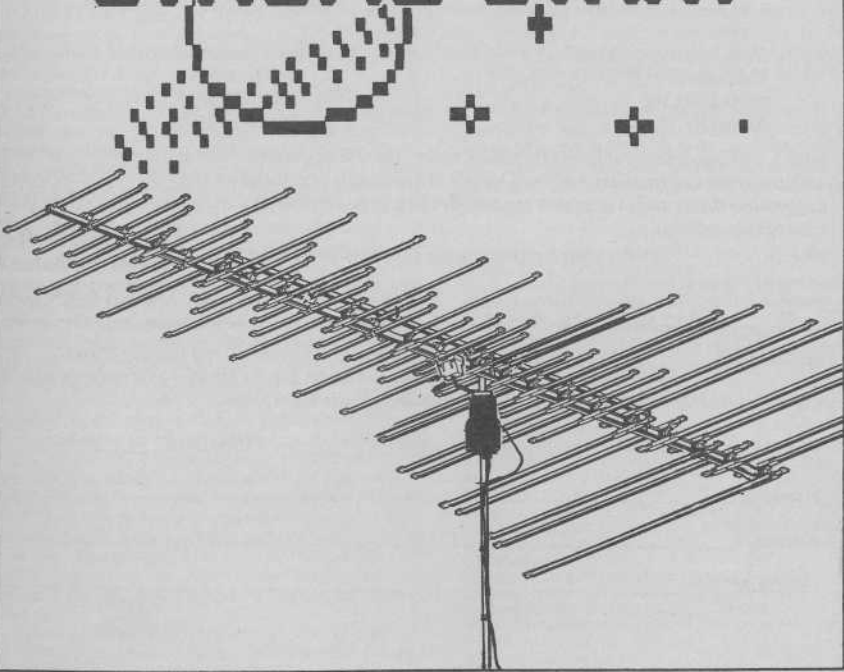


# Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

JUNE 1992

# E-SKIP MAKES A STRONG START



WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO, NY 14205-0514-U.S.A.

OPINIONS EXPRESSED IN THIS PUBLICATION ARE THOSE OF THE INDIVIDUAL CONTRIBUTOR AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE PUBLISHER OR BOARD OF DIRECTORS. WE RESERVE THE RIGHT TO EDIT MATERIAL TO MEET PUBLISHING STANDARDS. UNLESS PREVIOUSLY AGREED UPON IN WRITING, ALL MATERIAL SUBMITTED FOR PUBLICATION IN THE VHF-UHF DIGEST BECOMES THE PROPERTY OF W.T.F.D.A.

REPRODUCTION OF MATERIAL FROM THE VHF-UHF DIGEST WITHOUT PERMISSION OF W.T.F.D.A. IS PROHIBITED. INDIVIDUALS AND OTHER ORGANIZATIONS ARE GRANTED SUCH PERMISSION PROVIDING PROPER CREDIT IS GIVEN TO THE SOURCE.



first class mail

11/92  
WILLIAM N NOLLMAN  
35 NYE ROAD  
GLASTONBURY CT 06033

Readers' Reports

W. R. McIntosh sent an item about KCLU \*88.3 which wants to build a tower in a residential area to be DXed far and wide from Thousand Oaks CA. Problem is that some of the residents are opposed to the tower for this still unbuild station, owned by CA Lutheran U. But the station has hired consultants who have assured neighbors that there won't be harmful radiation and any interference to their reception will be taken care of by station engineers, welding filters. Mc also sent word that KPWR 105.9 and KHS-FM 102.7 top the L.A. Arbitron ratings among DXers, and he clipped the newspaper column mentioning program formats. "Are these the same classifications you use?" he asks. They're not, but I have no trouble converting. For example, it shows KMAX 107.1 Arcadia as "foreign language: other," while I list it as "ethnic," and suffering from the disease of being monophonic.

Mike Hawk kindly supplied a lot of station news (some of which will also be in next month's column) and he received the new FM Atlas. "It looks real good, and it will definitely help me log a few new ones this summer. I had been using the NRC FM log, which has its good points, so I'm not going to toss it, just put it on the back shelf." He discovered two listings in my book which are fiction: KPOB \*88.1 Omaha has not yet a-built, but I hold my breath that this Family Stations outlet will be on the air in glorious stereo by the time FM Atlas-15 is out. Likewise, KNOD Harlan IA continues its sleepy ways monophonically on 105.5, not yet having activated its FCC-authorized construction permit to move to 105.3.

Doug Smith read in "Broadcasting" that WNYE \*91.5 New York is for sale by the school board for a \$3 million minimum bid. "Wanna bet it ends up religious?" he muses. WPLN \*90.3 Nashville does kill its stereo pilot for monophonic talk shows from NPR. I am told WEDW-FM \*88.5 Stamford CT also subscribes to this commendable practice. Commenting on the introductory essay in the new FM Atlas, Doug would like to see rural stations licensed to a county and city stations licensed to a metro area, allowing some flexibility to move studios and transmitters, without creating interference to other stations. He also feels in-band DAB might be a ploy on the part of the NAB to keep stations where they are (and maybe by DXers wanting to keep FM/DAB in VHF-I-b.e.). This could possibly result in low-quality DAB. And translator "abuse" might happen if a broadcaster brought in via satellite a format already repeated in the local market. In public radio there is some swallowing up of other stations, such as WI Public Radio taking over the operations of student stations at Superior, Eau Claire, La Crosse and Green Bay, while at Stevens Point "the students successfully fought them off." He'd like to see a Chicago-area transmitter map, such as the FM Atlas had many editions ago. "I wonder how the Chicago flood affected FM/TV? I understand power was off in the Sears Tower for an extended period." Perhaps area WTFDAers feasted on a lot of DX!

Shocking news out of northern VA. Eric Voytko says of WRCY, misidentifying as "Washington's Rockin' Country Thunder 107.7," which illegally is not giving a

station break mentioning its city of license, Warrenton. "The station is a strict nonDer, mentioning calls only at 10 minutes before the hour with no city of license." Eric recently bought "two copies of the 14th edition FM Atlas, and I must say I am impressed with the sheer amount of information compressed into this one, easy-to-use book. FM Atlas makes FM DXing less intimidating in this time of nonDers. . . I also enjoy your FCC-FM feature, which combined with the Atlas makes an indispensable pair!" If WRCY continues in its miscreant ways, the FCC'll have to be siced on 'em. Go to WRCY, some area reader, and rub this column in their noses!

Bill Nienajedly sent word on NYC FM ratings with WRKS 98.7 on top, but with WPAT-FM missing because of failure to list it combined with WPAT AM. Ratings for the two stations alone were not enough to cut it, but combined it would show. At one time, WPAT-FM was #2 in the market. It is one of the rare stations you can DX in a major market having beautiful music, and possibly a national treasure. Bill comments on "lame/safe/mix" type stations and their lack of appeal to many DXers. Such stations do not include WPAT-FM, incidentally. "Another joke is that all these 'AC/mix' stations assume that everyone works in an office during the day and that's why all the stations, not just 'ac-mix-lite' go limp from 9 to 5. Doesn't anyone who owns a station realize that there are others who want to hear all the hits 24 hours a day? Not just endless Michael Bolton, Gloria Estefan, Phil Collins and unbearable recurrences by Whitney Houston, Madonna and Dirty Dancing soundtracks. The only way to hear all the hits is on your cassette that you made at home; not on the radio. It's a shame!"

WMAX-FM 106.7 Irondequoit/Rochester NY is on the air with rock, \$, writes Dave Nieman, and he sent an article from the Buffalo paper on local AM. Look below for "See Also," and the problem of defining exactly what type of rock WMAX-FM has, and for notice of a station in MI also using the WMAX call letters.

New FM Station, Translator Grants

- AZ Quartzsite K202BU \*88.3 (KWFH 90.1 Parker), 130 w translator
- AR Lake Village 103.5 6000 h,v; 100 m [250 h,v]
- CA Arroyo Center (Big Sur) K260AA 99.9 (KSUR-FM 99.5 Greenfield),/ AR Sherwood (Little Rock) 102.1 2000 h,v; 174 m, Sherwood Bcstg. of AR
- CA Merced 94.1 3000 h,v; 100 m, Mali Bcstg.
- CO Silverton K218BF \*91.5 (KPRN 88.5 Grand Junction)
- CT West Hartford W251AA \*98.1 (WFAA 93.3 Danbury)
- FL Zolfo Springs 106.9 6000 h,v; 100 m
- HI Honolulu 105.9 100000 h,v; 600 m
- IA Keokuk 105.9 50000 h,v; 150 m
- IA Stuart 107.9 6000 h,v; 100 m
- KS Olathe KQRC 92.3 3000 h,v; 100 m
- KS Winfield 95.9 50000 h,v; 150 m
- KY Lexington W221AV \*92.1 (WUKY 91.3 Lexington), 100 w
- KY Paintsville 94.7 6700 h,v; 191 m
- LA Lacombe 94.7 3000 h,v; 100 m
- MI Beulah (Frankfort) 92.1 1650 h,v; 135 m
- MS Oxford WK LJ 107.1 3000 h,v; 98 m, \$, r, "J-107," CP reinstated
- MS Pearl (Jackson) 93.9 6000 h,v; 100 m
- MT Columbia Falls 95.9 6000 h,v; -99 m
- NV Verdi K229AA 93.7 (KODS 103.7 Carnelian Bay CA)
- NH Dover W282AB \*104.3 (WEVO 89.1 Concord)
- NH Keene W283AB 106.5 (WHDQ 106.1 Claremont)
- NY Binghamton W293AC \*106.5 (WPEL-FM Montrose PA)
- NY Endicott W227AB \*93.3 (WPEL-FM)
- ND Arthur 96.7 5090 h,v; 110 m
- OK Weatherford K206BB \*89.1 (KMSI 88.1 Moore), 130 h; 110 watts v



In time for  
**Summer  
DX**  
'92 TV Station Log  
plus  
'92 FM Log  
by  
**DAJJA**  
**ENTERPRISES**

Only  
**\$9.95**  
+\$1.50 S&H

Only  
**\$16.95**  
+\$2.00 S&H



8 1/2" x 11" looseleaf, 3-hole punched format.  
Main section arranged by Channel.

Information contained in this book includes transmitter coordinates, both visual & audio powers, addresses, plus other pertinent items.

Three cross-reference sections:  
Call Letters  
Sorted by City  
Sorted by State

Edited, produced, and published by Mike Knitter. The FM Log edition has been completely revised with repeaters and translators added. My TV Station Log is new this year and was produced from the suggestions that many of you gave me over the past year. Look for my world famous AM Log Book coming this summer.

Order your log books using your *Visa/MasterCard* ☎ **800/824-4359**  
Lower 48 states Only  
or 608/423-4159

Enclosed is \$\_\_\_\_\_ for ( ) TV Station Log and/or ( ) FM Log Books.  
\$11.45 + WI residents add Tax \$18.95 + WI residents add Tax  
Make Checks/Money Orders payable in US Funds to: **Dajja Enterprises.**

*Visa/MasterCard* Number \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

PA Cochranon W210AR \*89.9 (WCRF 103.3 Cleveland OH) [M. Oliszowska]  
 PA Qil City 96.3 3000 h.v.; 100 m, Stephen/  
 PA Scranton W290—\*105.9 (WRTY 91.4 Jackson Township)  
 PA Wilkes-Barre W235AA \*94.9 (WRTY 91.1)  
 SC Florence W279AA 103.7 (WJMX-FM 103.3 Cheraw) [Toccoa Falls GA]  
 TN Gatlinburg W230AB \*93.9 (WRAF 90.9/  
 TX Amarillo 96.9 10000 h.v.; 514 m, S, Westwind 20, taking over frequency of former KLSF [Austin], 140 h  
 TX Lockhart K260AB \*99.9 (KMFA 89.5/  
 VA Big Stone Gap W223AA 92.5 (WAXM 93.5 Big Stone Gap) [D. Communications  
 VA Deltaville 92.3 3000 h.v.; 100 m, S,  
 VA Winchester W233AA \*94.5 (WMRA 90.7 Harrisonburg) [M. Trentadue  
 WI Whitewater 106.5 3000 h.v.; 100 m, Scott/  
 TX Ciudad Mante XHMAE 94.9, S, I  
 TX Ciudad Victoria XHVIC 107.9, S, I  
 TX San Fernando XHFDQ 105.9, S, I  
 TX Soto la Marina XHSOT 91.3, S, I  
 TX Tampico XHTP 90.9, S, I  
 TX Villagrana XHVLN 90.9, S, I

Call Letters Assigned or Changed

AL Valley 98.1 WJAF  
 AZ Buckeye 106.9 KYNI (KMJK), to be s[ou]l  
 CA Baker 101.5 KIXA  
 CA Ukiah 105.9 KOPM (KMRJ)  
 FL Arcadia 98.3 WKOD—FM\* (WKOD-FM; AM gets new call)  
 FL Lecanto \*88.3 WLMS (WDSP)  
 FL Naples \*89.5 WSRX (WBPT), gr, parallel to WJYO \*91.5 Fort Myers  
 GA Americus 97.7 WISK-FM (WPUR)  
 GA Cadotown \*88.3 WJCK  
 GA Cumming \*91.5 WVEV-FM (WVEV; AM is in Decatur GA)  
 GA Ocala 97.7 WKAA (WSPX), still "K-98"  
 HI Hanofulu 99.5 KHNR (KORL), n, "Headline News," monophonic  
 IL Morris 103.1 WYVA  
 IL Nashville 104.7 WNSR (WOHC)  
 IA Hampton 98.9 KARP [Rock\*  
 KS Leavenworth 98.9 KQRC (KRKV), r, "The  
 KY Lexington 94.5 WXLX (WLAP-FM), m, "Mix 94.5" [Lafayette  
 LA Erath 107.7 KPFL-FM (KXXW); AM is in  
 LA Larose 100.3 KLRZ (KRMZ)  
 MA Nantucket 96.3 WNVY (WNTX), p, was temporarily off air, and for a while WNVY's programming was on both 96.3 and 92.7  
 MA Tisbury 92.7 WNTX (WNVY), o, LMA.  
 MI Bridgman 97.5 WCSE  
 MI Marquette 94.1 WUPK  
 MS Utica 92.9 WJXN-FM (WOAD-FM), g, LMA with WJXN 1450 Jackson  
 MO Gordonville 99.3 KCGQ (KTXI)  
 MT Helena \*103.1 KVVJ  
 MT Laurel 101.7 KTFM  
 NH Hanover \*91.3 WYWB  
 NJ Belvidere 107.1 WRNJ-FM; AM is in Hackensacktown  
 NM Kirtland 102.9 KMYI  
 NY Chateaugay 94.7 WEEP-FM (WXEB; AM is in Pittsburgh PA)  
 NC Atlantic 107.3 WTKF  
 NC Tarboro 104.3 WFXX (WCAS), sr, "The Fox," Enters LMA with WFXX 107.1 Durham and WDUK AM. [In Van Wert  
 OH Paulding 99.7 WERT-FM (WKSJ), AM is/  
 OK Claremore 100.7 KTFR  
 OK Ponca City \*87.1 KLVV  
 PA Port Matilda 107.9 WXZZ  
 PA Salladburg 95.5 WMRE-FM (WKHL-FM), m, back on air along with its AM, ID with Williamsport (AM is in Hughesville)  
 PA Washington 95.3 WJPA-FM (WYTK), o  
 RI Wakefield-Peace Dale 99.7 WJAE  
 SC Murrell's Inlet 94.5 WRNN (WKOA)  
 TN Dresden 95.1 WGNM (WJZK)

TX Borger 104.3 KQFX (KDXR)  
 TX Comfort 95.1 KATG (KYBG)  
 TX Luling 94.7 KFGI-FM (KFGI); AM is in Rollingwood TX  
 TX San Antonio \*88.3 KPAC (KAPD)  
 WY Douglas 99.3 KKIC-FM (KATH-FM)  
 TX Ciudad Camargo 90.5 XHCGO (XHCKO)  
 TA Nuevo Laredo 88.9 XHLDQ (XHBLM)

Facilities Changes Granted

AL Jacksonville WLJS \*91.9 320 h.v.; 315 m  
 AL Oneonta WKLD 97.7 6000 h.v.; 80 m  
 AL Sheffield WBTG-FM 106.3 22100 h.v.; 225 m, C2 [transmitter Mingsus Mtn.  
 AZ Cottonwood KZGL 95.9 5000h.v.; 762m/  
 LA Little Rock KYFX 99.5 95 m (3000 h.v)  
 AR Murfreesboro KMTB 95.3 4700 h.v.; 110 m  
 AR Van Buren KLSZ-FM 102.7 (from 102.3)  
 11800 h.v.; 145 m [h, 41 m, A  
 CA Cores KBES \*89.5 150 watts/ [44 m  
 CA Crescent North KPQD-FM 97.9 25000h.v./  
 CA Greenfield KSUR-FM 99.5 30000 h.v.; 195 m  
 CA Merced KOAT 106.3 2500 h.v. (145 m)  
 CA Ojai KKKU 105.5 330 h.v. (414 m)  
 CA Sacramento (from Ione) KEDR \*88.3 50000  
 v.; 144 m, vertical only  
 CA Tahoe City KRZQ 96.5 4000 h.v. (904 m), C1  
 CA Turlock KCSS \*91.9 150 h.v.; 16 m  
 CA Yuba City KXCL 103.9 510 h.v.; 617 m, B1  
 FL Miami Beach WLVE 93.9 100000 h, 82000 v.  
 (306 m, d-a), C [m, C3  
 FL Newberry WNFQ 100.5 11000 h.v.; 150/  
 FL Panama City Beach WPCF-FM 100.1 25000  
 h.v.; 71 m, C3 [adds vertical  
 FL Sarasota WKZM 105.5 100 m h.v. (3000)/  
 FL Summerland Key WPIK 102.5 (from 102.1),  
 on air, S, k  
 GA Ashburn WFFM 105.7 6000 h.v. (100 m)  
 GA Athens WUOG \*90.5 26000 h.v. (55 m)  
 IL Champaign WLRW 94.5 150 m (50000 h.v)  
 IL La Roy WRXZ 104.1 50000 h.v.; 150 m, B  
 IL Princeton WZOE-FM 98.1 (from 98.3) 6000  
 h.v. (91 m) [cial (\*)  
 IL Ramsey WJLY 93.3 becomes noncommercial/  
 IN Brookston WEZV 95.3 2300 h.v.; 154 m  
 IN Evansville WNNI-FM \*88.3 150 m (45000  
 h.v) [adds vertical, k(country)  
 IA Newton KLVN 95.9 2500 h.v.; 108 m,  
 IA Waukon KNEI-FM 103.5 30000 h.v. (150 m)  
 KS Copeland KJIL 99.1 100 m (100000 h.v)  
 KS Medicine Lodge KREJ 101.7 (from 95.9)  
 50000 h.v.; 150 m, C2  
 KS Topeka KJTY \*88.1 100000 h.v. (130 m)  
 KY Burkesville WKYR-FM 107.9 95 m (6000  
 h.v)  
 KY Liberty WKDD-FM 98.7 6000 h.v. (73 m)  
 LA Breaux Bridge KFTE 96.5 22500 h.v. (100  
 m), C3 [104.9] 25000 h.v. (91 m), C3  
 LA Tallulah KBYO-FM 104.5 (from/  
 ME Howard WPVM 103.9 54000 h.v.; 468 m, C  
 ME Old Town WUMC 107.3 50000 h.v.; 94 m  
 ME Thomaston WAVX 106.9 92500 h.v.; 193 m  
 MD Berlin WOCQ 103.9 6000 h.v. (100 m)  
 MA Holliston WHHB \*99.9 (from 91.5) 18 watts  
 h.v.; 57 m, adds vertical [h.v)  
 MA South Yarmouth WATB 103.9 96 m (3000/  
 MI Hancock WZRK 93.5 13500 h.v.; 139 m, C3,  
 adds vertical [to noncommercial (\*)  
 MI Kingsford WEUL 98.1 changes/ [(\*)  
 MI Marquette WHWL 95.5 now noncommercial/  
 MI Saginaw WUVE 104.5 2500 h.v.; 143 m  
 MI St. Johns WXMX 92.1 6000 h.v.; 100 m  
 MN Princeton WOPM-FM 106.1 (from 106.3)  
 32400 h.v.; 184 m, C2, site to Big Lake MN  
 MN Waseca KOWO-FM 92.1 25000 h.v.; 87 m  
 MS Belzoni WVRD 107.1 53 m (3000 h.v)  
 MO Springfield KTXR 101.3 360 m (100000)  
 NY Loughlin KLLK 107.9 16900 h.v. (569 m)  
 NH Hanover WFRD 89.3 3400 h.v. (87 m)  
 W294—106.7 (from W285D 104.9)  
 NJ South Orange WSOU \*89.5 2800 h.v.; 95 m  
 NY Liberty WYGS-FM 95.9 6000 h.v.; 100 m  
 NY Port Henry WMMN 92.1 18000 h.v.; 3 m, C3

NC Charlotte WMXC 104.7 369 m (100000 h.v,  
 non d-a) [50000 h.v.; 150 m, C2  
 NC Southern Pines WIOZ 106.9 (from 107.1)/  
 NC Winston-Salem WKZL 107.5 361 m (100000)  
 OH Millford WAOZ 107.1 96 m (1200 h.v)  
 OK Miami KGLC-FM 100.9 3600 h.v. (81 m)  
 OR Eugene KLCC \*89.7 81000 h (54000 v; 154  
 m) [C1, transmitter in ID  
 OR Nyssa KGZH 98.7 100000 h.v.; 108 m/  
 TX Hutto WAYC-FM 107.5 370 h.v.  
 SC Clemson WSBF \*88.1 3000 h.v.; 61 m  
 TN Jellico WEKX 102.7 630 h.v.; 307 m  
 TN Morristown WMXX 95.9 1100 h.v. (235 m)  
 TX Glen Rose (move from Hamilton) KCLW/  
 92.1 27000 h.v.; 201 m, C2  
 TX Hutto KRGT 92.1 3000 h.v.; 73 m  
 TX Robstown KSAB 99.9 d-a  
 TX Littlefield WRMC \*91.7 3000 h.v.; 76 m  
 VA Hampton WHOV \*88.1 (from 88.3) 2000 h,  
 8000 v (61 m) [CQ 104.9  
 WA Bellevue K281AA 104.1 (from K280-/  
 WA Camas KNUZ 94.7 2500 h.v.; 315 m, C3  
 WA Pasco KGDN 101.3 6600 h.v.; 27 m, C3  
 WI Minocqua WMQA-FM 95.9 25000 h.v.; 100 m  
 WI Neillsville WCCN-FM 107.5 179 h.v.  
 (100000), adds vertical [d-a  
 WI Rudolph WIZD 99.9 6000 h.v. (100 m), adds/  
 WI Sturgeon Bay WPPF \*90.5 188 m (50000 h.v)

Stereo—or to be Stereo

AK Anchorage KRUA \*88.1, pt. "The premiers  
 of KRUA is a victory for the spirit, vitality  
 and honesty of alternative music."  
 CA Bakersfield KTXQ \*90.1, still simulcast  
 KSJV 91.5 Fresno  
 MN Austin KMST \*91.3.  
 MN Winona KHME 101.1  
 NY Poughkeepsie WVKR \*91.3. "They upgraded  
 their transmitter but kept their old antenna."  
 TX Gainesville 107.7 k, "no call letters assigned,  
 but reported on air!  
 TX Lubbock KEJS 106.5

Format Changes

AL Fultons are the same as in the "FM Atlas"  
 AL Eau Claire WDMT 97.9 k  
 AL Ozark WOLS 103.9 r  
 AL Warrior WLBH 98.7 m  
 AK Anchorage KBFX 100.5 op. "The Fox"  
 KBRJ 104.1 k, "K-Bear" (strict). "Hot country.  
 The third c/w in Anchorage with KASH-FM  
 and KYAK AM."  
 KWHL 106.5 r  
 AR Helena KCRF-FM 103.1 k  
 CA Bakersfield KIWI 92.1 k  
 CA Compton KJLH 102.3 k  
 CA Fresno KJDU 105.9 r, "modern rock"  
 CA Karmelville KCND 102.5 k  
 FL Fort Myers WJYO \*91.5 gr  
 GA Atlanta WFRG \*89.3 gr  
 GA Kingsland WKXB 106.3 k  
 IL Arcola WKNX 107.9 r, "Z-108," LMA with  
 WZFN 95.3 10000, and its in glorious S!  
 IL Champaign WBGL \*91.7 gr  
 IN Newburgh WSYZ 106.1 o, LMA with WKY  
 AM Evansville, loses "The Heat"; add S to its  
 listing, p. 121 FM Atlas-14  
 IN Terre Haute WCRT \*88.5 gr, simulcasts  
 WBGL Champaign IL  
 KS Augusta KLLS 104.5 rk, "AC, country"  
 KY Bowling Green WBZD 96.7 op, "The  
 Buzzard," LMA with WBVR 101.1 Russellville  
 KY Louisa WSAC 92.3 k  
 KY Prestonsburg WVKZ-FM 105.5 o  
 KY Williamsport WNKR 106.5 k  
 MI Ludington WKLA-FM 106.3 m  
 MI Midland WZDZ 93.3 op  
 MI Pinconning WMTJ 100.9 r, "The Blitz"  
 MI Plymouth WSDP \*88.1 r  
 MN Aitkin KEZZ 94.3 o, "FM 94" (not strict)  
 MS Amory WAFA 95.3 m, AM-FM simulcast  
 MS Greenwood WYMX 99.1 m  
 MO Lebanon KLVW-FM 107.9 m  
 NV Carson City K1ZS 94.7 k, LMA with KODS

103.7 Carnelian Bay CA  
 NJ Atlantic City WAVY 95.1 rs  
 NJ Avalon WXNJ 94.3 Extra 94.3, o, with some  
 m. "Mostly rock oldies though."  
 NJ Margate City WTTT 96.1 still sr, but plays  
 jazz all day Sunday. One reporter thinks it is  
 more, but I've heard it is Stereo.  
 NJ Ocean Acres WQNJ 98.5 to be r, "a little more  
 livelier than WOBM and easier to listen to  
 than WJRZ." Is working on "antennas clear-  
 ances." Expected on this summer.  
 NJ Villas WFNN 98.7 o, still "Fun 98.7"  
 NY Frankfort WKLL 94.9 r, "K-Rock" (from  
 "Classic Rock 94.9")  
 NY Monticello WXTM 99.7 r, testing "with  
 everything from oldies to heavy metal"  
 OH Shelby WSRW 100.1 o  
 OR Eugene KRCV \*91.9 gr, "doesn't play any  
 jazz to speak of!"  
 KPNW-FM 99.1 o  
 OR Klamath Falls KKR8 106.9 m  
 OR Roseburg KR8B-FM 103.1 k  
 PA Huntingdon WHQG 106.3 m, S  
 PA Millersburg WOLV 98.9 m, S  
 PA Sharpville WNTX 95.9 k, LMA with WYWR  
 1330 Campbell OH  
 RI Woonsocket WKKX 106.3 r  
 SC Charleston WXLV 102.5 o  
 SC West Columbia WSCQ 100.1 m r  
 TN Bolivar WMDQ 96.7 k  
 TX Beaumont KZZB-FM 95.1 k, LMA with  
 KYKR 93.3 Port Arthur, returns to air  
 TX El Paso KTSM-FM 99.9 m  
 TX Floresville KR10-FM 94.1 Spanish (k),  
 "Tajano"  
 TX Killeen KNCT-FM \*91.3 k  
 TX Lubbock KKIK 93.7 Spanish, l, ending LMA  
 with noncommercial KAMY  
 VA Appomattox WVLB 102.9 k, "V-103"  
 VA Toppenish KHYT 92.7 k, LMA with KATS  
 94.5/KIT AM Yakima  
 WI Green Bay WORO \*90.1 gr  
 WI Waunakee WY2M 105.1 k, LMA with  
 WMMM-FM 105.5 Verona WI

On Air and DX Ready (Selected)

AZ Phoenix KPHE \*88.3, Family Radio, on air  
 7:30 p.m. to 4 a.m. seven days a week.  
 "Family Radio shares the frequency with  
 another station, but these prime time night  
 hours help to ensure a receptive listening  
 audience for our Christ-centered programs."  
 CA North Highlands (Sacramento) KEBR-FM  
 \*88.3. Family Radio newsletter does not  
 mention new KEDR \*88.3, which just  
 received FCC permission to move from Ione  
 to Sacramento. Will KEBR-FM be rendered  
 unnecessary? [from 92.5  
 KS Baldwin City KNBU \*89.7, having moved/

Off Air or Not Yet On

AK Anchorage KWQJ 92.9, KXDZ 103.1  
 AK Soldotna KAZO 96.5  
 CA Atwater KJRO 92.5, Auberry KSLK 105.1  
 CA Chowchilla KXDA 93.3, Coalinga KNBS  
 100.1 ["still silent"]  
 CA Corcoran KLCZ 102.3  
 CA Ford City KZPE 102.1  
 CA Ingsburg KJET 106.4  
 CA Lake Isabella KRRV 104.5  
 CA Lindsay KZPD 103.3  
 CA Lompoc K2139K \*90.5  
 CA Los Banos KJDL 106.9  
 CA Madera KQNB 107.3  
 CA Woodlake KQKX 104.1  
 DE Smyrna WYHH 92.9. "Still not sure if it ever  
 will be on, per a local source."  
 DE Wilmington WMPH \*91.7, but "looking into  
 returning to the air next school year. Whether  
 or not this happens will likely depend on  
 what needs to be done technically, and  
 whether it can be budgeted."

IL Bethalto-St. Louis MO WXJO 95.5. "Had an  
 LMA and they could not arrange financing.  
 Children have been having bake sales trying to  
 get the station back on the air."  
 IL Danville WZMF 94.9  
 ME Bar Harbor WPRG 99.1.

Deletions

AR Jonesboro K206AB \*89.1  
 CA Grover City K221CN  
 CA Morro Bay K272CG 102.3, had been licensed  
 CA Santa Maria K218AF \*91.5  
 CO Lamar K270AC \*89.3  
 GA Naco W296AR \*107.1. "Unfortunately that  
 translator was not covering the area the way  
 we wished it would, so it was dismantled."  
 LA Buras-Triumph KESN 94.1  
 LA New Iberia KDLZ \*90.5  
 MN Deer River KDLE 105.5  
 MT Deer Lodge KDRE 96.7  
 MT Whitefish K240BK 95.9  
 NE McCook KFBU 93.9  
 OR Myrtle Point 94.1 KNAR  
 PA McConnellsville WEMX 103.7, "CP is for-  
 feited and call letters are deleted."  
 PA York W214AC \*90.7  
 TX San Saba KFRJ 97.1  
 WY Cheyenne K204AC \*88.7  
 PR Lajas 103.7, grant remanded to FCC

SCServices, 67, 92 kHz (Selected)

Symbols are as in the "FM Atlas"  
 MO Columbia KOPN \*89.5 "We're considering  
 using both our SCS channels and possibly one  
 of them for children. Radio Aahs, WWTCT  
 Minneapolis, may go satellite and we'd be  
 interested in that."  
 NH Manchester WZID 95.7 rS, 67 (was rM)  
 NJ Newark Italian is on WBGQ \*88.3's SCS,  
 "1CN," translating its ad in the Italian paper,  
 "Oggi": "With this radio on, you're never  
 alone—on sale through better Italian variety  
 stores." Radio "looks like the FMystery radio  
 shown in FM Atlas-13 but I don't know if it's  
 tunable or if it only gets one station." Also in

RadioUno

Italian, WNNK 105.9's 67, "Radio Uno"  
 NY Garden City WDRE 92.7 rE, 67, "Antenna  
 FM," 24-hour Greek programming.  
 Telemetry warbles migrate to 92 kHz (rU)  
 NY New York WSKO-FM 97.9 rE, 67 (rE, 92).  
 The 67 is Radio Soleil d'Haiti, headed by Dr.  
 Leclere Addison of South Orange NJ, and  
 complements (but is different from) "Radio  
 Tropique" on WFME 94.7's SCS at 92 kHz.

FMmistakes, FM Atlas-14

AL Athens WZYP 104.3 coverage too low, p.  
 103, should be 82 km  
 AL Enterprise WDJR 96.9 coverage too high, p.  
 103, should be 73 km  
 AR Humnoke remove KZIX 101.7 from p. 104  
 CA Mount Shasta KNSQ \*88.1 coverage too low,  
 p. 106, should be 58 km [p. 72  
 CO W. Glenwood Springs 96.7 KMTS: not on/  
 GA Sylvester misspelled, p. 187, 106.1  
 KY Vanceville WMT-CM 99.9, not 99.3, p. 113  
 MD Oakland misspelled, p. 155, WXIE 92.3  
 MO Springfield KTXR 101.3 data out of  
 alignment, p. 176 [p. 86 map  
 MT Chester \*100.1 KEMC: data omitted from/  
 NY Briarcliff Manor WXP5 107.1 transmitter site  
 marked on map as being for "WZFM," p. 17  
 PA Williamsport WRLC \*91.7 coverage too  
 small, p. 125; change to 17, taking into account  
 new facilities' grant [p. 173  
 TX Hallstetville KFSL 99.9 state missing/  
 TX Los Y'banez misspelled, p. 66, KYMI 107.9  
 VA Petersburg WSVV 100.3, not WSWV; data  
 out of alignment, p. 174

WV Point Pleasant WBYG 99.5, not 95.9, p. 43  
 WI Black River Falls WWIS-FM % in \$ column,  
 99.7, p. 172 [p. 146  
 WI Green Bay WYPD \*88.1, not "WYFD,"  
 "I purchased your FM Atlas about two weeks  
 ago. I am very happy with it. I also think it's the  
 most helpful and the best list of FM stations,  
 translators and boosters I have ever seen. . ."  
 Would appreciate "history of FM Atlas" next  
 issue. "Appreciate your efforts."

See Also May VUD For

AL Mobile WA8B-FM 97.5 97-FM (from "FM-  
 97"), Stempick, p. 22  
 FL Live Oak WQHL-FM 98.1 Stereo 98 (from  
 "OHL"), Stempick, p. 22  
 FL "Panama City WXDZ" 103.5 1 list as licensed  
 to Callaway FL and calls WDRK, "Cool  
 103.5." Listen again, Stempick (p. 22) or  
 others in the area to confirm or disconfirm.  
 FL Starke WEAG-FM 106.3 Love 106.3 (from  
 "Eagle 106.3"), Stempick, p. 22  
 GA "Valdosta" WSTI 105.3 IDs with that city,  
 but is licensed Outman, Stempick, p. 22  
 IL Arcola WZNX 107.9 Stereo, ID with Charles-  
 ton-Matton, Stempick, p. 26 [p. 26  
 IN Greenburg WOFE 101.9 m, S, Strobel/  
 KY Elizabethtown WOXR 96.5 o, "Quixie  
 98.5," Strobel, p. 26 [Strobel, p. 26  
 KY Frankfort WKED-FM 103.7 Stereo, o,/  
 KY Louisville WZKS 103.9 Country 103.9 (from  
 "Kiss"), Station News, p. 24  
 LA Houma KCIL 107.5 C-107 (from "Bayou  
 Country"), Stempick, p. 22  
 MO Harrisonville KCFX 101.1 ID with Kansas  
 City, Strobel, p. 26 [Nieman, p. 26  
 NY Cape Vincent WFKG 102.7 has stars/  
 NY Irondequoit WMAAX 100.7 (the "FM";  
 WMAAX AM is in Grand Rapids MI; I hope the  
 station always IDs with all six of its call  
 letters!) 106.7 probable format pr, Nieman,  
 p. 25 both columns, Coniglio, p. 24  
 NC Lexington WUGL 94.1 ID with Winston-  
 Salem-Greensboro-High Point, Strobel, p. 26  
 TN Clarksville W244AL \*96.7 has WAYM 88.7  
 Columbia TN (from WZEE 92.9 Nashville),  
 Smith, p. 23  
 TN Dickson WQZD-FM 102.5 is it now "Cozy  
 FM 102.5" (from "Super Audio"), Smith,  
 TN Nashville W265AE 100.9 delete, Smith, p. 23  
 TX Galveston KQK 106.5 Hot 106.5, Stempick,  
 p. 22

NonIDs in Use

Mentioned usually without call letters; "strict"  
 if a station only uses call letters once per hour  
 as required by the FCC (at or near top of hour)  
 DE Millard WAF 97.7 uses calls, not "Waffie"  
 FL Fort Myers Villas WSUV 106.3 Sunny 106.3  
 MO Owensville KLEZE 95.3 2-95, returning to air  
 OH South Western W210 94.9 Z-94, S,  
 OK Ada KTLS 93.3 Stereo 93.3  
 PA Hollidaysburg WHPA 104.9 uses calls with  
 "FM 104.9"  
 SC Greenville WESC-FM 92.5 Country 92 (not  
 green); ID with Spartanburg-Anderson-  
 Asheville (NC)

Multi-City IDs in Use

CT Bridgeport WEZN 99.9 quits four city IDs  
 WI Brule WWSA \*89.9 drops ID with Superior  
**FM Rulemakings Proposed**  
 First date is deadline for filing comments at the  
 FCC; second date is for replies. Stations affected,  
 if any, are listed.  
 AL East Brewton 95.7A, May 22, June 7  
 AZ Sun City 108.3C2 for A, KNC, May 29,  
 June 15 [June 8, 23  
 AR Jonesboro 100.5C2 for 100.3A, KDEZ/  
 CA Fort Bragg 93.5B for 96.7B, KLLK-FM, with  
 Paradise  
 73ily, until July, [June E.



# Television News

Doug Smith, Editor  
14 Brookside Court  
Nashville, TN 37209  
(615) 356-8305 CIS 72777,3143  
W9NH @ W4HHV.TN



#### ABBREVIATIONS USED IN THIS COLUMN:

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

#### APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	HAAT	City
FL	46	2158	146	Panama City Bch.; Beach TV Properties
FL	46	5000	359	Panama City Bch.; Sunkissed Bc. Inc.
GA	63	5000	1161	Monroe; Glendale Bc. Co.
ID	19	76.5	161	Twin Falls; College of Southern Idaho
MT	11	280	645	Missoula; U. of MT
VA	55	1000	144	Hampton; Hampton U.
VI	17	75	442	Charlotte Amalie; Atlantic Bc. Corp.

#### APPLICATIONS DISMISSED

St	Ch	City
CA	38	Santa Barbara; Solar Television Inc.
FL	46	Panama City Beach; Bowers Network Inc.
MO	32	Kansas City; Ch. 32 Bc. Co., Holt Ltd. Partnership, KC Skywave Inc.
VT	44	Burlington; Maple Leaf Bc.

#### CONSTRUCTION PERMITS GRANTED

St	Ch	ERP	HAAT	City
MO	32	5000	322	Kansas City; TV32
WV	59	70.9	430	Lewisburg; WVGTV

#### CONSTRUCTION PERMITS CANCELLED

St	Ch	Call	City
TX	11	KBIT	Sonora
WI	42	WRAH-TV	Sturgeon Bay

#### APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City
KS	33	74.7	140	KWCV	Wichita
MA	48	5000	nc	WYDN	Worcester
SC	63	nc	343	WQHB	Sumter

#### APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
CA	4	43.7	984	KNBC	Los Angeles
CA	22	832	877	KWHY-TV	Los Angeles
FL	68	2844	287	WBCC	Cocoa
FL	17	nc	309	WLRN-TV	Miami
FL	4	nc	304	WTVJ	Miami
IN	30	832	216	WTIU	Bloomington
MS	24	nc	177	WTZH	Meridian
NC	26	4370	500	WJKA	Wilmington
NE	19	767	342	KXNE-TV	Norfolk
OH	55	5000	356	WBNX-TV	Akron
OH	68	294	180	WCOM	Mansfield
SD	12	316	nc	KTTM	Huron
SD	17	197	nc	KTTW	Sioux Falls
TX	65	1600	nc	KJLF-TV	El Paso
WI	28	1172	348	WHWC-TV	Menomonie
WI	36	1056	445	WLEF-TV	Park Falls

#### CONSTRUCTION PERMIT MODIFICATIONS GRANTED

St	Ch	ERP	HAAT	Call	City
CA	29	16.2	334	KZJA	Eureka
TN	54	20	395	WPMC	Jellico
TX	61	2740	552	KZJL	Houston
TX	48	3162	nc	KMZS	McAllen
UT	12	9.8	42	KUSG	St. George

#### CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
CA	50	5010	330	KOCE-TV	Huntington Beach

(huh? I thought 5000kW was the limit!)

St	Ch	ERP	HAAT	Call	City
CA	9	141	970	KCAL	Los Angeles
CA	62	3746	nc	KRCA	Riverside
CO	2	nc	319	KWGN-TV	Denver
HI	20	467	622	KHAI-TV	Honolulu
IN	39	nc	223	WFWA	Ft. Wayne
MA	25	1380	357	WFXT	Boston
MA	68	1350	235	WQTV	Boston
MD	13	215	267	WJZ-TV	Baltimore

(interesting-- a large-market station changing its ERP below the maximum?)

St	Ch	ERP	HAAT	Call	City
MI	33	221	311	WGKI	Cadillac
MI	35	1320	262	WGVU-TV	Gd.Rapids
MI	17	1290	334	WXMI	Gd.Rapids
MI	53	3320	nc	WLAJ	Lansing
MN	17	333	396	KTCI-TV	St. Paul
NC	17	1808	131	WUNE-TV	Linville
OH	44	555	393	WOUC-TV	Cambridge
SD	17	197	151	KTTW	Sioux Falls
TX	65	1600	nc	KJLF-TV	El Paso

#### CHANGES GRANTED TO EXISTING STATIONS (Cont'd.)

St	Ch	ERP	HAAT	Call	City
TX	22	nc	566	KLTJ	Galveston
UT	14	1637	1173	KXIV	S.L. City
WV	60	3890	312	WYVN	Martinsburg

#### CALL LETTER CHANGES FOR EXISTING STATIONS

St	Ch	Old	New	City
HI	6	KVHF	KLEI	Kailua-Kona
IA	15	KOIA-TV	KYOU-TV	Ottumwa
MI	8	WOTV	WOOD-TV	Grand Rapids
MN	23	KTMA-TV	KLGT-TV	Minneapolis
OH	68	WCOM	WMFD-TV	Mansfield
OR	32	KUTF	KEBN	Salem
SC	10	WIS-TV	WIS	Columbia

#### CALLS GRANTED TO NEW STATIONS

St	Ch	Call	City
ID	9	KHDT	Caldwell
MI	45	WGKU	Vanderbilt

(presumably to be a satellite of WGKI-33 Cadillac)

St	Ch	Call	City
MT	18	KWYB	Butte
NC	30	WEOU	Wilson
OR	36	KLSR-TV	Roseburg
TX	10	KTRG	Del Rio

#### NETWORK CHANGES

St	Ch	Call	Was	Now
MI	3	WJMN-TV	ABC	CBS
MI	6	WLUC-TV	CBS&NBC	ABC
WI	2	WBAY-TV	CBS	ABC
WI	5	WFRV-TV	ABC	CBS

These reflect the purchase of WFRV and its satellite WJMN by CBS.

#### NEW STATIONS ON THE AIR:

Flagstaff, AZ: KKTU 13z:  
 1kW, 542m AAT  
 TL 35°14'29"N, 111°36'33"W  
 Elden Mtn., 3km N of Flagstaff  
 Signon 12/31/91.  
 Independent.

Ventura, CA: KSTV-TV 57+:  
 1120kW, 240m AAT  
 TL 34°18'10"N, 119°13'41"W  
 Roughly 5km N of Ventura  
 Signon 10/1/90(?)  
 Galavision affiliate. (Spanish)

Twin Falls, ID: KIPT \*13-:  
 3.98kW, 131m AAT  
 TL unknown  
 Signon 1/17/92.  
 PBS; satellite of KAID-4 Boise.

Indianapolis, IN: WTBW \*69z:  
 10.5kW, 167m AAT  
 TL 39°50'25"N, 86°10'34"W  
 38th & Meridian  
 Signon 4/10/92.  
 Independent educational.

#### NEW STATIONS ON THE AIR: (Cont'd.)

Eugene, OR: KEVU 34z:  
 3070kW, 259m AAT  
 TL 44°00'04"N, 123°06'22"W  
 KVAL-13 site, SW of Eugene  
 Signon 10/31/91.  
 Independent. (Fox?)

Yauco, PR: WIRS 42z:  
 1510kW, 803m AAT  
 TL 18°10'10"N, 66°34'36"W  
 Signon 12/1/91.  
 Independent religious.

Block Island, RI: WOST-TV 69-:  
 17.7kW, 38m AAT  
 TL 41°10'30"N, 71°34'10"W  
 2km E of Beacon Hill  
 Signon 4/2/92.  
 Independent.

#### OTHER STUFF

With the WIS-10 call change above, Bill notes that the FCC usually requires TV stations with 3-letter calls to keep the -TV suffix. (thus making them technically 5-letter calls) However, there are some 3-letter calls on FM without the -FM suffix, KSD-93.7 St. Louis comes to mind.

The Glendale application for channel 63 in Monroe, Ga. conflicts with Trinity's WHSG-63, which recently came on the air. Glendale is the organization which challenged the renewal of TBN's WHFT-45 Miami.

The WJZ-13 move to reduce ERP to 215kW is interesting, as was WHIO-7's reduction to 100kW. (March VUD) I wonder if these are actually auxiliary backup facilities being reported in the wrong category by the FCC?

The L.A. riots are not known to have affected any TV stations, although a production company was burned down, and at least one radio station temporarily broadcast from alternate studios. Six L.A. stations have been subpoenaed by the FBI, which wants their tapes of the rioting, reportedly for evidence for a grand jury probe of the L.A. police department.

Despite criticism in some corners of the recent Commission decision to relax multiple-ownership rules in radio, the FCC is working on also relaxing the rules for TV.

Currently, one firm may own up to 12 TV stations, as long as they cover no more than 25% of U.S. TV homes, and no two stations have overlapping coverage.

Relaxation proposals include:

-Increasing the national total from 12 to 24.

-Allowing a firm to own one VHF and one UHF station with overlapping coverage.

-Reducing the permissible distance between co-owned stations.

-Repeal of the "one-to-a-market" rule that prohibits common ownership of a radio and TV station in the same city. (waivers of this rule seem so routine that it's hardly worth the paperwork to repeal it!)

A World Administrative Radio Conference (WARC) recently concluded in Torremolinos, Spain. Most issues discussed involved shortwave radio or digital audio broadcasting, but two microwave bands were allocated for satellite HDTV. In ITU Region 2 (the Americas), 17.3-17.8GHz will be used; in Regions 1 and 3 (the rest of the world), 21.4-22.0GHz was allocated.

*Broadcasting* reports that the Video Jukebox Network is changing its name to "The Box". Additionally, they're adding more oldies, and the price is declining.

TV Marti ran a 1-day experiment in daytime broadcasting, during a period when the channel 13 station in Cuba is running a test pattern. (something eastern TV DXers are all too familiar with!) Large-scale retaliation against U.S. AM stations resulted; no word on whether the TV Marti signals were able to overcome the Cuban test pattern...

Semi-locally, WKNT-40 Bowling Green has been relaying WGRB-34 Campbellsville's programming. Tom Bryant called the station in late April, and they said the relay will be reversed soon, with WGRB becoming a satellite of WKNT, and both stations becoming Fox affiliates. According to a *NYC Post* article sent by Bill N., WKNT becomes Fox's 139th affiliate.

(As of early May, this swap has occurred. The stations are using the slogan "Kentucky's Newest Fox". They do have separate IDs.)

Tom & I have both received our copies of Dajja Enterprises' (Box 24, Cambridge WI 53523) *TV Station Log*. This is a pretty decent TV reference, showing HAAT, ERP, station address & phone number, network, and transmitter coordinates, and is quite reasonably priced. Publisher Mike Knitter promises LPTVs in a future edition.

On the downside, there are a number of obvious errors and omissions, for example, most KY Educational TV stations being listed as "independent", KMSP-9 listed under channel 6, and most religious stations listed as simply "IND". (admittedly, it's sometimes hard to tell which indies are religious) All told, a worthwhile reference, at least until the Database comes out, and at a much more reasonable price than the *Broadcasting Yearbook* and *Television Factbook*!

## FORUM

Tom Bryant, Nashville TN:

Tom called the night before my deadline to note that WTVW-7 is now also including a channel 35 logo on some of their promos. Presumably, this is a translator, and due to the proximity of WKMA-35 Madisonville, Ky. (about 70km S of Evansville), it must be a fair ways north of Evansville- maybe Vincennes, Ind., or Olney or Lawrenceville, Ill.. My LPTV lists don't show anything likely. Ideas?

Tom Yingling, Dundalk MD:

(via Bill Fahber) Reports Towson State College's W61BT Towson, Md. signed on April 14 with Channel America. Transmitter power is 10w, with plans to go to 1kw.

Keith Short, Columbus OH:

Keith mentions the appearance of W62BE in Columbus on March 25. It's carrying the All News Channel, and signing "WCLS-TV". An accompanying newspaper article from the March 27 *Columbus Dispatch* says the station's antenna is on the WOSU-28 tower in southern Delaware County, north-northeast of Columbus. A phone number (614-899-6262) was supered on the screen, asking viewers to call in with reception reports.

The station was sold within 24 hours of going on the air (!), and the new owners plan local programming. (however, a lot of LPTVs have said that before!) Former owner Paul L. Parshall probably wrapped up the financial condition of the LPTV industry-- and the broadcast industry in general-- in one sentence: "You make money by buying and selling companies, not by operating them."

Keith asks whether it's legal for a LPTV to use a 4-letter callsign like WCLS. Strangely, yes. A broadcast station (LPTV, full-power TV, AM, or FM) can sign any call it wants, as long as it uses its real call for the on-the-hour ID. As

LPTVs are allowed to ID in Morse Code, you may never see the real callsign.

I know of no allocation table for LPTVs; my understanding is that they can operate on any channel that wouldn't interfere with a full-power station or a previously-authorized LPTV. Keith mentions that channel 56, allocated (but not used) for full-power use in Columbus, is being used by W56CA in Delaware, Ohio; LPTVs do often choose unoccupied allocated full-power channels, now-defunct W55AS Milwaukee being another example. Probably the best reason is that these channels have already been proven not to interfere with existing full-power stations, and will be protected from interference by future stations. Also, I'm sure some of these LPTVs plan to some day upgrade to full-power service. The downside is, that if someone else gets a full-power license for that channel, the LPTV is bumped.

Keith also sent an article from the April 8 *Dispatch* mentioning a "get-rich-quick" scheme involving wireless cable TV, also known as Multichannel Multipoint Distribution Service, or MMDS.

The MMDS system itself does work; it involves using microwave transmitters (in the 2000MHz area) to transmit cable-type TV programs to consumers with small dish-type antennas. Licenses for various geographic markets are being issued by a FCC lottery; anyone desiring to try for a license sends an application with a detailed engineering and interference study, and a \$151 filing fee.

Telemarketers are offering to prepare the studies in return for a \$5,000 fee, and promising a rapid and large return on one's investment, through selling the license to a multi-system owner. Problem is, you have to demonstrate to the FCC that you have the financial and technical resources to build; and the lucrative large-city licenses have already been issued.

Bill Niemiadly, Clifton NJ:

Yet more news from the *NYC Post*:

On April 15, the 400 employees of the cable service "The Monitor Channel" were laid off. The channel will continue to air reruns until June 15, hoping to find a buyer.

And on the 21st, an article mentioned the razzing 3 NYC TV weather forecasters took for being 30 degrees off with their Easter weekend forecasts! One, Irv "Mr. G"

Gikofsky of WCBS-2, says he's writing a book-"Don't Blame the Weatherman"! To further harass the poor weather guys.. On April 28th, a cartoon was printed, showing a NYC weatherman, on the air, being handed his 5-day forecast-- by a crew of apes...

Fred McCormack, St. Paul MN:

Fred sent some LPTV notes via Compuserve;

Regarding John Marx's comments about W54BH possibly moving to channel 8 (I got their calls wrong- K54DB was used briefly, after their move from channel 5), Fred says W08CK's CP holder is "Healthy's Inc.", while W54BH is licensed to "WSSM-TV".

The 650 watts ERP mentioned for W04CQ last month is probably in error-- Fred's records show 65 watts, which makes more sense for a VHF LPTV. (VHF LPTVs are limited to 10W transmitter output; it'd be pretty difficult to build an antenna with enough gain to get 650W ERP)

Fred comments on the "over the air Cable TV" in southern Minnesota reported by Randall Tripp last month; "Closer reading (Oakland transmitter site) made it clear that these are the LPTVs granted to Austin MN. The remaining channel which has been granted to this operator at Austin is channel 43." (this is where the 7th basic service will go)

A series of LPTVs doing this kind of thing in Appleton are licensed to "Prairieview TV Inc.", 6545 Cecilia Circle, Minneapolis; the Austin/Oakland LPTVs are licensed to "Television Systems of Minnesota"-- at the same address. This address is, I'm sure, familiar to any Midwest broadcasters in the WTFDA; it's also the home of equipment supplier Todd Communications.

Mike Stone, Clarence IA:

Mike mentions that he, too, has seen the Madison, Wis. weather radar over ham TV station WJ9H on 434MHz. (cable channel 59) That's not bad DX; ham TV stations are limited to 1500w peak output (1.5 times what UHF LPTVs are permitted), but very few even approach this power, 30-40 watts being more common, and I believe WJ9H-TV is running on the order of 8-10 watts! If you're in the Madison area & have a VHF-Hi scanner, (or ham 2m rig) Mike says there's an amateur voice net discussing ham TV on Sunday nights on 146.94MHz.

Speaking of ham TV, the British ham magazine *Radio Communication* reported on an amateur who built, from scratch, a complete portable TV station-- right from the homemade CCD color camera to the 1-watt 1300MHz transmitter to the antenna. John Stockley (G8MNY-TV) carries the entire station on his person; in March, he used it to transmit live video of the Radio Society of Great Britain's VHF Convention to ham viewers throughout the area, via a higher-powered "repeater". (ham term for translator)

Dave Sinclair, Vancouver BC:

An article in the *Christian Info News* for March 23-April 11 confirms my suspicion that 100% religious stations are not currently permitted in Canada. A group of potential religious broadcasters met in Winnipeg recently to attempt to change this, by founding the "National Christian Broadcast Association". This, in light of recent CRTC hearings in Vancouver aimed at several operators of pirate religious TV stations in western Canada-- some of which have been on the air for 8 years!

#### FCC RULES PRIMER

Of course, the coverage area of a TV (or FM) station depends on the height of the antenna, as well as the transmitter power. A TV station running 100kW ERP to an antenna in a valley won't have the coverage of a station whose antenna is atop a mountain.

Tower height isn't a good measure of coverage; the station in the valley could use a 300m tower and still have its antenna well below where the mountaintop station would be with a 20m tower. Height above sea level isn't much good either-- 2535m above sea level (KDUH-4 Scottsbluff, Nebr.) sounds like a lot, until you realize the entire city is 1925m ASL! On the other hand, in Orlando, WCPX-6's 510m ASL is quite a bit, given that the city itself is only 20m ASL.

Because of this, the FCC came up with the concept of "Height Above Average Terrain", or HAAT. The tower heights of FM and TV stations are regulated in terms of this, rather than the physical height of the station's tower.

To calculate HAAT, a station first plots its transmitter location on a topographic map. Next, 20 radicals are plotted, extending 10 miles from the transmitter, starting due north (0°) and appearing every 30°.

Then, points are marked on each radial, at 2 miles from the transmitter, and every mile after that, up to 10 miles. Using the ground contours on the topographic map, the elevation above sea level of each of these points is determined.

Finally, the elevations of all 180 points are averaged. The result is the height of average terrain, in feet above sea level. HAAT of the antenna is then calculated by determining the height above sea level of the antenna, and subtracting the height of average terrain from it.

In the case of Denver, while KCNC-4's antenna may be 874m above the city, the huge mountains west of the city (and just slightly west of the antenna) bring the station's HAAT down to just 450m. On the other hand, with no mountains in South Florida, WTVJ-4's antenna, 303m above the city, is still 290m AAT.

FCC actions do indicate the height of the tower itself, and the height above sea level. Presumably, the height of the tower itself is specified so the FAA can be informed, and can determine whether the tower poses a hazard to aircraft. (a 300m tower in a valley is still a hazard to aircraft flying within the valley, even if it doesn't radiate much of a signal!) I don't know why height ASL is specified.

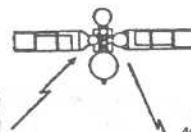
Sometimes, nonsense data appears for HAAT, AG, or ASL. Often, a station will make changes to its tower-- without moving the tower site--and the height above average terrain, above ground, and above sea level will all change by different amounts.

Less explicable is what happened to WIRS-42 Yauco, P.R.. Their original application was for 600m AAT-- and 118m ASL, which means that average terrain in that part of Puerto Rico is 482m (almost 1600 feet) below sea level! And they told me Death Valley was the lowest place in the U.S.!

Been seeing hints of E-skip here, also a few tropos-- nothing too exciting (though a few new ones have been logged on FM) but enough to show that the DX season is upon us..

73 Doug

## SATELLITE NEWS



George W. Jensen  
4604 Anntana Avenue  
Baltimore, MD 21206-4220

It has been a time of hello and goodbye since the last column - Goodbye to Westar 5 and Hello to Galaxy 5.

As planned - Westar 5 ceased operation about May 5th and Telstar 303 assumed its position at 123 W. Galaxy 5 has begun operation at 125 West as scheduled. There is no change in the transponder assignments on Telstar 303. Some old Westar services have moved to other locations. Caribbean Superstation is supposedly to be located on Galaxy 6 XPDR 22. Group W Videoservices Pittsburgh on Telstar 301 various transponders Midwest Sports Channel on ASC 1 XPDR 22 (128 W). Some new services and changes before we tackle G-5. Pro-Star (sports programming for Sports Bars) C1 XPDR 13. proposed - Turner Cartoon Network - Galaxy 1 XPDR 8 on October 1st, '92 proposed - Showtime Flix to offer competition to Encore in August 1992 - bird and XPDR unknown. USA Network's Sci-Fi Channel on G5 in late September. SUR from Lime, Peru with its mix of Latin American newscasts and entertainment programs // to PanAmSat 22 is on Spacenet 2 changed to XPDR 22.

The first users of Galaxy 5 up to this writing on May 12th were Trinity on XPDR 3 and Shop-At-Home on XPDR 10 from time to time.

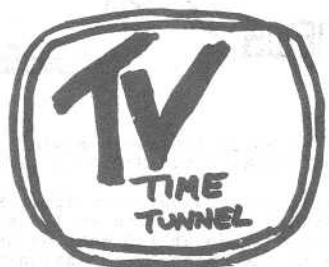
- XPDR 1 - 2 differing reports here - Comedy Central East and Disney East
- 2 - n/a
  - 3 - TBN - Trinity (on air)
  - 4 - USA network
  - 5 - CNN
  - 6 - Superstation TBS or Univision
  - 7 - WGN - Chicago
  - 8 - HBO - West
  - 9 - ESPN
  - 10 - The Movie Channel - East
  - 11 - EWTN or Family Channel - East
  - 12 - Monitor Channel - if its still around
  - 13 - CNBC or Country Music Television
  - 14 - Movie Channel - west
  - 15 - WWOR or HBO East
  - 16 - Showtime - West or Cinemax West
  - 17 - TNT
  - 18 - The Nashville Network
  - 19 - USA or New Inspiration Network
  - 20 - BET or Galavision
  - 21 - USA or Mind Extention University
  - 22 - Discovery or CNN Headline News
  - 23 - A and E or HBO East
  - 24 - Disney

Only time will tell who will be where..... one last new item - C1 - XPDR 1 - Chinese service from TVB - Hong Kong Jade Network with a USA service here in evenings That's all for now - see you in 30 and hope to have better updated news on Galaxy 5

*George*



During the process of spring cleaning, I ran across several items that had not been adequately addressed in previous columns. They are the seat of this month's Time Tunnel.



WRITTEN BY:

TOM BRYANT  
849 TODD PREIS DRIVE  
NASHVILLE  
TENNESSEE  
37221  
615-646-2000

## L O O S E E N D S

**CKTV vs CKCK-tv:** Yeah, I know this one has been reshaped umpteen times, but let's trot it out once more, because some folks are still confused. About 10 years ago the Regina channel 2 Es mega-hopper went on a promotional binge to establish a new identity as 'CKTV'. The campaign was immensely successful. [I was suckered in, too. While vacationing in Bismarck about 8 years ago I ran into a crew from the station and asked the guys if there had been a call letter change. "Oh, yeah...we're CKTV now!" Hey, that was good enough for me.] Anyhow, in later discussions with knowledgeable WTFDAers, serious doubts about the validity of CKTV were raised; and I finally made a call to their chief engineer. He stated that shortly after the CKTV slogan was introduced, the promotion department (erroneously) got its hands on station update reporting forms from the likes of BROADCASTING YEARBOOK, TV FACTBOOK, WORLD RADIO AND TELEVISION HANDBOOK; and indicated a call letter change conforming to their promotional campaign. It's taken the better part of ten years to get the listings back to CKCK-tv; but even in 1992 publications, there are still occasional references..mainly low-power repeaters..to CKTV. BURN THIS INTO YOUR MEMORY CELLS...CKTV NEVER EXISTED AS A LEGITIMATE CALL SIGN! It was, is, and always has been CKCK-tv.

**WXMT:** Nashville's channel 30 has completely dropped Home Shopping programming and is now a full-blown independent. The former Fox station went full-time HSN when WZTV (17) snared the Fox affiliation, but began to chip away at the "shop 'til you drop" content about a year ago. With little or no promotional effort, WXMT now offers the standard indy menu of cartoons, sitcoms, sports, movies and religion. I mention this because tropo hounds seem to get this one all over the south, east and midwest..and may not be aware of the non-shopping status.

**ERRATA:** In last month's article on the Paducah (et al) ADI, I stated that WTCT (27) was owned by TBN. Not true. It is owned by Tri-State Christian Television. That's hardly significant when you consider that WTCT as well as the other three or four stations under this ownership appear to be 24 hour TBN carriers. Mention was also made of the possibility of a different call in the early days of WCEE-tv (13) in Mount Vernon, IL. That must have been a figment of my imagination; but it was pointed out that WCEE-tv did have a previous life elsewhere in IL. It was the original call for channel 23 in Freeport (Rockford)..now WIFR-tv.

**UPCOMING:** (#1)-I have accumulated a mountain of historical information pertaining to Crosley Broadcasting of Cincinnati, and should have it in some sort of usable form in the next couple of months..still looking for a bit more info on the post-Crosley television operation. (#2)-Finally.. the full scoop on the short-lived RCA/Westinghouse swap of Cleveland and Philadelphia facilities in the mid '50s. (#3)-Among comments from readers, the 'PATTERNS' feature [2/91] seems to rank highest in popularity. Good news! I already have enough contributions to do a sequel; and better than that, have connected with a couple of sources who may be able to supply a lot more. Those old circular test patterns sure caught our fancy back in the early days of tv; and they seem to be a hit with the younger enthusiasts as well. Let's face it..they were a lot more interesting than color bars...especially UN-ID'd color bars!

# WTFDABBREVIATIONS

By Gary Walczak

ALL THOSE abbreviations in the U.U.D. (sorry, I mean UHF UHF DIGEST!!!) sort of drive you up the wall don't they! Well fellow DXers (DXer = one who tunes for distant signals, as in DX = distance) you've got to admit that such shorthand is necessary in our magazine, for space sake! In fact, all DXing clubs make a lot of use of abbreviations, and FM & TV DX enthusiast types share many of them with the rest of the DX world. IF YOU are new to the WTFDA and the pages of the U.U.D., or even if you are a long term reader, the following list (derived from club new member sheets) may help you out....

## PROGRAM INFO

ABC - American Broadcasting Company  
ANT - Antenna  
AP - Associated Press (Radio News)  
CBC - Canadian Broadcasting Corp.  
CBN - Christian Broadcasting Network  
CBS - Columbia Broadcasting System  
CTV - Canadian Television Network  
EE - English language  
FF - French language  
GMT - Greenwich Mean Time  
ID - identification  
MBS - Mutual Broadcasting System  
mx - music  
NBC - National Broadcasting Company  
NPR - National Public Radio  
nx - news  
PBS - Public Broadcasting System  
PRN - Physicians Radio Network  
PTL - PTL Television Network  
SS - Spanish language  
SSB - Star Spangled Banner  
SSB - single sideband  
sx - sports (yeah, really!)  
TVO - TVOntario  
UHF - Ultra High Frequency  
UPI - United Press International  
VHF - Very High Frequency  
wx - weather

## TYPE OF PROPAGATION

AS - aircraft scatter  
Au - auroral scatter  
Es - sporadic-E (E-skip)  
F2 - F2 layer skip  
GW - groundwave  
LS - lighting scatter  
MS - meteor scatter  
TE - transequatorial scatter  
Tr - tropospheric bending (tropo)

## VUD TIME NOTATION

All columns use 24-hour time  
0000 = midnight & 1200 = noon  
(e.g., 1351 = 1:51 p.m.)  
R - relog (logged previously)  
N - new logging  
T - tentative logging  
// - parallel to, same program as  
f/in (out) - fade in (out)  
s/on (off) - sign on (off)  
t/in (out) - tune in (out)

## TEST PATTERNS

3/4CB - three-quarters colorbars  
CB - full color bars  
GS - grey scale (B/W)  
IHTP - Indian Head Test Pattern(B/W)  
TP - test pattern

## MISCELLANEOUS ABBREVIATIONS

AAT - (height) above average terrain  
ACI - adjacent channel interference  
AGC - automatic gain control  
AN - all night  
BCB - broadcast band  
B/W - black & white  
CATV - community antenna TV system  
CCI - co-channel interference  
CE - chief engineer  
CM - coverage map  
coax - coaxial cable  
CP - construction permit  
CRTC - Canadian Radio-TV Commission  
dB - decibels (unit of gain)  
dish - parabolic reflector antenna  
ET - equipment test  
f/b - front-to-back ratio (antenna)  
GM - general manager  
h - horizontal polarization  
lcl - local  
MUF - maximum usable frequency  
MW - mediumwave  
NSP - no silent period  
OC - open carrier  
PSA - public service announcement  
QRN - static  
QRM - interference  
QTH - location  
QSL - verification  
RS - regular schedule  
SCA - subsidiary comm. authorization  
STL - studio-transmitter link  
stn - station  
SW - shortwave  
TT - test tone  
TVG - TV Guide  
v - vertical polarization  
w - watts (kw = kilowatts)  
xltr - translator  
xpdr - transponder  
xmtr - transmitter  
\$ - stereo  
73 - goodbye

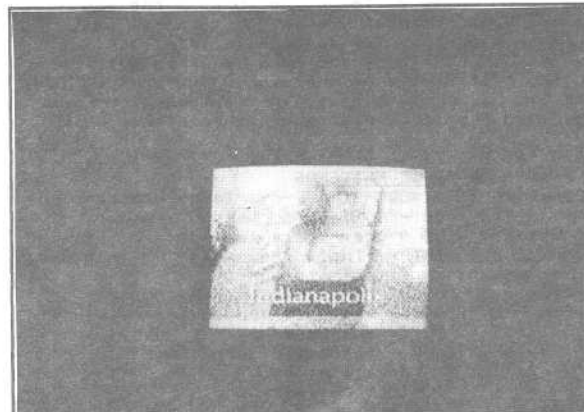
See also the FCC FM NEWS column for listings of standard FM format abbreviations. The list above covers the most popular ones--there ARE more!



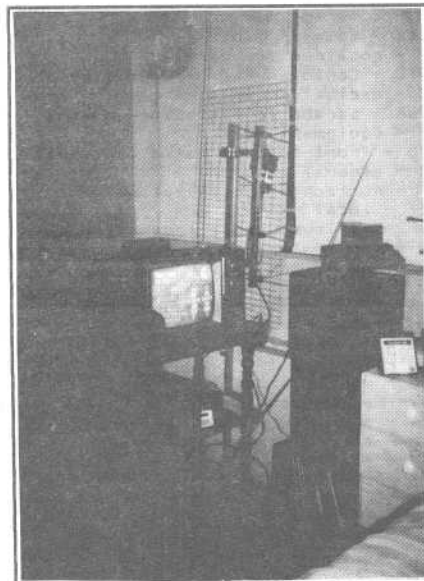
MAILING ADDRESS:  
PHOTO-NEWS  
12284 Nice Road  
Akron NY 14001-9529

JUNE 1992

From Matt Sittel - Kingsport Tennessee we have a DX photo and one of his Raleigh North Carolina college set-up.



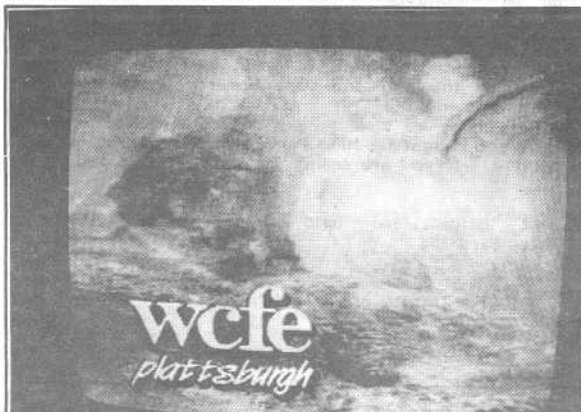
WISH-8  
Indianapolis Indiana  
298 mile tropo  
seen December 22, 1991  
at 0130 EST  
{DX from Kingsport TN}



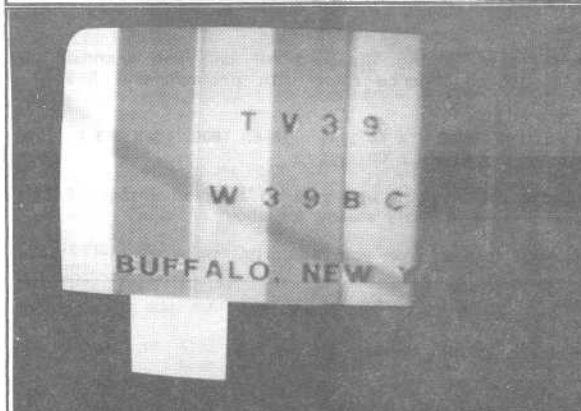
Raleigh NC college DX set-up  
UHF 4-bay with Winegard  
CP-4800 preamp  
Bearcat 210 XLT scanner  
on top of speaker  
Sanyo 13" color TV  
under it:  
GE VCR  
Sony STR-AV340 receiver  
Yamaha TX-900U tuner  
Sony dual cassette deck  
Archer rabbit ears for FM

"the holidays produced lots of stuff in Kingsport TN (33 new on FM, places like Kokomo, Indy, Birmingham, Montgomery and Meridian Mississippi.) Not much in Raleigh though earlier this week [letter dated 2/1/92 djn] I got Augusta, Georgia and Charleston South Carolina on UHF."

Next is DX from Greg Coniglio - Williamsville New York equipment: Emerson Color TV, Teknika TVC-22 tuner, Jerrold 10 element VHF antenna, 4-bay UHF antenna with a Channel Master 0071C preamp. Both antenna are roof mounted on a Channel Master rotor. Leadin is CAC-11 on the VHF and RG-6 on the UHF.



WCFE-57  
Plattsburgh New York  
266 mile tropo  
seen December 28 1991  
"over CITY-TV Toronto at 64 miles"



W39BC  
Buffalo New York  
12 mile Groundwave  
seen February 2 1992  
"new local testing"

Thanks for the photos Greg; hope to see you at the 1992 WTFDA convention??

Chris Dunne - Pembroke Pines Florida checks in with another Cuban DX catch.



Tele Rebelde2-13  
Matanzas Cuba  
210 mile tropo  
seen March 15 1992

Thanks Chris



# WESTERN TV-DX

June 1992

Fred McCormack  
Box 17860  
St. Paul MN 55117-7860

Deadline: 07-09-92  
Cut-off: 04-01-92

There were at least a couple of hot tropo openings in April. Jeff Kruszka noted 500+ mile tropo from Louisiana to Texas on the 22nd and Dave Pomeroy noted 500+ mile tropo from Kansas to Texas on the 30th (and into May 1st). April E skip was reported on the 9th, 18th, and 20th. Going back in time, we also have a report of some excellent Wisconsin to Arkansas/Kansas/Missouri tropo caught by Mike Parks last February.

E skip should be rolling in by now. If you are seeing it, report it! No report is too small!

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

HSS Home Shopping Spree TBN Trinity Broadcasting  
TAB Three Angels Broadcasting

TA Tamulipas

Eric Sundius, Box 513, San Miguel CA 93451

PDT

**Equipment:**

Samsung 13" CT-334KA color w/rotary tuning, Winegard VHF only and Channel Master 6' UHF dish both at 10' on Alliance rotor with preamps and RG6 downlead.

April 1992 18 Es 1508 KAMR 4 TX 1055 18 Es 1600 KSWK 3 KS 1090  
18 Es 1500 KACV 2 TX 1060 1515 KOAA 5 CO 905

Thanks to a call from nearby Jim Pizzi, I was able to take advantage of this surprising April opening. KACV was coming in fairly steady for about an hour.

(Welcome to Western TV-DX! Hope to hear from you regularly. fm)

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

CST/CDT

**Equipment:** See May 1992 Western TV-DX

April 1992	5 tr 2015 W69BT 69 IN 200	14 tr 2125 WUCX 35 MI 185
3 tr 0712 W54BK 54 IN 205	(South Bend WCIU-26)	(Stronger)
(Chesterton LPTV)	6 tr 2058 W40AN 40 MI 95	17 tr 2024 W20AG 20 WI 55
0732 W24AW 24 IN 205	(Escanaba WLUK-11)	(Sheboygan TBN)
(Valparaiso LPTV)	W40AK 40 MI 110	(See Note)
W18ATt 18 IN	(Muskegon CHA)	18 tr 2231 WUSI 16 IL 402
5 tr 1215 W54BK 54 IN 205	2101 WGKI 33 MI 115	WVUT 22 IN 405
1538 W18AT 18 IN 195	(w/ WWTW-9 News)	27 tr 1930 W54BK 54 IN 205
(Gary LPTV)	W08BW 8 WI 55	W24AI 24 IN 190
(Snow free past WVT)	(Sheboygan LPTV)	1949 W18AT 18 IN 195
W24AI 24 IN 190	(Lakeshore Technical)	1950 W25BM 25 MI 180
(Michigan City TBN)	9 Es 1228 unid ch 2- weak	(Berrien Springs TAB)
2015 W69AV 69 MI 95	14 tr 2125 CITY2 31 ON 350	2034 W24AWt 24 IN
(Leland WCML- 6)	WUHFt 31 NY	W69AV 69 MI 95

Note - W20AG - Across top of screen - "Viewing problem? 458-9197". I called the number and got a recording explaining tests in the Sheboygan area and calls were supposed to be returned explaining how to cure reception problems. No one called me back. I asked what kind of reception problems they were experiencing. (Probably WYCC-20 co-channel interference).

I saw the other two Dunes Television Network UHFs on channels 18 (W18AT) and 24 (W24AW). I looked for the one on channel 13, but nothing noted except WZZM. I saw two of the Dunes Television Network UHFs tonight (April 27th) and they both were still running the slides I told you about in my last report.

I got my 40 foot tower back up but have yet to put the antenna on it (low band) which will probably be done this week. Bring on the E skip!! 73, Bill

Western TV-DX

June 1992

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

CDT

**Equipment:**

Sylvania 12" black and white, quad loop cut for channel 2, Radio Shack U-75 corner yagi. Mitsubishi HS-U31 VCR.

April 1992	22 tr 2105 XHAB 7 TA 526	22 tr 2334 KAVU 25 TX 390
20 Es 2007 unid 2 brief	2118 Spanish audio 2	23 tr 0002 KRRT 35 TX 521
22 tr 0630 Houston 11,13	2224 KFDm 6 TX 226	0006 KXXV 25 TX 433
0643 KUHI 8 TX 318	( See Note # 2 )	to bed
( See Note # 1 )	2304 KXAN 36 TX 454	

Note # 1 - Floaters seen under local WVUE. Recognized "8" logo from trip to Houston.  
Note # 2 - Nulled out local WDSU to watch KFDm local news.

The tropo opening on the night of 4/22 was a lot bigger than my report shows (I just happened to be targeting certain stations!). It seemed to start on VHF hi band and spread from there. VHF CCI was the heaviest I've ever seen for tropo. One correction on last month's report - the "new" tropo logging of KENS 5 should have been KENS; I forgot I received it by E skip last summer!

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

GST

**Equipment:**

Channel Master 1110 Quantum with Winegard PA-1375 preamplifier and RG-11U at 30', Channel Master 4228A with Winegard PA-4975 preamplifier and RG-11U at 35', Alliance HD-73-1 rotor, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

February 1992	5 tr 0344 K28AE 28 MN 162	5 tr 0413 KPTM 42 NE 359
2 tr 1940 K19CA 19 MN 145	(Fairmont TBN)	0420 KWCH 12 KS 581
(St. James KEYC-12)	0345 K39AJ 39 NE 390	0430 KHBS 40(OK) 725
5 tr 0210 KTAJ 16 MO 416	(Malcolm TBN)	0505 @KCP 19 MO 451
KDEB 27 MO 568	unid channel 33	KSAS 24 KS 592
0218 KOLR 10 MO 567	( See Note # 2 )	0605 KSPR 33 MO 567
0323 KAAS 18 KS 507	unid channel 32	
0344 unid channel 22	( See Note # 3 )	
( See Note # 1 )	0408 KMCI 38 KS 473	

Note # 1 - K22AE (TBN), New Ulm MN, video - Home Shopping Spree audio, or possibly KARE-11 audio as they were carrying HSS at the time.

Note # 2 - CBS Nightwatch video and very low volume audio on an azimuth of about 215°.

Note # 3 - K32AF (KSTP-5), St. James MN, video - CBS Nightwatch audio (normal volume) at 215°. Normal KSTP-5 audio with antennas toward St. James (233°).

After puzzling over the three bizarre loggings noted above, I believe I have come up with a possible explanation. All three could occur through the errant operation of two KUON-12 translators in Nebraska: K33AC, Pawnee City, relaying KWCH-12 and KELO-11 audio one channel down, and K23AA, Beatrice, relaying an unknown channel 12 (channel 23 output buried by KTMA-23) and KARE-11 audio one channel down. However, I have my doubts about this scenario as both translators are not that far apart, yet each would have to be receiving a different channel 11. This is possible as KUON's transmitter location would have K33AC's receiving antenna oriented almost straight toward Sioux Falls, while K23AA's would be aimed at a point approximately midway between Sioux Falls and Minneapolis. Yet I'm still not convinced. Does anyone have another possible explanation?

K35CY, Minneapolis, returned to the air on March 27 or 28 and is carrying Home Shopping Spree 24 hours a day.

73, Mike

(Your scenarios are plausible, but there may be another explanation for at least one of your unids. If KAKE-10 carries Home Shopping Spree overnight, your unid channel 22 may have been their K22CP in Salina. With 928 Watts erp, at 529 miles from Amery, it would have been an exceptional logging, but certainly not an impossible one. Was KAAS-18 from Salina extra strong?

As for two nearby translators receiving different channel 11s, that is quite possible. At Redwood Falls, Minnesota, both KELO-11 and WTCN-11 (now KARE) used to be received directly on the same tower and translated to channels 58 and 68. fm)

Dave Pomeroy, 2321 SE Libra Court, Topeka KS 66606-1827 (913-266-5477) CDT

**Equipment:**

VHF: Radio Shack VHF/UHF (model unknown). Channel Master 6' UHF parabolic with Radio Shack preamplifier.

The last few days have produced some good tropo with a few new stations:

<b>April 1992</b>	30 tr 0230 K64BS 64 KS 110	30 tr 0730 KHBS 40(OK) 280
29 tr 2200 KDOR 17 OK 175	(Concordia w/KMBC-9)	WHSL 46(MO) 285
(Over K17CK)	(Normal KOOD-9)	KETK 56 TX 485
K15DD 15 KS 130	unid 42 se TBN	KTBO 14 OK 260
(Wichita LPTV)	unid 20 se HSS	0930 KXON 35 OK 190
(Over K15BQ)	KDNL 30 MO 290	
K59DA 59 KS 130	0530 KEMV 6 AR 290	<b>May 1992</b>
(Wichita TBN)	0545 WICS 20 IL 335	1 tr 0000 KXTX 39 TX 450
KTLC 43 OK 260	WRSP 55 IL 335	KFWD 52 TX 445
KOCB 34 OK 260	0600 KJTL 18(OK) 375	KNCT 46 TX 565
KTFO 41 OK 210	WYZZ 43 IL 360	KXAN 36 TX 615
30 tr 0230 K71BO 71 KS 75	KTAB 32 TX 515	0030 KBVO 42 TX 615
(Herington KAKE-10)	KWKT 44 TX 540	KUVN 23 TX 430
K20BU 20 KS 170	KDAF 33 TX 450	KWTV 9 OK 260
(Russell KAKE-10)	0625 KXTX 39 TX 450	KOCO 5 OK 260
K22CP 22 KS 105	WSEC 14 IL 295	0037 KSMO 7 OK 375
(Salina KAKE-10)	0630 KTEN 10 OK 325	0730 WWT0 35 IL 385
K14HK 14 KS 170	0722 KFWD 52 TX 445	3 tr 0500 K35CO 35 MO 90
(Great Bend KSAS-24)	0730 KOKH 25 OK 260	(Cameron CHA)

Strong signals from Omaha, Red Oak (IA), and Clarinda (IA) UHF translators (56,59,60,64) this morning along with 22 in Salina and 64 in Concordia.

(A likely explanation for your channel 42 TBN is K42BS, Fayetteville, Arkansas. Jeff Kadet and Frank Merrill have both noted Home Shopping Spree on channel 20. Indications are that it is K20CT in Springdale, Arkansas. Jeff has seen it a number of times, always when Fayetteville is in. fm)

## NEW LOW-LOSS BALUNS, UNIQUE PRE-AMP AVAILABLE TO UHF TV DXERS

by Jim Dietrich, RDH LABS

I've just read Mark McCarthy's article in the May 1992 VUD (page 30) entitled "Eliminating the Weak Link in the UHF Chain" that relates to the deficiencies of 300/75 ohm balun transformers at UHF. Perhaps many W7FDA members are not aware that we offer two commercial quality devices that eliminate the problems of high losses and high VSWR in these components. The model UA-75 UHF Balun has a loss of only 0.1 dB typical and a VSWR less than 1.2 while our model UA-60 VHF-UHF Balun covers the entire 54-806 MHz range with a loss of 0.3 dB at UHF. These devices are made for outdoor use with an encapsulated package that is totally sun and weatherproof. Quite frankly, either of these units represent the cheapest and easiest way to improve any type of UHF antenna system.

In addition, we offer a high performance, state-of-the-art UHF amplifier model UA-900 with features no other amp has such as built-in low loss balun and bandpass filter, GaAs FET amplifier circuitry and a small encapsulated package. The total noise figure is 1.0 dB and the gain is 20 dB, an optimum level at UHF for high sensitivity and overload resistance. The unique package is slightly larger than a conventional outdoor balun so that the amp can be easily connected right at the antenna terminals for maximum performance. The significance of the package is that it also acts as a heat sink for the electronics inside and furthermore does not become hot in direct sunlight the way an aluminum enclosure does. As a result, the electronics run much cooler and with greater reliability. I've had a UA-900 up at the antenna in my own UHF system for almost two years now, running 24 hours a day and it continues to give excellent results.

A number of DXers around the country are using these components but apparently there are still many who don't know that this technology is available. I plan to have units at the Convention later in the summer or anyone interested can drop me a large SASE for complete information at P.O. Box 88 Derby, KS 67037.

# EASTERN TV-DX

Bill Nienajadly  
N2QJJ-Amateur Radio  
PO Box 2999  
Clifton NJ 07015-2999  
201-478-3044

JUNE 1991 Log cut off 3 Months Deadline-The 5th  
For TV Dlxers in AL,CT,DC,DE,FL,GA,IN,KY,MA,MD,MI,NC,NH,NJ,NY,OH,PA,RI,SC,TN,VA,VT, & WV & ME.  
Provinces of NB,NF,NS,ON,PE,1, & PQ-The Carribean-Europe-Greenland-Scandinavia-Mideast & Clifton  
Jeff Wolf 1131 University Blvd W, Apt 701 Silver Springs MD 20902  
2/7/92 Tr 0138 WYED 17 NC 0138 WRDC 28 NC 0146 W1R 29 VA  
4/8/92 Tr 0156 UNID 16 CCI 0714 WYED 17 NC 4/10/92 Tr 0155 WLYH 15 PA 4/19/92 Tr 1352 WYED 17 NC  
The UHF I mentioned in my report, March 1992 VUD is a twin bowtie, not twin lead bowtie.  
WCA 20-DC off the air on 4/27/92. Still not on the air as of 5/1/92.

Ed Phelps Rt 2 Box 266 Benton KY 42025 502-527-2289 NNZE (Phoned into ETVDX)

4/28/92 Local WSL 3 was off and received WCIA 3 IL at 0035  
5/1/92 Tr 0130-0800 KSMO 7 OK 610 KERA 13 TX 570 KTVT 11 TX 570 KXTX 39 TX 570 K&K 44 TX 640 KDSM 11 IA 442  
KJVM 23 Garland TX ex-KLAB 512 mi KRIN 32 IA 420 KIIN 12 IA 372 KDIN 11 IA 443 W58BV Springfield/WSEC 14  
WMEC 22 IL 277 WSEC 14 IL 222

AL,GA,MS,LA TX,OK,KS,MO,IA,IL,IN,KY,TN,WI on VHF/UHF (Wow A VERY IMPRESSIVE OPENING,STUFF LIKE THAT DOESN'T HAPPEN IN NJ!-BN)

Jerry Beaudin Co Rd 468 McMillan MI 49653

March 3 1992 Tropo

0844 KSMO 15 MN 395 0909 KSAX 42 MN 454 0915 KVRR 15 ND 529 0923 KOMY 14 ND 744-see note below  
0928 KOSD 16 SD 575 1059 KBMY 17 ND 717 -audio ID only

Note: Very weak-no positive I.D. but same programming and ads as ch 17. Later IDed as KBMY-both satellites of WDAY Fargo ND.

Tom Bryant 849 Todd Preis Dr. Nashville TN 37221  
4/15/92 Tr 2000-0000 (Highly selective enhancement to WSN,WNV & N. All U's within 150 miles virtually s/f)

4/16/92 Tr 0047 KTEJ 19 AR 217 (cb's with AETV-AR)  
4/17/92 Tr 2200 W64AV KY 68 (PBS/KET Ipttv-Hopkinsville) 2359 W54AE KY 141 (1ptv Paducah/WTCT (27) Marion IL)

Comments: February and March were almost totally devoid of activity of any kind. A few MS bursts noted but nothing I'd. One March opening provided excellent videotape of KOZK 21 Springfield, MD signoff. 40 in Bowling Green, KY is back on with new call, WKNT (now Fox/WGRB (34) Cambellsville, KY.) More detailed info forwarded to TV NEWS-Doug Smith. WLCN (19) in Madisonville, KY IS ON, but definitely not the with the 2676 kW listed. They are religious with some local origination. Midnite 4/15 they were airing a local show which mentioned that they didn't have all the technical gear they once possessed (re-possessed, maybe ?); and asking for \$\$ to get back full steam. WLCN very weak while WQMA (35) with 513 kw was s/f. The 1ptv on 64 from Hopkinsville, although not that far, was a nice surprise as they only run 744 watts ERP. Total station count now 319. With warmer temps and ES season, almost here, things ought to start picking up (I HOPE)! 73's and goodDXing, Tom.

Christopher S Dunne 21541 NW 8 Ct Bx 81 Pembroke Pines FL 33029-1085 Teknika TVC-22 tuner Sony 9" Trinitron Gemini. 20 antenna (rabbit ears)

Only one station worth reporting, but a rare catch indeed...

4/1/92 Tr to BAHAMAS (No April fool),,,,,,1115 ZNS 13 BH 200 miles.. "ZNS Sports, bought to you by Esso." Probably just as directional as TV MARTI, and tough to catch: last (tentative) logging in 1987! Oh yes, Nassau's FM 104.5 was in \$ for the first time from here. Country # 5! Look out for Spring/Summer ES.....73s

(Nice going! I have never seen this logged in ETVDX before, you might be the first TVDXER from the US to log it-BN)

Rich Shaftan 39 Old Middletown Rd Rockaway NJ

1992 DX

1/6 ES 2331 CUCB 4 NS	1/26 Tr 0200 UNID 50 to NE	3/16 Tr 1242 UNID 64 HSC-SSW
1/7 ES 1059 UNID 3 CBS	WNDS?-NH?	4/16 ES 1000 MUF 2-cci
1/9 GW 0800 W24--- PA	1/27 Tr 1119 UNID 38 WNV-HSC	4/21 Tr 0019 WDCD 19 MA-s/f
Stroudsburg-CHA	2/2 Tr 2056 cci 29-Buffalo?	4/28 ES 0935 2,3,4 -cci
1/20 ES 1724 WTVJ 4 FL-wx	3/5 Tr 0105 PA-15-38,Bing 34,	4/30 Tr 0030 Providence 64 s/f-25,38 Boston,
1730 WPBT 2 FL-co/LCL	40,46,WNY-24 Syr @ 0111	MA 27 WMLL,56 Cambridge
1/26 GW 0018 W53AA NYC	0154 WBS 47 PA-ment Pitts	0100 UNID WNDS-t, 66 MA HSC, 68 cci BOS.
		5/1 ES MUF 2-cci

Dude from Joisey PO Box 2999 Clifton NJ 07015-2999 N2QJJ 201-478-3044

4/30 Tr to CT & LI in Morn 5/7 ES 1828 KIMT 3 IA 5/9 ES 1310 MUF 2 5/12 Tr 0730 Boston U's-s/f  
5/5 ES 1800 KMTV 3 NE 1840 MUF 5 NBC 1708 MUF 2 5/15 ES 1800 MUF 4 -TX-?  
1815 MUF 5 NBC 5/8 ES 1150 MUF 107.7!!! 42.12 mhz MD.police In for a hour or so

It is about time I reported to my own column! So far in Early May there has been much E-skip and one even reached the FM band at 107.7! I am now N2QJJ, I passed my no code Tech Ham license I plan to go to General in time.Its a written 2 part test, half the stuff on it is material we W7FDA-ers know already-go for it. Bolin's phase box works great on ch 2-6 in addition to FM. I am able to knock down my 12 mile NYC loband locals enough to see E-skip better! Buy it!  
NEXT MONTH IN ETVDX-A TV DX REPORT FROM NIGERIA! AND...ALL YOUR E-SKIP CATCHES! THE SEASON IS HERE!!!! DXDXDXDXDXDXDXDX

# SOUTHERN FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

JUNE 1992

DEADLINE: 14th

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

## ES SEASON KICKS OFF ON FM IN THE SOUTH MAY 6th

Keith D. Pugh, 227 Martin St., New Hope, AL 35760

Equip.: McIntosh MR-78, Probe 9, RG6 coax  
2/7 gw

1617 W254?? 98.7 AL Florence? (103.3 WKDF

Nashville xltr)

2/18 tr

2050 WAMB 106.7 TN Donelson, m, ID, \$

2200 WWZZ 93.1 TN Karns, k

2208 WAXM 93.5 VA Big Stone Gap, "93-X"

3/28 tr

1106 WDAV 89.9 NC Davidson, ID

1901 WAYM 88.7 TN Columbia, \$, ID

4/2 gw (new to air)

1923 WKFL 96.1 AL Florence, rm, \$, 96X

4/23 tr

1641 WPAV 104.1 OH Portsmouth, Power Kountry

4/24 gw (new to air)

2226 WLB1 98.7 AL Warrior, rm, \$

5/6 Es

1224 unID 91.1 FF Canada, \$

1239 KQRS 92.5 MN Golden Valley, KQ-92

1254 KBNW 99.5 MN International Falls, g

1257 CBQST 95.7 ON Sioux Narrows, CBC

1300 CKSE 93.5 ON Kenora, FF, ID

5/8 Es

1059 KFSTt 94.3 TX Fort Stockton

5/8 Es

1100 XHEM103.5 CH Ciudad Juarez

1104 KBNA 97.5 TX El Paso, SS, ID

1107 KCHX 106.7 TX Midland, ads, "Foxy 106"

1109 XHH 100.7 CH Ciudad Juarez, El Paso ad

1111 KFSM 99.9 TX El Paso, ID

1112 KODM 97.9 TX Odessa, ID

1114 KLAQ 95.5 TX El Paso, rp, ID

1117 KCRS 103.3 TX Midland

1121 KAMZ 93.1 TX El Paso, Z-93

1125 KMRK 96.1 TX Odessa, k, \$, ID

1134 KRWG 90.7 MN Las Cruces, ID

1135 KTEF 88.5 TX El Paso, wx

1144 K??? 98.7 NM Truth or Consequences

"98 plus rocks Las Cruces"

1148 KGESE 99.9 TX Monahans, area wx

1201 XHNZ 107.5 CH Ciudad Juarez, ID

El Paso ad

1202 XHUA106.7 CH Ciudad Juarez, ID

1624 KNEB 94.1 NE Scottsbluff, ad

1626 KMOR 92.9 NE Scottsbluff

1629 KOGA 99.7 NE Ogallala

1633 KQMA 92.5 KS Phillipsburg, ID

1635 KICX 96.1 NE McCook, "KICK-KBRL"

Doug Smith (W9WI), 14 Brookside Court, Nashville, TN 37209-4503

Equip.: Technics ST-G50 modified w/110 kHz filters in narrow position, 3-element quad at 4 feet and roughly 1500 ft. from WSM-FM and WRVU.

5/3 tr

0945 WWIN 88.3 IN Evansville, c & NPR "Weekend Radio" 133

WKUE 90.9 KY Elizabethtown, c // WDCL & WKYU 117

WBFT 91.5 KY McDaniels, g, USA news, call in promo 101

unID 91.7 ?? c, beaming SW or NNE. PTA: southern IN,

northern KY. WXU-Cincinnati?

WRBT 94.9 IL Mount Carmel, op, calls 165

WSLM 98.9 IN Salem, Salem area obituaries 175

Nothing too horribly exciting--just cleaning up on the semi-locals. Did install 110 kHz filters in my tuner, I think they helped though with the ultra strong local signals from WSM-FM and WRVU (antenna line-of-sight) it's kinda hard to tell, and IF filters do nothing for front-end overload. I expect the 110s will be more valuable for portable expeditions, or when I move, later this year. The filters were almost trivially easy to install; just unsolder 3 leads for each of the old filters (I used "Solder Wick", purchased at a local TV parts store), drop in the new ones (you can't install them backwards; they work either way) and solder them in. The only hard part, my tuner already had two bandwidths (400 and 200) so I had to remove one set of filters & turn the tuner on & find out which bandwidth stopped working!

I have also acquired a 12V=110V inverter so I can take the ST-G50 on "DX-peditions" (Land Between the Lakes probably first, also hope to go up Clingman's Dome later this summer), and a new car with a digital--and more overload resistant--radio, making mobile DX much easier.

\*\*\*\*\*Station news now from Todd Brandenburg of Topeka...KXKR 106.5 Liberty, MO is now country KKCJ "CJ-106". They were taken over by 94.1 KFKF Kansas City, KS, using the same sales and management staff but run as separate entities. Shortly afterward, KCFM 107.3 Lexington, MO went under, so KXKR moved their calls and Top-40 format to 107.3. Also in the Kansas City market, 98.9 KRVK Leavenworth, KS ("The River", AdCon) is now "98.9 The Rock" KQRC with a hard rock/heavy metal format. This was effective April 9. The Wichita area has a new one, 104.5 KLLS Augusta, aka "Class Country". They use the call frequently and have many ads for Wichita businesses.\*\*\*\*\*

## SOUTHERN FM DX

JUNE 1992

Alain Pepin, 234 Boul Montcalm, St. Jean (Quebec) J3b 3N8

[FM] Alain Pepin DXing at Playa Ancón, 8 km south of Trinidad, Cuba Times: EASTERN  
Rx: Sanyo MW-750 with built-in antenna a=frequency approximate (.2MHz)

TROPO

Apr 2 2006 KLAS 89.1 Mandeville "This is KLAS-FM 89": time check  
Other Jamaicans like Pame-FM and JBC coming in tonight only. 260 miles.  
Apr 3 1900 CMBQ-FM 90.5 Trinidad? (EX:MONO) "Transmite CMBQ Radio Enciclopedia"  
Apr 3 2300 CMHT-FM 91.1a S.Spiritus (gd) "Radio Sancti Spiritus" //7200kHz  
Apr 3 2100 CMHW-FM 93.7a Santa Clara (fr) "W-FM Stereo 93 Santa Clara, centro de Cuba"  
Apr 4 0600 CMHW-FM 101.9a relay Unid (VG) "Esta es CMHW cadena provincial de radio, que inicia sus transmisiones desde Villa Clara, Cuba. Durante 19 horas consecutivas, ofrecemos una variedad de programación que esperamos será de su agrado. Ustedes pueden sintonizarnos a travez de los siguientes transmisores y frecuencias: Caibarien 1250, Sagua 1310, Rancho Veloz 1290 y Santa Clara 840 kHz..."  
CMHW-FM carries separate programming until 2300, signs off and on only mentioning mediumwave. CMHT-FM was //1190,1200,1210, stereo light on. When the band sounds inactive, only CMBQ 90.5 seems to come in.

(1991)

[FM] ALAIN PEPIN DXing at Hotel Cofresi, Puerto Plata, Dominican Republic  
Rx: Sanyo MW-750 with built-in antenna Times: ATLANTIC  
Dec 15 0600 HIUA 90.5 Pto Plata "Fantasia FM 90.5" string of jingles, US mx format  
Dec 16 2100 HI-- 90.9 Santiago, RD "Alcatraz", mentions 90.9, American music mostly  
Dec 14 2200 HICK-FM 92.1 Santiago, RD "Esta es FM 92 en Santiago con música facil de escuchar siempre": soft spanish music format  
Dec 15 1330 HIBG-FM 93.1 Santiago, RD No ID, promo for program change: "Desde enero, cubriendo toda la region, nuevos equipos, más baladas y más boleros, nueva programación"  
Dec 14 1830 HIKV a94.3 Santiago, RD "Música, KV-94": exciting jingles, Merengue mx  
Dec 14 HI-- 96.7 Moca, RD  
Dec 13 2103 HIFP-FM 97.3 Pto. Plata "La 97 y la Voz del Atlantico" //960kHz  
Dec 13 1902 HIDV-FM 97.9 La Vega, RD "Radio Santa Maria" jingles //590, MONO  
Dec 14 0000 HIBN-FM 99.7 Pto. Plata "FM 99 en Puerto Plata, la mejor", time check, //900kHz evenings, local ads, EE song about San Pedro de Macoris  
Dec 13 2203 HI-- 100.7 La Vega, RD "Super-K, 100.7MHz desde La Vega, la señal que cubre todo el país", ad for Sprite, Pop music, merengue  
Dec 13 0900 HIBI-FM 102.3 SFcoMacoris "Poder musical H-102, San Francisco de Macoris/La Vega/Santiago/Moca/Puerto Plata, Poder H-102, la maquina del sonido"(75)  
Dec 15 1000 HI-- a103. Santiago, RD "M-103" promo featuring Quisqueya cerveza  
Dec 15 0900 HI-- a105.1 Santiago, RD "Canal 105" promo, soft spanish music  
Dec 16 2000 HILR-FM 105.5 Alto Bandera "Radio Mil Informante" ends with weather, Sto. Domingo and Santiago 25, New York 0, Miami 23, San Juan PR 24, Mexico City 17 C, presented by Barcelo rum, affiliates "R.Mil, R.Clarín y R.Continental en Santo Domingo, Radiolandia y R.Santiago en Santiago y R.Clarín FM en Alto Bandera", credits, ads including condoms, ID at 2007 "Desde Santo Domingo cubriendo todo el país, Radio Clarín, 860 AM, 105.5 FM, la más potente!", baseball promo ment. 50000 watts. MONO rx  
Dec 13 2330 HI-- a107.3 Santiago, RD "Más música, mejor selección, Suave 107", Brugal rum ad "Suave 107" jingle, soft spanish music

MORE NOTES: I spent nearly an hour at the Santo Domingo airport and was overwhelmed by a completely cluttered FM dial. I managed to extract a "95.7", "Estereo 98", "La X-102" and HIAT-FM 98.1 "Radio Universal". There was also some programming on a 67kHz FM SCA (subcarrier) on one of the stations. The noisy terminal, lack of guide and no freq readout didn't help.

All the Dominican stuff is local reception. Sorry for being a little rough on the reformatting. "a" means approximate frequency, "t" means tentative on either the call sign or the origin. All stations STEREO unless otherwise mentioned.



# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada

**JUNE 1992 DEADLINE: The 5th LOG CUTOFF: 2 months from when mailed**

Well skip seems to have started out early this year. Activity has been noted on FM on May 5, 8, and 12. There has been frequent activity on TV in the first half of May, quite the opposite from last year. Let's hope this trend continues. Unfortunately, the tropes have not been as active as skip yet; no real big openings have been reported yet. Remember, now that the CCI unID column is back, you really should send your unIDs there. They don't belong here anymore. Let's hear from you next month!

**RICHARD K. SHAFTAN - 39 OLD MIDDLETOWN RD - ROCKAWAY, NEW JERSEY 07866**

(201) 586-3563, Beeper for DX (201) 955-4526, Equipment, Realistic STA 2280 with 3 150 khz filters and 110 filters (see McVey article, Nov. 1990), Channel Master 20 Element TV 45' AGI. Phased with two Radio Shack FM Outdoor Antennas stacked 7 feet apart 30' AGI. and a Radio Shack FM indoor rabbit ears all phased thru 3 variable attenuators, a phase tilter and a Radio Shack "Variable Interference Eliminator". Both outdoor antennas are run through Radio Shack mast mounted amps. (In car: Kenwood KRC-430 with 2 110 khz filters)

**MARCH 1992**

**5 TrS**

0141 WQKZ 98.5 NY Catskill, ID, 98.5 The Cat now lame

**12 TrS**

1549 WDNH 95.3 PA Honesdale, ID // WWCC  
1700 WZAD 97.3 NY Wurtsboro, ID "Pure Gold", now all oldies

**29 TrS (with new IF filter added)**

2036 WOUR 96.9 NY Utica, "The Rock of Cent. NY, 96.9 WOUR", In out w/ WKIP & WFGC.

**30 TrS**

2100 WDNQ 95.3 DE Laurel, "Magic 95", low of 46 fts Delaware, not Long Island or Penn. (or Michigan, where a Magic 95 is listed).

2200 (WRVV) 97.3 PA Harrisburg, The River with oldies

This new filter is great with splatter down significantly over the 110s. I put the circuit in place of the third filter and hooked up the power supply to the the FM B+ lead and it works, although on the down side, I can't listen in stereo any longer and the highs are a little muffled, but on the other hand, my phasing nulls are much deeper. It also seems to have altered the capture ratio of the receiver to allow more DX come through. Can't wait to put one in the Superradio. 73.

**JIM RENFREW - 61 WILCOX STREET - ROCHESTER, NEW YORK 14067 (716) 461-2717**

EQUIPMENT: JVC auto radio

**MARCH 1992**

**9 GW**

2150 WKGK 102.7 NY Cape Vincent, WTOJ calls  
**10 Tr**

1042 WWWW 106.7 MI Detroit, "W-4 sure shot"

1447 WMAX 106.7 NY Irondequoit, The Max Rock w/out the hard edge. Sign on Mar. 11th 1200.

**APRIL 1992**

**5 TrS**

1014 WORD104.7 PA Pittsburgh, religion  
2257 unID 104.9 "WAZR" Your Greatest Hits of the 60s, 70s, 80s, and 90s." (Richard, there is a WIZR-930 in Johnstown. I wonder if WSR1) was simulcasting them? Send this to the unID column. Maybe someone can figure it out gc)  
2313 WSRD 104.9 NY Johnstown, calls



**APRIL 1992 DX**

**9 Tr**

1423 WFLS 93.3 VA Fredericksburg, with ID and country music. New state! (Nice catch Jim!-gc)

1450 WPGC 95.5 MD Morningside, ID, local ads new state! Over CJBC & WKYE.

1508 CITE 107.3 PQ Montreal, quick burst of French vocal music

1740 WAMO 105.9 PA Pittsburgh, "WAMO" ID

WYNQ 93.3 is running ads in local papers saying they will be on soon.

**WMHT FM 89.1**  
**WRHV FM 88.7**  
WRHV Sign-on: September 5, 1990

88.7 89.1  
**Classical Music for the Hudson-Mohawk Region**

## NORTHERN FM-DX

JUNE 1992

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

Equipment: Carver TX-11 tuner IF filter modified. Channel Master Stereo Probe 9 at 35 feet on crankup tower, Channel Master 3617B VHF at 23 feet into phase box. Alliance HD-73 rotor and RG-11 coax.  
New loggings are underlined. New call (K K K K). New propagation mode WWW.

**APRIL 1992 DX**

**5 troposcatter**

1501 WQHQ 104.7 MD Ocean City/Salisbury, ID + "lite rock-105", r\$ 368  
1800 WWMD 104.7 MD Hagerstown, ID, b\$ 233  
1900 WSVS 104.7 VA Crewe, call, k\$ 407

**9 troposcatter**

1400 WMRE 95.5 antenna east, new station or call change m\$,

**11 troposcatter**

1637 WYHT 105.3 OH Mansfield, "Y-105" over CFCA & WKPQ 255

**15 tropo & scatter**

1325 WOMP 100.5 OH Bellaire, "Womp-FM, r\$ 233  
WVOR Rochester phased out

1400 CKTE 104.1 PQ Gatineau/Hull, ID FF r\$, WHTT off 227

1440 WVAQ 101.9 WV Morgantown, call, r\$ 242

**20 troposcatter**

1104 WMRN 106.9 OH Marion, call, k\$ 289

**24 Groundwave**

1117 WFFT 104.9 NY Amherst, call, rp 11  
Greg Coniglio called me about this one, thanx New from UB  
Amherst campus.

**26 Meteor scatter**

0802 KZEN 100.3 NE Central City, ID 1007  
KZEN 100.3 Central City, Columbus&...

**27 troposcatter**

0716 CKRZ 100.3 ON Ohsweiken, call, k 82  
"southern Ontario's native American station"



It's been a fair month for DX, a few new loggings: Local WHTT was caught off the air for a few minutes April 15. After logging Quebec I turned the antenna east and heard a station with an AC format, but WHTT came back on before I could get any calls. Maybe it was Waterbury, Connecticut?? I'll be ready for this one the next time 104.1 is open. DAVE

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

Equipment: Technics ST-8080 tuner IF filter modified. Antennacraft FM-10 at 10 feet, RG-6 coax and Channel Master rotor.  
New loggings are underlined. New call (K K K K). New propagation mode WWW.

(Delco car radio, fender antenna)

**APRIL DX**

**12 tropo & scatter**

1000 WAMU 88.5 DC Washington, ID, k\$ 228

1100 CBOF 90.7 ON Ottawa, ID, t FF 272

1148 WVAQ 101.9 WV Morgantown, call, r\$ 182

(Technics ST-8080)

**16 tropo & scatter**

0956 WRKY 103.5 OH Steubenville, "ROCKY-103.5", r\$ 160

1004 WWMD 104.7 MD Hagerstown, ID, b\$ 168

1036 WMCE 88.5 PA Erie, call, m\$ 82

1106 WGSU 89.3 NY Geneseo, ID, rp\$ 63

1138 WCCZ 97.3 PA Spangler, call, o\$ 96

1147 WDSN 99.5 PA Reynoldsville, call, rm\$ 67  
over WDCX

1153 WMZQ 98.7 DC Washington, ID, k\$ 228

1213 WMAX 106.7 NY Irondequoit, call+ "The MAX", r\$ 93

GOOD TIMES,  
GREAT OLDIES!



Looks like I won't make it back down to Rock City to catch anymore DX before the NFMDX column deadline, lots of rain this past month. DAVE



MICHAEL HAWK NOOSY - 10212 P ST - OMAHA, NE 68127-2130 (402)592-1186  
 Equipment: Kenwood KT-815 tuner; Antennacraft FM-10 up about 30'

APRIL 1992 DX

4/4 TrS		4/19 TrS & MS	
1028 KJLS 103.3 KS Hays, ads	237	1903 WZFX 99.1 NC Whiteville, 99.1 The Fox	1060
4/12 TrS		2000 KFUD 99.1 MO Clayton, Classic 99	351
1224 KIAI 93.9 IA Mason City, ads	198	4/21 TrS	
4/17 Tr		1000 WPKR 98.9 IL Rock Island, Power 98.9	285
0809 KXNP 103.5 NE N. Platte, k KX-104	245	1403 WLUP 97.9 IL Chicago, local news	438
0812 KRNK 102.3 NE Kearney, k\$	162	1641 KPNY 102.1 NE Alliance, wx	357
0837 KZXL 107.9 KS Great Bend, \$ Z-108	244	4/22 TrS	
0919 KUEL 92.1 IA Ft Dodge, \$ Cool 92	131	1611 KXIA 101.1 IA Marshalltown, k Kicks 101	172
1302 KMXD 106.3 IA Ankeny, \$ Easy Mix		2134 KKOQ 102.3 SD Volga, r, Power 102	219
106 Ankeny-Des Moines	132	4/24 Tr	
4/18 TrS		2053 KPMH 99.7 IA Muscatine, \$r	260
1609 KRUZ 102.5 MO Joplin, Z-103	296	2055 WZOK 97.5 IL Rockford, 97 ZOK	366
1620 KKDY 102.5 MO West Plains, KDY	383	2121 WRMJ 102.3 IL Aledo, k	275
1920 WCCN 107.5 WI Neillsville, k	360		

DX continues to be very slow. I missed last months VUD due to NO DX at all! There were a few days of enhancement, but it never developed any further than that. Also, most of the days that look like would be probable for tropo, I'm at school. That will change this summer, though, with 3 months of prime DX time! There have been a few openings. The 4/23 tropo came from nowhere at sunset, and disappeared about 45 minutes later due to some thunderstorms. We did get 10 inches of snow on 4/20, which ruined conditions for the next few days. The E-skip season has started on the 10 meter ham band. From 4/5 to 4/11, there were 5 days of E-skip. Most were pretty weak, but one evening the skip was into KY very strong. Unfortunately, though, nothing was seen on TV. Lately, in preparation of the DX season, I ordered several reprints (about 100 pages) from Tim McVey. I've really enjoyed them, and learned a lot! I have very high hopes for my first full E-skip season! 73's

Greg, in response to your unID's in the CCI unID DX column, I have some possibilities for a few. Your unID on 104.9 'Lite 105', and mentioning NW Expressway is probably KNTL in Bethany. They are a western suburb of Oklahoma City. Oklahoma City has an expressway called the NW Expressway, as well as a W, SW, and NE expressway.

Your 98.3 unID with All Hit 98 may be one of these. KYYK ID's as Hit Country, and KHLK ID's as All Hits 98. These according to the NRC Log.

dBURCE HALL - 5 STIRTON AVE. - BRANTFORD, ONTARIO CANADA N3T 1F2

Equipment: JVC JR-S201 receiver, with 3-110 filters, Sleuth 205 amp, probe 9 fed with RG6 at 50 feet AGL. Crown rotor, distances are in kilometres.

MARCH 1992 DX

19 TrS		Smethport, & 94.3 WKBI St. Marys. New non	
0731 WKQZ 93.3 MI Midland, pr, Z93, KQZ, mx		ID. Ex FM94, R0ck 94, K94, & The Rocket. Let's	
by Moody Blues (my favorites), IDs with Bay		hope their listeners sort out who they are? (I	
City, Saginaw, and Flint also.	368	better not print this, by that time it will change!-gc)	
20 Tr		11 Tr-MS	
0800 WRLF 94.3 WV Fairmont, op, 94 Rock	391	0757 WTWR 98.3 MI Monroe, r, Tower 98, "Good	
25 MS		morning the time is 8:36 (wrong time!!)"	300
0738 WPUB 94.3 SC Camden, r, Downtown		0839 WDLT 98.3 AL Chickasaw, m, 98 Light	
Camden, heard before on MS	989	"Visit our location in Mobile too" 1565	
30 Tr		13 Tr	
0800 WJZZ 105.9 MI Detroit, J, Jazz 106 ID, "The		1850 WGR1 102.3 MI Port Huron, mr, StarStn 180	
Adult edge of American FM" (They stole that from		18 Tr/TrS	
"Mix 99.9" Bruce!-gc)	255	0739 WSH1 99.7 PA Pittsburgh, mr, Pittsburgh's	
APRIL 1992 DX		home for soft favourites and fun, Wish 99.7 FM" 309	
1 TrS		0816 WMXO 100.9 NY Olean, r, the Mix, DJ was	
0733 WHFS 99.1 MD Annapolis, pr, HFS	561	Tony Toronto (given name?), I find this tough with	
2 Tr		Rocket 101/Erie. Have they gone 50kw yet?	
0620 WFMK 99.1 MI E.Lansing, "Lite Rock 99", \$		(I don't think they have yet, Bruce-gc)	
"WFMK East Lansing weather"	350	19 Tr	
6 Tr		0759 WBZW 107.7 OH Loudonville, mj, The Breeze:	
0700 WKBI 94.3 PA St. Marys, r, "The Wizard"		"relaxing mx on 107.7 The Breeze: Loudonville" 322	
is 96.7 WFRM Coudersport, 106.3 WORM		0812 WODJ 107.3 MI Greenville, o, Oldies 107.3	
		calls, "hair spray & high heels weekend" 437	

dBURCE HALL continued.

APRIL 1992 DX continued

19 Tr		22 TrS-Tr	
0822 WEGW 107.5 WV Wheeling, op, Eagle 107 355		0632 WBVR 98.9 OH Van Wert, o, The Bear, "This	
20 MS-TrS		George Carlin comedy prizr: is nothing to laugh at	
0826 WEDR 99.1 FL Miami, s, 99 Jams, "826-		from 98.9 WBVR, The Bear: Greg, I thought George	
WEDR", Lyrids MS, former e skip 1909		Carlin was a loyal Chum-FM listener. (I guess he	
0832 WAWZ 99.1 NJ Zerepath, g, "Making a sign-		does listen to WBVR whenever in Van Wert, hi-gc)	
ificant difference at the crossroads of the nation" 506		0637 WOVE 98.9 MI Vassar, g, "WOWE your	
21 Tr		mature choice, 98.9 FM" 276	
1613 (WZKL) 92.5 OH Alliance-Canton, o, Kool 92		23 TrS	
QSL received, ex WDJQ, Q92 470		0709 WPRR 100.1 PA Altoona, r, wx "28 at Altoona	
		Power station WPRR" finally logged! 336	
		24 Tr	
		0700 WPIT 101.5 PA Pittsburgh, gr, "101.5 WPIT	
		FM, Pittsburgh's family station, USA Radio Nx" 309	
		0705 WAYZ 101.5 PA Waynesboro: Hagerstown,	
		k, Country 101.5 443	
		0734 WBTF 101.7 NY Attica: Batavia, r, wx	
		101.7 The Place for WBTF nx, Eagles mx 175	
		0801 WMKF 101.7 MI Tuscola, k, KMF "The country	
		station that keeps you informed", ex WGMZ 262	



393 Smyth Avenue, N.E. · P.O. Box 2356 · Alliance, OH 44601

Toronto local CFMX 96.3 applying for old CKO 99.1 spot. Other applicants include CJEZ 97.3 & Rawlco communications, who also won Toronto's last frequency up for grabs: 92.5. Rawlco hopes to win the better 99.1 frequency so they can trade 92.5 (not in use) so they may put a station on that plays two kinds of music, country & western. Should CFMX 96.3 (my preference) be awarded 99.1, it would clear up reception problems and give Canada its only commercial classical station a shot at breaking even. Whoever wins this battle, I hope they take their time since 99.1 is bonur for new loggings DX wise, with a couple dozen so far. George Carlin a DXer? On TV here on a daily basis he claims he listens solid for 104 minutes to Chum fm 104.5 Toronto! Where does he live? What are his tuner & antenna? All I get lately is relays, white noise, Queen music (Radio Gu Gu!! The 90's equivalent to 80's Roy Orbison mx heavy rotation) & more relays! What's George's secret or has he been back visiting his Toledo window box? 73 db.

WELCOME NEW REPORTER!!

AYODELE ADEWAKUN - P.O. BOX 1800 - AKURE ONDO STATE, NIGERIA

Equipment: Sharp GF 9292, 41 meter whip antenna with ext. FM knob

JUNE 1991 DX		JULY 6 Tr cont.	
7 Tr		1500 PVTVR2 90.5 Jos	778
0330 unID 88.636 tone and jingle,		1730 BBSR2 95.774 Benin City	326
in at 0410, programme parade		1445 ARS3 96.1 Enugu	416
Radio Oyo2 98.5 Ibadan, nx	206	15 Tr	
0600 RN2 97.666 Lagos, network news	348	0955 PVTVR2 90.5 Jos	778
0715 unID 101.5 news, weather		also heard at 1115 and 1205	
11 Tr		1405 RR2 99.15 Port Harcourt, @ & 1440	518
0750 BBSR2 95.774 Benin City	326	1930 RN2 97.66 Lagos	348
0800 R. Benue2 98.4 Makurdi, news, disco	634	2005 R.Oyo2 98.5 Ibadan, also @ 2030	206
0930 IBCR2 94.4 Owerri	306	16 Tr	
1030 R.Oyo2 98.5 Ibadan	206	0745 KSBCR2 96.9 Kano	1050
1145 unID 90.7, I think it is PRTVR2, Jos	778	0815 IBCR2 94.4 Owerri	306
1335 RN2 97.666 Lagos, Longthroat Junction		1011 R. Benue2 98.4 Makurdi	634
and City Beats	348	18 Tr	
14 Tr		0545 BBSR 98.774 Benin City, @ 0610	326
0600 RR2 99.15 Pt. Harcourt, network news	518	0805 ABS3 96.1 Enugu, and at 0830	416
16 Tr		1205 PRTVR2 90.5 Jos	778
0530 RN2 97.666, FM newsbeat, annc	348	1245 R. Benue2 98.4 Makurdi	634
JULY 1991 DX		20 Tr	
2 Tr		0530 E. Benue2 98.4 Makurdi, and 1645	634
0430 ABSR3 96.1 Enugu, jingle, beat, male	416	2010 BBSE2 95.774 Benin City	326
0600 R.Oyo2 98.5 Ibadan, nx and analysis	206	21 Tr	
0700 IBCR2 94.398 Owerri	306	0630 RN2 97.666 Lagos, @@ & 0715	348
1100 RR2 99.15 Port Harcourt	518	1215 R. Benue 98.4 Makurdi	634
4 Tr		1445 KSBCR2 96.9 Kano	1050
0430 BBSR2 95.774 Benin City	326	also in at 1530	
6 Tr		1615 R.Oyo2 98.5 Ibadan	206
0600 IBCR2 94.398 Owerri, network news	306		
0620 RN2 97.666 Lagos, PSA	348		
0930 ABSR3 96.1 Enugu, announcement	416		

Catch more of Ayodele's DX on the next page!!

AYODELE ADEWAKUN'S REPORT CONTINUES.

AUGUST 1991 DX		SEPTEMBER 17 Tr	
10 Tr		0530 RN2	97.66 Lagos 348
0600 R.Oyo2	98.5 Ibadan, & 0715, 0945 206	0800 ABS3	96.1 Enugu 416
1145 R.Benne	98.4 Makurdi 634	1215 PRTVR2	90.5 Jos 778
1305 IBCR2	94.4 Owerri, & 1445 306	1405 RR2	99.15 Port Harcourt 518
1735 KBCSR2	96.9 Kano, & @ 1805 1050	22 Tr	
13 Tr		0410 IBCR2	94.4 Owerri 306
0600 R.Oyo2	98.5 Ibadan, 0815, 0830 206	0430 KBCSR2	96.9 Kano 1050
1430 RN2	97.66 Lagos 348	1245 R.Benin2	98.4 Makurdi 634
16 Tr		1505 R.Oyo2	98.5 Ibadan 206
0735 RR2	99.15 Port Harcourt, & 0805 518	25 Tr	
1045 PVRTR	90.5 Jos 778	0935 RN2	97.66 Lagos, 1400, 2005 348
17 Tr		2235 RR2	99.15 Port Harcourt 518
1405 ABS3	96.1 Enugu 416	29 Tr	
1815 RN2	97.66 Lagos 348	0815 ABS3	96.1 Enugu 416
2045 BBSR2	95.774 Benin City 326	1408 KBCSR2	96.9 Kano 1050
22 Tr		1630 R.Oyo2	98.5 Ibadan 206
0910 BBSR2	95.774 Benin City 326	2005 RN2	97.66 Lagos 348
	also in at 1035, and 1410	23 Tr	
1530 R.Benne2	98.4 Makurdi 634	0630 RR2	99.15 Port Harcourt, & 1030 518
SEPTEMBER 1991 DX		1245 PRTVR2	90.5 Jos 778
10 Tr		1503 BBSR2	95.774 Benin City, & 1715 326
1025 R.Benne2	98.4 Makurdi, & 1044 634	25 Tr	
1200 BBSR2	95.774 Benin City, & 1245 326	0530 RN6	97.66 Lagos, & 0815 348
1402 ABS3	96.1 Enugu 416	0945 R.Benne2	98.4 Makurdi 634
11 Tr		1210 PTVTR2	90.5 Jos 778
0600 R.Benne2	98.4 Makurdi 634	1505 ABS3	96.1 Enugu 416
0710 IBCR2	94.4 Owerri 306	1610 BBSR2	95.774 Benin City 326
0830 KBCSR2	96.9 Kano 1050	1808 IBCR2	94.4 Owerri 306
2005 RR2	99.15 Port Harcourt 518	30 Tr	
13 Tr		1025 OGBCR2	90.356 Abeokuta, test transmission and requests from listeners 282
0740 PRTVR2	90.5 Jos 78		
1015 ABS3	96.1 Enugu 416		
1205 BBSR2	95.774 Benin City 326		

distances are in kilometers away from broadcast stations  
 OGBC - newly established (a big congratulations)  
 R.OYO2 - Radio Oyo 2 FM Stereo  
 RN2 - Radio Nigeria 2 FM Stereo, Lagos  
 BBSR2 - Bendel Broadcasting System Radio 2 FM Stereo  
 R.Benne - Radio Benue  
 IBCE - Imo State Broadcasting Corporation Radio  
 ABS3 - Anomra State Broadcasting System FM  
 RR2 - Radio Rivers 2 FM Stereo  
 PRTVR2 - Plateau Radio Television Corporation Radio 2 FM  
 RN3 - Radio Nigeria 3 FM Stereo,

RN3 not included in this report. The station broadcasts in English and three Nigerian languages: Hausa, Ibo, and Yoruba. I have not really had much time DXing lately. Very busy on my farm and my shortwave loggings was compiled and sent to different shortwave clubs where I am one of their contributors. I hope to send more in my subsequent reports. (Thanks for reporting and welcome to NFMDX Ayodele! I voided the log cutoff policy because although Ayodele mailed this in November, it did not arrive here until late April this year-gc).

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

APRIL 1992 DX		MAY 12 Est	
20 GW		1250 KOKI	90.9 OK Edmond, ID with OKC, Moore, & Norman, "91FM", cont. g\$ 1125
2100 WFFT	104.9 NY Amherst, Buffalo, LPFM non-licensed station at SUNY Buffalo north campus here. Mostly modern rock, and MONO Off for the summer now. 5	1300 KKNG	92.5 OK Oklahoma City, Mix 95.5
MAY 1992 DX		11351313	KDCK 1180
8 Est		KS Dodge City, r\$, K95	
1245 WPCV	97.5 FL Winter Haven, k\$ 1048	1323 KBUZ	99.1 KS Ft Dorrado, "The New Lite 99", ads suggest religious 1021
1247 WXKB	103.7 FL Cape Coral, T40\$, Genesis song, "B-103.7" o/WMXE 1150	1349 KQMA	92.5 KS Phillipsburg, farm reports and ID with KKAN AM 1093
1258 WMNF	88.5 FL Tampa, annts 1060	1401 KXNE	89.3 NE Norfolk, Nebraska Public Radio program, \$ 970
10 Au. very strong at 1730, no IDs though		1404 KPNE	91.7 NE N. Platte, // 89.3 1140
		1406 KMNE	90.3 NE Bassett // both 1058
		1417 KILI	90.1 SD Porcupine 1183

In response to Ralph Strobel's comments last month on the "capacitor in a box", I would like to say that I had one built for me, and am pleased with it. It works better than the rabbit ears I had been using. Some people in the field have reported very good results with it, and it is not as expensive as others.

# STATION BREAK

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

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

FOR SALE - Television Engineering Handbook by K. Blair Benson, Copyright 1986 by McGraw-Hill, 1478 pages. Excellent reference - excellent condition. \$20 postpaid.  
 Fred McCormack - Box 17860 - St. Paul, MN 55117-7860

Flea market book sale. "World Radio-TV Handbook," choice of 1983, 1986 or 1989 with different receiver reviews, \$4.50 each or \$10 for all three.

"Manual of Electronic Servicing Tests and Measurements," by Robert C. Genn, Jr. Has many projects, including how to use a VOM to tell if a transistor is good or not, \$3.00.

"Communications Monitoring" by Bob Grove, with many projects, 1979 book, before Bob became famous with "Monitoring Times." \$2.95.

Vane Jones' "North American Radio-TV Station Guide," 13th ed. 1979, \$3.

"Wheeler's Radio Directory," 1977, and may be the only appearance of this guide designed for RV users, \$2.50.

Former FM DXer Richard Wood wrote "Shortwave Voice of the World," a 1969 Gilfer classic, long out of print, \$3.95.

"Shortwave Radio Listening With the Experts," by Gerry Dexter, with a chapter on FM DXing, over 500 pp., \$19.00.

"M Street Radio Directory," with FM station addresses, 1990 edition, \$5.00.

Fred Osterman's "DXers Directory," 1986, \$2.

"The Traveler's Country Radio Atlas," 1989, \$1; 1990-91 edition \$2, both for \$2.50.

TV-DX Course from Radio Nederland, 1973, 29 typewritten pages, \$1.

FM station computer print out, the last from my keypunch cards, 1986, \$1.50.

IRCA AM-FM Almanac, 5th ed. 1991, with radio network affiliates, \$2.

"Highway Radio," by Wm. J. Stank, 1989 with maps and AM-FM stations shown, \$3.00

"Go Public! The Traveler's Guide to Noncommercial Radio," a very good, comb-bound book. No new editions to be published, 217 pp., 1987, \$2.

NRC FM Log, 1991, may be last edition, very complete, ready to put in your binder, with addresses for QSLing, \$7.50.

"American Radio, Spring 1991," with all the ratings, James H. Duncan, Jr., \$6.00.

"Pirate Radio Stations, tuning in to underground broadcasts," by Andrew R. Yoder, a current Tab Book, 1990, \$8.00.

"Eliminating Engine Interference" in automotive reception, a Sams book, \$4.50.

"Educational AM and FM Radio Stations and Educational TV Stations by State and City," U.S. Dept. of Health, Education and Welfare, showing persons employed at the stations in 1963, \$2.

Add \$1.50 per order shipping/handling. Order from Bruce Elving, Box 24, Adolph MN 55701-0024, U.S.A.

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.