13 **Tr** (CING 107.9 on low power)
 2103 (WENZ) 107.9 OH Cleveland, The End, pr\$ WDSY also heard, and WRHP too. Ex: WPHR 170
 13 **MS**
 2200 **WYMX** 98.1 MS Greenwood, legal ID 904
 2259 **WKWK** 99.1 FL Jacksonville, calls, country music, heard once again at 2307
 14 **Tr**
 1100 **CKMS** 100.3 ON Waterloo, calls, prog. rock hard with WZPR, CKRZ, and WNIC 98
 1845 (CFMO) 101.1 ON Smiths Falls, exc: CHEQ 187
 15 **Tr**
 2051 (WXKR) 94.5 OH Port Clinton, "X94.5", op\$, WNED off the air again. Ex: WOSE 241

Dec. 20 ES
 2320 **KIFA** 92.5 TX Groves, gr\$, calls 1226
 2324 **KRRV** 100.3 LA Alexandria, ads, into ACC 1120
 2350 **WTEX** 93.9 MN Hibbing, ads\$ 759
 2354 **CKIS** 97.5 MB Winnipeg, ads\$ 996
 2355 **KYCK** 97.1 MN Crookston, 97 Kick, k\$ 938
 21 **ES**
 0002 **KKMK** 93.9 SD Rapid City, Magic 93.9, rm\$ 1227
 0028 **KQDJ** 95.5 ND Jamestown, J-Country, k\$ 1010
 0029 **KQAA** 94.9 SD Aberdeen, ads or CKOT 962
 0036 **KXRA** 92.3 MN Alexandria, top 40\$, music by Toad the Wet Sprocket, calls 832



Not much DX going on lately at all. But the late night E-skip opening in December was a welcome surprise! It was Texas & Louisiana at first, then faded and came back in the Upper Midwest. I had tentative Minneapolis/St. Paul on 92.5 and 100.3, the would be the first time I have heard that city since 1987. Hopefully things will pick up soon.

STATION NEWS: WPMR 107.9 Tobyhanna, Pa. is on the air with an album rock format. It puts a strong signal into parts of New Jersey. Also in NJ, WRNJ 107.1 Belvidere is on the air, with country music. 92.1 in Huron, South Dakota is now KGTR, with an oldies format. 101.3 in Lancaster, Pa. is no longer WNCE: they are now WROZ, "The Rose", with music of the 80s and 90s format. WGUJ 102.1 in Dexter, Maine (Bangor) has been on the air testing. The are supposedly to come on the air February 1st, probably with an oldies format. Same frequency, same region, WZEA Hampton, N.H. is also on the air. Slogan is "Seacoast 102", format is not known though. In Southern Ontario, low power CKMS (progressive rock) has moved from 94.5 to 100.3. In nearby Western New York, the religious Family Life Network has signed on three new stations: WCOU 88.3 Warsaw, WCIV 88.9 Canandaigua, and WCOT 90.9 Jamestown. KRTS 92.1 Seabrook, TX "K-Arts" now has a parter. KRTK 97.1 is on the air simulcasting their classical format. Neaby KWIC 107.9 is still off the air though. Two call changes in the Dallas area that do not involve format changes: Spanish KSSA 106.9 is now KRVA-FM, and Z-Rock on 99.1 is now KDZR. In Monterrey, California, 99.5 is now KQKE, and country music. Recently, Pittsburgh had only one country FM station. Now they may have three. 104.7 WORD is expected to become country. Also, WBZZ 93.7 has leased rival WMXP 100.7 and changed them to WTKB "The Bear", also country. It has been reported that CJOJ 102.3 Belleville, Ontario is expected on the air November 1993, with an album rock format. 99.5 in Brownsville, Texas is now KKPS, Spanish and "Que Pasa" slogan. KWSM 104.1 Sherman, TX goes to SMN Kool Gold. In metro Las Vegas, KUDA 107.5 is now classic rock KFBI. Two more top 40 stations gone: WSSX 95.1 Charleston, S.C. goes to hot a/c, and KSNB 93.1 Eugene, Ore. goes country. WBWZ 93.3 New Paltz, NY is on the air with hard rock, "Z-Rock". KQLZ 100.3 Los Angeles goes to modern rock. In Detroit, 99.5 WDFX is no more. Now it is WOWF, and news/talk. WZRH 106.1 Picayune MS/New Orleans also goes to modern rock. In Atlanta, another modern rock convert, the often heard on MS 99.7 is now WNNX, "99X". Thanks to Rich Gallison, Joe Feila, Richard Shaftan, Bob Smolarek, and Dave Nieman for updates.

Danny Buntin
 1312 N. Skyline
 Stillwater, OK 74075

FEBRUARY 1993

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT, WV.

DEADLINE: 14th

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

Eqult.: Onkyo T-9090 tuner, Channelmaster Probe 9 at 30 ft., Gemini rotor

12/29 gw
 2024 **KLVV** 88.7 OK Ponca City, g, 40 "Love 88-7" Oh, no, not another new semi-local. Since it's a religious station, I won't cuss about it, at least certainly not in print.

1/3 tr
 1131 **KDAB** 94.9 AR Prairie Grove, ID
 1141 **KLRC** 101.1 AR Siloam Springs, calls
 gw
 1222 **KIRC** 105.9 OK Seminole-Shawnee, ID, ad, k

ADULT CONTEMPORARY
 CHRISTIAN MUSIC NOW ON

88.7 FM

Plus "Focus on the Family" weekdays at 6:30 p.m.
 Don't miss *Harvest in Concert*, Thursday at 7:00 p.m. in Ponca City. Tickets available at The Christian Bookstore in Stillwater.
 KLVV ♡ P.O. Box 14 ♡ Ponca City 74602 ♡ 767-1400

My, it's been a dreary winter with such unusually long periods of damp and cloudy weather being the rule. It hasn't been of much help for the trop. Well, 1992 went down as the worse DX year I've ever experienced in terms of new stations logged. Total new for 1992 was 17 versus 25 for my former worst year, 1979. Perhaps the evening DXers, which I am one, along with the morning DXers who are also fortunate enough to also be evening DXers, can relate with me how the evenings last year just went on and on with hardly ever so much as a teasing of Es or tr on TV 2, let alone on FM. The only good skip opening I had caught me when I had a morning off.

I was sorry to see Bruce Elving leave his FCC column. He had long become quite a fine and reliable fixture in the VUD. I would like to optimistically predict that within a year or two he will change his mind and return to the FCC column.

Christopher S. Dunne, 21541 NW 8 Ct., Pembroke Pines, FL 33029-1085

Equipment: JVC RX302BK FM receiver mod. w/ 150kHz filters
 GE Superadio II mod. w/ 150kHz filter*
 Archer 6-element FM antenna
 Archer V-185 VHF/FM antenna*
 Archer 15-1113A amplifier*
 (*if needed)

Note: The above will not be repeated.

I don't know why it is, but normally in these parts we never get Es at Christmastime. Well, this has changed! I was blessed with Es on the 19th of December along with brief "3s" in January.

I was finally able to install my V-185 and U-120 to supplement my 6-element FM antenna. So far it seems that the V isn't really needed for FM, except that it has been fantastic for phasing (using a 75-ohm splitter along with the FM antenna); it sure beats rabbit ears as far as hearing FM 104.5 in Nassau. (WEAT 104.3's a pest.) Because I'm in a mobile home, my two masts are only 5 feet apart; naturally, I wish they were farther apart. One mast is higher than the other, so the V-185/U-120 won't collide with the FM mast. I disconnect all 75-ohm cables from the receivers when not used, because we get thunderstorms galore down here.

Time Call Freq. St Location, details Miles

12/5 GW
 2235\$TWAGQ 91.9 FL ??? PIRATE, salsa and SS (heard from car, Pioneer car radio) ???
 12/19 Es!
 1055 WRBH 88.3 LA New Orleans, "Metairie YMCA" heard 600
 1100\$KRVs 88.7 LA Lafayette, ID 770
 1120 KLDnt 88.9 TX Lufkin (from car)

Time Call Freq. St Location, details Miles

12/22 Tr
 0140.....WJQY 106.7 OFF!!.....
 0140\$WZZS 106.9 FL Zolfo Springs, k, "WZZS 107", "ZZ 107" - NW 120
 0145\$WXXL 106.7 FL Leesburg, "XL" 200

7/3 s
 Chris

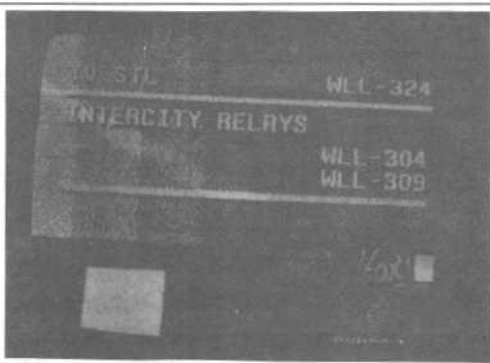
Jeff Kadet-Macomb, Illinois is our reporter. Equipment: ICOM R7000 with video adapter; Zenith N1310 13" color set. Screened Channel Master 7" dish and RDX UA-900 UHF preamp, feed is .500" aluminum hardline, antenna up 85 feet. Channel Master 1110 Quantum with Winegard PA-1975 VHF preamp, feed is .500" aluminum hardline, antenna up 80 feet. Winegard 5 element 10-band yagi (vertically polarized) with RG-11 feed, antenna up 18 feet.

WSYT-68
Syracuse
New York

765 mile tropo

seen August 21, 1992

at 0227 CDT

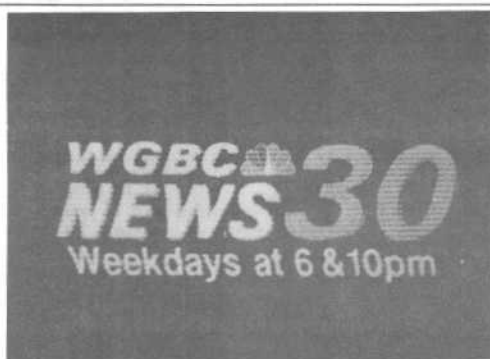


WGBC-30
Meridian
Mississippi

572 mile tropo

seen September 12, 1992

at 0445 CDT

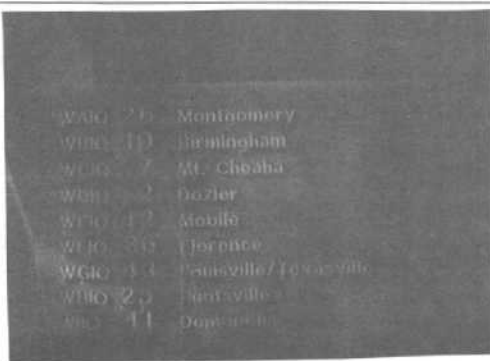


WIIQ-41
Demopolis
Alabama

580 mile tropo

seen September 12, 1992

at 2200 CDT



continued to page 2....

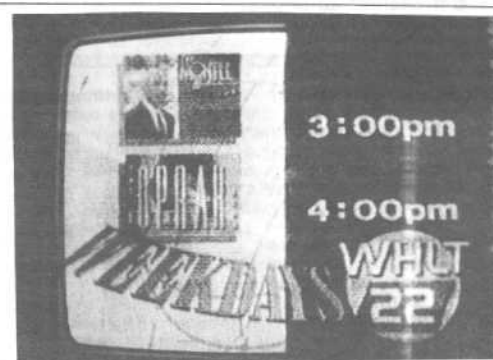
Jeff Kadet's foto file continues....

WHLT-22
Hattiesburg
Mississippi

645 mile tropo

seen September 12, 1992

at 2300 CDT



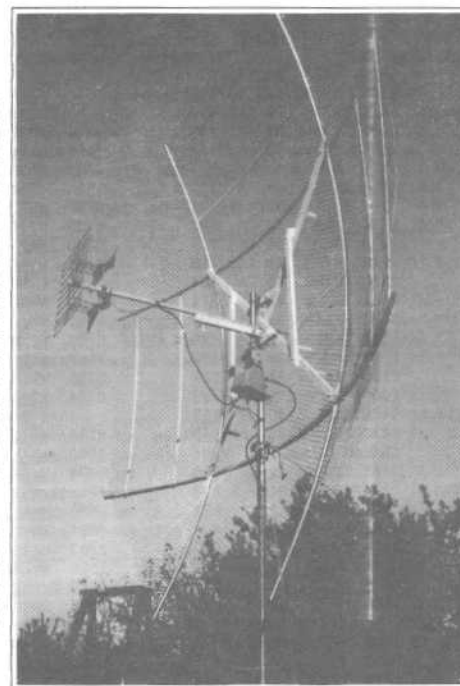
more from Jeff next time.

by
Jim
Dietrich,
Derby
Kansas

HOME BREW 10 FOOT DISH

This prototype (photo at right-djn) 10 foot antenna is being tested, here with the Channel Master feed. Total weight of the reflector is 25lbs. using 1/2" (0.71" actual OD) steel electrical conduit, 1" chicken wire surface and wood "X" mounting. Design was with low weight and low wind resistance in mind. The inside mounting adds strenght and provides a balanced mounting point. Plan is to leave it at 20 feet and see how it stands up to the winter weather, then build a 12 foot version using lightweight materials (aluminum). Does anyone know of any aluminum screening that is of similar dimensions to the 1" chicken wire?

By the way, the Channel Master feed works OK except that the VSWR goes up at the low end reaching 3.1 at channel 14. I'm presently using a proprietary design that maintains a 1.2 VSWR over the entire UHF band.



Jim, keep us updated by word & photo on your progress.

Many thanks to WESTERN TV-DX editor Fred McCormack for forwarding Jim's report.

Till next time, DAVE

WESTERN TV-DX

Fred McCormack
PO Box 65666
St. Paul MN 55165-0666

(612) 735-6860

Deadline: 03-11-93
Cut-off: 12-01-92

February 1993

1993 closed with December providing a few 500 mile plus tropo opening and a smattering of E skip. Interestingly, the only 500 mile tropo reported was seen on the 8th and the 13th and on both dates in widely separated locations. On the 8th, Bill Draeb was seeing Tennessee and Jeff Kruszka was seeing Florida. On the 13th, Bill was seeing Alabama and Jeff was again seeing Florida. Bill Eckberg started the new year with tropo to Alabama on New Year's Day.

E skip was reported on December 5, 7, and 17-21

New ___ New Mode ___ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - // MTS Stereo - \$

NL Nuevo Leon TA Tamaulipas GU Guatemala

CHA Channel America HSS Home Shopping Spree
GLA Galavision UNI Univision
HSC Home Shopping Club VJN Video Jukebox

Fernando Garcia, Apartado 30, Suc. B, Cd. Guadalupe, N.L., 67181, Mexico HCM

Equipment:

Sony KV27R(27"), Archer V-185 and V-8 UHF array at 30', Archer 15-1108 amplifier and rotor.

October 1992

5 tr 0615 KRIV 26 TX 410	13 tr 0659 WMPV 21 AL 845	14 tr 0700 WVLA 33 LA 640
0618 KETH 14 TX 410	0700 WBHS 50 FL 1088	18 Es 1630 Cuba channel 3
0620 KTXH 20 TX 410	0715 KADN 15 LA 584	1640 Cuba channel 2
0625 KTMD 48 TX 404	\$unid ch 30 NBC	1700 Cuba channel 4
0626 WVLA 33 LA 640	0730 K62DW 62 LA 584	1715 unid ch 3 XEW
0635 KXLN 45 TX 373	(Lafayette LPTV)	1735 TGV 3 GU 1019
9 tr 0610 @KNVO 48 TX 131	0735 K59DG 59 LA 640	19 gw 0115 XEFE 2 TA 131
(See Note # 1)	(New Orleans TBN)	(See Note # 6)
10 tr 0720 KXAM 14 TX 392	0738 WEIQ 42 AL 845	22 Es 2110 TGV 3 GU 1019
2215 XHOR 14 TA 155	0739 WIIQ 41 AL 870	24 tr 0215 KADN 15 LA 584
12 tr 2225 KTFH 49 TX 423	0740 WAPT 16 MS 752	0220 K21DM 21 LA 584
2230 KTMD 48 TX 404	0745 unid channel 52	0300 WVLA 33 LA 640
2232 KXLN 45 TX 373	(See Note # 4)	0550 K21DK 21 TX 370
2240 KLAX 31 LA 606	0746 WMAH 19 MS 752	(Giddings KXAN-36)
2242 KRIV 26 TX 410	0747 WMAV 17 MS 870	K40CT 40 TX 325
2245 KHTV 39 TX 410	0748 K21DM 21 LA 584	(San Marcos KXAN-36)
2250 K47DF 47 TX 224	(Lafayette LPTV)	0610 K30CE 30 TX 350
13 tr 0425 WDBD 40 MS 752	0750 WVLA 33 LA 640	(Austin UNI)
0430 K46CR 46 LA 640	0754 K39BJ 39 LA 622	0615 KXAN 36 TX 354
(Baton Rouge VJN)	(See Note # 5)	0655 KTFH 49 TX 423
0445 \$WHLT 22 MS 758	0755 WGIQ 43 AL 980	0658 K47DF 47 TX 224
(See Note # 2)	0800 WXXV 25 MS 740	0755 KITU 34 TX 491
0454 @KLT 18 LA 522	0803 W46AV 46 MS 777	0756 K50AO 50 TX 224
0455 @KTMD 48 TX 404	(Pascagoula TBN)	0800 K66EB 66 TX 224
0456 @WLPB 27 LA 640	0820 WMAW 14 MS 827	(See Note # 7)
0520 KVHP 29 LA 522	0821 KNVO 48 TX 131	0810 KHSH 67 TX 404
0525 KLPA 25 LA 606	2203 unid ch 21 TBN	0900 \$KHOU 11 TX 410
0545 WFTS 28 FL 1088	2205 WVLA 33 LA 640	0901 \$KTRK 13 TX 410
(See Note # 3)	14 tr 0320 @WLMH 30 TN 889	1000 K55FX 55 TX 224
0550 WNOL 38 LA 640	0325 unid ch 13 HSC	(See Note # 8)
0600 KITU 34 TX 491	0335 KTXA 21 TX 522	25 tr 0645 KVDA 60 TX 283
0618 KFDM 6 TX 491	0558 KLAX 31 LA 606	0657 KXLN 45 TX 373
unids 36, 45, 58	0559 WLAE 32 LA 640	0658 KADN 15 LA 584
(A11 TBN)	0600 KLPA 25 LA 606	26 tr 0620 KLPB 24 LA 584
0630 WLAE 32 LA 640	0630 KADN 15 LA 584	0623 K21DM 21 LA 584
0630 unid ch 20 NBC	0631 WGNO 26 LA 640	0625 KADN 15 LA 584
	0632 WLPB 27 LA 640	0640 KRIV 26 TX 410
	0640 WLOX 13 MS 758	

Western TV-DX

February 1993

Fernando Garcia (continued)

	November 1992	26 LA 640	23 tr 0610 KETH 14 TX 410
	2 tr 2130 WGNO	26 TX 410	0630 KRIV 26 TX 410
	2131 KRIV	32 LA 640	0700 KXLN 45 TX 375
	2200 WLAE	38 LA 640	
26 tr 0645 KITU 34 TX 491	2215 WNOL	33 LA 609	
0650 W19AW 19 LA 640	2220 \$KMSS	25 TX 447	
(Baton Rouge LPTV)	3 tr 0230 KXXV	17 MS 870	
("WBTR")	0557 WMAV	24 LA 584	
0700 WHLT 22 MS 758	0610 KLPB	30 MS 827	
2030 XHOR 14 TA 155	0617 WGBG	39 TX 410	
(See Note # 9)	0628 KHTV	22 MS 758	
2100 KLTJ 22 TX 404	0630 \$WHLT	3 NL 4	
2130 KHOU 11 TX 410	9 gw 2140 XH--	(See Note #10)	
0600 KVHP 29 LA 522	19 gw 0800 \$XHMMU 53 NL 19	(Local University LP)	
0615 KHTV 39 TX 410	0630 KADN 15 LA 584	23 tr 0525 KPRC 2 TX 410	
0628 \$WHLT 22 MS 758	0700 KLTJ 22 TX 404	0555 KPLC 7 LA 522	
0630 KADN 15 LA 584	0559 KTXH 20 TX 410	0600 KLTJ 22 TX 404	
28 tr 0545 KPRC 2 TX 410			
0600 KLTJ 22 TX 404			
31 tr 0700 KXXV 25 TX 447			

December 1992

1 tr 2158 KEDT 16 TX 224	Most Houston Us
4 tr 0600 KVUE 24 TX 354	0610 KRRT 35 TX 285
5 Es 1540-1755 unids 2,4 to	Central America
7 Es 1945-2020 unids 2,4 to	Central America
9 tr 0605 KVUE 24 TX 354	0610 unid 22 TX GLA
	San Antonio Us
	0630 KAVU 25 TX 283
	0710 K66EB 66 TX 224
	0715 KEDT 16 TX 224

Note # 1 - Transmitter signal under test, new for McAllen Univision.

Note # 2 - "South Mississippi's Most Watched Station".

Note # 3 - Local out, snow free, FOX network, my longest UHF tropo to date.

Note # 4 - Home Shopping Club, Keystone Inspirational Network. (Jeff Kruszka has reported K52CQ, Baton Rouge, carries Keystone. fm)

Note # 5 - Continuous weather info for southeastern Louisiana, KBJ-39, Morgan City.

Note # 6 - Relaying XHGC-5 movie, local messages.

Note # 7 - Telemundo Corpus Christi, relays in Alice 8 and Kingsville 13.

Note # 8 - KFTS?, channel 55 for Corpus Christi (gospel), Spanish at 1030.

Note # 9 - IMEVISION-13, Matamoros.

Note # 10 - New relay station for local XEFE-2 with 500 Watts at top of Saddle Mountain, 5900 feet above sea level, local pest.

I want to apologize because of my last report, reception of KLNE-3 on August 2nd was by E skip.

(Fernando, I presume the channel 22 with Galavision logged on December 9th at 0610 was K22BH, Corpus Christi. There is a problem with the call letters/channel for your loggings of WMAV-17. WMAV (Oxford) is on channel 18, WMAU (Bude) is on channel 17. The distance you show suggests WMAV-18, but I am not sure. fm)

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

Equipment:

1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-2225 detent tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish with RDX Labs UA900 (round) preamplifier at 52' and 125' of Jerrold CAC11.

October 1992

1 tr 0420 W29BG 29 IL 129	19 Es 1820 KPRC 2 TX 893	2155 WEDU 3 FL 1031
(Decatur TBN)	1900 WGBH 2 MA 918	
7 tr 0530 KARD 14 LA 651	1915 KOB 4 NM 1026	
0544 WXMT 30 TN 408	1920 KNME 5 NM 1026	
18 Es 0040 WESH 2 FL 985	1930 KENW 3 NM 912	
22 Es 0450 KSAX 42 MN 404	2000 KNAZ 2 AZ 1258	

December 1992

January 1993

1 tr 2030 WXMT 30 TN 408
2200 WBMG 42 AL 582

John Ebeling, 9209 Vincent Ave S, Bloomington MN 55431

CST

Equipment:

All transistor Zenith Model E2055L (chassis 19EB12) dating from about 1954 or so, with built in monopole antenna. Located in basement.

E skip was active on December 17, 1992 from about 2155 to about 2320. Logged KYW-3, Philadelphia at 2235, with cci on channels 2-5. E skip did not reach FM. On December 20th, noticed E skip while watching channel 5. This opening lasted from about 2145 to 2345 (channel 2 still showing cci at 0030). Very active, but sporadic

John Ebeling (continued) reception. On channel 3 had WSTM-3, Syracuse, giving central New York weather. At times, picture was snow free! Low band TV channels were alive and opening made it to the FM band with an MUF of 107.3 MHz noted. FM loggings were from Massachusetts, New York, New Jersey, and Ohio.

Channel 3 earlier had CBS programming, so not knowing Syracuse's network, I may have had several good channel 3 stations in at the start.

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350)

CST

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

November 1992

10 tr 2050	W23AT 23 IL 175	8 tr 2010	WSBN 47 VA 580	13 tr 1932	WKPDt 29 KY
	(Chicago LPTV-Polish)		WEMT 39 TN 635		WEVV 44(KY) 455
11 tr 1728	W42AF 42 WI 80	2026	WKSO 29 KY 520	2000	WEIU 51 IL 345
	(Ripon TBN)		WMSY 52 VA 605		W30AL 30 IL 200
	(See Note # 1)		WKON 52 KY 430		(Plano CHA)
1730	Toronto 41,47,57		Louisville 15,32		W39BH 39 IL 300
	Buffalo 29,49		& 41		(Champaign HSS)
	Tower ON Us		WKHA 35 KY 550	14 tr 1830	WPBO 42 OH 455
	CITY2 31 ON 350		WYMTt 57 KY		W24AI 24 IN 190
1906	W44AG 44 PA 410	2035	WXIX 19(OH) 400		(Michigan City)
	(Erie TBN)		WUNFt 33 NC		(See Note # 2)
	W33AX 33 WI 135	12 tr 2101	WCET 48 OH 400		WINM 63(OH) 245
	(Madison TBN)		KSAX 42 MN 385		(See Note # 3)
	Rockford 62,68	13 tr 1804	KAWB 22 MN 365		W66BD 66 IN 260
1915	WSEC 14 IL 355		WLKY 32(IN) 430		(Fort Wayne TBN)
13 Es 0840	unid channel 2+		WDRB 41(IN) 430		1934 WOSU 34 OH 375
21 Es 0945	unids chs 2-4		(Snow free)		W68Bpt 68 OH
1935	unid channel 2+		WGRB 34 KY 515		(Dayton TBN)
26 Es 1955	KACVt 2 TX		WTVQ 36 KY 470	2029	WWAT 53 OH 405
	KENW 3 NM 1145		WKLE 46 KY 480	2101	WSFJ 51 OH 405
	KAMR 4 TX 985		WCET 48 OH 400	19 Es 1515	WCBdt 2 SC
27 tr 1903	W42AF 42 WI 80		WAFF 48 AL 675		WFMyt 2 NC
	KSAX 42 MN 385		WKON 52 KY 430		WWAYt 3 NC
	KVRRt 15(MN)		WCVN 54 KY 405		unids chs 2-4 ne
30 tr 1905	KAWB 22 MN 365		WSTR 64 OH 400		French
	WDSE 8 MN 275		WKMJ 68(IN) 430	1810	KPRC 2 TX 1115
	WDIO 10 MN 275		W40AK 40 MI 110		KIIIIt 3 TX
	KMSP 9 MN 280		(Muskegon CHA)		KGBTt 4 TX
1935	CIC09t 9 ON	1827	WKSot 29 KY	1855	KRGvt 5 TX
	WIRT 13 MN 330	1848	WUSI 16 IL 390	1906	KBTX 3 TX 1065
			WVUT 22 IN 400	1915	KENW 3 NM 1145
			W23AT 23 IL 175		KOB t 4 NM
			WKGB 53 KY 510		KAMRt 4 TX
			1916 WKMA 35 KY 500	1959	KDBC 4 TX 1345
			WFIE 14(KY) 455		
			WEHT 25(KY) 455		

Note # 1 - Weaker than when they were carrying scrambled movies a few years ago.

Note # 2 - Parallel to WTLJ-54 with 616-895-5454 phone number on screen. (Bill, are you sure you weren't watching Tri-State's W2480, Kalamazoo, instead of Michigan City? fm)

Note # 3 - W66BD also on ID slide along with 618-997-1851 phone number.

The off season E skip proved interesting. Some tropo activity, but not much due to single digit above and below zero weather. Good thing it didn't last real long as temperatures rose to upper 30s between cold snaps.

This kind of weather froze up my rotor on big tower for a few days. When we had warmer temperatures, it rained and then it turned cold and froze up the rotor. I crawled up there yesterday (it was 12° with a stiff wind at the time) to confirm my suspicions. The bearing at the top of the tower which holds the mast was iced up and wouldn't turn, so I squirted some WD-40 on it hoping the ice would dissolve, but it didn't.

That's all for now. 73, Bill

Jeff Kruszka, 2824-E Steamship Circle, Harahan LA 70123 (504-733-8539)

CST

Equipment:

1992 Zenith "Sentry 2" 13" color TV (Model #S1318S). UHF: RDX Labs UA-900 preamplifier, Channel Master 4228A 8-bay @ 30'. VHF: Rabbit ears and quad loops for channels 2 and 5. Mitsubishi HS-U31 VCR.

November 1992

9 tr 2130	KHOU 11 TX 319	8 tr 0559	WNFT 47 FL 514	17 tr 0830	WXTxt 54 GA	
22 tr 0137	WXVI 15 MS 258		0624 WTWC 40 FL 357		"Fox 54"	
25 tr 0610	WTJP 60 AL 345		1654 KLRT 16 AR 361	0835	WAFt 48 AL 392	
0618	W45AA 45 MS 90		1700 KETK 56 TX 336	0838	WTJP 60 AL 345	
	(Columbia WMAH-19)		1923 KTXH 20 TX 319	0839	KHSH 67 TX 318	
0623	WLOV 27 MS 273	12 tr 1811	2136 WTOG 44 FL 499	0842	KTMD 48 TX 303	
0625	WMAO 23 MS 238	13 tr 0100	0623 WLOV 27 MS 273		KXLN 45 TX 319	
	(// WMAU-17)		0625 WMAO 23 MS 238		0900	WBMG 42 AL 315
			0700 WBMG 42 AL 315		=WFOA 32 AL 286	18 Es 1230 unid 3 ABC
30 tr 0114	WDBB 17 AL 294		0116 WBHS 50 FL 499		1500 unid 2,3 SS XEW	
0125	WBBH 20 FL 554		0119 WFTX 36 FL 552	tr 2323	KLRT 16 AR 361	
			0145 WINK 11 FL 554		2326	KTHV 11 AR 361
			0607 WPTY 24 TN 363	19 Es 0946	unid 2 PBS	
			0619 WLMT 30 TN 360	1718	KGAN 2 IA 857	
			0650 KTEJ 19 AR 412		unid 3	
			(See Note)		2159 unid 5 CBC	
			0651 WMAV 18 MS 301		2236	KWGN 2 CO 1084
			(// WMAH-19)		20 Es 2355	unids 2,3 weak
			0531 WJKS 17 FL 514		21 Es 2050	unid 2 weak
			0555 @WFOA 32 AL 286	14 tr 1925	WDBB 17 AL 294	

December 1992

7 tr 2212	WJSP 28 GA 380				
8 tr 0530	WFXL 31 GA 387				
	WDHN 18 AL 303				
0531	WJKS 17 FL 514				
0555	@WFOA 32 AL 286	14 tr 1925	WDBB 17 AL 294		

Note - Saw "AETN PBS AR" floating under WMAH-19.

Finally got a couple of good openings to Fort Myers/Cape Coral. The E skip was pretty weak this month, nothing to get excited about.

NASWA ANNUAL WINTER SWL FESTIVAL

The weekend of February 18th thru 21st will be time for this year's North American Shortwave Association Winterfest. Fast becoming THE annual DX event in the U.S., over 200 DX hobbyists of all types are expected to attend by organizers. The WINTER SWL FEST takes place outside Philadelphia at the Holiday Inn on Sunneytown Pike in Kulpville, PA; that's at Exit 31 of the PA Turnpike NorthEast extension/Lansdale Interchange. Further info is available from: Winter SWL Fest, PO Box 591, Colmar PA 18915. Up-to-the-minute info on the event can be heard on ANARC's SWL Ham net, 7.240 MHz LSB on Shortwave, 10:00 AM Sunday mornings. Locals in need of info can contact Dan Cashin at (215) 446-7831. Dan will be there with information handouts on WTFDA--and there'll be plenty of info on other DXing clubs and products, as well as some great forums at the Festival, too!

EASTERN TV-DX (NEW EDITOR NEEDED!)

A NEW EDITOR is needed for this section of the UHF-UHF DIGEST. If you would like to volunteer, contact the club publisher via P.O. BOX 514, BUFFALO NY 14205-0514 DXers: hold on to your reports until a volunteer comes forth. NOW, on to the reports forwarded by departing editor BILL NIENAJADLY.

Robert Grant (KD8EN), 8226 Beaverland, Detroit, MI 48239. (313)RE.0-8966

Equipment: 1991 Zenith 27" color, Winegard TV-7052 @25', RG-6

September, 1992:

2 Tr 0300 WILL-12 IL 322	5 Tr 0220 WCPO-9 OH 232	14T0155 WFHL-23 IL
WGN-9 IL 225	0240 WLFI-18 IL 218	0200 WGN-9 IL 225
5 Tr 0000 WCML-6 MI 204	0255 WISN-12 WI 243	WCIU-26 IL 226
WCIU-26 IL 226	0256 WLUK-11 WI 283	32,44 IL T
WFLD-32 IL 225	0259 WAOW-9 WI 370	0234 WAND-17 IL 330
WSNS-44 IL 225	0306 WVTV-18 WI 240	0255 WTV-9 MS 670
WEHS-60 IL 226	0400 WEAU-13 WI 418	
WTJC-26 OH	WITI-6 WI 240	WMCT-5t TN T
WCFC-38 IL T	KARE-11 MN 530	(SSW, Ø-WEWS)
0037 WPTD-16 OH 188	(see note 3)	0312 WTAJ-10 PA 280
0100 WMCC-23 IN	13 Tr 0040 CKCO3-11 ON	WPTA-21 IN 130
0200 WWUP-10 MI 264	WJFW-12 WI 376	
WGTQ-8 MI 263	(see note 4)	0400 WPWR-50
(see note 1)	1920 WBRE-28 PA 390	WJYS-62
GW 0200 W26AB-26 MI	WYOU-22 PA 390	26T0550 CFTO-9 ON 215
(see note 2)	14 Tr 0030 CKCO3-11 ON	0600 WOWK-13 WV 270
		WSWP-9 WV 328
		Oct. 6T0001 WPXI-11 PA 210

NOTES:

- #1: A real surprise, this station eluded me at my old east side place for 12 years of DXing, yet I log it here, which should be a much worse location (WXYZ-7 is abt 8 mi. "head-on" to WGTQ here, compared to 16 mi. at about 70° off at the old place)
- #2 W26AB (Detroit, CHA) had been off the air for more than two years, suddenly reappeared, then disappeared again after less than one month!
- #3 a nice opening, every time I asked it for more distance, it gave! KARE was the best Tr from the old east side place (now I'm about 10 mi. closer to it) nice for only 4 mo. here
- #4 a strange opening, no sign of anything else at all besides these two, both were fading in/out, no sign of any Wausau or Sudbury area DX!

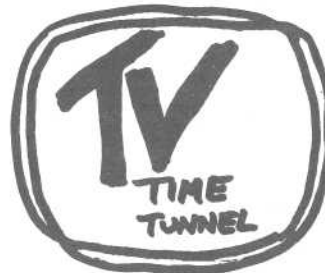
Ed Phelps (NN2E) Rt 2 Box 266 Penton, Ky 42025 502 527 2289 24 hrs	10/28/92		
9/11 W59AF AL 160	9/20 W20AS KY 250	9/29 WVLA 33 LA 481	9/29 KPOM 24 NB 332
9/17 W68AA IL 220	W41AZ KY 250	KOKH 25 OK 517	10/26 WUBI 34 GA 500
W66RD IN 338	9/23 WPGD 50 TN 100	WKHA 35 KY 284	WKPI 22 KY 321
W45AG IN 338	9/29 WGMB 44 LA 481	KOZJ 26 MO 342	Total now 629 loggings

Thanks to Doug Smith for helping me with W59AF. They are in Russellville, AL. They use their call letters on screen but don't say where they are. W59AF was running TEN. W68AA in Danville, IL runs the same programing as WAND 17 in Decatur, IL. WPGD 50 is in Hendersonville, TN. They went on the air 9/23/92 and call themselves Sunlight Broadcasting or some such thing. Of course, they run TEN programing. Just what we need more TEN stations. You can only see about 50 of them from here on an average day. Now all we need are a few more home shopping stations. WUBI 34 is in Baxley, GA. A call to the station revealed that they went on the air 5/1/92, are an independent, and run 360 some KW. I spoke with Ron Evans K5XK at KHOG 29 Fayetteville, AR and he tells me that power output has gone up from 700 some KW to 1.4 meg. Their signal is better here now.

William R. Hepburn 35 Lockwood Rd Brampton ON L6Y 4T7 (EDT)

Equipment: JUC HR-D630U UCR w/attic VHF dipoles & 2nd floor UHF 4-bay

September 1992	September 1992	October 1992
20 Tr 1902 WKEF 22 OH 357	24 Tr 0804 WANE 15 IN 328	06 Tr 0419 WRGT 45 OH T
24 Tr 0604 WCFC 38 IL 416	25 Tr 2158 WJRT 12 MI 217	0436 WKEF 22 OH 357
0606 WFLD 32 IL 416	2347 WSKI 33 MI 280	07 Tr 0053 WSTR 64 OH T
0608 WNDU 16 IN 357	(See Note # 1)	0459 CKWS1 66 ON 106
0609 WHME 46 IN 355	26 Tr 0536 CICA13 13 ON 112	(See Note # 2)
0632 WYCC 20 IL T	October 1992	0502 WKEF 22 OH 357
0702 WCIU 26 IL 417	04 Tr 0422 WNDU 16 IN 357	0846 WNDU 16 IN 357
0758 WFAA 39 IN 328		



WRITTEN BY TOM BRYANT, 849 TODD PREIS DRIVE, NASHVILLE, TN 37221 (615) 646-2000

This month's column was inspired by a letter from Paul Swearingen of the National Radio Club. The focus of his comment was the fact that neophyte dxers are often awestruck by catches most of us consider commonplace, or even boring. He pointed out that newcomers need all the help they can get; and that the clubs and individual members should do everything in their power to see that they get it. I agree 100%!

BACK TO SQUARE ONE

I'd be willing to lay pretty steep odds that most dxers retain vivid memories of their first encounter with skip. It might have been a 1000 mile E hop or a 200 mile tropo catch. Regardless, it was a real eye-opener...a mind-blower! Right there on your TV screen was something that shouldn't have been there...you didn't know why it came in...and most likely didn't care. The important thing was that you saw it! You had sampled the forbidden fruit of the airwaves. The taste was sweet...you searched for more...and more...and more! You were hooked. Probably, without even knowing the term, you had become a dxer.

My introduction to TV dx occurred in the summer of 1953. Our first area station was still six months away from sign-on, but a local store was already selling antennas and sets, and kept one on in spite of the lack of a reliable signal. It was at Wentz Furniture, where I first saw a picture begin to take form on channel 2. Then...there it was...a commercial for Boomershire Motors (the guy had a thick Southern accent and pronounced it 'Boo-muh-shan') immediately followed by a station break. Holy smokes...it was coming from Atlanta, GA...all the way up to Napoleon, ND! The image burned into my mind as if it had been stamped with a hot branding iron!

A few months later we got a set at home and I logged the likes of Seattle, Los Angeles, Phoenix, Montreal, Baton Rouge, and Greensboro. Every new catch was a thrill, but it was a lonely ecstasy...no one else seemed to give a tinker's damn about my 'stupid' hobby.

Oh sure, I eventually learned a little more more about propagation and found a few people who knew more about the hobby than I had managed to eke out on my own; but it wasn't until 5 years ago...after 35 years of dxing...that I was shepherded to the WTFDA Flock by NJ dxer Bill Burrows.

A lifelong dream had been fulfilled! I was finally in touch with people who actually enjoyed dxing! The ultimate perk came unexpectedly when I read in the VUD that a Wisconsin dxer, Doug Smith, had moved to Nashville. A phone call started the ball rolling for what has been one of the most rewarding hobby-oriented relationships of my life.

Boy, did I luck out! Here was a guy who is not only a gung-ho TV dxer, but also active in AM (a long-time favorite of mine) and FM. He's a gold mine of technical information and a walking encyclopedia of general information. Thanks to WTFDA, my days as a 'lone wolf' dxer are over.

These recollections may well be similar to yours, and I brought them up for a reason. We should never forget that we were all beginners. With the spread of cable and the disappearance of outside antennas, odds are that fewer and fewer newcomers will discover the mystique of the airwaves that we take for granted. As an organized hobby, TV dxing is an endangered specie; and it's up to us to help keep it alive by encouraging and promoting interest at every opportunity. It's a sobering thought and a heavy responsibility.

Somewhere out there, there's a young Bob Seybold just waiting to be discovered. Will you be there? Will he be able to find you? Let's hope so on both counts. He'll need your help and encouragement.

TV News

Doug Smith
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Abbreviations used in this column:

ERP= Effective Radiated Power, in kilowatts
 HAAT= Height Above Average Terrain, in meters
 AAT= Above Average Terrain
 AG= Above Ground
 ASL= Above Sea Level
 nc= no change
 TL= Transmitter (and tower) Location
 CP= Construction Permit
 MP= Modification Permit (modification of CP)
 *= Non-commercial
 CRTC= Canadian Radio-TV Commission

APPLICATIONS FOR NEW TV STATIONS:

St.	Ch.	ERP	HAAT	City; Applicant
WY	*8	316kW	356m	Laramie; Central Wyoming College (licensee of KCWC-*4 Riverton)

APPLICATIONS TO CHANGE EXISTING STATIONS:

St.	Ch.	ERP	HAAT	Call	City
AZ	21	1496kW (was 646kW)	nc	KPAZ-TV	Phoenix
CO	*6	nc	292m	KRMA-TV	Denver
				(TL: 39°43'49"N, 105°15'00"W; 4km SW of Golden, very close to existing site. Was 280m.)	
NM	48	1496kW (was 5000kW)	nc	KZIA	Las Cruces
TN	*45	1524kW (was 1480kW)	328m	WTCL	Chattanooga
TX	49	4227kW	359m	KTFH	Conroe
				(TL: 30°15'45"N, 95°14'50"W; 19km SE of Conroe. Was 4070kW.)	
VA	29	nc	363m (was 366m.)	WVIR-TV	Charlottesville

CHANGES GRANTED TO EXISTING STATIONS:

St.	Ch.	ERP	HAAT	Call	City
AL	45	619.4kW (was 603kW)	nc	WMCF-TV	Montgomery
CA	39	2500kW (was 5000kW)	nc	KNSD	San Diego
IN	63	1374kW (was 5000kW/145m)	144m	WINM	Angola
TX	14	3236kW	269m	KXAM-TV	Llano
				(TL: 30°40'36"N, 98°33'59"W, 12km SE of Llano off TX-71.) (was 5000kW/524m)	

CALL LETTER CHANGES FOR EXISTING STATIONS:

St.	Ch.	City	Was	Now
NM	2	Santa Fe	KKTO-TV	KASA-TV

CALL LETTERS ASSIGNED TO NEW STATIONS:

St.	Ch.	Call	City; permittee
SC	55	WVVT	Rock Hill; Rock Hill Broadcasting Corp.

OTHER STUFF:

The single-column format is temporary. (my printer died; the word-processing software I normally use doesn't have a driver for the replacement printer; and the software I'm using for this month's column doesn't support multiple columns. Anyone out there willing to sell a printhead for an Epson LQ-500 at a reasonable price? Epson gets \$150...)

The change information for KXAM-TV above listed the station as being on channel 77! Where they got that from, I've no idea-- all past information on this station (including conversations with their former CE) indicate they are indeed on channel 14...

I also note with interest the call change for KKTO-2. I'd speculated this station would become KGSW and replace channel 14 as the Fox affiliate for the Albuquerque market-- but given that KASA "misspells" something in Spanish, and Albuquerque has a substantial Hispanic population, might this become a Spanish-language station??

The Supreme Court has agreed to hear a radio case with implications for TV stations near state lines. Currently, broadcasting stations are only permitted to air commercials for state lotteries if the state to which the station is licensed has a lottery. In the case in question, WKOC(FM) Elizabeth City, N.C. (which serves the Norfolk, Va. market) has asked the court to allow the airing of commercials for the Virginia Lottery, currently prohibited since North Carolina doesn't have a lottery.

KDKA-2 Pittsburgh has reportedly decided to preempt CBS's afternoon programming to carry the two-hour Disney Afternoon cartoon show.

ChicagoLand Television News, that city's 24-hour local cable news channel, was scheduled to begin operations in early January, serving 600,000 area cable subscribers.

Zenith and Goldstar have jointly developed a HDTV VCR. The machine is to become available in 1996; will use regular S-VHS cassettes; and will retail for about \$1,000.

Game-show producer Mark Goodson has died of cancer. Goodson was 77. Among many other programs (the Guinness Book of World Records lists him as "the most prolific producer in television history"), he produced Family Feud and The Price is Right.

Also, KSTP AM/FM/TV founder Stanley E. Hubbard has died at age 95. KSTP-TV was the first NBC affiliate not owned by the network. (it's now switched to ABC) Hubbard's company (now run by his son Stanley S. Hubbard) expects to pioneer DBS satellite broadcasting in early 1994. And, Hubbard is behind the Conus Communications satellite-news-gathering company and the All-News Channel aired by a number of LPTVs and in late night by full-power stations.

A bankruptcy court in Madison, Wis. is expected to approve a reorganization of Tak Communications. The move would technically change ownership of Tak's five TV stations, but would probably not break up the group. (including WKOW-27, WAOV-9, WXOW-19, and WQOW-18)

Moscow's first independent TV station, TV6, was to begin operation on Jan. 1. Turner Broadcasting and Moscow Independent Broadcasting Co. are operating the station.

A likely candidate for Alfred Sikes' position as chair of the FCC may be in trouble. Antoinette Cook was involved in a partnership that challenged the license of WGMS AM/FM Washington in 1988. In a rather complicated process, her group, RKO (former owners of WGMS), and 6 other applicants (including one 12% owned by Cook's stepfather) reached an agreement to withdraw their applications & allow a 9th applicant to purchase the stations for \$33,900,000. Of this money, Cook's partnership received \$2.1 million, and Cook herself was entitled to roughly 1/4 of that money. This practice was banned by the FCC in 1989, when it limited payments to license-challengers to out-of-pocket expenses. Many such challenges were filed against RKO's stations after the FCC revoked the license of their WNAC-TV Boston. (now WHDH-TV)

FORUM:

Dave Sinclair, Vancouver BC:

"Referring to your column, December, page 15, I have never understood why television stations drop "TV" from their identification, such as KOIN, Portland." I'm not sure I understand either! Two guesses: First, that the stations don't want some radio station taking up their call (for example, if KOIN had remained KOIN-TV, an unrelated radio station could have chosen the KOIN calls); second, that they wanted to change their graphic look & didn't want to make room for the -TV suffix. But that's strictly speculation.

"In connection with the Bellingham and Anacortes, Washington changes; this is no surprise, and will enable the Christian group and TBN to obtain a full power UHF station for the Vancouver and Victoria markets on channel 24." I hadn't been aware that KBCB was to be a TBN affiliate, but sometimes that's hard to tell from licensee names. Or, the station has been sold in the last year--my database's ownership records are kinda old.

"I suspect that part of the problem with KEBN-32 Salem, Oregon was that they were not on cable anywhere in Portland." Yes, probably true. It's unusual for a new station to get on cable these days, though the lawsuit recently won by KH12-64, or the possible implementation of a must-carry law, may change that soon.

Dave sent along some more Canadian news clippings. In the Dec. 24 Vancouver Sun, it's reported that the CRTC has decided to allow Western International Communications to purchase CHCH-11 Hamilton, Ontario. The purchase had been previously approved, but only on the condition that WIC sell either CHEK-6 Victoria or CHAN-8 Vancouver. WIC considered that condition unacceptable; the CRTC felt the CHCH purchase was an opportunity to correct the multiple-ownership situation in the Vancouver market. (CHEK and CHAN have overlapping coverage; both stations put city-grade signals into Vancouver. This is absolutely not permitted in the U.S., and in Canada is only permitted in smaller markets.)

And, in the Dec. 8 Globe & Mail, reports on CRTC hearings on the future of Canadian television; over 300 briefs have already been filed for hearings to be held in March. In what sounds an awful lot like the argument over the retransmission-consent provisions of the U.S. Cable Act, Canadian TV stations are calling on the CRTC to require cable systems to reimburse them for their programming; Canadian Cable TV Association president Kenneth Stein says "We are not willing to discuss a fee for carriage. It is out of order." The "Friends of Canadian Broadcasting" are calling for encouragement of DBS and wireless cable.

Keith Short, Columbus OH:

From the Dec. 15 Cincinnati Enquirer; Does anyone out there remember the pioneer QUBE interactive cable system built in the Cincinnati area in the late 1970s? Well, it is no more... As part of an overhaul of Warner Cable's Cincinnati-area systems, the QUBE converter boxes are to be replaced with new units, and coaxial trunk lines & microwave networks are to be replaced with more reliable, but not interactive-capable, fiber optic links.

Warner had promised that QUBE would be used for live town meetings, local entertainment programs, home education programs, and public opinion polling, but high costs brought interactive functions to an end in 1984.

Keith asks "If fiber optics are replacing coaxial cable, could it not be far off that we'll see a TV antenna hookup for the home using fiber optics?" Probably not; the real value of fiber is in very long cable runs. To run cable TV signals over coax, amplifiers are required at regular intervals; these amplifiers are susceptible to lightning damage, not to mention the other assorted problems that can befall any electronic equipment. Fiber not only can transmit further (requiring fewer amplifiers) but since the optical fiber is made of non-conductive glass, lightning is much less of a problem. For that reason, fiber is commonly used by broadcast stations wishing to transmit video between buildings (both WISC and WSMV use fiber for studio-to-transmitter links, over distances of several hundred meters), and fiber-optic video circuits can be leased from telephone companies.

But for transmission from your roof to your TV, the cost of the RF-to-light and light-to-RF converters needed would probably be too expensive. On the other hand, I can certainly see the day when instead of a coaxial cable entering your home, the cable feed will be on fiber, with the light-to-RF converter being part of your cable descrambler box.

Tom Bryant, Nashville TN:

Tom received another phone call from a Winnipeg-area friend who believes KVRR-12 is not off. CHMI-13 interference and the fact that KVRR isn't on Winnipeg cable make it difficult to tell for sure. He also spoke to someone in Billings who said KSVI-6 (formerly KPQD) was to have premiered in early January as the market's ABC affiliate, with KOUS-4 going dark. Whether this has actually occurred is unknown.

Also locally, W36AK has returned. Looks like TBN isn't paying as much attention to this LPTV now that WPGD-50 is on--WPGD's signal is better in most parts of Nashville anyway.

CONVENTION:

Make your plans! We promise a good time, interesting tours, an air-conditioned venue, and lots of DX! Feel free to contact Tom Bryant or myself if you have any questions, suggestions, or comments.

DX:

There's actually been some! The holiday season seems to be the prime tropo season here in the Mid-South. Openings have included (for my feeble antennas) Birmingham, Atlanta, Dayton, plus new Poplar Bluff MO and Jonesboro AR, for two new states. While no Es has been caught at my location, 50MHz reports are pretty good, so I'm sure there's be plenty in Eastern & Western TV. Speaking of the holiday season, I hope yours went well.

73 Doug

1992 TV E-skip Report

Monthly report:

Month:	Total loggings:	Es days:	Average:
December (1991)	85	9	9.44
January	49	13	3.77
February	7	1	7.00
March	none		
April	2	6	0.33
May	581	29	20.03
June	1102	26	42.38
July	378	26	14.53
August	49	16	3.06
September	3	2	1.50
October	none		
November	2	1	2.00
Annual summary	2258	129	17.50

Total loggings: All Idd Es loggings reported to ETV/WTV.
 Es days: All days on which at least one DXer reported an Es logging. (IDd or unID)
 Average: Average number of Es loggings reported per day.

Best days:

Date:	Total:	Reporters:	Avg.	MUF:	Max:	FM Rank:
1 May 25:	172	31	5.55	107.9	15	2
2 June 13:	168	30	5.60	107.9	19	1
3 June 14:	133	24	5.54	107.9	24	3
4 June 16:	108	16	6.75	107.9	50	9
5 June 17:	87	24	3.63	107.9	14	4
6 June 15:	78	20	3.90	102.3	18	12
7 July 7:	78	24	3.25	107.3	17	10
8 May 24:	72	24	3.00	107.9+	8	7
9 June 19:	70	16	4.38	107.5	18	6
10 June 18:	61	18	3.39	117.6	15	5
11 May 12:	60	12	5.00	106.3	23	11
12 June 8:	60	15	4.00	6	13	
13 July 18:	60	16	3.75	5	12	
14 May 23:	58	13	4.46	106.3	28	13
15 June 10:	53	14	3.79	104.1	13	18
16 June 5:	49	10	4.90	105.1	14	17
17 June 20:	45	17	2.65	6	10	
18 December 2:	43	12	3.58	102.3	8	
19 July 12:	40	9	4.44	5	10	
20 June 12:	38	14	2.71	6	8	

Total: Count of all IDd Es loggings reported this date.
 Reporters: Count of all DXers who reported Es loggings this date.
 Avg.: Average number of loggings per DXer this date.
 MUF: Maximum usable frequency reported.
 Max: Most loggings reported by one DXer.
 FM Rank: Ranking of this date in Greg Coniglio's FM Es report.

Doug Smith
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 Nashville, TN 37209-4503

CONVENTION '93...NASHVILLE---CONTINUED FROM PAGE 2

It's no secret that a lot of WTFDA members are not country music fans. No problem! There's plenty to do and see in this area without getting anywhere near a guitar! For history buffs there are numerous Civil War battle sites and cemeteries. Antebellum homes such as the "Hermitage" (President Andrew Jackson) have been restored and are open to the public. A full-size replica of "The Parthenon" houses art exhibits and statuary.

If you are into country music...this is **THE** center of the universe! Of course there's that venerable national treasure called "The Grand Ole Opry". On the same property you'll find the sprawling Opryland Theme Park (it takes two days to cover everything). Right next door is the opulent 1800 room Opryland Hotel and Convention Center...worth at least an hour just to walk through the tropical gardens. Adjacent to the Opryland parking lot is the General Jackson Showboat...it's a real paddle-wheeler that carries almost 1000 passengers, and makes several cruises daily. Want more? How about The Country Music Hall of Fame and Museum (including historic RCA 'Studio B' where Elvis and other country superstars recorded hit sessions), Music Row, Tootsie's Orchid Lounge, Twitty City, Printer's Alley, and countless other less famous spots.

Eating? You want it...Nashville has it! This place is almost like New Orleans...it would take a month to eat your way through the better restaurants. Your hosts will be glad to make recommendations.

Summertime weather in Nashville is likely to be hot and humid. No need to bring a jacket or sweater...daytime highs in late July are usually around 90 and nighttime lows between 70 and 75. Everything down here is air-conditioned, so it's really not as bad as you might think...unless you plan to spend a lot of time outdoors. Shorts, T-shirts and swimwear are recommended for maximum comfort.

Well, that's it for your introduction to your 1993 Convention site. We'll be updating this information frequently; but wanted to give everyone plenty of advance notice as to what to expect.

The WTFDA has a history of good-time conventions, and it's our hope that you will leave Nashville with memories of one of the best ever. We intend to allow plenty of leisure time for you to visit our many attractions. Of course, if you just want to hang out at the Convention headquarters, you'll probably have plenty of company.

If you have any suggestions or requests, please let either of us know as soon as possible. After all, this is YOUR yearly gathering, and we want it to include as much as possible of interest to WTFDAers.

Accommodations and registration fees will be announced at a later date. Meanwhile, if you want any tourist information please contact either of us (and let us know if you have specific area of interest).

WE CAN'T THINK OF ANY REASON NOT TO BE HERE...SO START PLANNING RIGHT NOW! LET'S MAKE '93 THE BIGGEST TURNOUT IN WTFDA HISTORY!

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[No collect calls, please. Answering devices on both phones.]