

# NWS NEWS

If you'd like a brochure listing all the NWS stations and frequencies, just send me a SASE and I'll send it!

MAY 1987

Matt Sittel  
220 Brookfield Drive  
Kingsport, TN 37663-9777  
(615)239-9186

DEADLINE: the first!

A LOOK AT WHAT'S NEWS FOLLOWS THE WEATHER: Here I sit typing this up on April 1st. The weather sure has been foolish. March 30th was the warmest day of the year so far, with a near-record 73°. The next morning I woke up to  $\frac{1}{2}$  an inch of snow and 30°. Today it's sunny and 50°. What next?

## The News

John F. Combs, 1308 Willow Branch #24, Jacksonville, FL 32205 (ET)

Here is a list of the NWS stations I have logged from Jacksonville:

(mileages approximate)

|         |        |                     |     |     |
|---------|--------|---------------------|-----|-----|
| 162.400 | KIH-26 | Daytona Beach, FL   | Tr  | 80  |
|         | WXM-58 | Clewiston, FL       | Tr  | 270 |
|         | KEC-85 | Savannah, GA        | Tr  | 120 |
| 162.475 | WXJ-60 | Gainesville, FL     | Tr  | 60  |
|         | KEC-50 | West Palm Beach, FL | Tr  | 270 |
|         | WXX-75 | Waycross, GA        | Tr  | 80  |
|         | KIG-77 | Cape Hatteras, NC   | Tr  | 500 |
|         | WXJ-23 | Beaufort, SC        | Tr  | 175 |
|         | WXX-28 | Beaumont, TX        | Es! | 735 |
| 162.550 | KHB-39 | Jacksonville, FL    | GW  | 10  |
|         | KHB-29 | Charleston, SC      | Tr  | 200 |

All of these were received on a Regency Z30 scanner with a whip antenna. The most enjoyable logging was WXX-28 by Es during an intense opening that reached hi-band TV. (I'll bet it was! It's not every day-not every year-that Es gets up that high. Was this June 11, 1986 by any chance, John?-mcs)

Now I would like to present a mystery involving some NWS stations. I would like to know if anyone has an explanation for the following (get out your magnifying glasses everyone!-mcs)

One afternoon, during an E-skip opening that was lolling around channel 2 (D), I WAS listening to lo-band skip on my scanner. I was on 35.22 MHz, listening to some pagers, when I could hear, fading up and down, the unmistakable sound of an NWS station. I listened carefully for a few minutes and heard it ID as KHB-59 in Cleveland, giving a weather forecast for that area. I called Larry Van Horn and asked him to check his scanner, and the signal was audible to him on scanners of other makes, so we're not dealing with a Regency quirk here. A few minutes later, the audio of KIH-35 in Pittsburgh faded up enough to ID!!

When and how could two different NWS stations, both broadcasting on 162.55 MHz, be audible on 35.22 MHz during a skip opening? I do not believe this to be an image, since 162.55 MHz is occupied by my local KHB-39 which was blaring away on that frequency during this entire incident. If it were some sort of weird image, certainly it would be my local that would show up as the image. Maybe some community in Ohio uses a surplus 35.22 MHz transmitter as some sort of illegal "translator" of an NWS channel? Somewhere between Cleveland and Pittsburgh? Or was this a bizarre hoax perpetrated by some pirate?

I will entertain any theories from fellow DXers on this!! (My guess is that there is a 35.22 MHz that is running those NWS's-but both of them?? How could they do that? Or is this happening all across America? Any ideas, readers? Your guess is as good as mine-let's see every of them here in NWS NEWS!!!-mcs)

Now, as I promised last month..here's the long and short of it!

As any broadcast station is, some can be heard farther away than others. Of course, that depends on many conditions such as power output, antenna location, and surrounding terrain. Well, the NWS stations are no exception. Ever since the invention of the weatheradio, I've noticed that there are wide ranges in how far some of these signals travel. Let's look further into some of them. (You might want to get out your maps and road atlases now so you can find the exact places I'm speaking of)

For example, my local station WXX-47, has a fairly large coverage area, thanks to its 4400' MSL antenna site on nearby Holston Mountain. Now, turn to Tennessee in your atlas. At the point where Interstates 81 and 40 meet, you can hear 3 different NWS stations: WXX-47 at 60 miles; WXX-46 from Knoxville at 30 miles; and WXL-56 from

next page

Asheville, NC at 56 miles. All of these were heard on my portable Realistic 12-151A receiver. Look on Interstate 40 near Rockwood, TN. The Interstate 40, right above it (literally-its a long drop to the city below!!) is one of our state's finest reception areas-here, you can receive 4 stations-WXX-46 at 40 miles; WXX-48 in Chattanooga at 67 miles; and WXX-52 in Chatsworth, GA (75 miles) and WXX-61 in Cookeville (55 miles) fight it out-and occasionally I've heard WXL-56 at 110 miles-that makes five. (I've forgotten to mention the frequencies here-WXX-47 is .550, WXX-46 is .475, WXL-56 is .400, WXX-48 is .550, and WXX-52 and WXX-61, both .400. All are preceded by 162.) That's something you really have to hear! But, it's only in a 5-mile stretch-and no rest areas. (Don't get too engrossed in it, though-remember, this IS a plateau-and its 1000 feet to the bottom.) That's abundance for you!

Lengthwise, some of the biggest I can recall are:  
--WXL-60 in Roanoke, VA at 110 miles from mile 45 on I-81 near Marion, VA.  
--WXL-30 in Tucson, AZ at 105 miles from just outside Phoenix, AZ on I-10.  
--to mention the previous 110-mile log of WXL-56 from Asheville, NC on I-40 near Rockwood, a 115-mile log on I-26 about 30 miles outside of Columbia, SC.  
Those are my personal best under normal CW conditions.

Shortwise, there's:  
--KIG-79 is pretty weak outside of 30 miles from Nashville, TN.  
--WXJ-20 in Columbia, SC is weak outside of 25 miles from Columbia.

And most metro areas are about the same. (30-40 miles at best)  
BUT THE ALL-TIME RECORDS GO TO:  
Longest: 120 miles, WXL-47 Poplar Bluff, MO, from Jackson, TN.  
Shortest: I remember WXM-56, which ironically is one of my favorite NWS stations-was barely audible at 12 miles. (Colorado Springs, CO)

Those are my best-how about yours? Send them in.

Since John Combs sent in his report, I'll choose Florida as this month's spotlight state (one of the northeastern US's favorite catches-just like Texas for me) when you send in your report, the spotlight state for that particular column will be your state that you live in (or another state, if you have a certain one you would like to see)

| CITY            | CALLS  | FREQ. | POWER | LATITUDE | LONGITUDE | MSL | HAG |
|-----------------|--------|-------|-------|----------|-----------|-----|-----|
| CLEWISTON       | WXM-58 | .400  | 300   | 26.40'   | 80.38'    | 361 | 350 |
| DAYTONA BEACH   | KIH-26 | .400  | 1000  | 29.12'   | 81.00'    | 230 | 200 |
| FORT MYERS      | WXX-83 | .475  | 1000  | 26.37'   | 81.48'    | 279 | 260 |
| GAINESVILLE     | WXJ-60 | .475  | 1000  | 29.42'   | 82.23'    | 530 | 350 |
| JACKSONVILLE    | KHB-39 | .550  | 1000  | 30.19'   | 81.32'    | 234 | 174 |
| KEY WEST        | WXJ-95 | .400  | 1000  | 24.39'   | 81.32'    | 254 | 250 |
| MELBOURNE       | WXJ-70 | .550  | 1000  | 28.04'   | 80.36'    | 212 | 192 |
| MIAMI           | KHB-34 | .550  | 500   | 25.32'   | 80.28'    | 707 | 700 |
| ORLANDO         | KIH-63 | .475  | 500   | 28.35'   | 81.25'    | 442 | 350 |
| PANAMA CITY     | KIG-67 | .550  | 1000  | 30.08'   | 85.42'    | 207 | 200 |
| PENSACOLA       | KEC-86 | .400  | 500   | 30.26'   | 87.14'    | 433 | 200 |
| TALIAHASSEE     | KIH-24 | .400  | 1000  | 30.25'   | 84.16'    | 370 | 300 |
| TAMPA           | KHB-32 | .550  | 1000  | 27.50'   | 82.15'    | 535 | 500 |
| WEST PALM BEACH | KEC-50 | .475  | 500   | 26.35'   | 80.12'    | 415 | 400 |

Florida has one NWS station that happens to be funded by a private interest group. That's WXM-58 in Clewiston. I wonder if WXJ-95 gives forecasts for Cuba??

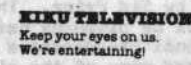
OTHER NWS NOTES: The tape of NWS stations I'm planning on doing is a long way from being completed. In fact, I haven't even started it yet. It should be a 90-minute tape, but might be two 90-minute tapes. I plan for it to contain a variety of the many NWS stations I have recorded, mostly in the southern half of the U.S. Also, it will contain some interesting occurrences from my local NWS-including some severe weather happenings, and record extremes-like the coldest day ever reported here. Hopefully I can get it done in the next few months-watch this space for when I complete it. Also, to those of you who helped out the "Bumper Sticker Trading Post"; thanks for trying. If you're into collecting them, I urge you to check out "Decalomania", as listed in the March 1987 VUD; it's well worth it. Till next time: Keep one eye on the weather, and the other on your TV or stereo (it's E-skip time, you know!!) 73's, Matt

(Had to put something here-so I put this)->  
NEXT TIME: Don't be ALARMED; it's just the ALARM, and hopefully something in "NWS NEWS" from you!



THOMAS J. YINGLING, JR.  
221 PINWOOD ROAD  
BALTIMORE, MD 21222-2345  
PHONE # 1-301-282-5649

I got lots of logos from Robert Schweitzer of Old Bridge, NJ that should last a few issues of Logo's Run. It seems like Robert has accumulated approx. 150 tv guides from 95 different editions. So without any more delay, here we go. You may see repeat logos from past columns some times. This maybe due to different logo used for same station. The list of logos will show call sign & channel. I do not repeat the -TV prefix everytime.



Here's the list of tv id logos for this month: WILL-12 Urbanan IL, WXNE-25 Boston MA (now WFXT-TV), WBRE-28 Wilkes-Barre PA, KTBC-7 Austin TX, KDKA-2 Pittsburgh PA, KTXH-20 Houston TX, WCAU-10 Philadelphia PA, WENH-11 Durham NH, WRGB-6 Schenectady NY, WCIA-3 Champaign IL, KTAB-32 Abilene TX, KHET-11 Honolulu HI, WBT-3 Charlotte NC, WFLD-32 Chicago IL, KAUZ-6 Wichita Falls TX, WKEF-22 Dayton OH, WTKR-3 Norfolk VA, WDLZ-39 Miami FL, KCST-39 San Diego CA, WICS-20 Springfield IL, WICD-15 Champaign IL, WRET-36 Charlotte NC (now WPCQ-TV), WCLQ-61 Cleveland OH (now WQHS), WGN-9 Chicago IL, WIXT-9 Syracuse NY, WXIX-19 Newport KY, WTAJ-10 Altoona PA, WNCN-9 Greenville NC, WPGH-53 Pittsburgh PA, KSTU-20 Salt Lake City UT, WEZF-22 Burlington VT (now WVNY-TV), WDTN-2 Canton OH, CHSJ-4 St. John NB, KPLR-11 St. Louis MO, KOKH-25 Oklahoma City OK, WOFL-35 Orlando FL, WRAL-5 Raleigh NC, KTXA-21 Ft. Worth TX, WGAL-8 Lancaster PA, WITN-7 Washington NC, WQED-13 Pittsburgh PA, KSTU-20 Salt Lake City UT, WPWR-60 Aurora IL, WRLH-35 Richmond VA, WSBK-38 Boston MA, KRMA-6 Denver CO, WRCB-3 Chattanooga TN, WTVQ-36 Lexington KY, WBBH-20 Ft. Myers FL, KAYU-28 Spokane WA, KGMB-9 Honolulu HI >->->-page 2 <-<-< WVAH-23 Charleston WV, KVOA-4 Tucson AZ, WNYC-31 New York NY, WBKO-13 Bowling Green KY, WPGH-53 Pittsburgh PA, KHTV-39 Houston TX, WDBO-6 Orlando FL, WMUR-9 Manchester NH, WTOG-44 St. Petersburg FL, KGUN-9 Tucson AZ, WDTN-2 Canton OH, WLOL-25 Columbia SC, WMUL-33 Huntington WV, WRAU-19 Peoria IN, WBF-45 Baltimore MD, WTEN-10 Albany NY & WCDC-19 Adams MA, OETA stations id of KOET-3 Eufaula/KQED-11 Tulsa/KWET-12 Cheyenne/KETA-13 Oklahoma City OK, WTOV-9 Steubenville OH, KENS-5 San Antonio TX, KIKU-13 Honolulu HI, WIS-10 Columbia SC, WKRQ-5 Mobile AL, KSTU-20 Salt Lake City UT, KBHK-44 San Francisco CA, KTXH-20 Houston TX, WMTV-15 Madison WI, KVOA-4 Tucson AZ, WEEK-25 Peoria IN, CKTM-13 Three Rivers PQ, WJAR-10 Providence RI, WDAU-22 now WYOU-TV. I have out some letters to stations for some logos, so in up coming columns will be some logos that are hard to come by. Also, I'm looking for info on tv stations that have gone stereo-tv. If you know of any please report of them when you send in your qsls & logos.



# ANARC UPDATE

ANARCON '87

This year's greatest gathering of DX'ers in North America is only two months away. It is the annual ANARC Convention. It will be held from July 16 to 19 at the Nevala Hotel in Mississauga, Ontario, CANADA. Mississauga is just outside Toronto, which is one of North America's greatest and cleanest cities.

The convention will start a day earlier, on the evening of July 16th with an Early Bird Reception. This allows you to meet the other early attendees and the Broadcasters.

Friday's agenda starts with a taping of programs for Radio Canada International. The radio receiver manufacturers, equipment dealers, and the clubs will have exhibits at the convention. In the afternoon, there will be two seminars. One will deal with the aspect of the hobby known as Vintage Radio Collecting. This seminar will be given by Sid Prior. The second seminar will cover Longwave DX'ing. This seminar will be given by Herb Balfour. Herb is described as a "Lawyer". The International Broadcasters Forum will take place from 3 to 5pm. Last year's forum included many of the big names of shortwave radio and this year will be no exception.

Saturday's festivities will begin with a seminar on an introduction to our hobby. This seminar is designed for the beginner. For the more experienced DX'er there will be a seminar on RTTY (Radio Teletype broadcasts) at the same time. A new feature at this year's convention will be a club forum. Hopefully W7FDA will be represented at this part of the convention. After lunch, another program for Radio Canada International will be recorded. Two concurrent seminars will follow, another beginners forum and a seminar on propagation. A question and answer session with representatives of manufacturers and distributors of radio equipment will take place from 2:30 to 4pm. This will be followed by a seminar on antennas.

Saturday evening will be the main event of the convention, the annual ANARC Banquet. The keynote speaker this year will be Bob Grove, owner of Grove Enterprises, a leading distributor of receiving equipment. Bob also publishes Monitoring Times. I'm sure there will be plenty of door prizes as well as the annual ANARC raffle.

Sunday morning, several special interest workshops will be held. At 10am, Tom Williamson will give a seminar on fifty years of DX'ing. A highlight feature of the past few conventions, the World Radio-TV Handbook Quiz, hosted by Andy Sennit will follow at 11am. Following lunch the convention will conclude with the closing ceremonies and a tour of Toronto.

(Please note, the above agenda may change by the time of the convention. An updated agenda will be presented at the convention.)

For information and a registration form, please write to:

ANARCON '87  
P.O. Box 232, Station z  
Toronto, Ontario M5N 2Z4  
CANADA

I found a few new 800 numbers:  
Maryland 1-800-331-1750  
Virginia 1-800-VISIT VA

Well, that's it for this month.

73's

*Steven P. Sprachman*  
Steven P. Sprachman



ANARCON

Communications • Yesterday, Today & Tomorrow  
July 17-19, 1987. Mississauga, Canada

# EASTERN TV-DX

John F. Combs  
1308 Willow Branch #24  
Jacksonville FL 32205  
(904) 389-2451  
DEADLINE: 1st

MAY 1987

Apparently not much ado in DX-land, since only 3 reports received this month. A little off-season E-skip skipped into the South, with openings noted 2/9, 2/17, 3/17, and 3/22. No appreciable spring tropo reported, though there is one unconfirmed report of brief FL-to-TX ducting.

This month's Rip Van Winkle Award goes to a long-inactive DXer that some of the real veterans in the club may remember. Check out the following page for a fine report from former AIPA columnist John G. Broomall!

Matt Sittel, 220 Brookfield Drive, Kingsport TN 37663

| JANUARY 1987     | FEBRUARY 1987       | MARCH 1987                     |
|------------------|---------------------|--------------------------------|
| 19 E 1713 unID-2 | 17 E 1800 WGBH-2    | MA 734 17 E 1734 ColorVision-2 |
| FEBRUARY 1987    | 1801 WBZ-4          | MA 734 DR 1600                 |
| 9 E 1905 XHY-3   | YU 1358 1802 CBHT-3 | NS 1116                        |
| (See note)       | 1826 WFSB-3         | CT 642                         |

NOTE on XHY-3 logging: "Ad for Bimbo Pan Tostado--what a name!!" (Now, Matt, ya never know...maybe Bimbo is a fine family name in Mexico!--jfc)

"Here's my little report, but it's big compared to this time last year...is this an indication of maybe 1987 being better than 1986 for E-skip? (I sure hope so--jfc) Interestingly, saw Es 2 months in a row on the same day--amazing just to see 2 openings in those 2 months."

"As I did last year, I'll trade my TVG's to anybody who wants them. I've got two editions: Bristol-Kingsport-Johnson City and Knoxville-Chattanooga. If you don't have two editions, I'll take two of the same one. It doesn't matter if you're out of range of Es reception here. I collect them from anywhere, so don't hesitate. I hope to hear from you! 73's and best of DX to all."

John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205

MARCH 1987

15 T 0138 t/in wk signals 7,25,26,41 + strong offset on WDFL-35...no IDs  
17 T 0220 unID-29 after WANS-30 off; pretty constant, barely there, not an image  
1505 WTAT-24 SC (216)  
18 T 0340 t/in WJKA-26 NC (335), WTAT-24 SC (216), unIDs-19,29  
22 T 0745 to 0915 Widespread, but no great distances: Tallahassee, Tampa-St.  
Pete, Ft. Myers/Naples/Cape Coral (240-277), WTVX-34 FL (234), WJKA-26,  
WTAT-24  
E 1200 unID-2 w/IDs of XH??-7, Imevision Net  
1330 unID-2 SS Game/variety show for kids  
1330 unID-3 briefly  
T 1825 WTAT-24 SC (216)  
2150 WATG-26 (SC)(215)

Larry Van Horn reports that a colleague of his in Melbourne FL reputedly logged KLRU-18 Austin TX early in the evening of the 22nd. I have been unable to confirm this. Those Mexicans are frustrating. I wish someone would do some investigative work and obtain a good list of Mexican TV stations. Jim Pizzi tells me that Imevision in particular has added a lot of relays, some on lo-band.

I now have a 4-bay antenna for UHF on a pole in my apartment, about 30' AG, but less AAT since I'm located on the side of a small incline. I now get fairly frequent scatter from Savannah, Hardeeville, and Orlando, usually just a frame bar. I also built a couple of Quad-loops for the upcoming E-skip season. They are cut to 60 mHz and located on the walls, one facing about NW-SE, the other NE-SW. I had also constructed 80 mHz loops for TV Chs. 5/6, but found, strangely, that the 60 mHz loops seem to outperform them on those channels! WESH-2 and WJFT-5 are regulars on the loops, WSAV-3 less so. Es should easily kill them, and I have noted a few MS bursts over WESH-2. For hi-band, I still use bunny ears.

This is probably as good of an antenna set-up as I can accomplish indoors. Any better ideas? The only two things I wish I could afford right now are (1) A decent receiver and (2) another decent receiver!





# PHOTO-NEWS

David J. Nieman  
12284 Nice Road  
Akron, NY 14001-9529

MAY 1987

As promised; this months photos are from Bill Eckberg - Dixon, Illinois

**Equipment:** 1966 Zenith b&w tube type receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA-4975 preamplifier on a 40 foot tower.



**WTAJ-10**  
Altoona, PA  
571 mile tropo  
seen March 12, 1986



**WWL-4**  
New Orleans, LA  
813 mile E-skip  
seen June 11, 1986  
"over WHBF-4 at 61 miles"

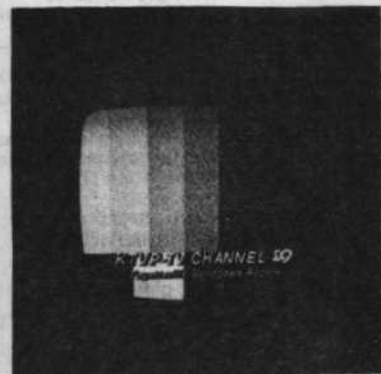


**WPCB-40**  
Greensburg/Pittsburgh, PA  
518 mile tropo  
seen March 12, 1986  
"religious"

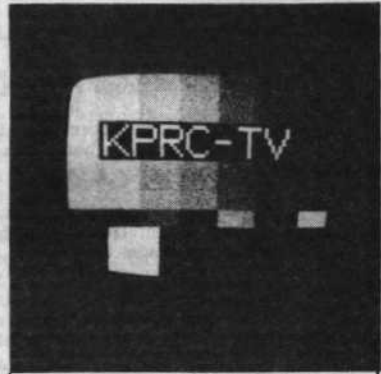


**WXVT-15**  
Greenville, MS  
570 mile tropo  
seen June 18, 1986  
"ran 15 min before s/on"

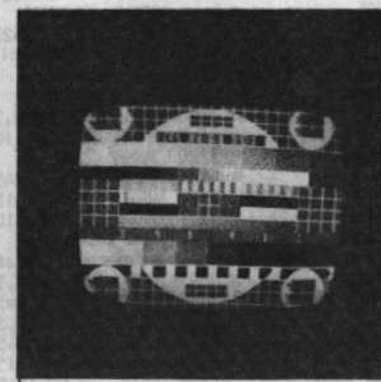
Bill's photo file continues.....



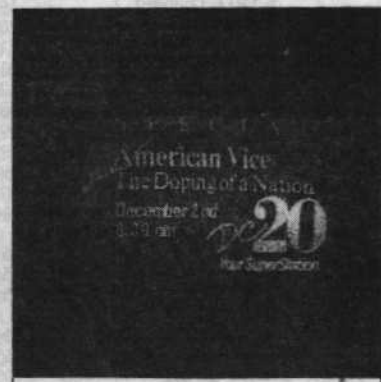
**KTVP-29**  
Fayetteville/Springdale/Rogers  
Arkansas  
463 mile tropo  
seen June 18, 1986  
"ran 15 min before s/on"



**KPRC-2**  
Houston, TX  
890 mile MS  
seen November 18, 1986  
"most common MS station"



**ICR-3**  
Santa Clara, Cuba  
1350 mile E-skip  
seen 1635 CST, Oct 8, 1986  
"most unusual T. P."  
"ICRT upper left corner"



**WDCA-20**  
Washington, DC  
669 mile tropo  
seen November 25, 1986  
"note abbreviated ID"

That's it for this time.  
More from Bill Eckberg in the next VLD.

DAVE

# WESTERN TV-DX

May 1987

Fred McCormack  
Box 5221  
State University Sta.  
Fargo, ND 58105

Deadline: 6- 4-87

Highlights this month are early season E skip loggings during March as reported by Pat Dyer, and some nice tropo reported by Jeff Kadet (out to 980 miles) and by Mike Parks.

A reminder to all reporters - this is the last issue in which DX loggings older than 90 days will be published. That means that loggings older than 60 days at column deadline will not be used.

New \_\_\_\_\_ New Mode \_\_\_\_\_ Tent. - t Unidentified - unid S/On - + S/Off - =  
ID Color Bars - @ \_\_\_\_\_ Unid Color Bars - % IHTP - ♀ Misc. Test Patterns - &  
Sp - Spanish language

BN Baja California Norte JA Jalisco SO Sonora  
BS Baja California Sur NL Nuevo Leon ES EL Salvador  
GR Guerrero PU Puebla GU Guatemala

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228-2744 (WA5IYX) CST

Equipment: 1980 model Penncrest 9" black and white, Archer V-100 and eight bay bow tie UHF array at 20 feet with rotor, Emerson 872 VCR.

| August 1986 |                        | 3 Es 1800 unids chs 2,3 ne  | 6 Es 1647 unid ch 2 brief   |
|-------------|------------------------|-----------------------------|-----------------------------|
| 1 tr 0005   | WGN0t 26 LA            | 1810 WCBdt 2 SC             | 1816 unids chs 2, 3         |
| 0029        | WAFB 9 LA 450          | 1821 WSJkt 2 TN             | 1821 KVVUt 5 NV             |
| Es 1345     | unids chs 2-5 w        | 1830 XEWO 2 JA 690          | 1825 KVBC 3 NV 1050         |
|             | XHAQt 5 BN             | 1951 XHAQt 5 BN             | 1829 KNAZ 2 AZ 855          |
| 1350        | XHPNt 2 BS 945         | XHBCt 3 BN                  | 1830 KTVK 3 AZ 835          |
|             | ( Call Change? )       | 1952 XETVt 6 BN             | XHAQt 5 BN                  |
| 1410        | XETVt 6 BN             | 2006 KVVUt 5 NV             | (MUF 104.1-1842)            |
| 1430        | KCBS 2 CA 1190         | (144 MHz to CA @ 2128)      | 1920 XHBCt 3 BN             |
| 1501 @XHBC  | 3 BN 1010              | 2159 KCBS 2 CA 1190         | 2000 apx fade/outs          |
|             | (Exquisite GBTP)       | 2217 soon fade/outs         | tr 2314 KALBt 5 LA          |
|             | KTLAt 5 CA             | 4 Es 0800-0835 unids chs2,3 | 7 Es 0915-1020 unids chs2,3 |
| 1630        | apx fade/outs          | 0917-1000 unids chs2,3      | 1027 KTCA 2 MN 1110         |
| 2 tr 0030   | KLFY 10 LA 395         | 0928 KTVot 3 MO             | 1120 KBMET 3 ND             |
| 0202        | WVUE 8 LA 510          | 0929 WTWO 2 IN 935          | 1159 KTVQ 2 MT 1245         |
|             | WGN0t 26 LA            | 1050-1101 unids chs2,3      | 1232 KTWQ 2 WY 1015         |
| 0203        | KADN 15 LA 395         | 1100 WFMyt 2 NC             | 1245 KWGN 2 CO 810          |
| 0209        | WNOL 38 LA 510         | WESHT 2 FL                  | 1300 apx fade/outs          |
| 0314        | WPMIt 15 AL            | 1515 unids chs 2-5          | 1428 unid ch 2 brief        |
| 0343        | WAFB 9 LA 450          | 1529 WJBF 6 GA 1010         | 8 Es 0905-1000 unids chs2,3 |
| 0808        | KLTLt 18 LA            | 1551 WBTv 2 NC 1105         | (Spanish s & sw)            |
|             | KLPBt 24 LA            | (MUF 107.9-1559)            | 1045-1130 unids chs2,3      |
|             | WLPBt 27 LA            | (144 MHz - n FL @1607)      | 1129 KGAN 2 IA 945          |
|             | KVHPt 29 LA            | 1656 WCIX 6 FL 1150         | 1259 KIDK 3 ID 1215         |
|             | WLAEt 32 LA            | 1950 XHBC 3 BN 1010         | 1359 KGFt 2 ND 1240         |
|             | WRBt 33 LA             | 1952 KCBS 2 CA 1190         | 1429 KTVQ 2 MT 1245         |
|             | KMSSt 33 LA            | 1959 KVBC 3 NV 1050         | 1544-1800 unids chs2,3      |
|             | KALBt 5 LA             | KNAZ 2 AZ 855               | (Spanish)                   |
| 3 Es 0835   | unids channel 2        | (MUF 98.5-2002)             | 1544 X--- 2 BS ?            |
| 0903        | KTVKt 3 AZ             | 2100 KVOAt 4 AZ             | (BCS...del Cabo)            |
|             | KPHOt 5 AZ             | XHAQt 5 BN                  | 1845 unid channel 2         |
|             | KCBSt 2 CA             | 2110 KPHOt 5 AZ             | 1859 KMTV 3 NE 830          |
|             | 0917 KVOAt 4 AZ        | apx fade/outs               | KUSD 2 SD 920               |
|             | 1006 KVVUt 5 NV        | 5 Es 1035-1230 unids chs2,3 | 1929 KOTA 3 SD 1040         |
|             | KVBCt 3 NV             | 1035 WFMyt 2 NC             | 1943 KKMA 2 ND 1225         |
|             | 1045 apx fade/outs     | 1229 WBBM 2 IL 1045         | 1945 KPRyt 4 SD             |
|             | 1317-1340 unids chs2-4 | 1230-1516 unids chs2,3      | 2020 apx fade/outs          |
|             | ( Spanish - se )       | 1427 KTCA 2 MN 1110         | 2110-2125 chs 2, 3 ne       |
|             | 1356 unid ch2 n or nw  | 1639 unids channel 2        | 2128 WSJK 2 TN 1010         |
|             | 1400-1530 unids chs2,3 | 1712 WBAy 2 WI 1190         | 2131 KIDK 3 ID 1215         |
|             | 1525 WESHT 2 FL        | (MUF 108+ -1857)            | 2145 apx fade/outs          |
|             | 1530 WPBT 2 FL 1150    | 2100 apx fade/outs          | 10 Es 1005 unids chs 2, 3   |
|             | 1537 WSAvt 3 GA        | 6 Es 1050 unid ch 2 brief   | ( ne?? - brief )            |
|             | 1548 WFMyt 2 NC        | 1145 unids ch 2 brief       | 1555-1607 unids chs2,3      |

Western TV DX

May 1987

| Pat Dyer (continued) |                  | 18 tr 0355 ( See Note # 1 ) | 28 Es 1055 WEDUt 3 FL        |
|----------------------|------------------|-----------------------------|------------------------------|
| 10 Es 1655           | XHBCt 3 BN       | 0414 KJAC 4 TX 280          | 1059 WESH 2 FL 1055          |
| 1658                 | KCBS 2 CA 1190   | 0429 KLMG 51 TX 310         | 1100 WPBT 2 FL 1150          |
| 1703                 | XHAQt 5 BN       | 0429 KVHP 29 LA 325         | 1125 WCIX 6 FL 1150          |
| 1740                 | apx fade/outs    | 0430 unid ch 30 SIN         | 1229 WCTV 6 FL 855           |
| 1820                 | unids chs 2, 3   | 0439 unid channel 41        | (MUF 108+ -1234)             |
| 1828                 | KGAN 2 IA 945    | (KVHP-29 xltr??)            | 1350 WRALt 5 NC              |
| 1828-1932            | unids chs2,3     | 0444 KFDM 6 TX 275          | 1357 WBTv 3 NC 1105          |
|                      | (Spanish)        | 0643 KADNt 15 LA            | WFMY 2 NC 1175               |
| 2051                 | KCBSt 2 CA       | KLJL 18 LA                  | 1549 WTVN 6 OH 1130          |
|                      | KNBct 4 CA       | KLPBt 24 LA                 | 1600 WKYC 3 OH 1250          |
|                      | (MUF 106.5-2109) | WRBt 33 LA                  | 1816 WFMY 2 NC 1175          |
| 2113                 | XHAQt 5 BN       | Es 1020 unids ch 2 brief    | 1929 unid ch3 Spanish        |
| 2123                 | XHBCt 3 BN       | (Tr masking MUF)            | 2115 unid ch2 Spanish        |
| 2135                 | XETVt 6 BN       | 1515 unids chs 2,3 nw       | soon fade/out                |
| 2206                 | apx fade/outs    | 1522 KCBS 2 CA 1190         | 29 Es 1015-1025 unids chs2-6 |
| 11 Es 0830           | unids channel 2  | 1559 apx fade/outs          | (Spanish)                    |
|                      | (Much ms mixing) | 1732 unids ch 2 brief       | 1032 XHAP 2 GR 880           |
| 0855                 | WDTN 2 OH 1075   | 1827-1928 unids chs2-4      | (MUF 89.3-1036)              |
| 0859                 | KGAN 2 IA 945    | (Spanish - west)            | 1131 +YSR 2 ES 1200          |
| 0919                 | WCCOt 4 MN       | 1937 XHAQt 5 BN             | 1136 YSU t 4 ES              |
| 0929                 | KTCA 2 MN 1110   | 1950 XHBC 3 BN 1010         | 1135 unids chs 2-4           |
| 0931                 | KDLO 3 SD 1070   | (MUF 92.3-2000)             | 1335 WTVt 4 IN               |
| 0958                 | KPRyt 4 SD       | 2004 KTVK 3 AZ 835          | 1339 WSIL 3 IL 810           |
| 0959                 | KGFE 2 ND 1240   | 2015 KCBS 2 CA              | 1359 WBBM 2 IL 1045          |
|                      | KBME 3 ND 1200   | 2059 apx fade/outs          | 1458 WTVJt 4 FL              |
| 1004                 | KFYRt 5 ND       | 20 Es 1613-1630 unid ch 2   | 1500 WPBT 2 FL 1150          |
|                      | (MUF 88.9-1007)  | (E or northeast)            | (MUF 89.3-1501)              |
| 1145                 | apx fade/outs    | 1710-1855 unids chs2-4      | 1511 WBTv 3 NC 1105          |
| 1347-1355            | unid ch 2 w      | 1721 KGAN 2 IA 945          | 1528 WESH 2 FL 1055          |
| 12 Es 0840           | unid ch 2 brief  | 1745 WFMY 2 NC 1175         | 1632 WEDU 3 FL 985           |
| ms 1000+             | rates higher     | (MUF 89.3-1858)             | 1632 WCBdt 2 SC              |
|                      | than 0800-0900   | 2117 apx fade/outs          | 1658 WSAV 3 GA 1050          |
| 16 Es 0835           | unids chs 2, 3   | 21 Es 0715 WESHT 2 FL       | 1659 WUNCT 4 NC              |
| 0929                 | WLNS 6 MI 1200   | (MUF 107.9 and              | WUNd 2 NC 1360               |
| Es?1012              | unid channel 7   | VOR's at 0836 )             | (Audio)                      |
| Es                   | (MUF 109+ -1017) | 1300+ fade/outs             | WKRN 2 TN 820                |
| 1257                 | KNOP 2 NE 815    | 1850 unids chs 2-4          | (Video)                      |
| 1355                 | apx fade/outs    | 1900 KGAN 2 IA 945          | (MUF 108+ -1755)             |
| 2107                 | unids channel 2  | 1908 KMTV 3 NE 830          | 2100 WRCBt 3 TN 865          |
| 2112                 | WVAy 3 NC 1250   | (MUF 98.5-1945)             | 2105 WSJK 2 IN 1010          |
|                      | WFMY 2 NC 1175   | 2208 apx fade/outs          | unid ch 3 NC                 |
| 2144                 | apx fade/outs    | 22 Es 0715 unids channel 2  | 2123 WKRN 2 TN 820           |
|                      | (Tr masking MUF) | 0746 WKRN 2 TN 820          | 2125 apx fade/outs           |
| tr 2253              | KPLC 7 LA 325    | (MUF 109+ -0830)            | 30 Es 0010 unids chs 2, 3    |
| Es 2259              | unid ch 2 brief  | 0959 KAAL 6 MN 1035         | 0030 unid channel 3          |
| 17 tr 0016           | KLFY 10 LA 395   | (MUF 89.1-1209)             | 0710-0730 unids chs2-4       |
| 0051                 | KALB 5 LA 385    | 1433 WCIVt 4 SC             | (Tr masking MUF)             |
| Es 1017              | unids chs 2, 3   | 1446 WCBd 2 SC 1120         | (MUF 105.9-0901)             |
| 1029                 | WCBd 2 SC 1120   | WVAy 3 NC 1250              | 1200 apx fade/outs           |
| 1032                 | WBTvt 3 NC       | 1518 WSB 2 GA 880           | 1252 unids chs 2-4           |
| 1044                 | apx fade/outs    | (MUF 107.9-1530)            | WDATv 4 MO                   |
| 1140                 | unid ch 2 brief  | (MUF 88.9-1802)             | 1256 KTVQ 3 MO 835           |
| 1240-1335            | unids ch 2       | 2000 apx fade/outs          | f/outs by 1500               |
| (Spanish - west)     |                  | 23 Es 1000-1005 unids ch 2  | 1700 unids 2, 3 brief        |
| 1240                 | KCBSt 2 CA       | (Spotty)                    | 1817-1823 unids ch2 nw       |
| 1658-1720            | unids ch 2       | 1510-1815 unids chs2,3      | 1920-1937 unid ch 2          |
| (Spanish -south)     |                  | (Spanish)                   | (Spotty)                     |
| 1817                 | unids ch 2 brief | 1544 XHPET 2 ?? ????        | 2120-2125 unids chs2-4       |
| (Spanish)            |                  | (Condido Axica?)            | 2132-2200 unid ch 2          |
| 2050-2100            | unid ch 2 Sp     | KCBSt 2 CA                  | (Spanish - west)             |
| 18 tr 0154           | WAFB 9 LA 450    | XHAQt 5 BN                  | 2328 KNAZt 2 AZ              |
|                      | KLFY 10 LA 395   | (MUF 94.1-2007)             | 2347 apx fade/outs           |
| 0330                 | KATC 3 LA 395    | 2051 apx fade/outs          | (1900-2040+ loc lgtng)       |
| 0337                 | WGN0t 26 LA      | 25 tr 0436 KFDM 6 TX 275    | 31 Es 2040-2200 unids chs2,3 |
| 0345                 | KALBt 5 LA       | 26 Es 1025-1045 unid ch 2   | 2050 KGFt 2 ND               |
|                      |                  | 28 Es 1055 unids chs 2, 3   | 2134 KKMA 2 ND 1225          |

Note # 1 - 8/18 @ 0355 - Tropo so strong that 88.1 at 200 mi was audible on ch 6!

Pat Dyer (continued) Perhaps one of the most active Augusts of E skip that I've seen in my 25+ years of this. The FM total time was equal to the SUM of the Augusts of 1980-1985! So much that the Perseids were not much monitored. The 144 MHz E skip events were very brief and isolated. Tropo was pretty much normal (and still confused things by masking the E skip MUF a lot!). August 19 had a record all-time high here of 108 degrees.

| September 1986                                  |  |
|---|--|
| 1 Es 1045-1100 unids chs2,3<br>(Spanish s & sw) | 12 Es 1910-2020 unids chs2,3<br>( Spanish - se ) |
| 4 Es 1920 unids channel 2<br>(South - brief )   | 13 Es 1608-1800 unids ch2 Sp<br>1800 TGV t 3 GU  |
| 5 Es 1727-1743 WCBdt 2 SC<br>(Loc lightning )   | 1828 YSR 2 ES 1200<br>1940 apx fade/outs         |
| 6 Es 1135-1235 unids ch 2<br>(Spanish -w & s)   | 2100-2130 unids ch2 Sp                           |
| 1715 unids chs 2,3                              | 14 Es 1727 unids chs 2-6                         |
| 1727 WCIVt 4 SC                                 | WPBT 2 FL 1150                                   |
| 1729 WCBd 2 SC 1120                             | WTVJt 4 FL                                       |
| 1805 WCSct 5 SC                                 | WCIxt 6 FL                                       |
| WESHt 2 FL                                      | 1806-1820 144 MHz - FL                           |
| 1810 WPBt 2 FL                                  | 1928 WCBdt 2 SC                                  |
| WEDUt 3 FL                                      | 1955 WBTV 3 NC 1105                              |
| WTVJt 4 FL                                      | WCIVt 4 SC                                       |
| WCIxt 6 FL                                      | 2012 WFMyt 2 NC                                  |
| (MUF 92.3-1821)                                 | 2116 WESHt 2 FL                                  |
| 1900 WUND 2 NC 1360                             | 2140 apx fade/outs                               |
| 1919 WRCBt 3 TN                                 | 16 Es 0635-0646 unids 2, 3 e                     |
| 1931 WJXTt 4 FL                                 | 0649 WESH 2 FL 1055                              |
| 1934 WWAYt 3 NC                                 | 0700 spotty to...                                |
| 1952 WBTV 3 NC 1105                             | 0727 fade/outs                                   |
| 1956 WFMyt 2 NC                                 | 1810-1820 unids 2, 3 e                           |
| 2100 apx fade/outs                              | (Loc lightning )                                 |
| 7 Es 0920 unids ch 2 brief                      | 17 Es 1636-1936+ unid ch 2                       |
| 1150 unids ch 2 brief                           | (Spanish -south)                                 |
| ms 2116:37 KGAN 2 IA 945                        | (Loc lightning )                                 |
| 8 ms (morning rates large )                     | 21 Es 1540-1555+ unids ch 2                      |
|   | (Spanish s & se)                                 |

Hardly a normal September with all the E skip. Considering the abnormal August, it wasn't too unexpected.

The 144 MHz E skip conveniently occurred during the ARRL September VHF Contest. Some at first actually mistook it for tropo which was already somewhat above normal along the immediate gulf coast areas.

The only thing "normal" about the September E skip was, like most years, the paths to Mexico and Central America as well as across the southern-tier states predominated here.

| October 1986                                  |                        |
|---|------------------------|
| 5 Es 1532-1540 unids ch 2<br>(Spanish -south) | 8 Es 1239 WCBdt 2 SC   |
| 1710 unid ch 2 brief                          | 1258 WBTV 3 NC 1105    |
| 6 Es 1715 unids chs 2-4                       | 1259 WFMyt 2 NC 1175   |
| TGV t 3 GU                                    | 1403 WMAR 2 MD 1410    |
| YSU t 4 ES                                    | 1414 WDIVt 5 WV        |
| 1720 YSR 2 ES 1200                            | (MUF 88.9-1417)        |
| (MUF 88.8 MHz )                               | 1425 KDKA 2 PA 1280    |
| 1840 apx fade/outs                            | 1428 WSAZ 3 WV 1100    |
| 8 Es 0915 unids channel 2                     | WTAEt 4 PA             |
| (Much ms mixing)                              | 1459 WSJkt 2 TN        |
| 0933 Cuba t chs 2, 3                          | 1504 WDIInT 2 OH       |
| 0935 Cuba t 6                                 | 1523 WTAR 3 VA 1375    |
| 1000 WPBT 2 FL 1150                           | 1557 apx fade/outs     |
| 1003 WTVJt 4 FL                               | 1638 WESHt 2 FL        |
| 1014 WCIX 6 FL 1150                           | 1651 WTAEt 4 PA        |
| 1028 WEDU 3 FL 985                            | (MUF 89.7-1653)        |
| 1051 WCPXt 6 FL                               | 1654 WBTV 3 NC 1105    |
| 1059 WESH 2 FL 1055                           | 1657 KDKA 2 PA 1280    |
| 1106 WJXTt 4 FL                               | 1704 WFMyt 2 NC 1175   |
| 1109 WUFTt 5 FL                               | 1729 WPSX 3 PA 1375    |
| (MUF 96.5-1150)                               | WWAY 3 NC 1250         |
| 1239 WWAYt 3 NC                               | (MUF 104.1-1853)       |
|   | 2045-2115 unids 2,3 Sp |

| Pat Dyer (continued)                     |                            |
|--|----------------------------|
| 13 Es 2030 apx fade/outs                 | 14 Es 1530 KIDK 3 ID 1215  |
| 14 Es 0755-0913 unids chs2,3<br>(Spotty) | 1543 KCWct 4 WY            |
| 0828 WPBT 2 FL 1150                      | (MUF 94.9-1550)            |
| 0913-1014 unids 2,3 Sp                   | 1600 KTWO 2 WY 1015        |
| 1024 KEYT 3 CA 1270                      | 1629 KTVQ 2 MT 1245        |
| 1028 KCBS 2 CA 1190                      | f/outs by 1705             |
| 1120-1230 unids ch2 Sp                   | 1732 unids channel 2       |
| 1424 unids chs 2, 3 w                    | 1758 WFMyt 2 NC 1175       |
| 1436 KUTV 2 UT 1080                      | 1800 WBTVt 3 NC            |
| KTVxt 4 UT                               | 1819 WSJkt 2 TN            |
| 1447 KSL t 5 UT                          | 1831 WCBdt 2 SC            |
| (MUF 88.9-1455)                          | (MUF 107.9-1930)           |
|  | 2100 apx fade/outs         |
|  | 15 Es 1010-1015 unids ch 2 |
|  | 1437 apx fade/outs         |

Well, the trend continued with an abnormally high incidence of E skip for the month of October. The FM minutes were close to three times any other October in my 17 years of records there!

While Mexico and Central America constituted a lot of the openings, the more northerly US states showed up as well. One has to wonder when (or if) the "summer" E skip season ended.

A large magnetic storm struck the mid afternoon and early evening of October 13, giving 50 MHz F2 paths to Hawaii from here (and E skip linkage then into Florida). However, nothing of an F2 nature was noted on the TV during the event.

| November 1986             |                            |
|---------------------------|----------------------------|
| 4 Es 1033 unids channel 2 | 6 Es 0917 WSB 2 GA 880     |
| 1036 WCBd 2 SC 1120       | 0928 WWAY 3 NC 1250        |
| 1100 WWAY 3 NC 1250       | 0957 WCBd 2 SC 1120        |
| 1200 WCIVt 4 SC           | (Audio)                    |
| 1302 WFMyt 2 NC           | WSJkt 2 TN                 |
| 1440 apx fade/outs        | (Video)                    |
| 2020 unid ch 2 ne         | 0959 WCIVt 4 SC            |
| 2023 WJBK 2 MI 1225       | 1110 WESH 2 FL 1055        |
| 2033 unids chs 2, 3       | 1145 WTVJt 4 FL            |
| 2054 WBBM 2 IL 1045       | WPBT 2 FL 1150             |
| soon fade/outs            | 1155 WEDUt 3 FL            |
| 5 Es 1255-1315 unids ch 2 | 1216 apx fade/outs         |
| 6 Es 0915 unids chs 2, 3  | 7 Es 0818 unids ch 2 brief |
|                           | 17 tr 0429 KFDM 6 TX 275   |
|                           | 17 tr 1058 KALBt 5 LA      |
|                           | 1059 KADN 15 LA 395        |
|                           | KVHpt 29 LA                |
|                           | KLAXt 31 LA                |
|                           | KITU 34 TX 275             |
|                           | 1104 KLTLt 18 LA           |
|                           | WAPTt 16 MS                |
|                           | 2230 KLTLt 18 LA           |
|                           | WAPTt 16 MS                |
|                           | 18 tr 0915 KLTLt 18 LA     |
|                           | unid channel 46            |
|                           | 25 Es 2000 unid ch 2 brief |
|                           | 30 Es 1855-1905 unids ch 2 |
|                           | (Spanish -south)           |

The E skip finally became more "normal" for the first time in many months. Except for election night (November 4) what there was, again, was mostly to the southern states and Mexico, etc.

My first awareness of the November "super tropo" was reading about it in the VUD a few months later! I couldn't believe that too much of it had penetrated this far south into the state or I'd have noticed the OCl (I do usually keep the antennas aimed to the northeast if nothing else is going on in any other direction).

Thus seeing our channel 12 having been logged in Illinois was a shock! Their antenna is some 25 miles southeast of here and almost 1500 feet above average terrain. Thus the duct appears to have either been elevated at this end or had a very sharp boundary over that distance difference (or both).

| December 1986             |                              |
|---------------------------|------------------------------|
| 2 Es 1605 WSJkt 2 TN      | 6 Es 1913 KIDKt 3 ID         |
| 1637 WFMyt 2 NC 1175      | 1930 apx fade/outs           |
| 1639 WTAR 3 VA 1375       | 7 Es 1430-1600 unids chs2-4  |
| 1640 WRC t 4 DC           | (Spanish -south)             |
| 1647 WBTV 3 NC 1105       | (MUF 98.6-1614)              |
| (MUF 92.5-1658)           | 1640-1930 unids 2-4 Sp       |
| 1712 WWAY 3 NC 1250       | 12 ms 0545:35 KNOP 2 NE 815  |
| 1718 WCIVt 4 SC           | 13 ms 0404:33 WAGA 5 GA 880  |
| 1723 WCBdt 2 SC           | :35 WCYB 5 VA 1065           |
| 1737 apx fade/outs        | 0539:48 KQTV 2 MO 750        |
| 5 Es 1709 unids channel 2 | 0540:50 WOI 5 IA 880         |
| 1712-15 WFWO 2 IN 935     | 0548 local ch 4 s/on         |
| 1804 unids ch 2 brief     | 0625 local ch 5 s/on         |
| 6 Es 1812 unids chs 2, 3  | Es 2018 unids ch 2 brief     |
| (Northwest & w )          | 14 ms 0516:30 WMAQ 5 IL 1045 |
| 1817 KTWO 2 WY 1015       | 0555:40 WOI 5 IA 880         |
| 1904 KUTVt 2 UT           | 0615 local ch 4 s/on         |
|                           | 15 Es 1609 unids channel 2   |
|                           | 15 Es 1611 WMAR 2 MD 1410    |
|                           | 1627 KGAN 2 IA 945           |
|                           | 1642-1728 unids chs2,3       |
|                           | 1701 WJMN 3 MI 1280          |
|                           | 16 Es 1055 WFMyt 2 NC        |
|                           | WBTVt 3 NC                   |
|                           | 1059 WSJK 2 TN 1010          |
|                           | 1100 WSB 2 GA 880            |
|                           | 1125 WRCBt 3 TN              |
|                           | 1256 apx fade/outs           |
|                           | 1646 unids channel 2         |
|                           | 1704 WESH 2 FL 1055          |
|                           | 1735 WEDUt 3 FL              |
|                           | 1758 WPBT 2 FL 1055          |
|                           | 1814 apx fade/outs           |
|                           | 18 Es 1610-1620 WSJkt 2 TN   |
|                           | 1750 WCBdt 2 SC brief        |
|                           | 1930-1943 unids ch 2         |

| Pat Dyer (continued)        |                              |                              | 25 Es 1825 KSNW 3 KS 570 |  |  | 27 Es 1813 KDLO 3 SD 1070 |  |  |
|-----------------------------|------------------------------|------------------------------|--------------------------|--|--|---------------------------|--|--|
| 21 Es 0540 unids channel 2  | 1844 KUSdt 2 SD              | 1832 KUSD 2 SD 920           |                          |  |  |                           |  |  |
| ms 0539:58 WCYB 5 VA 1065   | 1920 KQIV 2 MO 750           | soon fade/outs               |                          |  |  |                           |  |  |
| Es 0544 WFMV 2 NC 1175      | 1943 KCBS 2 CA 1190          | 28 Es 1755 unids ch 2 Sp     |                          |  |  |                           |  |  |
| 0546 WBTvt 3 NC             | 1944 KIVK 3 AZ 835           | 1810 YSR t 2 ES              |                          |  |  |                           |  |  |
| 0604 local ch 4 s/on        | 1951 KPHOT 3 AZ              | TGV t 3 GU                   |                          |  |  |                           |  |  |
| ms 0605:03 KATC 3 LA 395    | 1954 KVOAt 4 AZ              | YSU t 4 ES                   |                          |  |  |                           |  |  |
| 0636 local ch 5 s/on        | 1957 KNAZ 2 AZ 855           | YSLAt 6 ES                   |                          |  |  |                           |  |  |
| Es 0637 apx fade/outs       | 2035 apx fade/outs           | 1825 soon fade/outs          |                          |  |  |                           |  |  |
| 1440 WESHt 2 FL brief       | 26 Es 1605-1700 unids chs2,3 | 29 Es 1650 unids channel 2   |                          |  |  |                           |  |  |
| 1816-1906 WESHt 2 FL        | ( Spanish - sw )             | 1733 TGV t 3 GU              |                          |  |  |                           |  |  |
| 25 Es 1217t/in unids 2, 3 n | 1700 XHP 2 ES 1200           | 1812 YSR 2 ES 1200           |                          |  |  |                           |  |  |
| 1221 KDLOt 3 SD             | 1801 fade/outs               | 1900 apx fade/outs           |                          |  |  |                           |  |  |
| 1229 KUSD 2 SD 920          | 1843 XHAQt 5 BN              | 31 Es 1150t/in unids chs 2-4 |                          |  |  |                           |  |  |
| 1251 KNOpt 2 NE             | (MUF 92.5-1846)              | WCIVt 4 SC                   |                          |  |  |                           |  |  |
| 1329 apx fade/outs          | 1857 XHBC 3 BN 1010          | 1157 WRcBt 3 TN              |                          |  |  |                           |  |  |
| 1511-1519 unids ch 2        | 1917 KCBS 2 CA 1190          | 1159 WCBd 2 SC 1120          |                          |  |  |                           |  |  |
| 1630 unids channel 2        | 1919 KNBCt 4 CA              | 1229 WDIQ 2 AL 730           |                          |  |  |                           |  |  |
| 1717 WITVt 4 IN             | 1946-2130? 2-4 Spanish       | 1237 apx fade/outs           |                          |  |  |                           |  |  |
| WCIAt 3 IL                  | 27 Es 1706 unids chs 2, 3    | 1755 unids chs 2, 3          |                          |  |  |                           |  |  |
| 1724 WIWO 2 IN 935          | 1714 KVBC 3 NV 1050          | (Spanish-s & se)             |                          |  |  |                           |  |  |
| (MUF 94.7-1737)             | KVVUt 5 NV                   | 1804 XHAP 2 GR 880           |                          |  |  |                           |  |  |
| 1746 WRIV 6 IN 995          | (MUF 94.1-1716)              | 1840 lull                    |                          |  |  |                           |  |  |
| 1749 KIVIt 2 MO             | 1722-1745 lull               | 1904 unids chs 2, 3 w        |                          |  |  |                           |  |  |
| WSILt 3 IL                  | 1745 KNOpt 2 NE              | KCBS 2 CA 1190               |                          |  |  |                           |  |  |
| 1754 KYTVt 3 MO             | 1748 KQIVt 2 MO              | 1906 XHAQt 5 BN              |                          |  |  |                           |  |  |
| 1816 KSNC 2 KS 615          | 1759 KGAN 2 IA 945           | 1911 XHBCt 3 BN              |                          |  |  |                           |  |  |
| 1817 KLNET 3 NE             | 1802 KIVot 3 MO              | 1925 apx fade/outs           |                          |  |  |                           |  |  |

A rather healthy December E skip season considering the November "sag" versus October, etc.

The Geminids (and Ursids) were productive, with three new channel 5's caught that way (though two were also prior E skip loggings) - as well as channel 3 from Lafayette, Louisiana at a close 395 miles!

Having the shower peaks coincide with the only two mornings (Saturday and Sunday) that our local channel 5 goes off helped a whole lot!

The early evening December 25 E skip had 50 MHz skip down to about 349 miles from Paris, Texas.

Now for the really B-A-D news here. In the midst of composing this December report, the March 12 newspaper arrived with an article about the fourteen applicants for a 100 kW channel 2 for Fredericksburg, Texas. It appears that they will be trying to "rim shot" the Austin-San Antonio market, so it's likely that their target choice for a transmitter location may be as close as 30 miles from here - almost due north!

The inevitable presence now of a local channel 2 is not going to help those of us in the area who also operate on 50 MHz (in my case, since December of 1963).

While some sort of a VCR was contemplated down the line to catch the wonderous dynamics of the E skip events, this development provided an instant impetus - in order that the most could be captured before it would be forever denied us here.

An Emerson model 872 was obtained. Only the test of time will show if its varactor tuner will be up to it alone, or if I'll have to run direct audio/video taps from the black and white TV set (and thus be able to change channels while its recording).

| January 1987                |                              |                             | 6 tr 0240 WNOLt 38 LA |  |  | 21 ms(High rates during day) |  |  |
|-----------------------------|------------------------------|-----------------------------|-----------------------|--|--|------------------------------|--|--|
| 2 Es 1200t/in unids ch 2 ne | Es 1725 WESHt 2 FL           | 28 Es 2030 unids chs 2, 3   |                       |  |  |                              |  |  |
| 1207 unid channel 3         | 1732 WUFTt 5 FL              | 2034 KNAZ 2 AZ 855          |                       |  |  |                              |  |  |
| 1300 apx fade/outs          | 1743 WEDUt 3 FL              | 2035 XHAQt 5 BN             |                       |  |  |                              |  |  |
| 3 ms 1200 ch 2 -rates high  | 1835 apx fade/outs           | 2105 KTVKt 3 AZ             |                       |  |  |                              |  |  |
| w/ much overlap             | 19 Es 1608 unids chs 2, 3    | XHBCt 3 BN                  |                       |  |  |                              |  |  |
| Es 2241-0000 unids 2,3 ne   | 1609 WDTN 2 OH 1075          | 2116 KCBS 2 CA 1190         |                       |  |  |                              |  |  |
| 4 Es 0000-0025 unids 2,3 ne | 1610 unid channel 4          | KNBCt 4 CA                  |                       |  |  |                              |  |  |
| 6 tr 0150 WGNt 26 LA        | 1624 apx fade/outs           | 2150 apx fade/outs          |                       |  |  |                              |  |  |
| 0153 KADnt 15 LA            | 20 Es 2055-2100 unids chs2,3 | 29 Es 1925-2055 2, 3 n & ne |                       |  |  |                              |  |  |
| 0224 KVHP 29 LA 325         | (North or ne)                | 2032 WKZot 3 MI             |                       |  |  |                              |  |  |

Not an overwhelming amount of E skip this month, but things were picking up by the end of it. No high temperature days like in 1986, so no tropo ducting beyond Louisiana.

| February 1987              |                      |                     | 3 Es 0815-0820 unids ch 2 |  |  | 3 Es 1820 KCBS 2 CA 1190 |  |  |
|----------------------------|----------------------|---------------------|---------------------------|--|--|--------------------------|--|--|
| 2 Es 2012-2030 unid ch 2 s | 1810 unids channel 2 | 1847 KEYt 3 CA      |                           |  |  |                          |  |  |
| 2100 unid ch 2 brief       | 1815 KNAZt 2 AZ      | 1852 unid ch 2 Sp w |                           |  |  |                          |  |  |

|                              |                              |                              |  |  |  |  |  |  |
|------------------------------|------------------------------|------------------------------|--|--|--|--|--|--|
| 3 Es 1943 XHBCt 3 BN         | 1851 YSU t 4 ES              | 17 Es 1744 KVBC 3 NV 1050    |  |  |  |  |  |  |
| 1957 XHAQt 5 BN              | 1852 YSLAt 6 ES              | 1745 YSR 2 ES 1200           |  |  |  |  |  |  |
| 2022 KNBCt 4 CA              | (MUF 89.3-1908)              | 1752 YSU t 4 ES              |  |  |  |  |  |  |
| 2130 apx fade/outs           | 1956 apx fade/outs           | 1827 YSLAt 6 ES              |  |  |  |  |  |  |
| 4 tr 0410 WGNt 26 LA         | 13 tr 0040 KBMTt 12 TX       | (MUF 94.5-1831)              |  |  |  |  |  |  |
| Es 1510-1715 unids ch 2      | Es 2115 KUTVt 2 UT           | 1855-1955 unids 2,3 Sp       |  |  |  |  |  |  |
| ( Spanish - sw )             | 2124 KTVXt 4 UT              | spotty to 2055               |  |  |  |  |  |  |
| 5 Es 2220 unids ch 2 west    | 2135 apx fade/outs           | 2110 apx fade/outs           |  |  |  |  |  |  |
| 2228 KCBS 2 CA 1190          | 14 Es 1738 unids chs 2, 3    | 20 Es 1955-2110 unids chs2-4 |  |  |  |  |  |  |
| 2245 KEYt 3 CA               | 1745 WESHt 2 FL              | (Spanish-se,s,sw)            |  |  |  |  |  |  |
| 2257 soon fade/outs          | 1753 WBTvt 3 NC              | 1848-1900 unids ch 2         |  |  |  |  |  |  |
| 7 Es 1845-1930 unids 2-4 Sp  | 1757 WFMVt 2 NC              | 1900-1945 unids chs2-4       |  |  |  |  |  |  |
| 9 Es 1725-1800 unids chs2,3  | 1758 WEDU 3 FL 985           | 1934 KNOpt 2 NE              |  |  |  |  |  |  |
| 1800 WESHt 2 FL              | 1759 WCBd 2 SC 1120          | 1947 KPRVt 4 SD              |  |  |  |  |  |  |
| 1828 WPBT 2 FL 1150          | 1855 KLVI 6 ID 1380          | 1959 KOIA 3 SD 1050          |  |  |  |  |  |  |
| 1841 WEDUt 3 FL              | (MUF 107.9-1856)             | 2007 KTWot 2 WY              |  |  |  |  |  |  |
| 1843 KUTV 2 UT 1080          | 1929 KUTV 2 UT 1080          | 2023 KGNW 2 GO 810           |  |  |  |  |  |  |
| KTVXt 4 UT                   | 2017 apx fade/outs           | 2028 KVBC 3 NV 1050          |  |  |  |  |  |  |
| 1929 KNAZ 2 AZ 855           | 15 Es 1606-1605 unids ch 2 w | 2048 XHAQt 5 BN              |  |  |  |  |  |  |
| KVVUt 5 NV                   | 1720 unid channel 2          | XHBCt 3 BN                   |  |  |  |  |  |  |
| 1954 XHAQt 5 BN              | 1803-1855 unids 2-5 ne       | 2059 KVOAt 4 AZ              |  |  |  |  |  |  |
| (MUF 98.7-2012)              | 1811 WFMVt 2 NC              | KTVK 3 AZ 835                |  |  |  |  |  |  |
| 2028 KVBC 3 NV 1050          | 1824 WBTvt 3 NC              | 2100 KEIVt 6 BN              |  |  |  |  |  |  |
| 2030 KCBS 2 CA               | 1832 WRcBt 3 TN              | 2102 KNMZ 2 NM 600           |  |  |  |  |  |  |
| KNBCt 4 CA                   | 1840 WCBdt 2 SC              | KNAZt 2 AZ                   |  |  |  |  |  |  |
| 2057 XHBCt 3 BN              | 1842 WCIvt 4 SC              | 2107 unid channel 5          |  |  |  |  |  |  |
| 2145 apx fade/outs           | 1844 WWAYt 3 NC              | 2149 apx fade/outs           |  |  |  |  |  |  |
| 10 Es 1650-1715 unids 2, 3 w | 1858 KDLO 3 SD 1070          | 22 Es 1020 unid 2 w brief    |  |  |  |  |  |  |
| 1715 XHPDt 2 SO 895          | (MUF 89.3-1900)              | 1815 WCBdt 2 SC              |  |  |  |  |  |  |
| 1730 KVVUt 5 NV              | 1916 KQIVt 2 MO              | 1821 WCIvt 4 SC              |  |  |  |  |  |  |
| 1732 KVBC 3 NV 1050          | 1945 KTVot 3 MO              | 1835 WBIVt 3 NC              |  |  |  |  |  |  |
| 1742 XHBCt 3 BN              | 1950 KCBS 2 CA               | 1840 WWAYt 3 NC              |  |  |  |  |  |  |
| 1751 KCBS 2 CA 1190          | 1951 KNBCt 4 CA              | (MUF 107.9-1907)             |  |  |  |  |  |  |
| 1808 KNBCt 4 CA              | 2009 KNAZt 2 AZ              | 1959 WRcB 3 TN 865           |  |  |  |  |  |  |
| KTLAt 5 CA                   | 2048 apx fade/outs           | 2000 WSJK 2 TN 1010          |  |  |  |  |  |  |
| 1818 XHAQt 5 BN              | (MUF 101.5-1819)             | 2014 KCBS 2 CA 1190          |  |  |  |  |  |  |
| 1858-1937 unids 2, 3 w       | 16 Es 1922 unid 2 w brief    | 2017 KEYt 3 CA               |  |  |  |  |  |  |
| 1937 KEYt 3 CA               | 17 Es 1629 XHBC 3 BN 1010    | KNBCt 4 CA                   |  |  |  |  |  |  |
| 11 Es 1920-2015 unids 2,3 se | XHAQt 5 BN                   | (MUF 106.5-2054)             |  |  |  |  |  |  |
| 12 Es 1817 unids 2, 3 Sp sw  | 1640 XETVt 5 BN              | 2131 unids chs 2, 3          |  |  |  |  |  |  |
| 1825 YSR 2 ES 1200           | (MUF 94.1-1645)              | 2144 apx fade/outs           |  |  |  |  |  |  |

If one considers November-February as the "winter E skip season", then this month would have to have been its peak (with some six hours worth of it in the FM band).

A few days produced simultaneous openings to both the east and west coasts. Again, a large share of it went down into Mexico and Central America.

In some respects, this month was a lot like the high levels of six months ago - August. Though there were several warm days in February, nothing outstanding in tropo came out of it here.

## March 1987

|                            |                          |                              |  |  |  |  |  |  |
|----------------------------|--------------------------|------------------------------|--|--|--|--|--|--|
| 2 ms 1300 (Rates up)       | 8 Es 2119 XHBCt 3 BN     | 22 Es 0925 unids chs 2, 3    |  |  |  |  |  |  |
| Es 2010 unids ch 2 south   | KTVKt 3 AZ               | (Spanish-s & se)             |  |  |  |  |  |  |
| 2021-2040 chs 2, 3 nw?     | XHAQt 5 BN               | 0943 Cuba t 3                |  |  |  |  |  |  |
| 6 Es 1752 unids channel 2  | 2121 KCBS 3 CA           | (MUF 89.3-1006)              |  |  |  |  |  |  |
| 1754 WIVJt 4 FL            | 2150 apx fade/outs       | 1023 YSU t 4 ES              |  |  |  |  |  |  |
| 1759 WPBT 2 FL 1150        | 20 tr 0444 KFDM 6 TX 275 | 1112 YSR 2 ES 1200           |  |  |  |  |  |  |
| 1843 WEDUt 3 FL            | 0510 WGNt 26 LA          | 1115-1245 2, 3 Mexico        |  |  |  |  |  |  |
| 1900 Cuba t 3              | KITUT 34 TX              | 1320 WPBT 2 FL 1150          |  |  |  |  |  |  |
| WESH 2 FL 1055             | 0920 KPLCt 7 LA          | 1417 WESHt 2 FL              |  |  |  |  |  |  |
| 1955 spotty to             | 2331 XEPht 2 NL          | soon fade/outs               |  |  |  |  |  |  |
| 2027 apx fade/outs         | XHX t 10 NL              | 1712 WPBT 2 FL brief         |  |  |  |  |  |  |
| 7 Es 1210 KVBCt 3 NV       | XET t 6 NL               | 1817 WESHt 2 FL              |  |  |  |  |  |  |
| 1325 KCBS 2 CA             | 21 tr 0303 KFDM 6 TX 275 | 1820-1915 unids chs2,3       |  |  |  |  |  |  |
| 1334 KTVKt 3 AZ            | Es 1805-1856 unids ch 2  | (Spanish)                    |  |  |  |  |  |  |
| spotty to                  | (Spotty)                 | 1920-1945 unids chs5,6       |  |  |  |  |  |  |
| 1423 fade/outs             | 1836 WESHt 2 FL          | 2018 apx fade/outs           |  |  |  |  |  |  |
| 8 Es 2055 unids chs 2, 3 s | 1838 WPBT 2 FL           | 27 ms 0900(Morning rates up) |  |  |  |  |  |  |
|                            | 22 tr 0310 KFDM 6 TX     | 28 tr 0634 KTRN 9 TX 265     |  |  |  |  |  |  |



Pat Dyer (continued) Not too bad an Es month, considering that statistically it's almost always been the worst of the year!

At least the March 22 events let me get a bit of El Salvador on tape - though it sure looks like a direct feed video from the 9 inch set will probably need to be improvised for the best results

Hardly any tropo worthy of March this time. In fact, March 31 had a record low of 31 degrees, and it was also the record late date for any freeze here! When it has been getting warm (like into the 70's later that very same day), the humidities have been in the 20% or lower range. 73, Pat, WASIYX

Jeff Kadet, Box 20, Macomb, IL 61455

CST

Equipment: See January 1987 Western TV-DX.

|                 |              |       |       |                  |            |       |       |      |       |     |
|-----------------|--------------|-------|-------|------------------|------------|-------|-------|------|-------|-----|
| January 1987    | 6 tr 0120    | KTVT  | 11 TX | 640              | 5 tr 0431  | WPIT  | 22 PA | 550  |       |     |
| 5 tr 0800       | WBMG         | 42 AL | 575   | ( Over KPLR-11 ) | 13 tr 0844 | WFTS  | 28 FL | 980  |       |     |
| 2200            | OKC 14,34,43 | 510   | 0129  | KRRT             | 35 TX      | 875   | 1000  | WTJP | 60 AL | 525 |
| 2355            | KXTX         | 39 TX | 640   | 15 tr 0130       | WPGH       | 53 PA | 550   |      |       |     |
|                 | KTXA         | 21 TX | 640   | 0131             | =WPIT      | 22 PA | 550   |      |       |     |
| 6 tr 0001       | =KTAJ        | 16 MO | 225   | March 1987       |            |       |       |      |       |     |
| 0002            | =KTXA        | 21 TX | 640   | 20 tr 1816       | WCCU       | 27 IL | 125   |      |       |     |
| (Then ID CB TP) |              |       |       | February 1987    |            |       |       |      |       |     |
|                 |              |       |       | 5 tr 0400        | WPGH       | 53 PA | 550   |      |       |     |

Not much DX so far this year, but there was one opening into deep Texas with KRRT-35 and another opening down into Florida with WFTS-28.

Congrats to Bill Draeb on seeing WIUM-22. Also sorry to see Jim Pizzi is leaving his great New Mexico DX location. Congrats to Jim on all his fine catches.

Also glad to hear that both Ralph Strobel and Nate Ely have new houses they like. Special thanks to Ye Editor for locating the elusive Cerro del Zamorano, Queretaro on a map. I doubt if KTAJ-16 is on full power as they were very weak. Their sign/off was only about a minute after WJTR's. No news yet on the promised video adapter for the Icom R-7000.

According to CHANNELS magazine, the go-go days of new independent UHF stations is now over, and according to FORBES, Home Shopping Club is in trouble due to a 15-20% product return rate by its customers plus they've greatly overextended themselves by buying so many UHF stations. Add to this the trouble that TV preachers are having \$\$\$wise, plus apparent failure (so far) of LPTV, and the UHF stations congestion situation looks pretty good for the foreseeable future. Station total now at 840. 73

Michael Parks, Route 1, Box 103, Amery, WI 54001

CST

Equipment: See February 1987 Western TV-DX.

|                  |           |       |       |                  |           |       |          |                  |       |       |     |
|------------------|-----------|-------|-------|------------------|-----------|-------|----------|------------------|-------|-------|-----|
| January 1987     | 4 tr 2240 | WNIT  | 34 IN | 397              | 5 tr 0306 | WEHSt | 60 IL    |                  |       |       |     |
| 8 tr 0026        | KDEB      | 27 MO | 568   | WSBT             | 22 IN     | 397   | 0502     | @WIFR            | 23 IL | 269   |     |
| 0027             | KSNF      | 16 MO | 586   | WHME             | 46 IN     | 397   | 0511     | WISht            | 8 IL  |       |     |
| 0030             | KSPR      | 33 MO | 568   | WCGV             | 24 WI     | 272   | 0514     | WKARt            | 23 MI |       |     |
| 13 tr 2323       | W57AR     | 57 WI | 139   | 5 tr 0004        | WTVO      | 17 IL | 269      | WUHQ             | 41 MI |       |     |
| (Sayner          | WSAW- 7)  |       |       | WVTV             | 18 WI     | 272   | 0517     | @WCGV            | 24 IL | 272   |     |
| W16AC            | 16 WI     | 156   | 0006  | WFLD             | 32 IL     | 337   | 0518     | @WNIT            | 34 IN | 337   |     |
| (Land O' Lakes   | SelectIV) |       |       | %WCIU            | 26 IL     | 337   | 0519     | @WXMI            | 17 MI | 369   |     |
| 14 tr 0033       | WLUK      | 11 WI | 218   | 0055             | %WFWRT    | 50 IL | 0526     | @WLUK            | 11 WI | 218   |     |
| ( Over KARE-11 ) |           |       |       | (Black square in |           |       | 0540     | &WVTV            | 18 WI | 272   |     |
| 31 tr 0100       | K22AC     | 22 MN | 113   | center of CB)    |           |       | 0543     | @WFIYt           | 20 IN |       |     |
| (Brainerd        | KSTP- 5)  |       |       | 0120             | WHMB      | 40 IN | 490      | (Too wk to read) |       |       |     |
| K26AC            | 26 MN     | 188   | 0121  | WXIN             | 59 IN     | 491   | 0545     | @WCIU            | 26 IL | 337   |     |
| (Benidji         | SelectIV) |       | 0139  | %KDSM            | 17 IA     | 272   | 0548     | WAOW             | 9 WI  | 131   |     |
| 0105             | K20AC     | 20 MN | 155   | WHO              | 13 IA     | 272   | 0602     | WPNE             | 38 WI | 218   |     |
| (Wadena          | KSTP- 5)  |       |       | 0306             | WCFC      | 38 IL | 337      | 0603             | K41AD | 41 IA | 149 |
|                  |           |       |       | WGBO             | 66 IL     | 337   | (Lansing | KYIN-24)         |       |       |     |
| February 1987    |           |       |       | W64AU            | 64 WI     | 157   | K14AF    | 14 IA            | 147   |       |     |
| 4 tr 2240        | WNDU      | 16 IN | 397   | (Adams           | SelectIV) |       | (Decorah | KYIN-24)         |       |       |     |

I hope conditions aren't as dead elsewhere as they are here. It's been two months since February 5 and there's been absolutely no DX. La Crosse UHF's, which are usually watchable, have been "barely there" for the last three to four weeks! Can't wait for the season to start! 73, Mike

# TV DX THIRTY YEARS AGO

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183  
Reader comments appreciated!

**MAY 6, 1957 Vol 4 Number 5** - The top of the nine-page mimeographed AIPA Bulletin had an "AIPA TV DX bullseye test pattern" followed by the slogan "AIPA Leads The Way." Newly re-elected president, Robert Seybold, in his front page editorial said DXers should look for these new stations in upcoming Es season: KTVI-2 MO, KVIT-2 NM, KDIX-2 NM, KOTI-2 OR, KTWO-2 WY, KTCA-2 MN, KPIC-4 OR, KNAC-5 AR, WRAL-5 NC, WCYB-5, CKMI-5 Que, KAVE-6 NM, CFCL-6 Ont., and KTVC-6 KS. Members requested to fill in an enclosed Equipment Compilation sheet to be used in future articles on the AIPA DXer and his equipment. Norm Ernt, Don Middleton, and Sam Brooks are renewing; William Grant (MA) is a new member.

**TECH NOTES - MS HINTS** (King Schafer) - Since MS is weak, separate high and low band yagis are recommended with an antenna-mounted booster. Generally a cheap antenna at 50 ft is better than a great antenna at 30 ft. Point antenna in direction of your best tropo on a dead channel thought MS may come from another direction. Turn antenna near a weak fringe station as a "kicker"; this will also help in adjusting fine tuning. Scatter may vary from 100 to 1200 miles. Mornings and before/after Es is frequently best time.

**FCC NEWS** (Art Collins, re-elected VP) - The military has asked President Eisenhower to turn over ch 2-6 frequencies to it. ABC-TV is transmitting vertical ID test signals in corners of screen. WDAU-22 PA and WBUF-17 NY to one megawatt. KTBC-7 TX with new 1137' tower; WBZ-4 MA now has highest tower in New England--1,349'. WNYT-29 NY set for August 1. Tornado blew down tower of KVSQ-12 OK. Calls assigned--WLWI-13 IN (on in September), WANE-15 IN, and WEEQ-35 IL. KSWs-8 NM operating from world's tallest structure: 1610'.

In July a rocket from NM will spew gas into the air 70 miles high. A mass of electrified particles should reflect TV/radar waves in an attempt to revolutionize communications. This should benefit military--and DXers. KFAR-2 AK will test for AIPA. In Hawaii KMAU-3 and KGMB SO at 0900; KONA-2 and KULA-4 at 1330. New KTVI-2 MO SO 1300. Art says, "Where is the skip?"

**METEOR SCATTER** (Carl Lupton) - Lyrids had little effect on reports. Bob Seybold, NY, had 134 loggings including KTVI-2 MO, new. Art Collins and King Schafer, NY, tentatively IDed KEDY-4 TX during AIPA test, but the IHTP was different from what the station was using. King saw WCBS-2 NY 18 times. Doris Johnson, WA, logged, new, KXLY-4, WSAZ-3, and WLWC-4. Billy Draeb, WI, most distant was KRDL-4, 960 miles. Jerry Burch, AR, got 10 stations 67 times, mainly channel 2. MS in Buffalo excellent on channels 2-6 daily from 0130 to 0600; poor thereafter.

**EASTERN DX** (Bob Seybold) - Walter Spaulding, OH, logged WAIQ-2, new; he now has 30 veries. Norm Ernt, NY, has logged 98 stations and has new stacked Winegard Colorceptors with power packs. Carl Lupton, IL, logged tropo to 320; totals now 186. Clarence Rareside, LA, had 500+ mile tropo on April 1 and 6 with log up to 69 (from 63). Ed Bourgeois, LA, got 550 mile tropo on April 2; his log stands at 170 with 18 UHF and 115 photos. Bob Seybold, NY, logged WAIQ-2, new, via Es on April 24 with 300+ mile tropo on April 30. Paul Swartz, OH, reported aurora on April 17-18; log at 114.

**WESTERN DX** (Bob Seybold) - Only ten reports; all short. Ed Shorey, KS, log at 151; Jerry Burch, AR, 154; Gene Webb, CA, just 8; Morris Foote, ID, 66; David Janowiak, WI, 89. Ed Hebb, OR, reported CBUT-2 as "regular tropo" at 260 miles. Hal Glick, N.W.T. reported double-hop CBFT-3 on April 3. Others reported Es on April 23-27.

**CO-CHANNEL INTERFERENCE** - Only one-third of members voted in election; board members are Bedford Brown, Jerry Burch, Frank Hill, Richard Lowery, Carl Lupton, and King Schafer. Unided loggings included Queen for a Day, Rin Tin Tin, "Fun Wagon" cartoons, and a Christmas play in April!

FEATURES

SOUTHERN FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, Ok 74074

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183

This new column will emphasize people and news of personal interest to TV DXers which is not covered in other VUD columns. Stories will range from "Personality Profiles" to "DX Trivia." Since this is a column for you, your contributions and comments are desired and needed. Write to address above.

**CNN HEADLINE NEWS** - This official list of TV stations carrying CNN Headline News was supplied by CNN V. P., Robert Schuessler—it should help in IDing stations. With a few exceptions, stations can use CNN programming anytime they wish, up to a maximum of 4 1/2 hours per day:

KADN-15 LA, KAIT-8 AR, KARK-4 AR, KASK-48 NM, KATN-? AK, KAUT-43 OK, KCST-39 CA, KCTV-5 MO, KDNL-30 MO, KFCB-? CA, KFSN-30 CA, KICU-36 CA, KIFI-8 ID, KIMO-13 AK, KIMT-3 IA, KKTU-11 CO, KMEG-14 IA, KMID-2 TX, KMOL-4 TX, KMSP-9 MN, KNXV-15 AZ, KOAT-7 NM, KOFY-? CA, KPNX-12 AZ, KSL-5 UT, KSPR-33 MO, KSWO-7 OK, KTIE-? CA, KTVB-7, KUSA-9 CO, KUSI-51 CA, KUSK-? AZ, KVBC-3 NV, KVOS-12 WA, KVUE-24 TX, KXLI-41 MN, KYFC-50 MO, K39AS IA, TV43 KY

WAPA-4 PR, WBMG-42 AL, WBNS-10 OH, WBOY-12 WV, WBSP-51 FL, WCIV-4 SC, WCVB-5 MA, WCVX-? MA, WEEK-25 IL, WWSW-5 OH, WFAA-8 TX, WFFT-5 IN, WFIE-14 IN, WFMZ-69 PA, WGBO-66 IL, WGGN-? OH, WHCT-38 CT, WIHT-31 MI, WKBD-50 MI, WKRQ-5 AL, WLVI-56 MA, WLYH-15 PA, WNEG-32 GA, WNHT-? NH, WNNB-31 VT, WOAC-67 OH, WOFL-35 FL, WOR-9 NY, WPBN-7 MI, WPEC-12 FL, WPXI-11 PA, WRAL-5 NC, WRSP-55 IL, WSAW-7 WI, WSB-2 GA, WSOC-9 NC, WTBS-17 GA, WTJC-? OH, WTLW-? OH, WTMJ-4 WI, WTSB-31 GA, WTTQ-21 AL, WTVF-5 TN, WTVG-13 OH, WTVQ-17 IL, WTZH-? MS, WVCY-? WI, WVIR-29 VA, WWSB-27 MS, WYFF-4 TN, W10AZ-10 VA, W54AF-54 OH.

**DX TRIVIA** - Name two U. S. cities which are 450 miles apart; they both: 1. have the same name, 2. have stations on the same UHF channel, 3. have a second TV station. HINTS: These cities are named for an historic European place. One of the four TV stations is located on "TV Road." The first DXer to write and give the name of the cities is the winner!

**STATION DATA** - Complete station personnel and address information is vital when writing for verification. The CPB Public Broadcasting Directory (1986-87 Edition, 120 pages) can be ordered for \$5 from: CPB, 1111 Sixteenth St, N.W., Washington, D.C. 20036. Its geographical listing of public TV station includes: call, channel, location, state network headquarter, key personnel, type station, air date, power, and HAAT. Stations are also listed by call letters. Similar information is given for public radio stations.

**Standard Rate and Data Service (SRDS)** publishes a monthly Spot Television Rates and Data. It lists all commercial U.S. stations by state and city; details include call, channel, address, power, HAAT, operating hours, personnel (manager, not C.E.), network, plus extensive rate information which is no interest to DXers. Since this publication sells for \$226 per year, we suggest that you contact advertising agencies and media representatives in large cities — you might be able to obtain recent back issues from them at no charge.

**RECORD LOGGINGS** - Human are naturally competitive and DXers are not an exception! How many of us would continue indefinitely if we never got any new stations? We like to increase our totals and standings in Statistics listing. Have you ever wondered if you were the most distant person to log a far-off station? In requesting verification, do you ask if you were the most distance person to report reception? This new section will be devoted to the record receptions of UHF stations (possibly VHF in the future).

Please mail, by channel, a list of all UHF stations you have logged at 1000+ miles plus all loggings which the station states is a record. If one of your locals has never receive a verie request, then the temporary record would be 10 miles! List call, channel, date, distance, type verie, and if veried as a record.

May 1987  
For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & VA. And DC.  
DEADLINE: 10th

Gus Mancuso, 5615 Inwood St, Cheverly, MD 20785

3/30 tr  
0024 WESM 91.3 MD Princess Anne  
First new catch in several months. With regard to value of having .05 mhz tuning capability versus normal .2, my totals would be about 15-20% less with out it. Could someone explain how selectivity is objectively measured? I know it is in db's, but how does a measurement of quantity or volume relate to a "quality" relationship? (The higher the no. in db's the better the selectivity. DB ) Just returned from 4 days in WV. We visited some people who live on top of a mountain and while the little lady was inside socializing, I slipped out and checked out conditions on the car radio. Having only a couple of minutes, I scanned the dial, taking a "bulk" count of stations and came up with 50 or 55, only I ed was Wheeling WV, 115 miles to north, clear as a bell. Am trying to swing a housesitting deal for the end of May when family vacations. Should be able to hit the magical 100 with directional equipment. Have any other members had any "high altitude" experiences? (Oh, my goodness, yes. I have DXed from the two highest mountain ranges in Oklahoma. For instance, while parked at the top of Mt. Scott, north of Lawton, heard from Little Rock, AR from darn over 350 miles away! DB) Also, I find best reception in most situations is with one rabbit ear vertical and other horz. is especially helpful in reducing, or do I mean increasing capture ratio to look for weaker station behind primary catch. And with indoor antenna, direction can be changed quickly and reception properties can be changed by merely sliding antenna across top of receiver or placing hand on it, especially the horizontal element. Putting one or both bars in the "v" position (45% to horz.) sometimes increases gain.

Matt Sittel, 220 Brookfield Dr., kingsport, TN 37663 EST  
Equipment: Sony STR-AV340, CM 1160 quantum at 34' AGL(1453' MSL), GE 7-4875A clock radio  
3/10 tr 130  
1952 WMIX 93.1 NC Winston-Salem, new calls 0928 WSKZ 106.5 TN Chattanooga 186  
1954 WBFM 98.1 SC Seneca 124 3/28 tr  
1956 WUSY 100.7 TN Cleveland, k 168 1751 WKZL 107.5 NC Winston-Salem, r 130  
1959 WXLK 92.3 VA Roanoke, ID "K-94" 158 3/29 tr  
3/12 gw 1016 WDEF 92.3 TN Chattanooga, "Keep it 186  
1455 WMYI 102.5 NC Hendersonville, \$ 75 on EZ-92 for your easy listening."  
(1st day one the air with test) 1024 WUSY 100.7 TN Cleveland, k 168  
Trops have been very simple, basic, common ones. But these haven't been very strong, either. A new 102.5 might destroy 102.5, 102.7 and 102.9 for DX purposes. I hope not! Also, I forgot to mention this DX note: 2/28 gw 1244 WVAH 99.9 WV Charleston 144. I overlooked it on my logs. Hope everyboy's getting FM Es by now! Best of DX to all. 73.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 CST  
6/10 Es (1986)  
1016 WMCUT 89.7 FL Miami, g 1150 1331 WYFL 92.5 NC Henderson, g, ID 1255  
1017 WCVU 94.5 FL Naples, ID 1050 1428-1430 unIDs 88.5, 88.9  
1023 WAIL 95.5 FL Key West 1090 ms  
WFFY 92.5 FL Key West, ad 1434 WFBQ 94.7 IN Indianapolis, Q-95 995  
1027 WPDS 93.3 FL Tampa, ad 985 (1790-2115 at committee meeting for my 20  
1051 WYNF 94.9 FL Tampa, "95-YNF" year high school reunion!)  
1053 WHPF 97.9 FL Palm Beach, ads 1150 2115 unIDs 106.5+  
1057 WCMQ 92.3 FL Hialeah, Sp. 1150 2128 WIVK 107.7 TN Knoxville, ID 990  
1059 WRMB 89.3 FL Boynton Beach, ID 1150 (2130, 144-MHz Es to Chattanooga, TN, spotty)  
1106 WQLM 92.7 FL Punta Gorda, ad 1020 2146 WVNO 106.1 OH Mansfield, ID 1180  
1108 WIRK 107.9 FL West Palm Beach, ID 1145 2152 WELE 105.9 FL De Land, area wx 1040  
1114 WEDR 99.1 FL Miami, local ad 1150 2200 WEMM 107.9 WV Huntington, WV ad 1100  
1115 WQST 99.9 FL Boca Raton 1150 2202 WMJC 94.7 MI Birmingham, ID 1235  
1119 WGYL 93.5 FL Vero Beach, k 1110 2203 WCZY 95.5 MI Detroit, ID 1225  
1121 WWSB 94.7 FL Fort Myers, al 1040 2218 WMLW 94.1 WI Watertown, ad 8 1090  
1124 WRGI 93.5 FL Naples, 0095 2222 KLSS 106.1 IA Mason City, wx 985  
1127 WKSJ 96.7 FL Jupiter, ID, EL 1145 2223 WMT 96.5 IA Cedar Rapids, wx 945  
1141 WLRN 91.3 FL Miami, j 1150 2227 WILV 94.9 WI Baraboo, ID 1085  
1142 WDVV 95.5 FL Fort Peirce, ID 1115 2229 KSTP 94.5 MN St. Paul, lol wx 1110  
1148 WRIT 92.7 FL Stuart, ID 1125 2230 KTIS 98.5 MN Minneapolis, ID 1110  
1152 WOKD 98.3 FL Arcadia, ads, OK98 1065 2233 KKRJ 107.1 MN Hutchinson, ID 1090  
1157 WFFM 94.1 FL Lakeland, local ad 1010 2234 KKWS 105.9 MN Wadena, area ad 1190  
1211 apx f/out

| 6/10 Es                                     |                                   | 6/11 Es |   | 6/12 Es |  |
|---|-----------------------------------|---------|---|---------|--|
| 2241  | WHLZ 92.5 SC Manning, ID          | 1110    | 1743 WMYG 96.9 PA Braddock, area ad         | 1290    |  |
| 2248  | WQDRt 94.7 NC Raleigh, k          | 1230    | 1744 WTQR 104.1 NC Winston-Salem, lcl ad    | 1150    |  |
| 2259  | KFNW 97.9 ND Fargo, ID            | 1200    | 1745 WNUU 107.1 OH Belpre, k, ID            | 1175    |  |
| 2303  | KQDY 94.5 ND Bismarck, area wx    | 1200    | tr  |         |  |
| 2357  | WDEK 29.5 IL De KalB, ID          | 1020    | 1749 KWIC 107.9 TX Beaumont, area ad        | 275     |  |
| 6/11 Es                                     |                                   | Es      |   | Es      |  |
| 0000  | WAAG 94.9 IL Galesburg, ID        | 915     | 1749 WDSY 107.9 PA Pittsburgh, local ad     | 1280    |  |
| 0001  | unID 105.7 (MUF)                  |         | (1755, VOR's)                               |         |  |
| 0012  | KYOU 92.5 CO Greeley, ID          | 830     | 1759 WPAY 104.1 OH Portsmouth, ID           | 1095    |  |
| 0018  | KQRS 92.5 MN Golden Valley, ad    | 1110    | WQAL 104.1 OH Cleveland, ID                 | 1250    |  |
| 0023  | spotty to 0040 f/outs             |         | 1823 WCMQt 92.3 FL Hialeah, Sp.             | 1150    |  |
| 0800  | WMCU 89.7 FL Miami, g, area psa   | 1150    | 1831 WMCUt 89.7 FL Miami, g                 | 1150    |  |
| 0801  | WFYN 92.5 FL Key West, ID         | 1090    | 1852 WFBQt 94.7 IN Indianapolis             | 975     |  |
| 0813  | WRGI 93.5 FL Naples, area ad      | 1050    | 1853 WTTs 92.3 IN Bloomington, local ad     | 950     |  |
| 0823  | WHYI 100.7 FL Ft. Lauderdale, psa | 1150    | CJBX 92.7 ON London, k, "BX-93"             | 1335    |  |
| 0837  | WFGt 93.7 OH Miamisburg, g        | 1070    | 1859 WWEZ 92.5 OH Cincinnati, ID            | 1035    |  |
| G---t                                       | 93.5 Cuba Santa Clara, Sp.        | 1270    | 1901 WKJQ 92.5 OH Alliance, lcl ad, r       | 1255    |  |
| 0838  | WINK 96.9 FL Ft. Myers, local ad  | 1040    | 1902 WHBC 94.1 OH Canton, area wx           | 1235    |  |
| 0844  | WTTs 92.3 IN Bloomington, ID      | 950     | 1909 WKSUt 89.7 OH Kent, c                  | 1255    |  |
| 0853  | WTPI 107.9 IN Indianapolis, ID    | 995     | 1933 apx f/outs                             |         |  |
| 0905  | WHWY 104.9 IN Columbus, ID        | 1050    | 6/12 Es                                     |         |  |
| 0911  | WAKWt 93.3 OH Cincinnati, g       | 1035    | 0728-0737 unIDs 88-89 (spotty)              |         |  |
| WNNS  | 98.7 IL Springfield, ID           | 870     | 0800 WBNI 89.1 IN Fort Wayne, town ID       | 1095    |  |
| 0915  | WJFM 93.7 MI Grand Rapids, Joy-FM | 1175    | 0801 WAJI 95.1 IN Ft. Wayne, ID             | 1095    |  |
| 0916  | WGFA 94.1 IL Watska, ID           | 985     | 0802 WBCL 90.3 IN Fort Wayne, local psa     | 1095    |  |
| 0917  | WBFgt 97.7 IL Effingham, g        | 870     | 0814 WDCRt 88.5 IA Sioux Center             | 945     |  |
| 0921  | WFMT 98.7 IL Chicago, ID          | 1045    | 0817 WOW 94.1 NE Omaha (59 AM)              | 830     |  |
| WYCat                                       | 92.3 IN Hammond, g                | 1040    | 0819 WZQ 95.1 IL Decatur, local ad          | 895     |  |
| (0924, 144-MHz Es to FL; brief)             |                                   |         | 0820 WGFA 94.1 IL Watska, ID                | 985     |  |
| 0948  | KOKZ 105.7 IA Waterloo, ID        | 960     | 0822 KKRC 93.5 SD Sioux Falls, ID           | 975     |  |
| 0950  | ITOI 108.9 AL Troy (ILS) [20 w.]  | 765     | 0843 KELO 92.5 SD Sioux Falls, ID           | 975     |  |
| 0956  | WDSY 107.9 PA Pittsburgh, ID      | 1280    | 0846 WILVt 94.9 WI Baraboo, EL              | 1085    |  |
| 0958  | KLSS 106.1 IA Mason City, city ID | 985     | WXXQt 98.5 IL Freeport, r                   | 1000    |  |
| 0959  | WQVK 98.7 WV Wheeling, ID         | 1240    | 0848 WXLp 96.9 IL Milline, ID, ads          | 940     |  |
| 1001  | WPAY 104.1 OH Portsmouth, ID      | 1095    | 0849 KHAKt 98.1 IA Cedar Rapids             | 945     |  |
| 1004  | WNCT 107.9 NC Greenville, area ad | 1295    | 0850 KGCK 88.3 IA Cedar Rapids, ID          |         |  |
| 1005  | WZNY 105.7 GA Augusta, Sunny 105  | 1010    | 0852 WMLW 94.1 WI Watertown, ID             | 1090    |  |
| 1011  | WBGK 95.7 WI Milwaukee, ID        | 1100    | sull to                                     |         |  |
| 1014  | WQDR 94.7 NC Raleigh, ID          | 1230    | 0905 KEYA 88.5 ND Belcourt, ID              | 1335    |  |
| 1018  | WYAV 104.1 SC Conway, ID, r       | 1175    | lull again to                               |         |  |
| 1021  | WCLA 107.1 GA Claxton, ID         | 1000    | 0927 WDAYt 93.7 ND Fargo                    | 1200    |  |
| (1024-1200, 144-MHz Es to GA, NC SC, AL)    |                                   |         | 0029 KQDY 94.5 ND Bismarck, town ID         | 1200    |  |
| 1221  | WRDU 106.1 NC Wilson, ID          | 1265    | 0930-1018 spotty 88-92                      |         |  |
| 1222  | WNOK 105.7 NC Columbia, OK 106    | 1360    | 6/14 Es                                     |         |  |
| (1228-1300, 144-MHz Es to NC)               |                                   |         | 0909 KKRC 93.5 SD Sioux Falls, local ad     | 975     |  |
| 1233  | WSTS 96.5 NC Laurinburg           | 1165    | 0911 KKOK 95.7 MN Morris, local ads         | 1125    |  |
| 1244  | WSPA 98.9 SC Spartanburg, ad      | 1035    | 0912 KQAAt 94.9 SD Aberdeen, r              | 1100    |  |
| 1250  | WMSQ 104.9 NC Havelock, ad        | 1315    | 0914 KDLO 96.9 SD Watertown, ID             | 1070    |  |
| 1252  | WKLX 93.3 NC Washington, ID       | 1335    | 0915 KNEN 94.7 NE Norfolk, lcl psa's        | 870     |  |
| WRNSt                                       | 95.1 NC Kinston, k                | 1275    | spotty to                                   |         |  |
| 1255  | WPEG 97.9 NC Concord, ID          | 1120    | 0953 KQDYt 94.5 ND Bismarck, k              | 1200    |  |
| 1300  | WKTC 104.3 NC Tarboro, ID         | 1290    | 6/15 Es                                     |         |  |
| (1307-1314, 144-MHz Es Chesapeake Pen., VA) |                                   |         | 0859 KMPR 88.9 ND Minot, ND wx              | 1300    |  |
| 1321  | WRVQ 94.5 VA Richmond, r, :-94    | 1325    | 2 other tentative from same area            |         |  |
| 1325  | WTQR 104.1 NC Winston-Salem, ID   | 1150    | 1308 KSDYt 95.1 MT Sidney, k                | 1295    |  |
| 1327  | WPVR 94.9 VA Roanoke, ads         | 1195    | 1314 KQDY 94.5 ND Bismarck, k "KQ-94"       | 1200    |  |
| 1329  | WKLM 94.5 NC Eden, Classy-95      | 1180    | 3 other tentative from ND                   |         |  |
| 1356  | WLTt 94.7 MD Bethesda             | 1375    | 1337 apx f/outs                             |         |  |
| 1405  | WXLK 92.3 VA Roanoke, local wx    | 1195    | 1637 KNAUt 88.7 AZ Flagstaff                | 855     |  |
| WAMUt                                       | 88.5 DC Washington, bluegrass     | 1385    | 1649 KKFR 92.3 AZ Glendale, r, ID           | 840     |  |
| soon f/outs after 6+ hours!                 |                                   |         | 1658 KJZZ 91.5 AZ Phoenix, J, ID            | 835     |  |
| 1543-1550                                   | WMNft 88.5 FL Tampa               | 985     | 1700 KMEO 96.9 AZ Phoenix, EL, ID           |         |  |
| 1658  | WFDDt 88.5 NC Winston-Salem       | 1150    | 1714 XHMMft 92.3 BCN Mexicali, Sp., r       | 1010    |  |
| 1705  | WRVlt 92.5 NC Henderson, g        | 1255    | 1720 KDKB 93.3 AZ Mesa, area ad             | 820     |  |
| 1716  | WTEBt 89.5 NC New Bern            | 1305    | 1721 KOOL 94.5 AZ Phoenix, ID               | 835     |  |
| 1719  | WRVQ 94.5 VA Richmond, local ad   | 1325    | soon f/outs                                 |         |  |
| 1729  | WPVR 94.9 VA Roanoke, EL, ID, wx  | 1195    | 6/18 Es                                     |         |  |
| 1737  | WTFM 98.5 TN Kingsport, ID        | 1045    | 1004 WYFL 92.5 NC Henderson, nx, ID         | 1255    |  |
| 1739  | WTNJ 105.9 WV Mount Hope, k       | 1150    | 1008 WSPat 98.9 SC Spartanburg, EL          | 1035    |  |
| 1740  | WXIS 103.9 TN Erwin, k, ads       | 1035    | (1009, very little on TV!) CONT. NEXT MONTH |         |  |

####

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## COME TO THE WTFDA CONVENTION JULY 31 to August 2, 1987

Place: Esko MN—Home of the FM Atlas Publishing Co. and FMedia! Much of the convention activity will be centered on our 35-acre property located 22 km WSW of Duluth MN, in Carlton County, with WKLK-FM 100.9 the closest local.

Time: Plan to arrive any time on Friday, July 31, by plane, car, bus or boat—all roads lead to Duluth. There will be a kick-off catered meal that Friday evening and a full day of activity Saturday, Aug. 1. Here's a chance to meet other DXers and renew friendships. By Sunday afternoon, you'll be on your way again, with all the excitement of another WTFDA convention behind you. You may want to stay in the area longer and enjoy its media and its beauty.

Accommodations: We've reserved a block of rooms at each of two motels nearby. The choices are: Scot Wood Motel in Cloquet MN, just seven miles from the convention site. Rates \$29.65 single, \$36.95 two people, two beds; \$39.95 for four people, two beds. Write them at Highway 33 and Big Lake Road, Cloquet MN 55720; (800) 426-7070. The other motel is Spirit Motor Inn, and that is in the direction of Duluth, also about seven miles from us. Their prices are the same as for the Scot Wood. Write them at 9315 West Gate Blvd., Duluth MN 55810; (218) 628-3691.

It is very necessary to have reservations in early! This area is quite a tourist place, and there are no rooms available if one just shows up expecting to find motels or hotels (although one poorer-quality hotel said they do often have vacancies, and we can refer late-comers there). You can write or call either of these motels and reserve your room. Tell them it is for the WTFDA convention, and use our name (Elving).

What to do: This area of northern Minnesota offers something for everyone. There are summer sports of all kinds and oodles of gorgeous scenery, including Duluth's famed skyline drive, with excellent FM reception from WI (if you try it out in a bend where the locals are not too strong). Plan to make a vacation trip along with the convention activities.

Tentative convention activities or topics: flea market, where you can buy or sell; literature exchange; "beyond DXing" and how to make money with your hobby; club politics hauled into the open in a closing free-for-all session Sunday; find the clones on your FM dial; explore the inner workings of the FM Atlas publishing and electronics endeavors; bring your tuner for side-by-side comparison tests (time permitting), or for modification.

REGISTRATION. The registration fee of \$30—which can be sent in any time now—we will need to know how many to plan for. This includes the sessions, a chance to get in on the flea market, refreshments as well as Friday and Saturday night meals. Meals can be purchased separately if there are family members who just want to attend one or both of the meals. Both motels are located near family-type restaurants, such as Perkins and Country Kitchen.

If you wish to bring your family, they will be most welcome. There is lots of sight-seeing, good summertime recreation, a zoo, excursion rides in the Duluth-Superior harbor and on Lake Superior.

One note to the wise: Bear in mind that northern Minnesota can be delightfully cool in the summer, so plan to tuck a jacket, sweater or sweatshirt (with radio or TV station logo?) into your luggage. USE THIS COUPON, or copy it:

I (we) are coming to the WTFDA convention in Esko MN.

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ How many in party? \_\_\_\_\_

Planned day and time of arrival: \_\_\_\_\_

Method of transportation and if you need a ride from Duluth airport or Cloquet bus station \_\_\_\_\_

If driving, mention if you can take another DXer along, sharing expenses, or if you need a ride mention that. Watch for more details next month. Remember to register early!

New Station, Translator Grants  
(selected)



AL Andalusia 104.7 3000 h.v; 100 m  
AK Kenai \*91.9 4400 watts h[orizontal] and v[er]tical, .42 meters above average terrain  
AZ Riviera (I think that's the correct spelling; ZIP Code Directory has it that way, but FCC lists it as "Riviera"; it's not on my Rand McNally) K237CK 95.3 (KMDX translator); check FM Atlas for Riviera's location  
K280DD 103.9 (KEYV 93.1 Las Vegas)  
CO Breckenridge K224BU 92.7 (KYSL 92.1 Frisco; see "Call Letters" below)  
CO Buena Vista-Salida K261CB 100.1 (KRMH-FM 93.5 Leadville)  
GA Sparta 97.7 3000 h.v; 100 m  
HI Hilo 92.7 3000 h.v; minus 178 meters  
ID St. Anthony K210AT \*89.9 (KCIR 90.7 Twin Falls)  
ID Wallace 100.7 44000 h.v; 849 m  
IA Fairfield \*90.5 3000 h.v; 100 m, IA Community Radio, Inc. (Beaumont TX)  
LA Lake Charles K220BU \*91.9 (KVLU 91.3/ MN Slayton 103.1 3000 h.v; 82 m  
Rust College  
MS Holly Springs \*88.1 3000 h.v; 100 m./ MS Macon 100.5 3000 h.v; 100 m  
NM Santa Fe K244CX 96.7 (KHFM 96.3 Albuquerque NM, another of Mike Brasher's translators—he's the mysterious operator of K240BL 95.9 Albuquerque, which apparently cannot pick up primary KISZ-FM Cortez CO. Brasher works at KANW Albuquerque)  
NY Webster \*89.3 1000 h.v; 23 m, Mars Hill Broadcasting; delete W292AH there, since new station will presumably duplicate the translator  
ND Dickinson \*89.5 12500 h.v; 150 m, Prairie Public Broadcasting  
OK Hennessey K292DX 106.3 (KJIL 104.9 Bethany)  
PA Nanticoke \*89.1 100 h.v; minus 116 m, Luzerne County Community College  
TX Lubbock K249CD 97.7 (KUFO 104.7 Lamesa)  
WA Royal City K213AX \*90.5 (KMBl-FM 107.9 Spokane) [101.7 St. Mary's]  
WV Harrisville W265AL 100.9 (WRRR/  
WY Lost Cabin (43-24-55; 107-27-08) 99.1 10000 h.v; 396 m  
PD Drummondville 92.1 3000 h.v; r[ock] format, "with all-night programming from CHOI FM Quebec City"  
PQ St-Hyacinthe 106.5 3000 h.v; CKBS  
PQ Sorel CJSO 101.7 3000 h.v; "the FM replaces the AM station, which has been experiencing technical problems, Group I programming" (rock2)  
Call Letters Assigned (Selected)  
AL Jasper 102.5 WZBQ-FM (WZBQ; AM is in Tuscaloosa), "Z-102," r  
AL Montgomery 103.3 WREZ-FM  
AR Fort Smith 100.9 KZBL (from KFPW-FM, r (oldies)  
AR Pine Bluff 94.9 KZLR (KADL), rp, adds Little Rock ID [be g[ospel]  
AR Mountain Home \*91.3 KCMH, tol  
CA Desert Center 102.3 KZAL (KORS)  
CA Greenacres \*88.3 KAXL  
CA Los Osos-Baywood Park 101.3 KLZZ (KEDZ), facilities change to 458 m (4800 h.v)  
CA Roseville-Sacramento 93.5 KRXO (KDJO), rp, "93-Rock"  
CA San Diego 106.5 KKLQ-FM (MKLD), "O-

106," r (CHR)  
CA Santa Cruz 99.1 KLRS (KSOC-FM), "Colors 99.1," jr ("new age" music)  
CA Turlock 98.3 KMIX-FM (KMIX)  
CO Frisco 92.1 KYSL  
CO Grand Junction 92.3 KVEE-FM (KVEE; affects 18 translators)  
FL Green Cove Springs 92.7 WPDQ (WSVE), still s[ou]l, adds Jacksonville ID  
FL Miami Beach 94.9 WZTA (WINZ-FM), "Zeta-94," rp  
FL Orlando 96.5 WHTQ (WHOO-FM), rp  
HI Kailua-Kona 93.5 KLUA (KHJM)  
IL Kankakee 99.9 WBUS (WBSW), now missing "The Bus?"  
IL Rock Island 98.9 WPXR-FM (WHSB-FM), "Power-98.9"  
IN Madison 96.7 WORX-FM (WCJC)  
IA Des Moines \*91.3 WDFR (not KDFR; FCC list confirms use of "W," helping to erode the K-W Mississippi River artificial distinction; I wrote FCC in favor of this rule's change)  
IA Onawa 102.3 KODD (KBAO)  
KS Hutchinson \*91.5 KFRK  
KS North Newton \*88.1 KBCU  
MI Atlanta 92.5 WVKY  
MI Birmingham 94.7 WCSX (WBJC), "Classic Rock," fate of well-known dj Alan Almond, who had the night show on WBJC, not announced [AM has new calls]  
MI Cadillac 92.9 WDLW (WXYB)  
MI St. Johns 92.7 WLNZ-FM (WLNZ-FM; / MI Subeiwaing 103.9 WYMI, to be \$ g  
MS Gulfport 107.1 WXLX (WZKX)  
MS Merion 103.1 WQIC-FM (AM is in Meridian MS), to be s[ou]l  
MS Meridian 101.3 WJDD-FM (WJDD)  
MS Poplarville 107.9 WZKX (WQLC)  
MO Branson \*88.1 KLFCC  
MO Mountain Grove 92.7 KRFI-FM (KLRS-FM)  
MT Hamilton 95.9 KBMG (KLYD-FM)  
NE Lincoln 95.3 KLDZ (KJUS)  
NJ Dover Township \*91.1 WKTW  
NJ Hazlet \*89.3 WCNJ (WVRM); affects 2 translators  
NM Los Alamos 98.5 KKBR (not KBOM) 107.1 KBOM (KPZA), "K-Boom"  
NY Boonville 101.5 WBRV-FM  
NY Herkimer 92.7 WYUT-FM (WYUT; AM was WLIR, which now moves to Spring Valley NY, while WLIR-FM remains in Garden City NY)  
NY Hyde Park 97.7 WCZK (WJJB)  
NY Oswego 101.7 WQXT (WQWT)  
NC Columbia 105.7 WRFS (WVOK)  
NC Hendersonville 102.5 WKQL (WMYI)  
NC Reidsville 102.1 WBIG (WVMO), k  
NC Williamston 103.7 WKKE (WPMG)  
NC Winston-Salem 93.1 WMOX-FM (WSEZ), r  
ND Valley City 100.9 KOVC-FM (KFRM)  
OH Mount Vernon 93.7 WQIO (WVMO-FM)  
OK Lawton 94.3 KQLI  
PA Philadelphia 106.1 WEGX (WTRK), "Eagle"  
PA Punxsutawney 105.5 WPXZ-FM (WPXZ-FM; AM has different calls)  
PA Tamaqua 105.5 WMHG (WCRN), r, "Magic"  
RI Westerly 103.7 WWRX (WERI-FM), rp  
SC Goose Creek 94.3 WWHF-FM (WLNB-FM; AM is in Charleston SC)

Bruce F. Elving, Ph.D., Editor  
241 Anderson Road  
Esko MN 55733-9413

SC Ravenel 101.7 WMGL (WFXR), sformat  
SC Saluda 92.1 WRQ (WSPB); 3000 h.v (100 m) ["Rebel-101"  
TN Franklin 100.1 WWRB (WRLO-FM), rp/  
TX Amarillo 94.1 KDJW-FM (KBUY-FM)  
TX Big Spring 95.3 KWKI-FM (KWKI), nonID  
TX Luling 94.7 KAPT (KCWR), 446 m (100000 h.v); rm, not known if Stereo  
TX Ozona 94.3 KYXX (KRCT)  
TX Sonora 92.1 KHOS-FM (KHOS)  
TX Terrell Hills 106.7 KMMX (KESI), "K-Mix"  
UT Salt Lake City 98.7 KCPX-FM (KCPX-FM)  
VT Rutland \*88.7 WRVT  
VA South Boston 97.5 WJLC-FM (not changing to WPHR-FM)  
VA Strasburg 104.9 WESI (not WL SL)  
VA Virginia Beach 94.9 WQJL-FM (WNRN)  
WA Pullman 99.5 KPNN  
WA Richland 106.5 KOTY-FM (KHWK), k  
WA Yakima 99.3 KAJR-FM (KAJR-FM)  
WV Wheeling 97.3 WEEL-FM (WKWK-FM); AM is in Fairfax VA; b format  
WI Racine 100.7 WHBT (WRKR-FM), "Heart-beat 101," but always mentioned with call letters, r, "a bunch of rock music, which I suspect is called adult contemporary"  
VI Charlotte Amalie 101.1 WCMW (WSTT)

### Facilities Changes Granted (Selected)

AZ Phoenix KJZZ \*91.5 486 m (100000 h.v)  
CA Santa Barbara KTYD 99.9 34000 h.v (390 m), apparently qualifying for super-maximum coverage, despite being in a zone limited to 50 kw at 150 m  
CO Castle Rock KADX 92.1 187 m (8200 watts h.v) [3000 h.v]  
CO Quay KURA 104.9 minus 848 m/  
FL Key West WFFY 92.5 184 m (100000 h.v); not to go to 92.3; change your FM Atlas reference accordingly  
WQZN 98.7 302 m (100000 h.v)  
FL Macclenny WJXR 92.1 100 m (3000 h.v)  
FL West Palm Beach WEAT-FM 104.3 56000 h.v (381 m), directional  
GA Augusta WRUS-FM 102.3 100 m (3000)/  
GA Savannah WZAT 102.1 403 m (100000 h.v)  
GA Valdosta WAFB 101.1 100000 h.v; -125 m  
HI Honolulu 100.3 (new) 100000 h.v; 125 m  
ID Idaho Falls K211BD \*90.1 (from K204AX 88.7)

IL Romeoville WLRA \*88.1 mentions Romeoville on the hour; Lockport at sign off, so I am continuing to list it as licensed to Romeoville  
KY Murray WAAW 103.7 has v[er]tical  
KY Pippa Passes WOAL \*91.7 900 h.v; 162 m  
LA Vermado WBOX-FM 92.7 98 m (3000 h.v)  
MA Lynn WFNX 101.7 1650 h.v; 134 m  
MA Worcester WCHC \*88.1 (from 89.1) 100 w (vertical only); -2 m  
MS McComb WAKH 105.7 331 m (100000 h.v)  
MO St. Louis KEZK 102.5 313 m (100000 h.v)  
MT Billings KEMC \*91.7 100000 h.v; 158 m  
NV Henderson KQZD 100.5 327 m (100000 h.v)  
NV Reno KSXY 101.7 "ordered from 272A" by FCC, even though it may initially have operated on 102.3  
NM Farmington K292CA 106.3 (from K296DL 107.1), ref. last month. It will not move to 107.1, "according to license. Apparently KROS Pagosa Springs CO had complained of interference."  
NY Batavia WGCC \*90.7 900 h.v; 42 m  
NY Brockport WBSU \*89.1 (from 88.9) 7300 h.v; 53 m

### FCC-FM

NY Lowville WLLG 99.3 1000 h.v; 171 m  
NY Utica WURY \*89.5 6250 h.v; 237 m  
NC High Point WOJY 100.3 316 m (100000 h.v)  
ND Kinot KHHT 97.1 100000 h.v; 300 m  
OH Castalia WGGN 97.7 640 h.v; 221 m  
OH Cleveland WCLV 95.5 no directional antenna  
WNCX 98.5 16000 h.v; 293 m  
OH London WCKX 106.3 100 m (3000 h.v)  
OK Alva KTTL 94.3 100 m (3000 h.v)  
OR Hermiston KQFM 99.3 91 m (3000 h.v)  
OR Portland KKRZ 100.3 438 m (100000 h.v; see Jan., p. 8, col. 3)  
PA Bellwood WALY 103.9 310 h.v; 300 m  
"Wally 104," r ("uptempo adult contemporary"); embraces stereoephony  
PA Jenkintown \*103.9 340 h.v (305 m), monophonic  
SC Charleston WSSX 95.1 300 m (100000 h.v)  
TN Jefferson City WJFC-FM 99.3 100 m (3000 h.v)  
TN Memphis WRVR-FM 104.5 300 m (100000 h.v)  
TN Milan WYNU 92.3 302 m (100000 h.v)  
TX Harlingen KELT 94.5 362 m (100000 h.v)  
KIWW 96.1 304 m (100000 h.v)  
TX Lubbock K221CX 92.1 (from K249BD 97.7; also see "New Stations" above)  
TX Marshall KMHT-FM 103.9 1850 h.v; 129 m  
VT Waterbury WGLY 103.1 1100 h.v; 163 m, monaural  
VA Chester WODY 92.1 100 m (3000 h.v)  
WI Milladore WGVN \*88.5 23000 h.v; 178 m  
WA Mount Vernon KSVR \*90.1 100 w horizontal only; minus 49 meters  
ON London CHRW 94.7 5000 h.v (55 m)  
ON Nipigon-Red Rock CFNO- 100.7 (from 103.7, not yet on air)  
ON Parry Sound CKLP 103.3 2500 h.v  
PQ Chissibi (formerly Fort-George), affects CBFC 103.5 and CBPM 105.1  
PQ Kawawachikamach (renamed Indian village—nearly by Schefferville abandoned), affects FM relayers on 89.3 and 106.9  
PQ Keyano (from Camp LG-4), CKBJ-1 98.1 and CHLG-1 100.1  
PQ Sakami (from Camp LG-3) CKBJ-98.5 and CHLG 100.5  
PQ Waskaganish (from Fort Rupert) CBFH 103.5 and CBMO 105.1  
PQ Wemimji (from Nouveau Comptoir) CBFV 103.5 and CBMW 105.1  
Canada mystery: CFBS Blanc Sablon PQ listed as applying for power increase to 25 watts; I wonder if this is the same station as the 1-watter listed without calls for St-Augustin on 90.1?

### Format Changes

Abbreviations are the same as in the "FM Atlas"  
AL York WSLY 99.3 s  
CA Santa Cruz KCLB \*91.9 gr  
FL Lakeland WCIE \*91.1 gr, "adult contemporary"  
FL Melbourne WMMY 102.3 r, "Y-102"  
GA Newnan WVER 96.7 still s, "although more black oldies (Motown, etc.) than urban contemporary."  
HI Kealahou KOAS 92.1 rp (from b)  
ID Boise KCIX 105.9 r, "K-106" (strict)  
IL Cahokia WRTS \*89.5 r, adds Stereo, "heard with KCFV in SW Madison county IL (Granite City area)"  
IL Chillicothe WBMZ 94.3 b (from k[country])  
IL Columbia WCBW 104.9 gr, "contemporary Christian"  
IL Rockford WQFL 100.9 gr, "adult contemporary," with artists like Amy Grant, Petra, and the Imperials  
IL Springfield WNSN 98.7 r, no nonID  
KY Mayfield WXD 94.7 k  
ME Boothbay Harbor WCME 96.7 b  
ME Lincoln WLNK-FM 99.3 r  
MD Ocean City WOCQ 103.9 rs  
MD Princess Anne WESM \*91.3 js

### Watch out WMUC, WJTM's Gonna Get You!

MA Boston WMRQ 103.3 jr, jazz, "new age music" and soft rock  
MI Detroit WLTI 93.1 mr (Transtar 41), "W-Lite"  
WOMC 104.3 rm, with "many oldies"; "Music Now" nonID  
MI Otsego-Kalamazoo WQXC 100.9 r (CHR), "QuiXie-101" (not strict)  
MI Whitehall-Muskegon WKBZ-FM 95.3 r, talk 9 p. m. to 5 a. m. (Mutual feed), in "stereo-phony"  
MN Cloquet WKLK-FM 100.9 rm, with Sunday afternoon ethnic and polka  
MN Grand Rapids KJNS 96.9 r  
MS Bay Springs WXIY 93.5 r (oldies)  
MO St. Louis KTAD \*88.1 to be [ethnic] "if it ever comes on"  
KSD 93.7 rumored to be going rp, "still r (ACJ)"  
KADI 96.3 mr, Format 41  
MO Marshall KMMO-FM 102.9 k  
NE Kearney KSCV \*91.3 cr (classical and rock)  
NV Reno KIQ 104.5 k, affects 8 translators  
NY New York KRWS 98.7 s, "they're giving up on the crossover crowd, which WQHT has captured, and devoting themselves to the black and hispanic market."  
OH Elyria WBEA 107.3 rp, "Z-Rock," ID with Cleveland?  
OH Greenville WDRK 106.5 r (oldies, no more country), still "K-106"  
OR Pendleton KRBM \*90.9 cp, "breaks away from the other OPB stations weeknights 8 to midnight for programs of allum-rock DJed by students at Blue Mountain Community College"; not known if stereo  
PA Canton WKAD 100.1 k  
SC Ravenel-Charleston WFXR 101.7 s  
TX Bastrop KSSB 107.1 r (oldies)  
TX Houston KRBE 104.1 sr, "Power 104," with about half of current playlist being "urban"  
TX Lufkin KYKS 105.1 r  
TX Pasadena-Houston KKBQ-FM 92.9 rs  
TX Refugio KZTX 106.3 m, "adult standards"  
TX San Angelo KELI 98.7 b [beautiful] music  
TX Tyler KROZ 92.1 rp  
UT Ogden KKAT 101.9 k  
UT Salt Lake City KISM 97.1 r, affects 10 translators, one of which, K228BA 93.5, is in Upper Bear River WY, not Evanston  
WA Bellingham KUGS \*89.3 p, monophonic KISM 92.9 r, "they dropped album rock back in 1983"  
WA Seattle KCMU \*90.3 (having just moved from 90.5) p, but mono  
WV New Martinsville WATQ 103.9 r, "Q-104"  
WI Oshkosh WAHC 96.7 k  
BC Vancouver CKKS 96.9 jr, "adult contemporary with 15 hours per week of jazz fusion"  
DN Windsor CKLW-FM 93.9 rl, "oldies, but 20% b to meet CRTC" program format requirements  
BN Mexicoi XHSL 89.9 sr

### Stereo, or to be Stereo

CO Farmington KTRA 102.1 k  
IL South Jacksonville WJVO 106.5  
ME Belfast WFFF 104.7, ID with Bangor-Elisworth, "The Fox"  
ME Caribou WCXU 97.7 rk  
NY Putnam WSCP-FM 101.7  
SD Reliance KPL-O-FM 94.5 k, dual ID with KDL-O-FM 96.9 Watertown SD  
OR Bend KNLR 97.5, affects 2 translators, including K240BN The Dalles, 95.9  
AB Edmonton CJSR \*88.5 pi, "separate rock, jazz programs" [FM]  
WA Pasco KEYW 98.3, "Key-98, Gourme"  
BC Mount Timothy CFFM-1 99.7 and Quesnel 94.9  
BC Terrace CJFW 103.1 and CJFW-2 Prince Rupert 101.9  
BC Vancouver C1TR \*101.9 p, with "alternative/college rock, reggae and dance-

funk"  
BC Victoria CFUV \*105.1 p, "alternative/college rock, heavy metal and a bit of ethnic and classical programming"  
BC Williams Lake CFFM 97.5  
ON Orangeville CIDC 103.5, heard testing, "DC 103," rm (lite rock, was to have begun "around Easter")  
NOT IN STEREO  
CO Silverton KDFM 103.7 now k format; "this station was stereo when it first moved from 103.9 to 103.7, but the multipath was too much with the new antenna site and power"; affects 1 translator  
NT Hay River CKHR 107.3

### Deletions

AL Florence W252AD 98.3, the "new" WKDF 103.3 Nashville TN translator (grant must have expired an FCC error)  
CA San Luis Obispo KSLP \*88.3, denied request for extension of time  
FL Apalachicola 105.5, grant rescinded; back to application status; meanwhile its original calls, WBFL, granted to k[Daniels KY \*91.5  
KY Bowling Green WKEM \*91.7, application deleted for CP to replace expired construction permit  
ME Camden WJMT 102.5, "application deleted for extension of time"  
MD Riverside W292AD 106.3  
NM Farmington K272BK 102.3, forced off due of new KTRA 102.1 coming on the air (see "Stereo," above)  
NY Webster W292AH (see "New Stations Grant" (Selected)), above  
ND Dickinson K208AF \*89.5, displaced by full-power station on "89.9 (see "New Stations" above)  
ON Brockville CBCB 103.3 had been listed as licensed, and never on the air, not even mentioned on CBC lists, so consider this phantom station, on a prime U. S. border frequency, deleted  
PQ Brisay CKBJ-6 93.1, as CKBJ-4 CHL-6 95.1 [as CKBJ-4 CHL-6 95.1]  
PQ Camp Chaumont \*95.1, as well/  
PQ Camp Fontage 93.1 CKBJ-7  
PQ Camp LG-1 CHL-8 95.1  
PQ Camp Mirage 95.1  
PQ Eastman 105.1 CHL-4  
PQ Gagnon 98.1 and CFJO 104.1, "town abandoned"  
PQ Laforce 95.1 CHL-7; article in "Broadcast Technology" magazine says Club Sociai La Grande has closed eight Quebec cast facilities which served Hydro Quebec construction camps in the James Bay area. Also assumed to be deleted are non-Sociai La Grande stations in those camps, including the two stations on those  
Off Air, or Not Yet On  
AK Delta Junction KDCZ 93.5  
GA McDonough WMMV \*90.7  
IL Winamac WOTD 100.1  
NH Hinsdale WYRY 104.9  
TX San Antonio KURU \*89.1  
VA Lorton WDCJ \*88.1, "I thought it had been deleted. Gave up trying for years ago. Don't think they ever came on." To be run by the federal prison, and WJTM \*88.1 Frederick says it will not object to this station coming on, but WJTM plans to fight WMUC \*88.1 College Park MD. "We will get WMUC shut down, if it does not move to \*87.9," with WJTM to improve its directionality into Washington DC, while protecting WJHU \*88.1 Baltimore.  
On Air (Selected)  
MA Chatham WFCF 107.5, classical with some jazz, "definitely fine arts," S, with "terrible limiting; compresses the audio like a rock station."

**FCC-FM**  
 MI Ontonagon WONT 98.3 \$, k  
 PA Johnston WFRJ \*88.9 \$, g, Family  
 Stations—and probably all the WFRJ translators  
 in PA and eastern OH  
 PA Whiteville WLHI 107.1 g, not known if \$

**NonIDs, Not Just Slogans**

AZ Green Valley KFXH 92.1 92 K-Fox (strict), r  
 CA Hanford KMGX 103.7 X-104  
 CA Red Bluff KALF 95.7 no nonID; uses calls  
 frequently, "and seems to have retired 'Calif  
 Country' (but not k format)"  
 CA Tulare KBOS 94.9B-95 adds Fresno to its ID  
 ID Caldwell KCFM 107.1 C-107  
 ID Jerome KCFM 102.9 Z-103 (strict)  
 ID Twin Falls KLIH-FM 96.5 clicks-96 (strict)  
 IA Clarion KRIT 96.9 Super-97 (not strict), FCC  
 urges delay in granting station license because  
 of interference caused to KHB7 97.7 Hum-  
 boldt  
 KS Columbus KSSC 98.3 k, KS-98  
 KY Lexington WLAP-FM 94.5 Power-94.5 (from  
 FM-94.5) [Radio 94.5%+ any more  
 LA Lafayette KSMB 94.5 no nonID, no "Hit/  
 ME Augusta WYME-FM 92.3 92-Moose, r  
 ME Bath WIGY 105.9 no nonID (no Y-106)  
 ME Ellsworth-Bangor WMMJ 95.7 WMMJ (strict)  
 ME Saco WHYR 95.9 96-HYR (not FM-96, not  
 strict)

ME Sanford WCDQ 92.1 Classic Hits  
 MI Escanaba WGLQ 97.1 Magic-97 (from 97-  
 GLQ)  
 MI Ironwood WUPM 106.9 UPM (not strict)  
 MN St. Louis Park KJJO-FM 104.1 Hot Rockin'  
 104 (strict). Format has some mild sex talk,  
 especially in the morning  
 NM Santa Fe KSSS 97.3 Kiss-FM  
 KIVA 105.1 Power-105 (not Kee-Va)  
 OR Eugene KMGF 94.5 Magic-94 FM, nr; this  
 format change cost KMGF three translators  
 KZEL 96.1 96-FM  
 KPNW-FM 99.1 Lite 99 FM  
 OR Portland KYTE-FM 101.1 no nonID  
 TX College Station KTSR 92.1 Star 92, r ("adult  
 contemporary")  
 TX Mount Pleasant KPXI 100.7 X-100  
 TX San Antonio KSAQ 96.1 Super Q (strict),  
 and occasional references to 780 AM, with  
 AM call letters, KSJL, mentioned only near  
 the top of the hour—"KSJL and KSAQ San  
 Antonio" [Hits from K-Light]  
 UT Salt Lake City KLTO-FM 93.3 Classic/  
 VA Arlington WAVA 105.1 Power 105 (not  
 strict)

WA Bremerton KHIT 106.9 K-Hit occasionally  
 still in use, but more often saying Power-  
 106.9, but "always with call letters"  
 WA Seattle KPLZ 101.5 no nonID; always uses  
 call letters  
 ON Atikokan CBLA 90.5 CBC Radio for NW  
 Ontario (strict; never uses legal calls)  
 ON Dryden CBQH 100.9 CBC (strict)  
 ON Fort Frances CBQT 90.5 CBC  
 ON Nipigon CBQY 98.9 CBC  
 ON Wawa CBLJ 88.3 CBC  
 SK Saskatoon CFMC 95.1 C-95 (strict), r

**FM Mistakes, VUD**  
 AR Russellville KAIO 100.9 (not 10.9), Oct., p.  
 32, col. 2 (also Prototype FMedia p. 3, Col.  
 1)  
 ID Idaho Falls KEZF, Feb., p. 14, col. 1,  
 frequency missing—is 96.1  
 IL Granite City KWK 106.5 (not 1065), Feb.,  
 p. 13, col. 3 [32, col. 3]  
 OH Ashland WRDL \*88.9 (not "CR"), Oct., p./  
 Other FM mistakes are listed in FMedia/Corres-  
 ponding FCC-FM column in which mistake  
 may have occurred is one month later  
 See Also April VUD for  
 TN Greenville WIKQ 94.9 apparently r, Sittel,  
 p. 40  
 NL Monterey KHIL 101.3 \$, Pugh, p. 39

**KJJO Flirting with Howard Stern Sound-Alikes?**  
 A Review of the Magnum/Dynalab FT-101 FM Tuner  
 May, 1987

This Canadian-made tuner's outstanding virtue to DXers is its selectivity. For years, I have used as my main receiver a Fisher 500TX, bought new in 1969. The Fisher still works fine, thanks to excellent maintenance given it through the years by fellow WTFDA member John Ebeling. I stuck with the old Fisher, even though newer tuners and receivers have come and gone, mainly because of the old set's selectivity. Lately, I've had chance to become a dealer for Magnum, with the opportunity to test an FT-101. Why I decided to keep that tuner and use it as my main DX instrument is the subject of this article. My work with radios, tuners and receivers in connection with FM subcarrier modifications has given me an opportunity to compare a variety of them side by side with the old Fisher. Included in the group are Akai, Heathkit, Kenwood, Magnavox, Marantz, NAD, Panasonic, JCPenney, Pioneer, Project One, Raymer, Realistic, Revco, Rotel, Sansui, Sanyo, H. H. Scott, Sears Roebuck LXI Series, Sherwood, Sony, and Technics. Of course, I have not tested all models in those brands, and some of the finer tuners like Carver and McIntosh are missing from the list.

The FT-101's published specifications are interesting. Usable sensitivity is 8.8 dB or 1.5 microvolts mono, and 11.2 dB stereo. I don't know how that compares to the Carver, but I know that a weak signal will appear in stereo on this set sooner than it will on the Fisher. I find that feature helpful, not in listening, but just in identifying which stations have stereo (when they are weak) for my Atlas and FMedia! Selectivity alternate channel is 83 dB narrow, 50 dB wide, and this company actually prints the adjacent channel (200 kHz) selectivity figures: 8 dB wide, 20 dB narrow. I know the 20 dB figure is probably lower than for the McIntosh MR78, but for my purposes I find it entirely adequate.

Shortly after I got the FT-101, I learned about new call letters for Clinton IA 96.1. KLIO had been a mono gospel station, and I wanted to be able to learn if it had embraced stereo and changed formats. The FT-101 did its thing nicely, as it brought in KLIO (after a little patient fiddling with the antenna rotator and some waiting for the right conditions) clearly with ID and stereo indication. This is a station between powerful WJMC-FM 96.3 Rice Lake WI and WLKX 95.9 Forest Lake MN, both in the direction of Clinton, and impossible to tune in on the Fisher. I devised a switching system, so I could instantly compare the tuner sections of both. The audio from the Magnum tuner played through the Fisher's amplifier. The Magnum told me KLIO had stereo when the received signal was only slightly higher than the threshold for audio to be heard, and mono-stereo switching within the tuner was gentle.

It did slightly better than the Fisher on a sensitivity test, on KCTN 100.1 Garnaville IA, a DX frequency in the clear at the time. But that is comparing this tuner with a Fisher which had been recently peaked for top sensitivity by John Ebeling; I am not sure if the Magnum's sensitivity could be improved on by peaking.

The list price of this tuner has increased, but my catalog shows it at \$470 plus \$8 shipping. I believe I can obtain demonstrator units even cheaper for DXers, and possibly other dealers can, too, if you state that you want a demonstrator. Magnum assures me they do have demonstrators in stock. It is an expensive tuner, compared to those of the recent past, such as the highly touted Sony ST-5130, and possibly the Onkyo. The FT-101 will far outperform the ST-5130 on selectivity, but I do not know how it would compare with the Onkyo or Akai, which I know some DXers prefer.

It has the advantage of the older Akai in being analog tuned, but offering digital frequency readout. A club member who has one is Al Eilms, Brantford ON, and he has it



FT-101 Digital/Analog Reference FM Tuner

connected to a massive rotating antenna on a tower that looks like the Eiffel (or so it seems). "CKDS Hamilton with its rock-crushing 100 kw on 95.3, then Oshawa on 94.9 with 50 kw and on 95.1 Bristol Center NY with is 9½ kw, just barely heard if you fiddle with antenna and listen hard...So the unit is working, and is accurate as to frequency—something not all digital equipment can claim." The digital numerals are large, green and easy to read, going up in increments of 95.3, 95.4, 95.5, etc. Three big meters occupy the front panel—multipath (which I find of no value here in northern Minnesota; it's almost always at zero), center tuning and signal strength. The meters and dial display are always on; it would have been nice if they'd been equipped with a switch to turn them off, like my Panasonic shortwave radio has. This would save on light bulbs and LEDs. One panel light burned out, and a replacement quickly sent, along with directions how to make the installation. Since the set is under warranty, I am sure the company would allow return shipping for such a job, if the user were not technically capable of soldering in a new light.

My criticism of this tuner includes its relatively poor spurious signal rejection. It may actually be worse than the old Fisher, and not as good as the Sony ST-5130. Image rejection is given at 75 dB, not the 90 to 100 dB claimed in state-of-the-art tuners of today. This is something Magnum should give attention to in the future as it upgrades its line. The tuner is best used by DXers in congested metropolitan or rural areas, not those living close to local antenna farms. The digital readout of station frequencies is fine, but for normal listening, a station memory system would be nice, with, say, a dozen presets. One thing I like about the old Fisher 500TX is that it has four FM presets, plus complete analog handling of station dialing. A possibility for making tuning easier on the Magnum would be a smaller tuning knob. Then a person could dial across the band quicker; it's something that I may change.

Finally, from a service standpoint, the owner's manual is very sketchy, talking more about FM reception and antennae than about the tuner itself. A block diagram is

**FCC-FM**  
 included, but no schematic, unlike H. H. Scott, which supplies a complete schematic with the tuners they sell. I have asked for a schematic, and never received one. I guess the company is concerned about people copying the circuit, which looks like it has relatively few components, as you can tell after removing the cover and looking at the spacious, but well-laid-out interior. Curiously, the resistors, capacitors, etc. are not numbered on the circuit board, and to remove the circuit board takes an unusual Canadian screw driver, that is somewhere between the slot blade and the Phillips head in its configuration. Magnum sent me a very nice screwdriver set so that I could get into their equipment better, but I know this could be a problem to people in this country who had to repair such equipment.

Remember this is an FM-only tuner, no AM included, and on its back it has two pairs of output jacks, one high level and one low level. Thus, you should be able to play it into any kind of amplifier. Antenna input is a 75-ohms jack, with balun supplied. I added to the front panel a headphone jack, so that I can take it on DXpeditions without having to use an amplifier and speakers. My next project will be a stereo volume control to attenuate the volume of the jack, since there is plenty of volume, and no headphone jack amplifier would be needed. Both the front and rear panels have space for adding jacks and extra switches, but it is made of tough steel, and you need really sharp drills to go through the material! That also says something of the quality construction of this unit. Front panel controls include selectivity wide and narrow, AFC on off, stereo-mono, muting on-off, and power on-off. The switches all look like Radio Shack's black bat-handle switches, so when I installed two extra switches, I went to the Shack and bought ones that matched.

DXers would do well to consider the Magnum/Dynalab FT-101 tuner. I expect to have mine on hand during the convention, and if other DXers bring their tuners or receivers along, we can try some side-by-side comparison testing.

**Baltimore-Washington**

Here's Gus Mancuso's contribution, the latest in a series of FM station histories from different cities.

| 1965  |         | 1975    |         | 1985    |               |
|-------|---------|---------|---------|---------|---------------|
| 92.3  | WSID-FM | WLPL    |         | WYST-FM |               |
| 93.1  | WRFM    | WPOC    |         | WPOC    |               |
| 93.9  | WRCM    | WKYS    |         | WKYS    |               |
| 94.7  | WJMD    |         |         | WLTT    |               |
| 95.1  | WRBS    |         |         | WRBS    |               |
| 95.5  | WPGC-FM |         |         | WCLY    |               |
| 95.9  | XX      | WISZ-FM |         | WWIN-FM |               |
| 96.3  | WTOP-FM | WHUR    |         | WHUR    |               |
| 97.1  | WASH    |         |         | WASH    |               |
| 97.9  | WBAL-FM |         | WIYY    | WIYY    |               |
| 98.7  | WOL-FM  | WMOD    | WMZQ    | WMZQ    |               |
| 99.1  | WNAV-FM |         |         | WHFS    |               |
| 99.5  | WGAY-FM | WGAY    | WGAY-FM | WGAY    |               |
| 100.3 | WFAN    |         | WOOK    | WOJY    |               |
| 100.7 | WTR-FM  |         |         | WGRX    |               |
| 101.1 | WWDC-FM |         |         | WWDC-FM |               |
| 101.9 | WAQE-FM | WTOW    | WLIF    | WLIF    |               |
| 102.3 | WHFS    |         |         | WMMJ    |               |
| 102.7 | WCAO-FM |         |         | WXYV    |               |
| 103.5 | WGMS-FM |         |         | WGMS-FM |               |
| 104.1 | XX      | WSMD-FM |         | WXTR-FM |               |
| 104.3 | WTH-FM  |         | WDJQ    | WTH-FM  |               |
| 105.1 | WAVA-FM |         |         | WBSB    |               |
| 105.7 | WCBC    | WKTK    |         | WAVA    |               |
| 105.9 | WXRA    |         | WVKX    | WQSR    |               |
| 106.5 | WCBM-FM | WMAR    | WRLX    | WPXK-FM | WCXR-FM, WCXR |
| 106.7 | XX      | WEZR    |         | WMAR    | WMKR, WMMX    |
| 107.3 | WMAL-FM |         |         | WBWW    |               |
| 107.9 | WANN-FM |         |         | WROX    | WROX          |
|       |         |         |         | WFSI    | WFSI          |

Note: stations on 105.1, 105.9 and 106.7 are in northern Virginia; all others are licensed to Maryland or the District of Columbia. [I have record of WWIN-FM Baltimore 94.7, verified in about 1951; anybody with any earlier information on this market, please come forward with it—b.e.]

Gus says "feel free to add any omissions; this list mostly from old White's Radio Logs and memory. WAVA-FM was WARL in 1950s; others probal ly different, too, as WTOP-AM was WJVS in old days. Very few changes 88-92 band, contrasting with New York city. Programming changes on these stations could take pages to fill. Example: 106.5 (MDR to b, to pop, to new wave top 40 to easy-listening). Note: WGAY (FM), AM was WQMR for a few years; in mid 70s AM was sold and became WNTR. 102.3 (as WHFS) called self "home grown"; only FM in DC never affiliated with an AM." [What about WASH 97.1; it was never affiliated with an AM, was it?—b.e.]

Also checking the above was Hank Holbrook, who found no problems with the listing. Hank would like the Atlas to include address, as the NRC does with its BCB log. "Broadcasting [Yearbook] now so expensive—I get it about once every 3 or 4 years and usually when I hear a new station I have to call long distance to get the address!" I have the '87 BY, and anybody can get an address from me by sending a reply postcard. Another source of addresses is being developed by Pete Nolan. His "Street Daybook" is \$55 from the M Street Database, PO Box 16353, Alexandria VA 22302, (703) 379-4275. I am not sure if there is a discount for DXers, but you might want to write and ask. This source will be listing, in computer printout form, such information as call letters, frequency, power, address, pending applications, on-air slogans, telephone numbers.

Supplying much of the stereo and other station news was Frank Merrill, who had a chance to go through his notes from a trip he took to AK and Northwest Territories.

**May, 1987**

AM not on way out. Eric Buemann again comes through in defense of the older aural medium: "Dr. Elving is wrong about AM's decline Nationwide, I feel that FM will begin its decline toward the 50% plateau before the 1980s are out. FM: is at its peak right now, which leads me to say that Dr. Elving shouldn't have had his anti-AM article printed in Radio World at all!" If what Eric says is true, I am glad I lived now and enjoyed a taste of nirvana in this world, because the future to those of us who like FM looks bleak indeed! Anyway, he sent a bunch of station news from his area, including the first reported hearing of WRTF \*89.5 Catoctin Ly any living human being.

Nick Lombardi sampled some of the print literature and sent an ad about Dick Sequerra offering an FM-FM-SCA-AM-stereo receiver, the Sequerra Model II (write to R. Sequerra Assoc. Ltd., 15-26 215th St., Bayside NY 11360). I wrote that address almost a month ago and heard nothing; I wonder if this ad, which was in the "Absolute Sound," is a ploy to try to discern if there is any interest in outlandishly expensive FM equipment? He also sent copies of mentions of my Atlas in Audio Amateur and FMedia in Popular Communications. He reports that WVEV \*91.5 Cumming GA is going strong with their 8800 h.v. directional signal in \$, at 25+ miles. I had confused that station with WMVV \*90.7 McDonough, when I asked him to check which was on the air. He says WVEV not on, even at low power, "phone disconnected. I don't think they ever operated at anything close to full power."

Walt Breville sent a humorous article on the future of AM, saying "I think AM will recover. Not only because of my bias coming with enjoying AM DX, but simply the problems of FM reception in automobiles. I do grant that FM stereo is far superior to any AM reception in the home, especially using my Carver TX-11 tuner to clear up the multipath problems that distort signals from nearby transmitters, but in my car driving around, I find the noise bursts and muddy harsh mashing of the music as I drive by hills and high rise buildings so bad that I switch my Ford Escort's factory AM-FM stereo over to AM and enjoy music, even though most of the treble notes are removed and it's no longer stereo. Maybe if I replace it with a digitally tuned car stereo that has stronger action against multipath distortion I might develop a better attitude for FM. Right now, I'm looking at quite a few car stereos, reading test reports in the magazines, such as Audio, High Fidelity, Stereo Review, dreaming of a rig with good sound with minimum noise and yet a good DX machine on both AM and FM, one that receives FM stations without noise even in mono at much better than 30 miles from strong high transmission towers." I'd think Walt's criteria would not be difficult to attain; and with his local stations about to transmit from the local cemetery tower, his multipath situation should be cleared up. Some high points of the article include the carving up of the former United States into new territories. For example, OR goes to Korea, with HLKEX the main station. Mexico takes back its former territories, and XEBAP Fort Worth and XEKDA Denver are the main AM stations. Now you guess what country would be running the territories with these main stations: CHITX and CMWVW New Orleans, 4VAPE Jacksonville, while CBV relays are established on 830 in Minneapolis, 710 Duluth and 570 Yankton. Japan, which takes over CA, could change KFI's calls to JOKFI.

Alan Almond is out at WCSX (formerly WJMC 94.7) Birmingham AL, but nobody knows (or cares?) where. "This station changed supposedly because a former DJ team could not be returned from a Chicago station," says

Robert Grant. "This is the worst excuse for a format change I have ever heard—first, personalities have proven to be relatively unimportant to a/c stations; and second, they should have tried to develop new air talent. Also, I could not imagine a worse choice for a format change in this market. There are now (including WCSX) five stations in the area with rock-era oldies as the base of their format, whereas three years ago there was only one. As an rp-oriented station, it faces more competition than a 'hit' oldies station would and the 94.7 dial setting is almost the 'pop' neighborhood of the FM dial (WNTM, WLTI, CKLW-FM, WCSX, WCZY, WHY?). If I were a p-d, this would be either top-40 or all news. RG projection: WCSX summer '87 ratings to be less than 2.0...

"As for Eric Bueneman's comments (Big AM Comeback), I think he offers optimism without any logical explanation. It's all down from here (barring a miracle), but I am sure that even at the worst, AM will still be around in 2000 as a religion and propaganda band that almost nobody will care about, much like the IBC bands today (I doubt that the band will be realloted).

"If AM does 'die', it will have died the same way John F. Kennedy and Martin Luther King did, murdered by bullets fired in the 1960s (considering anti-steroid and anti-night rules as 'bullets'). The NRSC voluntary standard is a disaster. It is neither a good long distance system nor a high fidelity system—nor a compromise—the result is as much interference as hi-fi and sounds about the same as 5 kHz low-interference. I make my statement based on the nature of interference in the field and the acoustic physics of the air in the human ear canal. When you were at the WTFDA convention last year, you briefly saw my MFFM draft, and mistook it for an idea to reallocate the ILS band to broadcasting. False, the numbers from 108.1-131.3 are 'dial-settings' much like channels on TV." As I understand his proposal, AM would be the same band but propagated at different angles to minimize interference between stations, and numbers would read in channels like 108.1 to 131.3 to give people the idea that the AM stations found thereon were FM stations, and I suppose people's tuning dials would be continuous to help achieve this deception.

John Jefferson helps to answer my question following reader W. R. McIntosh's claim (March VUD, p. 10) that a few years ago there were many commercial classical music stations in L. A. "In 1960, they were KFMU 97.1 (Heritage network) and KCBH 98.7 Beverly Hills. The latter was cb or cm, with serious classics about 3/4 of the day, and non-classical otherwise. As for claims KFAC-FM has degenerated, that hardly seems possible! In 1960, Carl Princi stoutly defended their policy of continuing a symphony from one day to the next because it wouldn't fit his 1/2-hour AM-FM stereo program. (Anyone for cutting the Mona Lisa into enveloped-size pieces so she can be shipped easier?) Their daytime programs were all of the 1/2- or even 3/4-hour variety. With 1 minute of theme fore and aft, a couple minutes of commercials, and a couple PSAs, you figure out how many serious classics they worked into the 1/2-hour segments! It should be noted that KFAC apparently did improve notably after KFMU and KCBH (and I) departed; it sounds like they've now reverted to the bad old ways. After several visits to southern California, I earnestly urge classical fans in LA to get a good tuner and antenna and go after KFSO 94.1 San Diego and KDB-FM 93.7 Santa Barbara. I'd happily trade KHHI-FM 95.7, KDFC 102.1 and KOED-FM 88.5 for either."

Dave Nieman sent a copy of the "MAF" TV-FM DX bulletin from Spain. Some of that

kind of stuff I will have here at the convention for people to pick up, read, and take home if they're interested. Others who come are encouraged to bring reading material to share or exchange.

Keith Pugh receives the WBQM 91.7 Decatur AL translator on 106.3 in Huntsville. "I can only get it on my car radio down the road from my house. Tried for it on my beam at home, but can't pull it in over WBTG Sheffield." That probably means the translator is vertically polarized, while Keith's beam is horizontal. He hopes soon to install a Stereo Probe 9 for DXing atop a CM rotor. "It'll be nice to DX without having to run out to aim that Archer 6-element."

W. R. McIntosh sent a bunch of goodies, and says that KUSC #91.5 now IDs as: KUSC Los Angeles 91.5 . . . . . KSCA Santa Barbara 88.7. . . . . KCPB Thousand Oaks 91.1 FM. Included were or was the Radio-TV highlights from the LA Times, and an article on Taft broadcasting being bought by the founder's son, Dudley S. Taft. Taft holdings include 12 TV, eight AM and nine FM stations, including CA's KOVR Sacramento. Sale is for \$1.34 billion cash. A People-type article was included about Ruth Hirschman, building quite a power base as the manager of KCRW #89.5 in Monica. She's from New York, and even reads the NY Times on a daily show. She has "become a major power in public



Hirschman reads New York Times on KCRW (FM)

broadcasting, earning a reputation as a low-key but effective lobbyist. Two years ago, she rallied other stations around the country to save the weekend version of NPR's 'All Things Considered' from the budgetary ax... Just three years ago, KUSC was the undisputed leader among public radio stations in southern California. Today, KCRW is quickly closing the audience gap and is way out ahead in fundraising. Recently, KUSC took in \$210,000 in pledges in a week's time; KCRW brought in \$595,000 over 10 days." Divorced from Jack in the 1970s, one of her two children, David, 26, died in her arms five years ago of leukemia. "For someone to die in the middle of their youth is extraordinarily painful. That's not to be worn as a badge. But it does become part of your soul. It's not to be discounted. It's not to be highlighted, but it does become part of your life. Everything you do is touched by it."

Mc also sent a critical article on KTWV 94.7, "The Wave," and some letters to the editor about it, including this from Barry Cockeram, Northridge: "It is unclear how anyone could feel that a Muzak station (KTWV, The Wave) could replace a music (KMET) on 94.7 FM. Maybe it's a setup, like the Coca-Cola

strategy against Pepsi. Within four months, the consensus should be in, that KTWV is unlistenable. KMET can then return to the air as 'K-Met-Classic.'" A final article Mic sent is on "shock radio," the kind of thing Howard Stern is doing on WXRK 92.3 New York and Bob and Tom are doing on WFQQ Indianapolis. Other d-j's going in for sex talk (some call it "humor") are Carolyn Fox, WHY Providence RI (one of the few women doing it), and J. C. Corcoran, who was fired by KSHE Crestwood-St. Louis MO. His firing said to be more a matter of a contractual dispute than management's not liking his on-air style. "To work with someone like J. C. you have to be ready for the experience of a lifetime, said KSHE manager John Beck, "but we were very very supportive of him. We believe in radio that's controversial—that's what makes it exciting. I can remember where J. C. played around with a news item about a priest who had been charged with molesting young boys, which raised a big ruckus in a town like ours, which has a big Catholic population. But I thought his material was hilarious, even if it was tasteless... We never reprimanded him, even when our own station owner was upset about certain jokes." Meanwhile DIR broadcasting has stopped syndicating the Howard Stern show, claiming poor sales, but critics are pointing to problems with anti-pornography groups and an FCC about to censure such broadcasters, under pressure from the religious right, many of whom have supported financially the Reagan administration.

John Ebeling: "I see the Adolph post office burned a few weeks ago. I supposed as an interim measure your mail addressed to Adolph is being routed to Duluth." Not quite, it was sent to Proctor for a while, now goes into locked boxes outside the former Adolph store, which will be rebuilt. And John sent quite a long article on dissent at KMOJ #89.9 Minneapolis, where the board led Jeanette Cotton go. Cotton virtually started the gospel,

for call letters. Their official call letters are CJSD-FM, but they never use those letters on the air, just 94-FM. Their studio is co-located with CKPR-AM. I find it pointless to bug them about this. After all, what's the difference between using a bunch of letters or a slogan anyway. Nevertheless, they could use something more imaginative than 94-FM, maybe "Thunder Radio" or something else that would make ID easier. As long as the location or some other identifying factor is given, I don't see why DXers should have any problem with nonIDs. CBQ 800 does use its call letters, but does not mention the calls of its FM relay CBQY, CBLA and CBCH. They all ID as "CBQ Radio." CBQX 98.7 Kenora and its relays CBOS, CBOT, CBQH, CBOL, CBON, CBOP, CBQA, CBQU and CBQV ID as "CBC Northwestern Ontario." CBQJ 96.1 Timmins and its relays ID as "CBC Radio 96.1 Timmins", although programming originates from CBCS Sudbury.



Jeanette Cotton

jazz, blues and soul station, but came at odds with the station's board. She saw it grow from a 10-watt to 1000-w station and embrace stereo. Cotton said she is unemployed, "although she does psychic readings and is trying to put together a new business she wouldn't describe for fear of harassment by opponents in the KMOJ dispute."

William R. Hepburn sent a map showing new place names in Canada, which will be in the next "FM Atlas." He writes: "I do the wx broadcasts on 94-FM (aka CJSD) Thunder Bay every other day or so. When I answer the phone they usually say this is CKPR-FM calling for the weather. Almost all of the DJs do this, so much

Now I have space for one more dial history, this one from FR.

Portland (OR) FM History Compiled by John M. Adams

| 1951          | 1961    | 1971   | 1981              | 1987     |
|---------------|---------|--------|-------------------|----------|
| 89.1 XX       | XX      | XX     | XX                | *KMHD    |
| 89.3 XX       | *KRRC   | *KRRC  | XX                | XX       |
| 89.9 XX       | XX      | XX     | XX                | *KBS-FM  |
| 90.7 XX       | XX      | XX     | XX                | *WGO     |
| 91.5 XX       | XX      | XX     | XX                | *KOAP-FM |
| 92.3 KX-FM    | XX      | XX     | KGON              | KGON     |
| 93.7 XX       | XX      | XX     | KPDQ-FM           | KPDQ-FM  |
| 95.5 KWJ-FM   | KGMG    | KXL-FM | KXLF-FM           | KXL-FM   |
| 97.1 KPFM     | KPAM-FM | XX     | KCNR <sup>1</sup> | KUPL-FM  |
| 98.5 XX       | XX      | XX     | KPOK-FM           | KUPL-FM  |
| 99.5 XX       | XX      | XX     | KJIB              | KWJ-FM   |
| 100.3 XX      | KQFM    | XX     | XX                | KKRZ     |
| 101.1 KOIN-FM | XX      | XX     | KLLB <sup>2</sup> | KYTE-FM  |
| 101.9 XX      | XX      | KINK   | XX                | KINK     |
| 103.3 XX      | XX      | XX     | XX                | KKW      |
| 106.7 XX      | XX      | XX     | KMJK <sup>3</sup> | KMJK     |
| 107.5 XX      | XX      | XX     | *KRRC             | *KRRC    |

<sup>1</sup>KCNR-FM early '80s. <sup>2</sup>KYTE-FM early '70s; KRCC in mid-80s. <sup>3</sup>KQIV mid '70s; KMJK-FM mid-80s.

Main reference: Oregon Blue Book, 1951-52, 1961-62, 1971-72, 1981-82.

Jupiter FL 96.7 has "probably" had more call changes in the past several years than any other station, claims Eric Fades. He points out, since 1980, its going from WCEZ to WWSI, WKTO, WIXI and WKSX, five sets of calls in seven years! Anyone wanna challenge that record? And Eric sent in some connections to the Miami station formats, reported this month and last. He also analyzed Billboard's Hot 100 and "urban" playlists, so that fine tuning of various stations with s, r, sr, or rs could be done. Pete Nolan comments on the same thing, centered on KPWR 105.9 Los Angeles. "Part of the confusion deals with rather arcane arguments over chart methodology, but the upshot is that KPWR is trying to avoid the 'stigma' of being labelled a station that plays black music (even though that's precisely what it does), fearing that such an image drives away potential advertisers. This is one of the few cases where R & R magazine is actually showing some backbone rather than caving into a broadcaster's attempt to distort reality (though Billboard's already given up the fight, and R&R is publications like Broadcasting Yearbook and SRDS—which hundreds do—in order to fool advertisers and agencies who don't look at their ratings books carefully into thinking the station has a more 'attractive' audience. The difference is that instead of being agist (in the case of CHR vs. AC) this time the station is racist. KPWR also refuses ads for black-oriented products (e.g., discos or hair care products) that run on other L. A. stations (including ones that aren't particularly black-oriented)." Pete thus provides a major reason why this publication should try to avoid stations' self-descriptions of formats, since they can be intentionally inaccurate.

Ralph Strobel sent a tape of several low-powered educational FM stations he's received, as well as some recent skip. Some of the slogan info is given in this column. Andy Bolin wrote him that Kankakee 92.7 is real strong, and I just checked BY '87 and WLRT's listed as having stereo.

This kid is Charlie Henneman, student station manager of WRUR\*88.5 Rochester NY, still about 17, not yet having moved to 20 kw, for which they've had a permit for years. Jeff Kruska, a U of R alum, sent this: Washington DC ratings: WKYS 93.9 tied with WMAL AM; then WGAY 99.5, WAVA 105.1, WHUR 96.3, WMZQ 98.7, WWDC-FM 101.1, WDJY 100.3, WTOP AM, WLTT 94.7, and so on. Piece that into the DC station history given a couple pages ago.

Tim Benko is one of those who filled in the missing pieces on my NY FM dial history, presented by Richard E. Berg-Anderson. The missing NBC news calls were WNNW. "All the NBC O&O FMs were chosen to run the ill-fated format, except WJIB Boston and WKYS-FM Washington DC. Since NBC at the time of the inception of the format also owned WRC AM Washington DC, which was an all-news station, it would have been foolish to put it on their O&O FM station there. And, since CBS had WEEI AM in Boston running all-news (as is standard with all CBS O&O AM stations), they probably would have lost their shirts in 'Bean Town' as well." NBC's News and Information Service FM stations, in 1975, were WNNW 97.1 New York, WNIS 101.1 Chicago and KNBR-FM 99.7 San Francisco.

"Not being a fan of all-news radio, I ignored WNNW FM Chicago with pleasure; After they found out they couldn't make any money with the format, NBC then changed all of the O&O FMs to their current call letters," as stations like WNIS evolved into WKOX, now "Q-101" with a "CHR format and also an adult-contemporary format," and off the automation kick, having dropped all-night automation some 1 1/2 years ago. Their AM, known as WMAO, dropped its country format and is all talk, except midnight to 5 a. m. The current WNNW is an AM in Miami FL, its WFUN calls having gone to an AM in Astabula OH.

Newark NJ-New York city  
 Tim mentions also that "Z-95" in Chicago and "Z-100" got WNTZ and WHTZ in trouble with Zenith Electronics, and both stations had to redesign their logos. "There's a 'Z-95' logo on the cover of the March, 1987, VUD; check it out."

Dave Nieman sent an article on Buffalo radio stations generating big profits for owners. Sales prices for Buffalo stations have not been as high as in comparably-sized markets because Buffalo is not a growth area, and the article dwells on format changes at 96.9 and 98.5 Buffalo in recent years, along with their call letters' changes.

Finally, Phil Boasma sent an article on a new FM station on 92.7 to be licensed to Saugatuck MI, which will be "beach-oriented," serving Holland. Phil muses that the "format will be some kind of rock."

More details on Natalie McClendon's "Go Public, the traveler's guide to non-commercial radio" (see VUD April, p. 12). Buy a copy at \$12.95 plus \$2 shipping from Wakerobin Communications, 811 N. 26 St., Lincoln NE 68503; it has maps and is over 200 pp. full of detail; quite an attractive publication.

731y, *[Signature]*

# NORTHERN FM-DX

Joseph Fela  
150 Robert Place  
So. Plainfield, N.J. 07080  
1-201-755-3852

MAY 1987

Deadline: 8th of the month

A good showing this month for reports, especially when one considers that there hasn't been any really good openings so far this Spring. There were a few minor coastal trop openings in late March but then the rain and colder temperatures returned.

DAVE NIEMAN - AKRON, NEW YORK - 14001-9529

Equipment: unchanged. All stations are new.

MARCH 1987

16 Tr  
0906 WSCP 101.7 NY Pulaski, call into nx  
and wx, \$ (WBTF having problems) 116  
17 Tr  
1132 WAYZ 101.5 PA Waynesboro, call, k\$ 227

MARCH 1987

26 GW  
0859 CIRV 88.7 ON Toronto, ID, e mono,  
"SERV INTERNATIONAL" 64  
0954 CIDC 103.5 ON Orangeville, ID,  
(TESTING) "DC-103" 106

Little to report this time. I haven't heard any of the morning trop buildups that are common this time of year. The new station in Orangeville, Ontario that's testing was not expected. I've been checking more for the new one in Toronto on 97.3. CIDC plans full operation by late April (around Easter). But they have been playing music and running an ID about every 15 minutes 24 hours a day since I first heard them. So they are out there if anyone can hear them.  
Dave.

BILL NOLLMAN - BOX 184 - RFD #1 - BOZRAH, CT. - 06334

Equipment: Carver TX-11A tuner, Realistic STA-740 receiver,  
Channel Master Stereo Probe 9 antenna 33 feet above  
ground mounted on CM 10' Tripod, with CM HD9515 Heavy Duty Rotor.

FEBRUARY 1987

25 Tr  
2110 WCFR 93.5 VT Springfield 125  
26 Tr  
1538 WBPM 94.3 NY Kingston 100  
1550 CJFM 94.3 PQ Montreal 290  
1553 CFMO 93.9 ON Ottawa NEW PROVINCE!! 325  
1632 WHYR 93.5 ME Saco 160  
27 Tr  
1640 WHRL 103.1 NY Albany, "STEREO 103" 120

MARCH 1987

1 Tr  
2033 WQCB 106.5 ME Brewer, "Q-106.5" 275  
2144 WSCB 89.9 MA Springfield 50  
6 Tr  
1636 WSCG 93.5 NY Corinth 150  
1647 WIBQ 93.5 NY Remsen 195  
1715 WFMZ 100.7 PA Allentown 190  
7 GW/Tr  
2016 WFAL 101.1 MA Falmouth 80  
9 Tr or MS

0048 WBYR 107.7 NY Wethersfield, "Buffalo's Bear" - not sure if MS or Tr.  
(If it lasted several minutes with a reasonably steady signal, Tr. MS bursts are generally quite short. On very long MS bursts, the signal is very fady/unstable. Hope this helps -jf) 375

9 MS

1210 WSHW 99.7 IN Frankfort  
"...from SHINE 9..." 750  
9 Tr  
1300 WKGL 92.7 NY Middletown, "92ROCK7" 120

Another super month of discovering the power of my Carver. Still nothing that can be considered amazing tropes though I'm not unhappy with what I've heard so far. It is amazing how little I ever used to get to the north before. Now Maine, New York State, and Vermont are nearly regular nightly reception! With this report I have finally heard a station on every frequency with 103.1, 105.3, and 97.9 being the last three. I assume that hearing "Buffalo's Bear" I had WBYR, the mode is what puzzles me...  
->->->-> CONTINUED ->->->->

30

NORTHERN FM DX

MAY 1987

(Bill Nollman's report, continued...)

I have had WBYR by MS. That I was sure of but WUWU I'm not sure of. SHINE 99 was caught by having a tape recording all the time I'm listening. The trop of 3/21 and 3/22 was funny because I was listening for MS both times and ended up with tropes instead! WFCC surprised me. I was lucky enough to hear their official commencement ceremony and even had a tape running which all are welcome to as noted above. Also, I have assembled an ID tape of skip and nearly all my locals. It was made mainly for Matt Sittel but if anyone else would like a copy send out a 90 minute tape and one dollar for return postage and I'll be glad to dub off a copy. All of the receptions from the past month were with the \$ Probe 9 at 23 feet above ground. On 3/23 I dared 50 mph winds and put up the tripod and the probe 9 now were at 33 feet and the difference is easy to hear! All locals and semis are much better receptions, luckily not to a point to bother the Carver. Weak stations are much more noticeable. NYC FMs are always there. WJUL is evidence of the new height. And WEQX, my personal Vermont favorite which never was much stronger than the noise was in real good last night. WRCN on 103.9 which could never break the overload from WERI-103.7 now can be listened to rather good!!! By the way, WERI is now "WRX" (WVRX) playing a mix of hard rock and oldies.

SCOTT M. HOOD - 7 AUBURN ROAD - BEVERLY, MA. - 01915-2501

SEPTEMBER 1986

We 10 Tr  
2030 WCB3 101.1 NY New York 205  
Th 18 Tr  
0015 {WCDQ} 92.1 ME Sanford 63  
Fr 19 Tr  
1955 WCB3 101.1 NY New York 205  
Su 21 Tr  
2030 WCB3 101.1 NY New York 205  
We 24 Es  
1855 WRMF 97.9 FL Palm Beach 1300  
1905 WEDRt 99.1 FL Miami 1375  
OCTOBER 1986  
Sa 11 Tr  
1945 WQVR 100.1 MA Southbridge  
(ditto Su 12 at 1850) 68  
2015 WHDQ 106.1 NH Claremont, "Q-106" 95  
Mo 20 Tr  
0725 WDRC 102.9 CT Hartford {oldies}  
"THE BIG D, 103" 106

DECEMBER 1986

We 24 Tr  
1600 WALK 97.5 NY Patchogue 170

JANUARY 1987

Sa 3 Es  
2110 WJMI 99.7 MS Jackson 1350  
2120 WGGZ 98.1 LA Baton Rouge  
"An American Original, Z-98" 1475  
2120 WYNK 101.5 LA Baton Rouge, k 1475  
Fr 30 Tr  
2000 WPXC 102.9 MA Hyannis, AOR  
"PIXIY-103", 1st day was Jan 9 69

FEBRUARY 1987

Fr 27 GW  
(at Logan Airport, Boston)  
1505 WFAL 101.1 MA Falmouth, "101-FM", AC  
MARCH 1987  
Su 1 Tr  
2040 WFAL 101.1 MA Falmouth 71  
Su 22 GW  
0945 {WVRX} 103.7 RI Westerly, AOR,  
"103.7, WRX" 93

Tu 24 GW  
0730 WFCC 107.5 MA Chatham 75

wprb

BOX 342, PRINCETON, N. J. 08540

COMMENTS: Not much been happening in this neck of the woods. Other than the Es opening in early January (MS induced?), the most excitement around here has been the new Cape Cod stations signing-on (Need more excitement? A 102.3 for Cape Cod is in the works and there may be still another one after that, perhaps on 93.9 -jf).

Incidentally, those three September loggings of WCBS are not typical. Normally, when a southern duct (NYC, Philly, southern NJ, MD, etc.) is blossoming, WHTZ and WCBS are almost always the first to show up - like a DX barometer (even if NYC is not otherwise part of the duct), competing with semi-locals WHEB and WGIR (down in Franklin, WKDN-106.9 NJ was the indicator of serious DX). But most of last spring, summer, and the first part of the fall, WGIR appeared to be at greatly reduced power, thus allowing WCBS to poke through when it normally wouldn't. That's all from here.  
73's, Scott

WILLIAM R. HEPBURN - #18-62 WALKOVER ST. - THUNDER BAY, ON. - P7B 1L2

Equipment: Rcvr - JVC-R-330V. Antenna - indoor dipoles, 3rd floor, Archer in-line amps.

S = signal strength in db. ->All times EST<-

NOVEMBER 1986

28 MS  
1901 KICT 95.1 KS Wichita (tentative)  
(garbled calls u/KQDS-94.9 Duluth)

DECEMBER 1986

01 Tr  
1933 WMFG 106.3 MN Hibbing 180  
13 MS  
2018 unID-107.7 S-35!  
(strongest burst heard ever)  
2256 WFMB 104.5 IL Springfield, S-10 590  
2332 KKYK 103.7 AR Little Rock  
(tent. - "??YK")  
2336 unID-103.7 "Kicks-103" (KKYK ?)  
2346 KPXI 100.7 TX Mt. Pleasant, S-10  
("K-100" lite r/atl hit mx)

DECEMBER 14 GW

1135 unID-91.9, S-55, pirate? EE trans-  
lation over ethnic language. Church  
sermon - suddenly disappeared @ 1221

JANUARY 1987

01 MS  
1257 KZNA 90.5 KS Hill City (tent.)  
"S. Ford St. in Garden City"  
(does KZNA relay KANZ 91.5?)

MARCH 1987

05 Tr  
2209 KEEZ 99.1 MN Mankato, S-15, Z-99 365  
2238 KYSM 103.5 MN Mankato, S-20 365  
2307 KFMC 106.5 MN Fairmont, S-20  
("FM-106" Cont-hit radio) 415

1095 31

->->-> CONTINUED ->->->

0500 KRES 104.7 MO Moberly 640  
COMMENTS: It's a slow time of year so I figured I'd send in my FM-DX report albeit its small size. I have stopped logging any relogs under 315 miles (the apparent max GW horizon). The Minneapolis stations are actually becoming pests, hi. I came to Thunder Bay in Sept 86 for a supposed 1 year term, but it now appears I may be headed for Kingston. C-U-4-Now, Bill.

RALPH STROBEL - 106 E. DAVIDSON ST. - MUNCIE, IN. - 47303  
Equipment: McIntosh MR-78 tuner, CM Stereo Probe 9 antenna @ 37 ft. w/rotor  
OCTOBER 1986 (at old location)

|                                       |       |    |  |      |
|---------------------------------------|-------|----|--|------|
| 1 MS                                  |       |    |  |      |
| 0859 KENW                             | 89.5  | NM | Portales, prev. Es                       | 1120 |
| 6 MS                                  |       |    |  |      |
| 2339 WHOT                             | 101.1 | OH | Youngstown, prev. Tr                     | 250  |
| 8 MS                                  |       |    |  |      |
| 0012 KZBS                             | 98.9  | OK | Oklahoma City                            | 780  |
| 17 MS                                 |       |    |  |      |
| 0133 WKLX                             | 98.9  | NY | Rochester                                |      |
| (see MS results at end of report)     |       |    |  | 500  |
| NOVEMBER 1986 (New location w/dipole) |       |    |  |      |
| 28 Tr                                 |       |    |  |      |
| 1800 WKOC                             | 89.7  | IL | Kankakee, g\$,<br>Ex-10 watts on 88.3    | 150  |
| DECEMBER 1986 (w/TV antenna)          |       |    |  |      |
| 5 Tr                                  |       |    |  |      |
| 1548 WCVK                             | 90.7  | KY | Bowling Green,<br>g\$, o/WGLE            | 250  |
| 2000 WNFA                             | 88.3  | MI | Port Huron                               | 220  |
| 7 MS                                  |       |    |  |      |
| 0227 KVNE                             | 89.5  | TX | Tyler, prev. Es                          | 810  |
| 12 MS                                 |       |    |  |      |
| 0156 WHRO                             | 89.5  | VA | Norfolk                                  | 550  |
| 0855 WUNYt                            | 89.5  | NY | Utica                                    | 550  |
| 0859 KHKE                             | 89.5  | IA | Cedar Falls, prev.Tr                     | 410  |
| 18 MS (W/Stereo Probe 9 antenna)      |       |    |  |      |
| 0837 KVNE                             | 89.5  | TX | Tyler                                    | 810  |
| 21 Es                                 |       |    |  |      |
| 1810 KKLS                             | 93.9  | SD | Rapid City, ad                           | 990  |
| 22 Tr                                 |       |    |  |      |
| 0100 WZRO                             | 98.3  | IL | Farmer City<br>k\$, o/WXIR               | 180  |
| 23 Tr                                 |       |    |  |      |
| 2129 KLUM                             | 88.9  | MO | Jefferson City, s\$                      | 410  |
| 2138 KKCK                             | 88.3  | IA | Cedar Rapids, j\$<br>(KCKK? - jf)        | 360  |
| 2225 WLRZ                             | 100.9 | IL | Peru, AP mx, wx                          | 215  |
| 24 Tr                                 |       |    |  |      |
| 0000 WTXR                             | 94.3  | IL | Chillicothe-Peoria Hghts.<br>k\$, "94-X" | 230  |
| 0138 WSTQ                             | 97.7  | IL | Streator, r\$                            | 200  |
| 0400 KMG0                             | 98.7  | IA | Centerville, k\$                         | 405  |
| JANUARY 1987                          |       |    |  |      |
| 4 MS                                  |       |    |  |      |
| 0300 KENW                             | 89.5  | NM | Portales                                 | 1120 |
| 6 Tr                                  |       |    |  |      |
| 0127 WKXX                             | 104.1 | IL | Jerseyville, k\$                         | 300  |
| 13 MS                                 |       |    |  |      |
| 2002 WTEBt                            | 89.5  | NC | New Bern                                 | 600  |
| 26 MS                                 |       |    |  |      |
| 2202 KVNE                             | 89.5  | TX | Tyler                                    | 810  |
| 2206 WMAE                             | 89.5  | MS | Booneville                               | 450  |
| MARCH 1987                            |       |    |  |      |
| 4 MS                                  |       |    |  |      |
| 0200 KENW                             | 89.5  | NM | Portales                                 | 1120 |
| 4 Tr                                  |       |    |  |      |
| 0759 WDSO                             | 88.3  | IN | Chesterton<br>r\$, 410 watts             | 125  |
| 1111 WKDS                             | 89.9  | MI | Kalamazoo, r, SID,<br>140 watts          | 140  |

MARCH 1987  
7 MS  
0300 WKNE 103.7 NH Keene 690  
0411 WKNE 103.7 NH Keene 690  
9 MS  
0202 unID-89.5, ??? (S/off?)

METEOR SCATTER RESULTS (1986)  
Oct. 1 KENW "...and at 98.7, you're listening to KMTH-FM..."  
Oct. 6 WHOT "...Jerry Starr, good morning..." (Didn't he move on to to WNRC-640? -jf)  
Oct. 8 KZBS "...A recording of Neil Diamond on KZ..."  
Oct. 17 WKLX "...WKLX...coming up tomorrow..."  
Dec. 7 KVNE "...1:27 from FM-89 KVNE. coming up on 1:28 on this Sunday morning, December 7th, good morning. In that set of music we listened to..."  
Dec. 12 WHRO "...Skies all over Hampton Roads, 38 degrees..."  
WUNYt "...Chairman of the Drama Dept. at New York University..."  
KHKE "...cast of the Waterloo-Cedar Falls..."  
Dec. 18 KVNE "...33 degrees, it's 48 in .... 48 in Shreveport, and 52 degrees in Lufkin. Coming up after Family Forum which is next...broadcast affiliation with...is made possible in part from a grant from...products and teaching aids in Tyler..."

1987 RESULTS  
Jan. 4 KENW "...Portales, NM, 88.1..."  
Jan. 13 WTEBt "...Eastern North Carolina..."  
Jan. 26 KVNE "...KVNE..."  
WMAE "...FM Greenwood and WMAA..."  
Mar. 4 KENW "...you're listening to KENW-FM..."  
Mar. 7 WKNE "...1290 WKNE and FM-104 WKNE..."  
WKNE "...KNE..."  
Mar. 9 unID "...located at 3001..."

COMMENTS: Due to circumstances beyond my control, I was forced to move. I am 2 mi. SW of my old location. This move (on 11/1/86) will be permanent as I finally bought a house of my own.  
I will forever be sickened that I had no antenna put up in late November for the outstanding opening everyone has been talking about in the VUD. Even with a makeshift dipole, reception was better than normal, but only found one new FM station.

-->-->CONTINUED-->-->

My 50 ft. tower was taken down and moved, but this time I had the man put up two TV antennas I had wanted for years. I now have a 7 ft. Channel Master parabolic dish as well as a Channel Master 1110. A 32 ft. tower was already on the property and my FM antenna is on it. I am ready for the next big opening, that's for sure! In the meantime, I'm looking for more meteor scatter IDs. I was able to ID 89.5 KENW Portales, NM because they have a dual ID with 98.7 KMTH Maljamar, NM. WHOT Youngstown, OH was IDed by the fact I know that someone by the name of Jerry Starr worked there. If you look in the Oct. VUD QSLs, note that Dave Nieman had a verification cited from WHOT in which Jerry Starr had verified his report. (If you attend the NRC Lima Convention this Summer, you'll be able to see that name in person -jf).

Dave Brumfield of Richmond, IN was able to ID a meteor scatter of mine. Regarding 89.5 WHRO Norfolk, VA, Hampton Roads is the inlet of water between Norfolk and Hampton, VA. Sure enough, I found it on the road atlas. 89.5 WMAE Booneville, MS was heard with a portion of their full PRM ID. The ID matches the 88.1 WMAW Meridian, MS ID I taped last summer due to close E-skip (believe they all use the same net ID which originates from the main studio. I have yet to see anyone report any of the PRM stations running ONLY their own call/location. -jf). On April 3rd, at 1615 hours, I had E-skip up to channel 3 for about 30 minutes. Channel 2 was SS, so a Mexican was finding my antenna. Happy DXing to everyone. 73, Ralph.



**WWKI RADIO**  
519 N. Main • Kokomo, IN 46901  
317-459-4191



**WABD**  
106.9 FM  
BOX 591  
FORT CAMPBELL, KENTUCKY 42223

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080 ELT  
Equipment: McIntosh MR-78 tuner, CM Stereo Probe 9 at 35 ft. w/rotor.

MARCH 1987  
9 GW/Tr  
0045 Local WMGQ-98.3 off (but apparently left exciter on, as a weak carrier noted, in stereo, from their direction.)  
0059 WDVY 98.3 NJ Ocean City, ID 89  
23 GW/Tr  
0045 Local WBLS-107.5 and semi-local WEBE-107.9 off. 107.5 was 100% WBYO PA (a day too early for WFCC!!!). 107.9 had a nice signal from WXKS MA, a decent WRRB NY, + the usual WFSI MD.  
25 Tr  
2100-2300 Many Norfolks in, fair/good  
Also WWOK-105.7 NC ("OK-106/The Power Stn.") and WOCQ-103.9 MD very strong.

MARCH 29 Tr  
0800 Local WPRB-103.3 off (0900 s/on this date.) WPHD NY on the channel again tentatively CBO ("...for Ontario..." followed by CBC News). Usual WSBA and WESR also there.  
0905 CIEL 98.5 PQ Longueuil, SID, FF PQ #1 after 18 years! 345  
2200 WESM 91.3 MD Princess Anne, running a rock history special which another DXer identified as off the Sheriden Network (he also noted network ads being carried by WESM!) THIS IS A NEW STATION - IT'S 45,000 WATTS SHOULD GET OUT WELL. 177

COMMENTS: I recently acquired a CADCO FM-SSL/75 antenna which, on paper, should outperform the SP9, particularly on its front-to-back ratio. However, in checking it out at ground level, I'm less than pleased by its performance (last year I had a 2nd SP9 set-up at ground level for E-skip, so a comparison can be drawn). I may leave it at ground level, for the E-skip season. It would be a major job to swap it with the SP9 on the roof because of the much greater weight of the CADCO antenna (as it is made for CATV use, it is built like a tank with solid screw in elements not to mention the a heavy twin boom to support them). 73, Joe

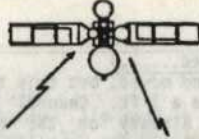
**BANDSCAN DEPARTMENT;**  
FROM SCOTT HOOD -

|      |         | FRANKLIN (MASS.) FM "DRY" |         |        |         |
|------|---------|---------------------------|---------|--------|---------|
| 92.1 | WMDK NH | 95.3                      | WHRB MA | 98.3   | WILT CT |
| 92.3 | WPRO RI | 95.5                      | WBRU RI | 98.5   | WROR MA |
| 92.5 | WLYT MA | 95.7                      | WZID NH | 99.1   | WPLM MA |
| 92.9 | WBOS MA | 95.9                      | WATD MA | 99.3   | WHMP MA |
| 93.1 | WHFM MA | 96.1                      | WSRS MA | 99.5   | WSSH MA |
| 93.3 | WSNE MA | 96.5                      | WTIC CT | 99.9   | WQRC MA |
| 93.7 | WCGY MA | 96.9                      | WJIB MA | 100.1  | WQVR MA |
| 94.1 | WHJY RI | 97.3                      | WJFD MA | 100.5  | WRCH CT |
| 94.5 | WZOU MA | 97.7                      | WINQ MA | 100.7  | WZLX MA |
| 94.7 | WMAS MA | 97.7                      | WCAV MA | 100.9  | WTYD CT |
| 94.9 | WJFK MA | 98.1                      | WMYS MA | 101.1  | WGIR NH |
|      |         |                           |         | 101.5  | WLKW RI |
|      |         |                           |         | 101.7  | WFXN MA |
|      |         |                           |         | 101.9  | WCIB MA |
|      |         |                           |         | 102.1  | WAQY MA |
|      |         |                           |         | 102.5  | WCRB MA |
|      |         |                           |         | 102.9  | WDRC CT |
|      |         |                           |         | 103.3  | WHTT MA |
|      |         |                           |         | *103.7 | WKNE NH |
|      |         |                           |         | 103.7  | WWRX RI |
|      |         |                           |         | 104.1  | WBCN MA |
|      |         |                           |         | 104.5  | WXLO MA |
|      |         |                           |         | 105.1  | WWLI RI |
|      |         |                           |         | 105.5  | WQGN CT |
|      |         |                           |         | 105.7  | WVBF MA |
|      |         |                           |         | 106.1  | WCOD MA |
|      |         |                           |         | 106.3  | WNEF RI |
|      |         |                           |         | 106.7  | WMJX MA |
|      |         |                           |         | 107.1  | WOTB RI |
|      |         |                           |         | 107.3  | WAAF MA |
|      |         |                           |         | 107.9  | WXKS MA |

\* when WWRX is off.



# SATELLITE NEWS



GEORGE W. JENSEN  
4604 Anntana Avenue  
Baltimore, MD 21206-4220

Again - not too much new to report this month, mostly a few odds and ends. I would really hope that some of the bird watchers out there would let this observer know of any new services that they may come upon - especially in the area of audio sub-carriers. Your help is needed and much appreciated and necessary for the continuance of the column. My time for a lot of searching is currently limited.

The much talked about move of many services to Telstar 3 has been dumped. Current talk seems to center around a move to Galaxy 3 which is now home to several Home Shopping Club type channels - such as Sky Merchant and National Shopping. Random - one at a time - scrambling has been noted on the Denver menu on Satcom 1. X H T V was noted briefly (one day) on Morelos 1. This is channel 4 in Mexico City. Nostalgia Channel will Scramble using Video-Cypher II system shortly. Noted on Intelsat VA F11 at 27.1W are the following services, possibly using the West Hemisphere Beam -

- 10 - Venezolana de Television - Ch. 5 - Caracas, Venezuela
- 11 - NBC New - London, England
- 16 - ABC7 - London, England
- 22 - unknown using PAL system of transmission

What are the most watched services? - Broadcasting Magazine recently ran a list based on the number of cable subscribers. I will list the pay services first and I am sure that this is not a good indicator of dish viewers owing to the Scrambling controversy. Lists are in order from most to least watched.

#### Pay Services:

- H B O
- Showtime
- Cinemax
- The Movie Channel
- Disney Channel
- American Movie Classics
- Playboy Channel
- Bravo

#### Pay-Per-View

- Viewer's Choice
- Request TV
- Jerrold's Cable Video Store

#### Basic Cable Services:

- E S P N
- W T B S - now encoded using Video-Cypher system
- C H N
- U S A Network
- C B N
- M T V
- Nashville
- Nickelodeon
- Lifetime
- C-Span I
- Nick at Night
- Financial News Network
- Weather Channel
- Arts and Entertainment
- W G N
- C H N Headline News

- Score
- P T L
- V H - 1
- Black Entertainment
- Tempo T V
- TelShop
- Home Shopping I
- Discovery Network
- W O R
- C-Span II
- Silent Network
- Learning Channel
- Video Shopping Mall
- Trinity
- Country Music T V
- Eternal World

That's all for now - see you in 30. Please send sub-carrier reports, I can't do this without your help. '73's

*George*

# \*\*\* PUBLISHER'S NOTES \*\*\*

MINNESOTA WTFDA CONVENTION IS LESS THAN 3 MONTHS AWAY!!! IT'S COMING SOON...THE 1987 WTFDA CONVENTION, HOSTED BY FCC FM NEWS EDITOR DR. BRUCE ELVING. FOR THOSE NEW TO THIS HOBBY OR NEW TO WTFDA, BRUCE IS A LEADING AUTHORITY ON FM BROADCASTING, AS WELL AS PUBLISHER OF FMEDIA, AN EXCELLENT BROADCASTING INDUSTRY NEWSLETTER. HE IS ALSO THE PUBLISHER OF THE FAMOUS FM ATLAS (A REFERENCE NO SERIOUS FM DXER CAN BE WITHOUT) AND WAS AMONG THE FIRST TO TUNE THE BAND FOR DX, BACK IN THE DAYS WHEN DX CLUBS OFTEN REFUSED TO EVEN COVER FM DX! AN ANARC AWARD WINNER, BRUCE HAS BEEN ONE OF THE VHF/UHF DXING WORLD'S MOST VALUABLE ASSETS, SO THIS YEAR'S CONVENTION WILL BE ONE YOU SHOULD ATTEND! UPCOMING ISSUES WILL FEATURE MORE INFORMATION ABOUT THIS SUMMER'S WTFDA GETTOGETHER. WE'RE HOPING TO MEET YOU IN MINNESOTA--START MAKING YOUR PLANS TO BE THERE!!!

MONITOR SERVICE SEEKING TAPES MEMBER ERIC BUENEMAN'S GDXCI PRODUCTIONS IS LOOKING FOR LOCAL-QUALITY LEGAL AM, FM AND TV STATION AUDIO IDENTIFICATIONS FROM ND, SD, NE, KS, MO, IL, IN, OH, MI, WI, IA, AND MN ON CASSETTES FOR A PROJECT CALLED AMERICAN MIDWEST ON THE AIR. IF YOU CAN HELP, CONTACT HIM AT P.O BOX 1202, FLORISSANT MO 63031-1202.

WHOOOPS! APOLOGIES TO RICH WERTMAN. LAST MONTH'S ANTENNA NEWS, ON PAGES 8 AND 9, INCORRECTLY LISTED HIS TELEPHONE. HIS CORRECT NUMBER IS (716) 434-3988, AS ON PAGE 10 OF THAT ISSUE.

--BILL THOMPSON

## STATION BREAK

WTFDA H.Q.  
P.O. Box 514  
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

WANTED - I'm looking for American DX-ers interested in exchanging C-90 audio cassettes with samples of FM RADIO STATIONS from U.S.A. for samples of Italian FM radio; here in Italy there are more than 2000 private FM stations! I also can tape an exchange VHS VIDEO cassettes, but I can't do it with NTSC, only with PAL SYSTEM B. Fabio Remondini - Via Croce Coperta, 17 - 40026 IMOLA [BO] - ITALY

FOR SALE - Satellite TVRO system with MA/COM decoder (will be deactivated); dish not included, \$795. Write Glenn Jacobs, RD 1 - Box 1508, Moscow PA 18444

FOR SALE - Old magazines: Forecast F.M., Billboard, Playboy, Penthouse, plus various X-rateds, Sports Car Illustrated (Car and Driver), Motor Trend, Motor Life, DC and MD teams' sports programs, esp. U of MD and ABA, Sports preseason mags., left and right wing underground newspapers, a few LIFE, LOOK, and Newsweeks. Write for specifics. Gus Mancuso, 5615 Inwood St., Cheverly MD 20785

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.