

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1992

ENERGY WKZQ 101.7 FM

10 MV/M

25 MV/M

ENERGY WKZQ 101.7 FM

MYRTLE BEACH, U.S.A.

650 FT. ANTENNA

50,000 WATTS E.R.P.
EFFECTIVE RADIATED POWER



WORLDWIDE TV-FM DX ASSOCIATION

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

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first class mail

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

ANARC UPDATE

ANARC GETS GOING AGAIN

STEVEN SPRACHMAN
15 BERRY LN.
HICKSVILLE, NY 11801

The reorganization of ANARC has begun. Several new committees have been formed. Constitutional changes have been proposed. And there are plans in the works to revive the ANARC Newsletter.

ANARC has several committees that are active in promoting our hobby. One committee sponsors a computer bulletin board service. This BBS lists club activities and DX catches. The Ham Net committee sponsors a DX tips Ham Net on 7240 kHz. The Committee to Preserve Radio Verifications collects QSL collections donated by former DX'ers. The collection now has about 25,000 verifications covering all areas of the radio hobby. Each month, the committee publishes a one page article featuring photographs of several interesting cards from the 1920's, 30's or 40's. And you can register your QSL collection with the committee.

A new committee has been formed to handle the political aspect of the hobby. This is the Governmental Affairs committee. It is being headed by ANARC's attorney, Frank Terranella. He can be contacted by writing to him at 106 Cathay Rd., Clifton, NJ 07013. This committee is looking for volunteers in the Washington DC area.

Letters

I got a couple of letters after my last article. The first letter I received was from Dan Cashin in Havertown PA. He reminded me of the NASWA SWL Winterfest. ANARC is a prime sponsor of this event. The Winterfest will take place during the weekend of March 13 to 15 at the Holiday Inn in Kulpville PA (near Valley Forge). This worthwhile event will cover all aspects of DXing. Scheduled seminars include DX'ing on other continents, Travel DX, and MW DX tips. If you're in the area, stop into the only DX event of the winter.

My second letter was from ETV DX Columnist Bill Nienajadly. Besides reminding me to send my logging reports to him, he asked if ANARC was involved in an issue that he was involved in. The FCC has proposed a ban on all radios and scanners that can receive or be modified to receive cellular telephone frequencies. And several localities have proposed to go further by banning scanners completely. Bill states that the State of New Jersey has a law that bans mobile monitoring of the Police and Fire frequencies. Ham radio operators are not exempt and one can be prosecuted for having the radio in the trunk of the car.

ANARC's position is to oppose any laws that hamper our liberty to listen to any part of the radio spectrum. Due to ANARC's reorganization, ANARC has been inactive in dealing with political issues. With the formation of the Governmental Affairs committee, ANARC will again represent us in Washington. I'd like to thank Dan and Bill for writing. I am interested in hearing your opinion on ANARC, and about issues that affect our hobby. My address is 15 Berry Ln., Hicksville, NY 11801.

SPRACHMAN'S CORNER - New Editions of TV Guide in New York

Bill Nienajadly alerted me to the new editions of TV Guide covering New York City. He sent me a copy of the "channel page" of the Brooklyn-Queens edition. This edition covers the New York City Broadcasting stations and the cable channels of the BQ Cable system. Manhattan has its own edition covering Manhattan Cable.

Do any other areas have TV Guide editions that cover a specific cable company and are available on the newsstand? Several areas of Eastern PA are covered by a single magazine called TV HOST. This magazine covers several stations not listed in the regular edition of TV Guide.

I've added another DX show on Shortwave radio called Signals to my list of weekly must listen to. The show is broadcast over WWCR Nashville TN on UTC Sunday at 03:35 on 7435 kHz and 1500 on 15690 kHz. This show differs from other DX shows. The show is divided into specific segments that appear each week at approximately the same time each week. The segments cover scanners, pirate and utility stations, satellites, the "M Street Report" featuring happenings at AM and FM stations, and a comedy segment based on the parody bulletin "BLANDX". Added to an hour of Signals at 03:35 is a leadoff half hour of "Glenn Hauser's World of Radio". The two shows compliment each other. My only complaint about "Signals", no segments dealing with TV DX.

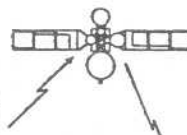
New York Media News- WHAI-43 Bridgeport CT has been off the air for over 9 months. The proposed FM stations on the East End of Long Island have not come on the air, and may never make it to the air.

Well, that's it for this month,

73's

Steven

SATELLITE NEWS



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

Another brief column of odds and ends.

First some information from Ronald Purdue - Byron, Minn.: This week, I have noticed that there is increased activity on Spacenet 4. I have seen a couple of hockey and religious feeds on it so far. This could be, in fact, several feeds on Westar 5 that are migrating over to this bird when Westar 5 retires for good in April. As stated a couple of months ago in the VUD, the purchase of the Monterey 50 IRD will be in late March or early April as it now stands. I am planning to purchase the programming through the National Program Service due best price. (Thanks to an ad in OnSat magazine).

Later into the summer, I plan to subscribe to Showtime and TNT through Skyvision Programming center. I am now getting very enthusiastic to acquire that IRD, I will trade in the Uniden UST-5500 through Skyvision. See you in 30.

My apologies to Ronald as I have misspelled his name in several of the VUDs. It is now correct.

In looking at the current changes lets look first at Spacenet 4 which Ronald mentions.

Spacenet 4 - XPDR 9 - 3 Angels has now located here from Spacenet 2 where they were briefly after leaving Spacenet 1. The ID card is now sporadic on XPDR 6.

Encore has now abandoned both F3 and C1 and now is on Galaxy 3 XPDR 1.

The Vacation Network is now on C1 XPDR 15.

Las Vegas Television Net is currently promoting on Galaxy 6 XPDR 23 (formerly Westar 4)

On Spacenet 2 XPDR 7 - Mainstreet TV - a few hours in the evenings with basically oldies television.

Action Pay-Per-View is now on F4 XPDR 2 from Spacenet 3. Something called Be-TV had an ID on Galaxy 6 XPDR 23 recently - nothing noted since.

WRAL - Raleigh, North Carolina replaces WBBM Chicago of the Prime Time 24 line-up on Satcom 2 XPDR 2.

As reported earlier, but I'll mention it again -

The Airport Channel and the Check-Out Channel, both CNN news services are to be found on G-Star 4

Superior Livestock Auction and others are to be found on Galaxy 6 various transponders.

Galaxy 5 which is to replace Westar 5 was due to be launched on February 27. If all goes well there will be many moves beginning in late Spring.

That's all from this end - see you in 30.

George

FM NEWS

Bruce F. Elving, Ph.D., Editor
Box 24
Adolph MN 55701-0024

Contributions earnestly solicited!

"Lame Stations" Revisited, Andy's Phase Box Reviewed, Filters' Update

Stephen West, who has rejoined the WTFDA, sent a Family Stations directory, and he reported that WKSZ 100.3 Media PA has been surveying people (presumably DXers) about the songs they'd like to hear on radio. "WKSZ was looking into legal action against 'Star 104.5' for showing TV commercials that said Kiss playing kid songs like Barry Manilow. . . Kiss is playing only upbeat songs now, a mixture of oldies and recent songs. What is all this stuff about lame stations? Can you list specific artists and songs that are in this category? Can a lame station ever play a good song? Can a station be semi-lame? Do you list these stations in your FM Atlas with a format abbreviation of L?" [Buy an FM Atlas at \$12 and find out!] "WPRB [103.3 Princeton NJ] had a power increase because they claim they now cover Philly and Wilmington, which they do! Since the fall I have not heard Warm 103 in York because WPRB is too strong. WRTI 90.1 reception is rough near Wilmington DE due to interference from 89.9" [WOEL Elkton MD], and West wonders if they plan a Wilmington translator. "Should a car antenna be vertical for best reception? My Honda has a car antenna at a 45° angle. [An antenna at a 45° angle should work fine, since most FM stations use circular polarization; and in the rare case of a station with either horizontal or vertical only polarization, it should intercept those as well.]

Rich Shaftan sent a clipping on a local board approving a site for an FM for WRNJ AM Hackettstown NJ; no announcement of frequency or actual city of license, and no FCC cp has been issued.

Ordering two FM Atlases (atai?) was Frank Merrill: "Here's hoping that this time I actually use the second copy for posting my DX into. A big project and often I've bought two copies intending to do that and it doesn't get done. . . Though I did hear Vicksburg 106.7 (from Macomb IL) during the Jan. 4 biggie, it was only by default, with the signal allowed to come through only due to the exceedingly vacant frequency; it was barely there."

"Here is a somewhat belated letter to let you know that the Superadio I had you modify with the 110-kHz filter is just fantastic with my 'ground zero' superlocals," writes Harry J. Hayes. "The set gives me many more open channels now which is what I need with locals and semi-locals coming on the air here what seems every few weeks. As an example, I enjoy crystal-clear reception of WKGB 92.5 Susquehanna PA, which is sandwiched between two superlocals. Also, I can receive Norwich NY 93.9 right next to my local 93.7 and 98.1 from Binghamton right next to semi-strong WWSH 97.9 Hazleton. I will be looking forward to the skip season. The new 95.7 in Olyphant is on and strong with calls WZZV, this right next to the Benton station on 95.9 with the calls WZZC, both carrying the same rock satellite programming." [But is WZZV stereo?] "Both are now easily separable on the modified set; they were

not before. . . These two should be nice and confusing for someone getting them on skip."

Bill Nienajady: "If a tuner has an MPX jack, can one hook up an SCAdapter without internal connections?" [Yes, absolutely—the same for tuners having a horizontal oscilloscope output jack—b.e.] "I received my phase box from Andy Bolin. . . The phase box is worth \$145, and every serious FM DXer should get one! Can't wait for a tropo opening! I think others will buy the FM phaser. I had two WTFDAers over recently; they were very impressed that the phase box and phasing system dug out WSUL 98.3 Monticello NY and Danbury CT 98.3 despite very local-like WKJY Hempstead NY and semi-local WMGQ New Brunswick NJ, both 98.3; \$145 is a lot cheaper than another tuner/receiver if one puts it that way. . . The best way for great results is with stable groundwave or tropo signals where signal levels don't change much. Summary: The station you want to eliminate should be stable; it does not matter if the desired is fadey and weak; you can aim both antennas to desired station and still null the offending one, if they are at least some distance away; sometimes it is better to aim one antenna at the offending station and one at the desired station; the phase box/phasing setup works so that you can also increase the signal of a weak, fadey semi local in the opposite way of nulling it! Turn a knob; station comes in better. Turn a knob a bit more and phase it out. Real neat! Nulls on locals can be achieved to a small extent. If you aim away from them look at the 'S' meter and carefully listen for some 'hiss' by tweaking this and that. It is possible to knock down a local 10 dB or as much as 35 dB. Again, phasing is not a cure-all, but a major development in FM DXing! As important, if not more so, than the ceramic filters! Andy's phase box is worth \$145!" Finally, Bill contends WPLJ 95.5 New York is more AC than top 40.

Look below, dear reader, for a journey into the last two months' VUDs for the feature "See Also," in which I try to cull what should be pointed out in this column. Due to time constraints last month's column did not present all the FM news you could have read, but it did make my FMedial newsletter.

See Also Jan., Feb. VUDs For

AL Linden WINL 98.5 k, "Win 98," Pugh, p. 22, J
AR West Helena KCLT 104.9 T-105, Pugh, p. 30, F
CO Monte Vista KSLV-FM 95.3 V-95.3, Pugh, p. 21, J
IL Woodstock WZSR (was WAIT-FM) 105.5 Star 105.5, Strickert, p. 18, J
IN Frankfort WSHW 99.7 o, Falconer, p. 19, J
IN Nappanee WLRX 95.7 o, ID with Elkhart-Warsaw, Strobel, p. 28, F
IN Roanoke WQTX 105.1 still off air, Strobel, p. 28, F
IN Vincennes WVUB *91.1 br, Strickert, p. 18, J
IA Muscatine KFHM 99.7 must be Nienajady's nonID, p. 27, F; IA has HY Vee stores
KY Albany WANY-FM 106.3 k, still mono? Pugh, p. 30, F
KY Falmouth WIOK 107.5 OK 107.5, Station News, p. 27, F
KY Glasgow WWWW 105.3 is most likely "the All New Q-105.3," Solomon, p. 13, J
KY Middleboro WMK-FM 92.7 KY-93 (from "KY-92"), Sittel, p. 30, F
ME Bath WKRH 105.9 with Augusta, apparently no longer IDing with Brunswick-Lewiston, Monroe, p. 15, J
MI Boyne City WBCM 93.5 Stereo, Falconer, p. 19, J
MI East Lansing WFMK 99.1 ID with Grand Lodge-Lansing, Nieman, p. 14, J

FCC-FM

MI Lansing WLYY 101.7 o, "Y-102," Falconer, p. 19, J [see Voytko, p. 32, J]
MN Minneapolis K13UT is off the air now!
MS Cleveland WCLD-FM 103.9 s, "Jammin' 104," Pugh, p. 30, F [30, F]
MS Holly Springs WKRA-FM 92.7 o, Pugh, p./
MO Trenton KTTN-FM 92.1 k, Pugh, p. 22, J
NE Ord KNLV-FM 103.9 k, s, Hawk, p. 24, F
NH Nashua WJCF *88.3 I need to know if it has stereo—Hall, p. 19, J
NY Ravena WRVA 94.5 is it stereo? Station News, p. 13, J; Bugaj, p. 23, F
NY Sodas WNNR 103.5 r, Chernos, p. 17, J
NC Wilson WAHD *90.5 assumed format bg, Sittel, p. 30, F [p. 30, F]
OH Cincinnati WUBE-FM 105.1 B-105, Sittel, /
OH Montpelier WLZZ 104.5 k, ID with Bryan, "Wheels," Station News, p. 27, F
OH West Carrollton WROU 92.1 s, ID with Dayton, Strobel, p. 27, F
PA Allentown WAEB-FM 104.1 r, Station News, p. 13, J [p. 13, J]
PA Pittsburgh WORD 104.7 g, Station News, /
SC Greenville WTBI-FM *91.7 s, Sittel, p. 30, F
TN McKinnon TWTL 101.5 o, s, Pugh, p. 30, F
TN Seymour WJZB 96.3 Stereo, Pugh, p. 22, J
TN Knoxville WEMQ (I list as such, not "WERQ"), "Q-104," Pugh, p. 22, J; and not "W0BB," not "Powell TN," Sittel, p. 31, F. Don't they give their calls right and know where they are? [ilo, p. 28, F]
VT Burlington WEEF 92.9 nr (not nr), Conig- /
VA Accomac WVEZ 99.3 b, Smolarek, p. 17, J
VA Marion WYTR *91.9 on air, S, Sittel, p. 30, F
NS Halifax CFRD 104.3 Classic Rock 104 (from "Q-104"), Bugaj, p. 23, F
ON Ottawa CHUD (not CFUO) *89.1 s, Monroe, p. 23, F
McVey, p. 38: Nice seeing the Technical Index and knowing I may "achieve immortality on the next index" (J)
Yingling, p. 39 (J), note my name is singular, not "Elvings"; nice format on IBM-PC.

New FM Station, Translator Grants

AZ Lake Havasu City K220DS *91.9 (KNPR 89.5 Las Vegas NV) [Bcstr., Inc.]
AR Eudora 101.5 3000 h.v.; 100 m, E./
AR Harrison K215BR *90.9 (KCMH 91.5 Mountain Home)
CA Carmel 95.5 1170 h.v.; 157 m, J&M Bcstr.
CA Copperopolis 105.5 470 h.v.; 254 m
CA La Quinta K210BE *89.9 (KECR-FM 93.3 El Cajon) [89.9 Santa Monica]
CA Ojai K206AT *89.1 (seeking 102.1; KCRW/
CA Rio Dell 107.1 3000 h.v.; -163 m, Douglas C. Turnbull [m, Joemart, Inc.]
CA Santa Barbara 107.7 710 h.v.; 536/
CA Ukiah KZYX *1 *90.7, 50 w (h) booster of Philo station [of Denver station
CO Boulder KMJL-1 100.3 250-w booster/
FL Baldwin 105.7 3000 h.v.; 100 m, Peaches Bcstr. Co. [Iodge, Inc.]
FL Inverness *90.1 4500 h.v.; 198 m, Alka- /
FL Punta Rassa 97.7 3000 h.v.; 100 m
GA Broxton 103.7 6000 h.v.; 100 m
GA Chauncey WQIL 101.3 50000 h.v.; 150 m
GA Dalton 104.5 3000 h.v.; 100 m, N. GA R. II
GA Gray WWIQ 96.5 6000 h.v.; 100 m, G.
Communications, Inc. [Kaiakekeua]
HI Humuakua K276DG 103.1 (KADY 92.1 /
HI Lahaina K272CT 102.3 (KNUI-FM 99.9 Kahului) [788 m, Eagle Bcstr.]
ID Eagle (Boise) 107.9 1100 h.v./ /
ID Sun Valley K228DG *93.5 (KBSW 91.7 Twin /
IL Macomb W209AL *89.7 (WGCA 88.5 Quincy), 100 w [Moline], 100 w
W213AH *90.5 (WDLM-FM *89.3 East/ Have fun with these two, Frank M. I.
IA Asbury (Dubuque) 103.3 25000 h.v.; 100 m, Tri-State Bcstr. [Willis, Jr.]
KY Lawrenceburg 102.1 3000 h.v.; 100m, Finley /
KY Morehead 96.3 6000 h.v.; 100 m,

CA's KHOV Drops Classical

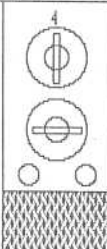
KY Stamping Ground 99.1 3000 h.v.; 100 m
LA Homer KXZB 106.7 50000h.v.; 150 m
LA Lake Charles W252AQ *98.3 (KTXB 88.7 Beaumont TX), 250 w
MI Grand Rapids W223AB *92.5 (WGVU-FM *88.5 Allendale), 150 w [Earth]
MN Austin K254AA *98.7 (KJLY 104.5 Blue/
MN Rossau W215AI *90.9 (KQMN 91.5 Thief River Falls) [Camdenton], 300 w
MO Knob Noster K225AB *92.9 (KCVQ 91.7 /
MO Otterville (30 km E. Sedalia) 107.7 6000 h.v.; 100 m, O. Bcstr. Ltd. [Network
NE Norfolk *90.950000h.v.; 107 m, G. The Prairie /
NE Sargent 92.1 100000 h.v.; 232 m, Sand- hills Giant, Inc. [Las Vegas]
NV Henderson K257BU 99.3 (KOMP 92.3 /
NV Stateline K272DA 102.3 (KZFF 102.9 South Lake Tahoe CA)
NH Manchester *91.7 1 w h, 100 v; 4 m, Notre Dame College [89.1 Trenton]
NJ Atlantic City W230AA *93.9 (WWFM /
NJ Bridgeton *89.3 1 watt h, 3000 v; 62 m, NJ Public Bcstr. Authority
NJ Lebanon Township (40-41-31; 74-55-33) W289AA *105.7 (WWFM)
NY Jamestown WCOT *90.9 10000 h.v.; 150 m, g, Family Life Min. [Fishman
NY Monticello 99.7 6000h.v.; 100m, Larry /
NY Morrisville 102.9 3000h.v.; 100 m, Northstar Bcstr. Corp. [Down East Radio Co.]
NC Atlantic 107.3 6000 h.v.; 100 m; /
NC Hatteras 94.3 6000 h.v.; 60 m
NC Lumberton W231AB *94.1 (WHQR 91.3 Wilmington) [g, Better Life, Inc.]
NC Roanoke Rapids *88.5 3000h.v.; 50 m; /
NC Wingeat *91.9 17700 h.v.; 157 m, g, Columbia Bible College
OH Hubbard (Youngstown) WRBP 101.9 3000 h.v.; 100 m, to be s
OH New Philadelphia *91.5 3000 h.v.; 66 m, Kent State U. (translator deletes)
OR Corvallis K264AA *100.7 (KBOD 90.7 Portland) [Iotta McNaughton
OR Newport 92.7 12000 h.v.; 144 m, Char- /
PA Philadelphia W300AD *107.9 (WWFM 89.1 Trenton NJ) [m, Cardcom Media
SC Pawley's Island 98.5 6000 h.v.; 100 m /
TN Dyersburg *90.7 100000h.v.; 76 m, Mid-South Public Comm. Foundation (displaces translator)
TN Newport 92.9 6000 h.v.; 100 m, WNPC, Inc. /
TX Galveston K216CJ *91.1 (KTXB 89.7 Beaumont), 250 w
WA Anacortes K215BT *90.9 (KSER 90.7 Everett) [St. Marys]
WV Vienna W226AB 93.1 (WRRR-FM /
WV Nekossee 93.7 3000 h.v.; 50 m, Berry Radio Co. [100.3 Greybull]
WY Cody K286AA 101.1 (KZMQ-FM /
WY Dubois K217BP *91.3 (KUWR 91.9 Laramie PR Fajardo WCAD-1 105.7 (80-w booster of San Juan station)
TA Ciudad Camargo (Rio Grande City TX) /
TXCKO 90.5 5000 h.v.; s, l.

Call Letters Assigned or Changed

AL Trinity 92.5 WAZK (WUIC) [CD-102"
AL Trussville 105.9 WWIV
AZ Globe 100.3 KZRX (KGRX)
AZ Oro Valley 97.5 KRKV (KYNM)
AR Little Rock 99.5 KYFX (KLVV)
CA Fresno 101.1 KFIG-FM** (KFIG-FM; AM gets new calls)
CA Groveland *91.7 KXSR (KOUJ)
CA Kings Beach *89.9 KXKB (KEQI)
CA Lake Isabella 105.5 KKRK (KVLV-FM), k
CA Lenwood 107.3 KOEH
CA Mariposa 103.9 KHOV (KHRA), r, LMA with KHOP 104.1 Modesto, dropping classical
CA Riverside 97.5 KHXX (KDUO)
CA Sacramento 98.5 KNCI (KZAP), k, "Fresh"
CA San Diego 94.9 KBZS (KRMX), o, "K Best 95" [in Fresno]
CA Tulare 94.9 KBOS-FM (KBOS; AM is/

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CA Ventura 107.1 KAXX (KAGR)
CO Fountain 96.1 KBIO
FL Fort Myers *91.5 WJVO (WSRX)
FL Silver Springs 95.5 WGGO-FM (WVGO); AM in Salamina NY
GA Brunswick *89.1 WWIO
GA Valdosta 96.7 WY2K (WVCM)
HI Kaalakaue 92.1 KA0Y (KOAS)
IL Valcano 107.7 KKO4
ID Blackfoot 101.5 KCVI
ID Bushnell 104.7 WLMQ (WSRQ)
ID Elmwood 97.3 WYFR
ID Springfield *90.5 WQIB
IN Berne 93.9 WZBO
IN Wabash 105.9 WWIP
IA Clarinda 106.1 KBKZ (KMA-FM)
IA Pella 103.3 KFMM (KDMG)
IA Rock Valley 106.9 KOEP
KS Iola 99.3 KIKS (KIOJ)
KY Flemingsburg 106.3 WFLE-FM (WBPK)
KY West Liberty 102.9 WLKS-FM
ME Kittery 105.3 WHJM (WKCC)
MO Hagerstown *89.1 WETH (WYHG)
MA Boston *96.3 W242AA, see "On," below
MI Munising 98.3 WHCH (WQXO-FM)
MI Muskegon Heights 101.7 WQWQ-FM** (WQWQ-FM; AM gets new calls)
MI Petoskey 96.3 WMBN-FM (WMBN)
MN Blue Earth 98.1 KOEI, to be s, expected on air this summer, format not disclosed
MN Elroy 92.1 KOEK [93-X" (strict)
MN Minneapolis 93.7 KRXX (KLXK), rp,
NE Aurora 97.3 KLRB (KMTY), op, "The Bee"
NV Las Vegas 98.5 KLUC-FM** (KLUC-FM; AM gets new calls)
NH Laconia 96.3 WLNH-FM (WLNH)
NJ Avalon 94.3 WXNJ (WVOC)
NM Santa Fe 94.7 KZXA
NY Bay Shore 103.1 WBSI
NY Oswego 101.7 WGRG (WQXT)
NY South Bristol 95.1 WRQI (WZSH), op, "Rock-it 95" (strict)
NC Charlotte 103.7 WSOQ-FM** (WSOQ-FM; AM gets new calls)
NC Fair Bluff 105.3 WWIR
OH Cincinnati 92.5 WIMJ (WWEZ)
OH Clyde 100.9 WNGC (WLCO)
OH Milford 107.1 WAQZ (not WQOZ), "Power Pig" [in Madford]
OR Grants Pass 96.9 KYJC-FM (KFJM; AM is /
OR Medford 93.7 KMTT-FM (KMTT)
OR Seaside 94.7 KOEM
PA Beaver Springs 106.1 WWVB (WYHA)
PA Pittston 102.3 WTOQ-FM, but "several employees have told me that the call letters are WTLQ (their old calls), so either the owners are confused or the FCC is"
PA Pittsburgh 107.9 WDSY-FM (WDSY)
PA Sharpville 95.9 WHTX (WAFX)
RI Westerly 103.7 WWRX-FM (WWRX; AM is in Providence)
SD Yankton 104.1 WNAW-FM (KBCM)
TN Bristol 96.9 WXBQ-FM (WXBQ; AM is in Bristol VA)
TN Jellico 102.7 WEKX
TX Floresville *89.7 KWCB
TX Lubbock *90.9 KYFT [CD-102"
TX Monahan 102.1 KCDD (KMGP), op /
TX New Braunfels *89.9 KOEJ
TX San Antonio *88.3 KYFS (KPAC)
UT Roy 107.9 KZQQ (KRPN), p, Z-Rock, continuing its LMA with KZHT 94.9 Provo
VT Rutland 94.5 WZKK (WYQY), k
VT Springfield 93.5 WCFR-FM (WMKK)
VA Roanoke *90.3 WWIU
105.3 WRXT
WA Bellevue 92.5 KLSY-FM** (KLSY-FM; AM gets new calls)
WA McCleary 96.9 KGY-FM (AM is in Olympia)
WI Rice Lake 97.7 WAQE-FM (WAQE)
Facilities Changes Granted
AL Hartselle WYAM 106.1 6000 h.v. (100 m)
AL Mobile WBHY-FM *88.5 190 m, nonDA (50000 h.v.)



ABBREVIATIONS USED IN THIS COLUMN:

- ERP= Effective Radiated Power, in kW
- HAAT=Height Above Average Terrain, in meters
- nc= No change
- TL= Transmitter Location
- CP= Construction permit
- MP= Modification permit (modification of construction permit)
- *= Non-commercial

APPLICATIONS FOR NEW TV STATIONS

St	Ch	ERP	HAAT	Call	City
MT	18	2684	596		Butte; CTN
NC	35	3532	257		Jacksonville; Webber-Moore Bcstg.
NC	35	2000	301		Jacksonville; Charles Fitzgerald

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City
KY	49	1820	327	WDKA	Paducah (TL 37°23'45"N, 88°56'23"W) (4.8km NE of Vienna, Ill.)
TX	51	nc	506	KNWS-TV	Katy (TL 29°33'40"N, 95°30'04"W) (Senior Rd., Houston's tower farm)
TX	48	3162	nc	KNVO	McAllen

APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
CA	62	3746	723	KRCA	Riverside (TL 34°11'16"N, 117°41'55"W) (Sunset Ridge)
GA	57*	39	129	WATC	Atlanta (TL 33°48'40"N, 84°21'51"W) (740 Bismarck Rd., WPBA-30's studio site)
MI	33	221.3	311	WGKI	Cadillac (TL 44°08'53"N, 85°20'45"W) (10.4km SE of Cadillac)
TX	65	1600	nc	KJLF-TV	El Paso
WI	24	3000	313	WCGV-TV	Milwaukee (hmmm. No change from my reference!)

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

St	Ch	ERP	HAAT	Call	City
ME	35	500	258	WWLA	Lewiston (TL 43°51'06"N, 70°19'40"W) (4km S. of Gray)
MS	51	1494	379	WPJJ	Jackson (TL 3.3km SW of I-20/Miss. Hwy. 18 junction)
OK	62	1000	233	KMNZ	Oklahoma City (TL 35°33'26"N, 97°28'31"W) (86th & Eastern, Okla. City)
VA	65	398	254	WZXX	Ashland (TL 37°44'32"N, 77°15'18"W) (2.3km from jct. of hws. 615 and 652)

CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
IA	36	6.09	nc	KQCT	Davenport
NJ	63	1510	223	WMBC-TV	Newton (TL 41°00'36"N, 74°35'39"W) (4.5km SE of Sparta)
NJ	66	?	217	WFME-TV	W. Milford (TL 41°07'14"N, 74°12'03"W) (near Mahwah)
NY	48	136	129	WYDC	Corning (TL 42°02'29"N, 77°15'18"W) (6.05km E of Borden)
OH	7	100	174	WHIO-TV	Dayton (TL 39°43'17"N, 84°08'57"W) (1414 Wilmington Ave., their existing studio site)
OK	44	578.1	164	KGLB-TV	Okmulgee (TL 35°43'25"N, 95°59'20"W) (1.3km N of Preston)
WA	4	nc	351	KOMO-TV	Seattle

CHANGES IN THE TABLE OF ALLOCATIONS

St	Ch	City
AR	57	Springdale (proposed)
CA	54	Calipatria (granted)

CALLS GRANTED TO NEW STATIONS

St	Ch	Call	City
TX	18	KMZN	Farwell

CALL LETTER CHANGES FOR EXISTING STATIONS

St	Ch	Old	New	City
CA	6	KSBY-TV	KSBY	San Luis Obispo
FL	10	WTSP-TV	WTSP	St. Petersburg
HI	26	KMGT	KOBN	Honolulu
KY	40	WQQB	WKNT	Bowling Green
OK	43	KAUT	KTLC	Oklahoma City
TN	50	WXJP	WFBI	Memphis

NOTES

The call letter change for Oklahoma City 43 (KAUT=>KTLC) reflects that station's conversion from an independent to an educational station.

WQQB-40 Bowling Green has been dark (I saw it once); maybe the call change indicates an imminent return to the air. Their sister station WBNA-21 Louisville is reported back on the air after a dark period.

S.12 has passed the U.S. Senate by a 78-18 vote. It must now pass the House, (also by a 3/4 majority, as President Bush has promised to veto it) to become law.

S.12 would allow local governments to regulate cable rates in some situations. Additionally, it would require cable programmers such as CNN to make their programming available to other technologies. (wireless cable, direct satellite broadcasting, etc.) And, it gives over-the-air stations the option of either requiring cable carriage by local systems, or negotiating a carriage fee to be paid by the cable system to the TV station. (currently, TV stations are not permitted to charge for cable carriage)

Broadcasting reports that WDJT-58 Milwaukee has been airing gavel-to-gavel coverage of the Jeffrey Dahmer trial, in cooperation with WITI-6, who's supplying a reporter, promotion, and technical equipment. WDJT's ratings have reportedly jumped by 300%..

The FCC has allocated 218-219MHz for IVDS, (Interactive Video Data Service) and established rules under part 95. This is TV Answer's system for viewer feedback. Two licenses (each for 500KHz of spectrum) will be issued in each service area.

FORUM

Bruce Elving, Esko, MN:

Again on the subject of WDIO-10's new tower, Bruce sent a copy of "Tower Talk '91", an advertising mailing the station sent out after completing their new tower. It includes several photos of the collapsed tower-- which apparently barely missed wiping out two satellite dishes on the station's property. Also shown are a few photos of the process of constructing the new tower. The text notes that

WDIO is now circularly polarized.

Bill Niensjadly, Clifton NJ:

Bill passed along two newspaper clippings:

From the Jan. 17 New York Post; "A soundtrack from a hard-core pornographic movie popped up on an episode of "Gilligan's Island" telecast in Toledo. The episode, broadcast Tuesday by Fox TV affiliate WUPW (36), began with a conversation between Mr. and Mrs. Thurston Howell III. But instead of their voices, viewers heard the words and sounds from a porn flick." This seems to happen every other year or so-- which is why, if I find anything like that on the satellites at work, I switch transponders as quickly as possible!

And from the Newark Star-Ledger (no date, but I believe it was late January), the FCC has renewed the license of WWOR-9 Secaucus, NJ. Garden State Limited Partnership had challenged WWOR's license, but a FCC administrative law judge ruled that Garden State's application had been filed for the primary purpose of reaching a (financial) settlement with WWOR's existing licensee, Pinelands Inc.. If the settlement had been upheld, Pinelands would have paid Garden State \$2,000,000 in return for withdrawal of the competing application.

Dave Sinclair, Vancouver BC:

Dave has received & viewed the 1991 Convention tape, and finds it very interesting.. as do I.. He also has some news from both sides of the border...

After sending the item regarding the Lake Havasu City, Arizona, translators (printed in Dec. 1991 VUD), Dave visited the area. He noted that, of the 28,000 local residents, everyone's home has an antenna, usually UHF only; motels and apartments having master antenna systems, even though the area has had cable since about 1974. Dave visited the cable company & was told that it had changed hands three times-- presumably leaving gaps with no cable service, hence the antennas. A number of parabolic dish antennas were also noted, as well as VHF and FM antennas aimed at Las Vegas, 185km north.

From the Jan. 24 Vancouver Province, Western International Communications Ltd. of Vancouver is looking forward to two bouts with the Canadian Radio-television and Telecommunications Commission this year.

WIC has operated a pay-per-view service in Saskatchewan for 16 months, and now wants to expand that operation across Western Canada. A decision on that application is expected soon.

They also want to buy CHCH-11 Hamilton, Ontario; a sale the government approved, but contingent on the sale of either CHEK-6 Victoria, or CHAN-8 Vancouver; WIC prefers to keep both British Columbia stations. (An interesting situation-- as far as I can tell, these two stations' transmitters are only 60km apart, and should both put a local strength signal into Vancouver. This would have never been approved in the U.S.!)

Chuck Jackson, Indianapolis, IN:

sent a quick note showing that the 1990 *Television Factbook* was \$345 for the two-volume set. He also suggests checking old or recycled bookstores, which is where he got his 1990 Stations Volume for \$4.50!

Fred McCormack, St. Paul, MN:

Fred has a solution for my unID channel 6 LPTV in Chattanooga; W06BG, 56' agl, 58 watts ERP.

He saw a ValueVision network ID on W62BD-- other LPTVs carrying this home shopping service are:

W20AU	Atlanta, GA
K55FV	Houston, TX
W53AX	Cleveland, OH
W36BD	Detroit, MI
K07UI	Minneapolis, MN
W62BD	Minneapolis, MN

James Roggentine, Crest Hill IL:

Jim has ended up on TBN's mailing list, and sent a copy of their February bulletin, which shows a number of stations not on the last list printed in the *VUD*. I'll try to get this typed up for April. "The scary part of it is that all the stations that do not have dots, are OWNED by TBN of which 18 are full power and over 135 are low power!!" (not to mention 25 stations in 10 other countries besides the U.S...)

Actually, a list of their studio locations in the same bulletin shows 12 (the FCC limit) full-power stations owned by TBN itself, plus 6 more owned by 3 associated companies. It's these associated firms that have stirred up the controversy (see February *VUD*, p.5), as there's some question to whether they are indeed controlled by TBN (illegal) or independent. (which is legal)

This bulletin also has news of their new stations in St. Petersburg and Moscow, Russia, and in Tonga.

Bill Draeb, Kewaunee, WI:

"On March 15, locals WBAY-2 and WFRV-5 will swap networks from CBS->ABC in the case of ch. 2 and ABC->CBS in the case of ch. 5. WJMN-3 (going from ABC to CBS) and WLUC-6 (from CBS to ABC) will do the same. This is necessary because CBS, Inc. a while back purchased WFRV-5, WJMN-3, and WCCO-4 which will all be CBS network affiliates." (Thanks for this info Bill; there had been some speculation that CBS would sell WFRV and WJMN, possibly making the swap unnecessary. Obviously, this isn't the case!)

"I don't know what local WBAY-2 will carry over night as they didn't say. They used to carry CBS late night programming which made them a 24 hour station." ABC doesn't have an overnight service right now, but I understand they're interested in starting one. Some stations have also carried some CNN Headline News overnight.

"Concerning WXGZ-32 which has been in bankruptcy since 1988, they will be purchased by WGBA-26 and will be taken off the air on Feb. 14. However, this won't last long as they will come back on, sometime in the future, as a Home Shopping Club station." Apparently a WGBA employee plans to buy the station. WXGZ had been the Green Bay market's Fox affiliate; WGBA will pick up the Fox programming. 29 WXGZ employees will lose their jobs. I was rather surprised when WXGZ came on in the first place; the Green Bay market just didn't seem big enough to support two independent stations. Guess it wasn't!

John Marx, Madison, WI:

John asked for help with an unID with the Madison weather radar near channel 14. Seems Mike Stone's article on amateur TV (inside front cover, February *VUD*) was just a few days late; that's exactly what John was seeing! Besides Madison, I know of amateur TV activity in Milwaukee, Chicago, and here in Nashville, and I'm sure it exists across the country. Besides the 420MHz transmissions mentioned in Mike's article, there are a few stations using FM video in the 2300MHz band; "wireless cable" receivers should be able to receive these.

Robert Walker, Bloomfield Hills, MI:

Regarding the channel 45 application for Vanderbilt, Mich.; "Vanderbilt is located approximately 10 miles north of Gaylord, adjacent to I-75 on the east. This is approximately one hour, by car, south of the Mackinac Bridge which connects the Upper Peninsula to Lower Michigan." "Apparently, the applicant has already cut a deal with the Fox Network, which would provide Northern Lower Michigan and some of the Upper Peninsula Fox Network programming, not available, unless one has cable."

Bob and another local member of the Michigan Area Radio Enthusiasts have noted a home shopping station interfering with reception of WUPW-36 Toledo. Fred McCormack's Value Vision listing solves this one as W36BD Detroit-- an interesting assignment, as WUPW's Grade B contour comes within 10 miles of downtown Detroit! A similar situation exists in Chicago's northern suburbs, with W36AO Palatine being within a few miles of WMVT's (Milwaukee) Grade B.

Finally, Bob asks whether a new TV Database is going to be published. I don't know, but I understand Bill Fahber is indeed working on it.

FCC RULES PRIMER

The procedure for starting a new full-power TV station can seem rather complicated-- what with 10 different categories in the February column alone! There is, however, a well-defined set of steps involved.

CHANNEL ALLOCATION

Before you can start a TV station, you have to have a channel. Originally, the FCC's own engineers prepared a "Table of Channel Allocations", a list of channels that could be used in a given city without interfering with other stations.

Today, most of the FCC's original allocations have been filled. But their original work didn't find every possible channel. So, the first step in starting a new station is to have your engineers find a channel that can cover the city you want to cover while fitting into the FCC's interference-protection regulations. Your proposal can move existing allocations to different channels (and even existing stations, if you can get them to agree to the move), but you can't delete a city's last channel. This proposal is filed with tea FCC as a petition for amendment of the table of allocations. The Commission's engineers review the

petition, to verify that it indeed avoids interference to other stations. If they approve, the table is amended. This does NOT mean that you get the channel! Now, a filing window is opened for applications for the new channel. Presumably you'll apply for the channel-- but in most cases several other firms will too. FCC staff checks the applications for serious errors (applied for the wrong channel; tower too far from tea city of license to provide a decent signal; applicant already owns 12 stations, etc.) before accepting them for filing.

Next, a hearing is scheduled before tea Commission itself. This can take quite some time; often during this period, one of the financially stronger applicants tries (and usually succeeds..) to pay off weaker applicants to withdraw their applications. (this is legal..) It's not unusual for this process to end up with just one surviving applicant, at which point a construction permit is granted. If more than one applicant survives to the hearing, the Commission considers a number of points (do the owners live in the stations' coverage area? Do they plan to manage the station themselves? Are they minority or female? Have they been honest with the FCC? etc..) and decides which application to grant.

Now, someone has a construction permit. While you can, in theory, put up a tower and buy a transmitter without holding a CP, the CP is your guarantee that the FCC has approved your station, and if you build according to the CP, you'll get a license. The CP also conveys authority to test your transmitter on the air-- however, you cannot air regular programs under a CP. For many years, a station would apply for call letters after their CP was issued. While there's been no formal notice, the FCC appears to have begun issuing calls themselves, in alphabetical order, upon issuance of a CP. Of course, you can still ask to change your calls.

Once construction is complete and you've tested your transmitter & antenna, you can apply for the license itself. This license conveys authority to begin programming, and will be automatically granted unless some unusual circumstance has come up.

That's it for this month.. Good DX!

73 Doug

QSL CORNER & LOGOS RUN

Thomas J. Yingling, Jr.
ARS: KASTCC
221 Pinewood Road
Baltimore, MD 21222-2345
Phone # 410-282-5649

NY WSYT 68 Syracuse, 1000 James St., zip 13203. Letter & PFC (prepared file card for qsl'ing stations), from Gary Droisful, Gen. Mgr in 1 month. (Ross)
ONT CFRU 93.3 Guelph, Level 2, Univ. Centre, University of Guelpha, zip N1G 2W1. PFC in 1 month from station manager, name not given. (Ross)
MN KSRQ 90.1 Thief River Falls, Thief River Falls Tech. College, Highway One East, zip 56701. Letter from Don H. Jorstad in 3 months. (Ross)
NY W38AN 38 Rochester, 184 Monroe Ave., zip 14607. PFC & letter back in 2 months from Ron D. Kniffin, Pres. (Ross)
ONT CBO 91.5 Ottawa, Box 3220, Station C, zip K1Y 1E4, CBC QSL Card, PFC & letter from J. M. Carriere, Aud. Rel. in 1 month. (Ross)
GA WXYS 90.1 Waycross, Box 842, zip 31502. PFC in 3 months from Knox Carreker, CE. (Ross)
ONT CICO TVO 42 Mindenoya ?, % Box 200, Station Q, Toronto zip M4T 2T1. PFC & letter from Gerry

Therault, Oper. Mgr. who says only 20 watts, with 2.8km coverage area. Reply in 1 1/2 months. (Ross)
NY WWTI 50 Watertown, 1222 Arsenal St., zip 13601. PFC in 1 1/2 months from Robert Kurtz, CE. (Ross)
NY WRCC 8 Rochester, 201 Humboldt St., zip 14610-0997. & business card from John M. Coon, PFC. of Eng. in 3 weeks. (Ross)
OH WTUZ 99.9 Uhrichsville, PFC & business card in 3 weeks from Don Graff, CE. (Ross)
FL WGSQ 89.5 Mayo, Box 644, zip 32066. PFC & business card from William F. Small, CE in 2 months. (Ross)
NY WNJA 89.7 Jamestown, % 23 North St., Buffalo, zip 14202. This is a new WNED-FM translator with 3500 watts with regular call letter. Reply in 1 month from Richard Oel, Station Mgr. (Ross)
FL WOZN 98.7 Key West, 3710-12 N. Roosevelt Blvd., zip 33040. Letter in 2 months from Dano P. Amann, DJ. (Ross)
PA W44AG 44 Erie, % Trinity Broadcast Network, Box A, Santa Ana, CA 92680. PFC in 3 weeks from Ben Miller, PFC. of Eng. for 1000 watts low power tv station/translator. (Ross)
ONT CKAT 101.9 North Bay, Box 3000, zip P1B 1C2. PFC in 3 weeks from Wayne Russell. (Ross)
NY WCNY 24 Syracuse, 560 Old Liverpool Road, Box 2400,

zip 13220-2400. PFC & business card in 2 weeks from Hugh Cleveland, CE. (Ross)
OH WTJC 26 Springfield, 2675 Dayton Rd., zip 45506. PFC & business card back in 2 weeks from John Elliott. (Ross)
NY WCFE 57 Plattsburgh, 1 Sesame St., zip 12901. PFC & letter back in 2 weeks from Charles Zarbo, CE. (Ross)
NY WNPI 18 Norwood, % WNPE-TV 16, 1056 Arsenal St., Watertown, NY 13601. PFC & business card from James Edwards, PFC. of Eng. (Ross)

This month main qsl reporter was Robert S. Ross, ARS: VE3JFC of London, Ontario. Thanks for all the id-logos I have received from: Mike Cherry, ARS: VE7SKA, Bill Nionsayadly, Al Quagliari, M. C. Sittel, Robert E. Schweitzer, Christopher S. Durno, Dave Pomeroy, ? Fountain, Tom Bryant. I may have not given credit to my past logo contributors as it is hard to keep track of who gave what. It takes an little more time to rubber glue up logo's then it does to just type up the qsl items. I do save most logo' that I have received. FM station id logos to me seem to be no good for use but as filler material, as the logo goes nothing for identification of an station, unless the station id slogan is in print. Well that's all for now. Remember to DX & to QSL! go next page

30
K³⁰AL

11 **11** **11** **11** **11**
KTUW KTUW KTUW KTUW KTUW

KTAL-TV 6
POST OFFICE BOX 7428
SHREVEPORT, LA. 71137-7428

KTUW • Washburn University • 301 N. Wamamaker Rd • Topeka, Kansas 66604

TELEVISORA DE HERMOSILLO, S.A.

VERACRUZ Y MANUEL I. LOAIZA
APARTADO 603 HERMOSILLO, SON.

CBS 5 WAGA

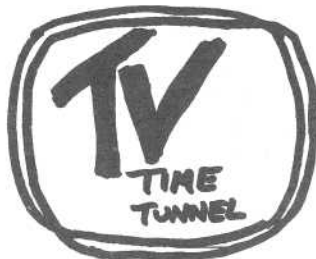
ALL AMERICAN TV, INC

WTJP - CHANNEL 60
313 Rosedale Avenue
Gadsden, Alabama 35901



Be an instant winner tonight! Play the CBS/K mart Get Ready Giveaway.
7PM CBS KHOU-TV 11

IF YOU'RE OFFENDED BY (implied) OBSCENITY, YOU MIGHT CONSIDER SKIPPING THIS COLUMN. A GREAT DEAL OF VULGARITY (#@%&^) IS IMPLIED..NOT FOR THE SAKE OF BEING TASTELESS..BUT TO CONVEY A TRUE PICTURE OF AN EXTREMELY HEATED EXCHANGE.



Written by:
TOM BRYANT
849 Todd Preis Drive
Nashville
Tennessee
37221

THE WINE AND CHEESE PARTY

We've all read about odd laws still on the books...just about every place has them. Some are archaic, some unnecessary, and others simply ludicrous. This tale centers around a piece of legislation in Tennessee that falls into all three categories; yet considering the state is known as the 'buckle of the Bible belt', isn't really too surprising.

To paraphrase the portion of Tennessee's liquor law pertaining to broadcast advertising: **ADVERTISING OR IMPLYING THE AVAILABILITY OF ALCOHOLIC BEVERAGES FOR THE PURPOSE OF ON-PREMISES SALE AND/OR CONSUMPTION IS PROHIBITED.** The law does not apply to newspapers, magazines or billboards (and technically, not to cable tv); only to over-the-air radio and television licensees.

Hard liquor, wine, and wine coolers fall under the jurisdiction of the Tennessee Alcoholic Beverage Commission (hereafter referred to as the ABC). Strangely enough, beer is not included in the ban. Beer sales and advertising regulations are controlled by local governments..and as far as the ABC is concerned, it is not an alcoholic beverage! One more quirk is that wine ads (usually national spots) promoting brand names, but not mentioning specific points of purchase are also allowed.

ABC officials are bureaucrats; and as such, feel obligated to nit-pick at even the slightest hint of violation of the rules. On numerous occasions WSM has been notified by the ABC that we were airing spots mentioning such abominable things as 'drinks', 'cocktails', 'happy hour', and 'fine wine'. There are no penalty provisions (at least none that I know about) for offending broadcasters; but we are asked to remove the questionable material immediately. The restaurant, lounge, or retailer sponsoring the unlawful ads is warned by the ABC; and if there are further violations, the agency is empowered to suspend or revoke the liquor license of the offender.

Although the law is very specific, the search for ways to circumvent it is an ongoing quest. About the best anyone has been able to do is mention '..your favorite beverages.' As broadcasters we are on constant patrol for commercials that cross the line. We feel an obligation to let a sponsor know that he's on thin ice before a spot airs. That gives the potential offender a chance to make changes in the copy, and avoid an unpleasant encounter with the ABC enforcers. In most cases the client is unaware of the violation; and after considerable grumbling about '..stupid damned laws..', makes the changes necessary to avoid a jab from the legal corkscrew.

Now that you know the particulars of liquor legalese in a state that for years has been known to 'vote dry and drink wet'; let's get to the specifics of what is probably the most off-the-wall story ever to evolve from the restrictive statutes. By the way, this is primarily a radio story, but could just as well have happened on the tv side of the aisle; thus I felt it merited print in this forum which is almost exclusively devoted to television.

[continued - next page]

TV TIME TUNNEL-----continued from previous page:

About 15 years ago a prestigious local men's clothier opened a new store and opted to mark the event with an open house featuring wine and cheese for the guests. When I read the copy, my mental siren went off. This spot wouldn't get past the ABC hawks!

I called the manager of the store (a colorful gent, to say the least) and attempted to persuade him to omit the wine mention. Well, the phone almost melted in my hand! The guy was mad as a hell!

"Those g-- d----- sons of b-----!" , he screamed. "Who the f--- do they think they are? It's just a f----- wine and cheese social... I'm not out to get the whole town drunk! S-----I'm running a clothing store, not some g-- d----- wine dive!"

My attempts to get him to change the spot were futile. I took the case to the Sales Manager and the General Manager who met with similar results. Finally, it was agreed that since we didn't want to lose the business, and considering that it was a seemingly innocent event; plus the fact that he didn't seem to mind the threat of a confrontation with the ABC...we would air the spots...but if anyone was called on the carpet by the ABC, we would all plead ignorance and claim that we thought the law applied only to establishments that normally sell wine and liquor.

The spots went on, and after airing for three days, it appeared that the infraction had slipped through the cracks. Not so. On the fourth day, we got a call from the ABC office asking us to remove the ads. We told them we would comply. Moments later we were in touch with the owner of the clothing store. His reaction was a complete shock.

"I wouldn't want to violate the law, and I'm not doing so by running those commercials. Keep them on!" But you ARE in violation, we insisted. "You a----- ought to do a better job on your legal homework." he said. "I expected something like this would happen, so I had my attorneys go over those f----- codes with a fine tooth comb and we're gonna shows those b----- at the ABC a thing or two!"

OK, we wanted to know; what are you going to do to make this legal? "Well, there's a clause they found that excludes communion and sacramental wines; and since the Rabbi owes me a favor, he's going to come down to the store and bless every f----- drop of wine and, if he has to, every f----- piece of cheese!"

The next day, the spots were still airing when an angry ABC enforcement team showed up at the store. The wine was flowing freely...the Rabbi was blessing everything in sight...and the befuddled bureaucrats (after having been shown the provision exempting sacramental wine) tucked their forked tails between their legs and went skulking back to the office. There wasn't a thing they could do! The advertising continued, and so did the wine and cheese party!

It was the only time in my 25 years with WSM that I've seen anyone beat the system! The same law is in place today...standing, I think, as legal testament to the power of broadcast advertising as opposed to print. My personal opinion is that the law is totally unnecessary, but it IS the law...and I call it to the attention of violators just as frequently now as then. However, I can't help but chuckle to myself everytime I recall the wine and cheese grand opening...and its' one-time shot at blitzing an example of the sort of situation which has led to such low esteem for politicians and the laws they foist upon us.

How about a drink to that? But be sure it's sacramental wine if you intend to advertise it in Tennessee!

NEXT MONTH: A peek at the "WSLS-tv Family Album" courtesy of WTFDAer David Shapiro in Griffin, GA. Lots of fun pix and vintage equipment!

TV TROPO TOTALS LEAN?

SNOW TOO MEAN? CLEAN THE SCENE WITH A GREEN SCREEN!

BY ROBERT GRANT, KD8EN

For decades, TV DXers have made great efforts to reduce the amount of "snow" in the picture of weak television signals. High-gain antennas, high towers, low-loss transmission lines, high-gain and low noise RF amplifiers and even the "hottest TV set" all help to reduce snow by reducing the amount of noise in the video signal. However, the DXer can also reduce "snow" at the picture tube, more precisely, at the very front of the tube, by using a monochrome (usually green) monitor from a personal computer.

I happened upon this trick last summer, when my wife asked me to DX on another set so she could watch a program. The only thing in reach of the antenna lead-in was my Teknika TV tuner and her unused Apple III computer. I hooked the tuner up to the green computer monitor to DX. When this system went on line, I noticed that the weak stations appeared stronger! An A-B test was done, WTOL-11 in Toledo (about 80km distant) appeared slightly snowy with the Teknika tuner hooked to a regular 12" B/W tv set, but on the green monitor, WTOL was almost perfectly snowfree! Tests on other weak stations showed the same effect. The system worked well on weak tropo signals. Supered IDs which were too "snowed-in" to be legible on the B/W TV were easily read on the green monitor.

PERSISTENCE PAYS OFF

The snow-reducing secret of the green monitor is PHOSPHOR PERSISTENCE. Most green computer monitors and older oscilloscope screens use a P1 phosphor, rather than the white, short persistence P4 phosphor used in regular B/W sets. (phosphors in color sets are also short persistence). P1 phosphor is unsuitable for TV sets because bright moving objects in the picture leave "streamers" behind them (not to mention the picture is green!, hi.) The DXer, however, can benefit from the persistence because of the random nature of "snow". For every spot in the picture, the noise may produce a bright spot during one field, and just as likely a dark spot in the next. On short persistence phosphor, the result is the familiar flicker of snow. On long persistence phosphor, the accumulating and overlapping dark and bright spots tend, to some extent, to CANCEL EACH OTHER OUT. The result is less "snow" seen, the snow that remains tends to be finer-grained and seems to flicker more slowly. The process is based on the same principle as taking a photo time exposure of the screen. In the 1950's and '60's, it was common procedure to take a photo of the screen of several seconds when a "snowbound" ID or test pattern appeared on the screen. DXers sometimes IDed their catches when the film came back from the drugstore! The resulting photos were usually unsharp and low in contrast (note that on the green screen you may have to turn up the contrast when the signal is weak). The green monitor lets you reduce the snow "live" and without the cost of film. The snow reduction is not as great with the monitor, but the picture remains sharp.

WHAT ABOUT E-SKIP?

The green computer monitor will reduce snow on E_s , too, but on E_s the problem for the DXer is much more often co-channel interference than "snow". Here the long persistence phosphor is of less use. The effects of the persistence on carrier-beat CCI ("venetian blinds") varies greatly with the precise frequency of the carrier beat. If the beat frequency is a multiple of the vertical field rate (59.94 Hz in North America) the "beat bars" will remain in place and the long persistence phosphor will produce no difference, but if the beat frequency is at or near an odd multiple of half the field rate (29.97 Hz in North America), the "beat bars" will cancel out on the green monitor. This cancellation also occurs with regular phosphors, but long persistence intensifies this effect and produces the effect over a wider beat-frequency range. Hence the green monitor may actually work against you by "hiding" the CCI.

THE HOOKUP

Its easy to try! Simply run a video cable from the VIDEO OUTPUT of a VCR or TV tuner (personally, I use a Teknika TVC-22) to the INPUT jack of the monitor. Provide power for the monitor (in the case of the Apple III, the monitor has its own power supply and can be plugged into an AC outlet).

The monitor, of course, must be compatible with the video standard of the tuner (if the monitor is from a specialized computer this may not be the case). Also remember that the advantage of a monochrome computer monitor comes from its phosphor persistence, not its greenness. Using just the green gun of a color CRT will not have the same effect, nor for that matter will placing a green filter in front of a regular P4 short persistence phosphor screen (which is exactly what was done in some old "el cheapo" home computers).

After you have hooked up your own green screen TV DX rig and judged for yourself if the result is worth DXing in "B & G" (black and green), you can try plugging both the monitor and a regular TV into a tuner simultaneously. There are also other long persistence phosphors on the market besides "P1 green" that may be more effective at reducing "snow" and/or more pleasing to the eye. A more inventive approach was used more than a decade ago by Jerry Pulice of Staten Island, NY in his very successful transatlantic F2 TV DXing efforts. In this approach, a video camera was aimed at a normal P4 tube, and the CAMERA was adjusted for long persistence SENSITIVITY. the result was reduced-snow video on a normal set attached to the video camera.

Any more observations on the use of long persistence phosphors for TV DX would be most welcome.

Robert Grant, KD8EN, 12759 Kelly Road, Detroit, MI 48224.

or phone (313) LA.7-6531
(1200-1430 or 0100-0330 ET, not on weekends)

From Chicago, Illinois and DX from Robert Kramer (N9MBK).



WVIZ-25
Cleveland, Ohio
320 mile tropo
seen August 25, 1991



WBNX-55
Akron, Ohio
307 mile tropo
seen August 25, 1991

Thanks Bob; you get some good loggings from your area. djn

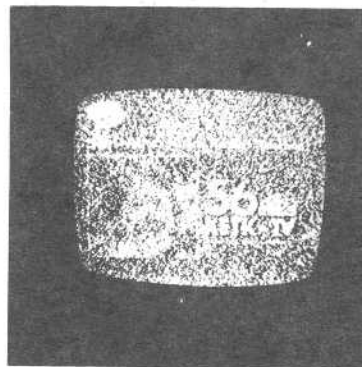
From Christopher Dunne - Pembroke Pines Florida we have a Cuban catch while at Sugarloaf Key, Florida.



CUBA VISION 6
channel 9
100 mile tropo
Matanzas, Cuba
seen April 2, 1990

Thanks Chris; sorry your WPSX foto didn't turn out better.

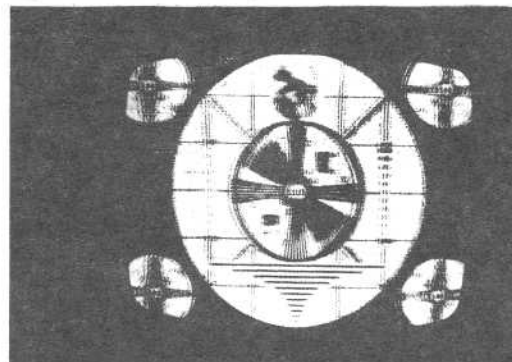
William Eckberg - 1032 Sterling Road - Dixon, Illinois 61021 is asking for your help in identifying a skip station see on channel 2 last June 29. What makes this test pattern unique is: instead of an "INDIAN HEAD" or call letters. There's what looks like a "FIGHTING COCK" head on top. Have any idea; Bill would appreciate your help.



KETK-56
Jacksonville, Texas
747 mile tropo
seen May 28, 1991
at 0025 CDT



KFXK-51
Longview, Texas
697 mile tropo
seen May 28, 1991
at 0040 CDT



"FIGHTING COCK TEST PATTERN?" or is it?
ZE Caribbean area?

channel 2
seen June 29, 1991
at 1418 CDT
"Took out WESH-2 Florida for 3 minutes"
"Any ideas!!"



W61BV
Sterling, Illinois
15 mile Groundwave
"went on the air November 15, 1991"

More from Bill next month.

Till next time,
DAVE

WESTERN TV-DX

Fred McCormack
Box 17860
St. Paul MN 55117-7860

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

March 1992

January provided a fantastic start to the new TV-DX year! Super tropo hung over the Midwest on the 4th and 5th, Pacific F2 was arriving in British Columbia, and every reporter noted at least one E skip opening. According to Frank Merrill, the tropo of the 4th and 5th was the best tropo since the Texas opening of September 1989. In Louisiana, Jeff Kruszka noted E skip on each date from the 2nd through the 8th. January E skip was reported on the following dates: 2-8, 15, 16, 19, 22, and 28.

On another note, I would like to encourage everyone who has included station news with their reports to support Doug Smith's Television News column.

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

CH Chihuahua CU Coahuila GR Guerrero TA Tamaulipas ZA Zacatecas

Dave Pomeroy, 2321 SE Libra Court, Topeka KS 66605-1827 (913-266-5477) CST

Equipment:

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

At long last, we are settled enough for me to send in a report from my new location. It is, by far, the best set-up I have had in Topeka. We are not exactly on a hill, but we have no obstructions in any direction.

Normal reception is much improved from Kansas City (especially KSMO-82), although KAAS-18 (Salina) is less dependable. In most of the time is K26CR from Kansas City, Missouri as well as KPTM-42 and KHIN-36. I have traps for channel 38 (KCMC) and channel 49 (KTKA). The use of the latter is the only way to get regular reception of KYFC-50.

Not included in my report was earlier reception of XEPM-2, XEJ-5, and KDBC-4. It was my first ever reception from the El Paso area. Signals were extremely strong.

While in Europe in October, I observed some television in Czechoslovakia and Poland. What a change! Two years ago when we were last in Prague, an all Russian channel (the 3rd in the the city) had just been added. Today it carries a mixture of English language including CNN Headline News. The same is true of Poland where I saw the highlights of the final game of the World Series. Unfortunately, our hotel TV set in Vilnius, Lithuania did not work -- but then, not a lot does there, but that will change.

November 1991	12 tr 1815	WSNS 44 IL 465	3 tr 2300	unid 42 w/ home shopping from se
12 tr AM	KXON 35 OK 190	WEHS 60 IL 465	WEV 44(KY) 445	
	WHSL 46(MO) 285	K22CP 22 KS 105	4 tr 0000	
	K35CO 35 NE 90	(Salina KAKE-10)	KXON 35 OK 190	
	(Cameron CHA)	K15CN 15 KS 105	KWHB 47 OK 210	
29 Es 1900	WDIQ 2 AL 735	(Salina TBN)	WICD 15 IL 420	
	WEDU 3 FL 1090	KDOR 17 OK 175	WFIE 14(KY) 450	
		(o/ local K17CK)	K15DD 15 KS 130	

December 1991	2 Es 1900	WPBT 2 FL 1270	January 1992	3 tr PM	WMBD 31 IL 345
	WEDU 3 FL 1090	WRSP 55 IL 335			1430 WKEF 22 OH 610
12 tr 1815	WLFI 18 IN 490	K57DR 57 MO 150			1530 KMEG 14 IA 240
	WIFR 23 IL 405	(Joplin LPTV)			1830 WFHL 23 IL 370
	WXIN 59 IN 510	WMTV 15 WI 425			6 Es 1830
	WHLA 31(MN) 395	2300 WMEC 22 IL 280			XEFE 2 TA 830
	WXOW 19(MN) 395	WOTO 35 IL 385			XHPN 3 CU 770
	WMTV 15 WI 425	KFAA 51 AR 215			unid 4 Spanish
	WGBO 66 IL 465	(2nd Time!)			
	WTK 29 IN 525	WICS 20 IL 335			
	KIIN 12 IA 295				

The opening of January 3-4 was continuous with some stations (including WICS-20, KDNL-30, KOKI-23, and WHSL-46) in most of the time with strong signals. K15BQ in Topeka has been dark for some time now. I do not expect it to return. Sure makes 15 a better target.

Western TV-DX

March 1992

Jeff Kruszka, 2824-E Steamship Circle, Harahan LA 70123

CST

Equipment:

Sylvania 12" black and white, quad loops cut for channels 2 and 5, Radio Shack U-75 corner yagi. Mitsubishi HS-U31 VCR.

December 1991

2 Es 1750	KDKA 2 PA 925	4 Es 1102	unids 2,3 CBSS	6 Es 1900	KKTO 2 NM 1026
1755	MUF ch 5 briefly	1758	unid 2 PBS, 3 SS		(Audio o/WBRZ)
1900	KLNE 3 NE 888	1900	unid 2 w/ XEW ID	7 Es 1658	XHBQ 3 ZA 955
8 Es 1832	unid 2 briefly	5 Es 1431	unid 2 SS	1712	MUF ch 5 briefly
			(w/ soccer)	1728	unid 5 w/XHGC ID
January 1992		6 Es 1710	unids 2,3,5	8 Es 1730	unids 2,3,5 SS
2 Es 1845	unids 2,3 SS	1716	KOAA 5 CO 1003	16 Es 1834	unid 2 CCI
3 Es 1659	unid 2 SS	1718	KREG 3 CO 1169	22 Es 1649	WMAZ 2 MD 1003

An unprecedented 9 days of E-skip in January including 7 DAYS STRAIGHT! I had more E-skip in January than in July of 1991! The E-skip gods must be making up for that abysmal last summer. Although most of the openings were very brief, it was quite a surprise to come home from work each day, turn on the TV, and say, "Not again!" Most of it was from Mexico (assumed), so as usual, just about no IDs. The narrow opening on January 6th to Colorado and New Mexico also went into FM (MUF 92.9).

Frank Merrill, P.O. Box 669, Macomb IL 61455 (309-833-2661) CST

Equipment

ICOM R-7000 VHF-UHF communications receiver with video adapter and Zenith L1310C9 13 inch. VHF-UHF (Winegard 8100?) with Winegard PA-4975 preamplifier, RG-11, at 40 feet.

December 1991

2 Es 1730	WESH 2 FL 952	30 tr 0325	W29AO 29 AL 537	31 tr 0220	unid channel 21-
	WEDU 3 FL 990	0330	unid 38z Tampa?	0246	CICA 19 ON 616
	WJXT 4 FL 867	0340	WCOV 20 AL 610	0440	WGTU 29 MI 409
	1830	0346	@WNL 44 AL 510		CKCO 13 ON 552
	WPBT 2 FL 1161		@WTO 21 AL 525		
12 tr 0200	WAAY 31 AL 453		(See Note # 2)	January 1992	
0205	W29AO 29 AL 537	0427	+WLTZ 38 GA 637	4 tr 0415	OKC, Tulsa Us
(Anniston	WBRC- 6)	0430	W15AP 15 AL 512	0422	K26CR 26 MO 227
0207	W/K64-- 64 ?? s	(Gadsden	WBRC- 6)		(Kansas City HSC)
	(See Note # 3)	0443	unid ch 31z	0424	@KTFO 41 OK 408
0222	WJSU 40 AL 537	0522	WBMG 42 AL 525		(Snow free)
0228	WGNX 46 GA 574	0533	WABW 14 GA 739	0442	K66CN 66 AR 370
	WATL 36 GA 574	0535	WHNT 19 AL 453		(Harrison TBN)
0229	WFXL 31 GA		WAFF 48 AL 455	0450	K39CI 39 MO 256
0235	WDKY 56 KY 368	0545	WOAC 67 OH 490		(Springfield religion)
	(See Note # 1)	0700	WTRT 26 AL 434	0500	K20-- 20 OK? HSS
0250	Chicago overload	1330	SW OH Us to		(Relog 2/91unid)
	181		Columbus 320-400	0601	@KFAA 51 AR 359
27 tr 2200	KITN 29 MN 342		WTSF 61 KY 460	1349	WAFF 48 AL 455
2222	KSAX 42 MN 428		WQHS 61 OH 470		W52AZ 52 IN 243
2231	WNMU 13 MI 430		WCVN 54 KY 339		(Evansville CHA)
	(Rare)	2230	WGTU 29 MI 409	1356	WMAV 18 MS 428
			WGI 33 MI 371		(Over KLJB!)
	2238	WLEF 36 WI 379	WUPW 36 OH 383	1359	WKNO 10 TN 368
	2327	WGBA 26 WI 301	WCMU 14 MI 369	1403	WBUY 40 MS 420
	W57BJ 57 WI 301		(Green Bay TAB)		(TBN w/loc tel#)
28 tr 2223	W57AR 57 WI 370	2305	WQLN 54 PA 558	2305	unid 29 MI TBN
	(Sayner				CITY 57 ON 616
	WHRM 20 WI 312				CITY2 31 ON 550
	2230	WHLA 31 WI 234			CKCO3 42 ON 464
29 tr 0400	WEAU 13 WI 291				CBLN 40 ON 508
	(HSS)				CIII22 22 ON 437
30 tr 0240	Northern Ohio Us				CIII27 27 ON 684
	CIII22 22 ON 437				CIII41 41 ON 616
	Detroit Us 405				WEEK 25 IL 58
	WTLK 14 GA 521				(AN - Nightside)
0300	WAAY 31 AL 453	0207	CFMT 47 ON 616		(Strongest ever)
0307	WZDX 54 AL 453				1858
	@WZTV 17 TN 365				WMAV 14 MS 580
					(//18 w/L. WeTk)
					WUTV 29 NY cci

Frank Merrill (continued)	5 tr 0256 WCOV 20 AL 610	5 tr 0735 Huntsville-
4 tr 2010 WMAE 12 MS 412	0258 W53AF 53 MS 412	Atlanta-Columbus
(Low power!)	(Booneville WBUY-40)	(28 & 38) & not
2017 WLJT 11 TN	0300 W55BJ 55 AL 510	much else left!
(// MS 18 & 12)	(Jasper ANC)	0748 @KQCT 36 IA 80
2030 WMPN 29 MS 569	0341 W24AE 24 TN 367	1420 "Still going"
WDBD 40 MS 564	(Nashville HSS)	WBMG 42 AL 525
(Awesome)	(Or Macon WGXA?)	W5BNT 47 VA cci
2032 W31AG 31 MS 420	0349 WHSQ 63 GA 590	WGRB 34 KY 365
(Clarksdale TBN)	0359 WDBB 17 AL 513	2200 WJSP 28 GA 618
(New xltr state)	0403 WNOL 38 LA 724	(Over W28BE!)
2239 KLAX 31 LA 622	0441 W36AM 36 TN 367	WGNX 46 GA 574
2244 unid ch 64 TBN	(Memphis VJN)	Chattanooga Us
(See Note # 3)	0500 WDCO 29 GA 685	2211 W51AB 51 GA 490
2258 WJTV 12 MS 567	0520 @WTVM 9 GA 648	(Flintstone WCLP-18)
5 tr 0018 WCTE 22 TN 411	(Under KETC)	(// 28)
0058 WJTV 12 MS 567	0525 WCES 20 GA 676	2300 =WFLI 53 TN 490
(Alone & strong)	(See Note # 4)	2325 Some MI Us weak
0104 WXGZ 32 WI 301	0532 W51AU 51 TN 526	6 tr 0130 All fade except
("Off the back")	(Greenville WKPT-19)	vanishing WXON
0135 @WLOV 27 MS 467	0550 WDEF 12 TN 467	Es 1700 XHIT 4 CH 1194
(On all night)	0600 WNGM 34 GA 577	1728 KMID 2 TX 866
0209 WGBM 44 LA 699	0612 WTKO 11 MS 571	1803 XHJMA 3 GR
0250 W29AO 29 AL 537	(See Note # 5)	(See Note # 6)
WATL 36 GA 574	0624 +WMAH 19 MS 676	7 0300 (See Note # 7)

Note # 1 - (0235 12/12) - This was the most extreme example of "wave-guide effect" ever seen here! Apparent direction was Chattanooga, about 20°-25° off true direction. Within half an hour they were coming in from the proper direction.

Note # 2 - (0346 12/30) - Both stations carrying 3/4 color bars with WTOO ID.

Note # 3 - (0207 12/12)(2244 1/4) - I am not sure if these are from the same station! Jeff Kadet saw the color bars (no calls) often in December implying a QTH like Rolla or St. Louis. I suspect the January catch was further south, as it seemed to peak with KLAX. However, I called three Alexandria stations (including religious FM KVDP) and nobody knew of the channel 64 being active.

Note # 4 - (0525 1/5) - Though Jeff Kadet had this quite strong, I could only hear the slightest bit of the NOAA weather they run before sign on. First tropo here from Georgia's east side. For unknown reasons, Jeff usually does better on channel 20 than I do.

Note # 5 - (0612 1/5) - Channel 11-, same as KPLR, same direction. After following this for awhile, I could finally see "Mississippi" in a local ad.

Note # 6 - (1803 1/6) - I've sent a drawing of the local ID slide to the unid column. Also, I have written to XHJMA.

Note # 7 - WICS-20 NOT on! They were supposed to go all night with "Nightside" on January 6th, but not noted all night on the 6th or 7th or yet. Praise the Lord for small favors. Double joy here, because I presume that co-owned WICD-15 would have also gone all night.

Hello all. Though I often talk about how much I enjoy winter tropo, it's supposed to be much rarer than tropo "in season." This has not been the case! Winter tropo has dominated the 1991-1992 scene so far, with the January 4th-5th event probably the best tropo DX observed here since the classic Texas opening in September 1989. The only significant tropo outside of winter in 1991 happened in late May and late August, but neither opening was as good as early February.

However, none of the tropo reported here had significant effect on FM. I did log WSTZ-106.7 Vicksburg, Mississippi on January 4th but only "by default" - the frequency is wide open here. In fact, I've had no significant FM tropo since June 20th! I'm hoping for another good tropo opening that effects FM (and lowband VHF and NOAA stations).

I'm planning a California tropo during February and early March; with that and my van purchase and my warehouse/office now done, I should have no looming major projects to keep me away from getting a tall "DX tower" put up.

I still find it totally astonishing that I'm able to have these results with, basically, an ordinary antenna. Many non-cable rural people here, like myself, have 40 foot towers with similar antennas and rotors. In fact, this setup was in place when I bought the house. Only the rotor and preamplifier have been changed, the preamplifier to a better Winegard (PA-4975). Macomb is far enough from Peoria to require a deep-fringe antenna for snow free reception. Best DX and 73.

Mike Cherry, Box 631, Ganges BC V0S-1E0 (604-537-5201)

PST

Equipment:

Kenwood RZ-1 receiver, channel 6 crystal trap. Hitachi 5" black & white monitor, Sony Beta Hi-Fi MTS VCR, Archer 15-578 variable signal attenuator. Antennas: Lindsay CC-30 22 element log-periodic with Daico EID-55V 28 dB mast-mount preamplifier @ 38 feet with "ARM-strong" rotor. Homebrew six element 6 meter (50 MHz) wide-spaced beam (2.5 wl) @ 60' with Hy-Gain CD-II rotor.

January 1992

1 ms 1123 KAIQ 4 ID 499	(23 seconds)	5 F2 1640 Australia 46.253 vid	9 F2 1615 USSR 49.760 vid
5 F2 1348 TVNZ 45.260 vid	Es 1727 KNGN 2 CO 1096	6 F2 1710 USSR 49.750 vid	1639 USSR 49.7395 vid
1400 \$TVNZ 50.760 aud	(See notes)	8 ms 2102 KRTV 3 MT 569	1712 48.250 video
(See notes)	1613 ABC - Australia	9 F2 1537 USSR 49.757 vid	(See notes)
46.240 vid	1555 USSR 49.750 vid	1800 48.250 vid 2 cxr	17 ms 1956 KCRA 3 CA 739
		(7 seconds)	19 Es 1000 \$KTVS 3 CO 1150

An F2 peak spoiled me absolutely rotten for about 10 days in early January!! On the 5th, very strong F2 paths to New Zealand produced watchable video (until my eyes hurt from the flickering vertical roll!) and shortly thereafter the MUF was high enough for audio from this station (IDed at 1400 as 'TVNZ 1' with STEREO audio). Occasionally this audio frequency has a "spur" from some NTSC channel A2 transmitters, but a positive ID was heard on 50.760.

January 9th produced a very strong opening to various parts of the Soviet Commonwealth with 49.750 video reported in every part of the USA. This signal was quite strong and widely seen throughout North America. At one point there were three different carriers on this frequency! At 1700, I had just finished working a 6 meter station in Papua New Guinea when I noticed a video sync "buzz" on 48.250. This is tentatively Malaysia as the beam heading would indicate. A few pictures (if you can call it that) came through for a minute or so. At 1800, two different carriers were noted. Although I caught the TVNZ audio on tape, using the VCR to record this is impossible because of the massive interference created by transmitting on 50 MHz at the same time. It is fun watching for video between contacts!

Lots of unids during the Quadrantids, although all meteor scatter loggings were done outside the time frame of this meteor shower.

Hope everyone caught some E skip around early January as there were many reports of E skip during this period.

January's F2 bonanza occurred during a supposedly low point for ionospheric propagation. If this is what an off month is going to be like this year - I can hardly wait to see what February-March-April brings.

73s Mike VE7SKA

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

Equipment: See February 1992 Western TV-DXJanuary 1992

3 tr 0830 KHNE 29 NE 464	2208 WHNT 19 AL 503	12 tr 2000 KQCT 36 IA 61	15 Es 1815 KKTO 2 NM 972
1400 KXNE 19 NE 402	2235 WKSO 29 KY 405	29 tr 0500 WOIO 19 OH 401	0515 WKMLU 21 KY 358
4 tr 0125 KPOM 24 AR 513	6 tr 0120 WTOO 21 AL 582	0540 CBLN 40 ON 419	0545 CBLN45 ON 422
0130 KHBS 40 AR 513	0138 WMTU 16 TN 419	0550 CFMT 47 ON 514	0555 CITY 57 ON 514
0440 WMTU 16 TN 419	0200 WAAY 31 AL 503	0555 CITY 57 ON 514	CITY2 31 ON 442
0450 KTFO 41 OK 519	0205 WFXL 31 GA 758		
0550 KSNF 16 MO 413	0254 WCOV 20 AL 666		
0605 KFAX 51 AR 444	0256 WZTV 17 TN 408		
1350 KSAX 42 MN 404	0300 WTBS 17 GA 610		
5 tr 2130 WBMG 42 AL 582	2130 KSAX 42 MN 404		

I had my longest tropo ever to the southeast in the AM of the 6th. While watching Huntsville 31 at 0200, WFXL-31 in Albany, Georgia appeared out of nowhere. They were in 20 minutes with color bars and big ID. They are 75 miles north of Tallahassee, Florida. (I sent a picture and one of their engineers called to inquire about the particulars.) Then an hour later, Turner's WTBS-17 in Atlanta took out Nashville 17s distinctive all night slide. An exciting conclusion to 16 days of very unusual winter time tropo conditions.

After many years I've logged the KET outlet on channel 21 in Murray, Kentucky with a good quality signal. Why did this take so long at only 358 miles?

William Eckberg (continued) I am more impressed every day with my new UHF antenna system. The modest height increase, elimination of a large tree toward Ontario, installing the VHF and UHF antennas on separate towers, and replacing the 4975 with the latest RDX Labs preamplifier have combined to give me my best UHF installation ever. The results speak better than words.
KQCT repeats WQPT-24 Moline, Illinois. They are very weak here.

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

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 21920W 19" color TV.

November 1991 14 tr 0030 K49CU 49 MN 161 27 tr 1420 WQVC 35 MI 359
(Walker KMSP- 9) 1427 South Bend Us

6 Es 2305 KPRC 2 TX 1109			
13 tr 1858 WCMW 21 MI 306	December 1991	January 1992	
1915 WGI 33 MI 351	2 Es 0323 KREM 2 WA 1196	4 tr 1720 KMCI 38 KS 473	
1916 W57BJ 57 WI 221	("Crème 2")	KSPRT 33 MO	
(Green Bay TAB)	1500 WDIQ 2 AL 1008	8 Es 1840 KATC 3 LA 1062	
W68BS 68 WI 221	1604 WLB 3 MS 918	11 gw 1935 K35CY 35 MN 56	
(Green Bay TBN)	1606 WBRZ 2 LA 1046	(Minneapolis HSS)	

Note - K35CY was on the air 24 hours a day through the 14th with nothing seen since, so apparently just testing.

Finally got the antennas back up October 27 - just four days before a snow storm brought an early winter by dumping two feet of snow on the area. Although this winter has shown above average conditions out to 150 miles, there hasn't been much beyond that in the way of true tropo.

With the HD-73 having been discontinued, I was delighted to discover Alliance has a virtually identical replacement model, the HD-73-1. The two major differences between the two are mostly aesthetic; the on/off switch and the azimuth indicator have been "improved." I was a bit puzzled by Eric Voytko's statement in the December VUD that the PA-4975 has been discontinued by Winegard. I replaced my preamplifier at about the same time he did, and I had no trouble in obtaining a PA-4975 as well as a PA-1375 from the same product line. When I ordered them in early October, no mention was made that they had been discontinued. They didn't appear to be from a large back stock either as the date of manufacture stamped on both boxes is 8/91.

The dreaded ValueVision shopping network has finally materialized on K07UI and W62BD in Minneapolis and is now beginning to proliferate throughout the country. Until next time... 73, Mike

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

Equipment: See February 1992 Western TV-DX

January started out good, but two weeks of "deep freeze" set in which killed tropo activity. It looks to be picking up slightly again though.

January 1992	4 tr 2040 KDNL 30 MO 432	4 tr 2226 WZDX 54 AL 685
4 tr 1900 WUSI 16 IL 402	2044 WEIU 51 IL 345	2245 WABM 68 AL 768
WVUT 22 IN 405	WKGB 53 KY 530	WXMT 30 TN
KOCR 28 IA 280	WWSL 46 MO 432	unid 52 TMC
KSAX 42 MN 380	2110 KSHB 41 MO 525	(St. Louis hdg)
K58BS 58 MN 280	2113 KYFCT 50 MO	2321 W30AL 30 IL 199
(Minneapolis TBN)	KSMO 62 MO 525	(Piano CHA)
WQPT 24 IL	2120 KOZK 21 MO	WZTV 17 TN
1958 WDRB 41(IN) 437	KCPT 19 MO	2329 WTVQ 36 KY 473
WKMJ 68(IN) 437	KMIZ 17 MO 450	2337 WHNT 19 AL
2020 KBSI 23 MO 512	2135 KTAJ 16 MO	W19AZ 19 ??
2032 WKMT 21 KY	2148 WGRB 34 KY 499	(Unknown Morse ID)
WKPC 15(IN) 437	2207 KNLJ 25 MO	(See Note # 1)
WKPD 29 KY	2210 WBMG 42 AL 768	2349 WFIE 14(KY) 420
WKMA 35 KY 499	5 tr 0715 WAFF 48 AL 685	CCI-WCET 5 bars
2040 KNLC 24 MO 432	WCET 48 OH 400	

William Draeb (continued) 5 tr 1308 WSFJ 51 OH 395 7 tr 2106 WTVQ 36 KY 473
1320 WTTE 28 OH 395 2117 WKMA 35 KY 553
5 tr 0715 WBMG 42 AL 768 1320 WTLK 14 GA 724 WYMT 57 KY 553
WKGB 53 KY 530 (See Note # 2) WDRB 41(IN) 437
WZDX 54 AL 685 WTCIt 45 TN 19 tr 0727 WDRB 41(IN) 437
K58CM 58 MN 286 WLEX 18 KY 473 20 tr 2102 KNLC 24 MO 432
(Duluth TBN) 1515 WKPC 15(IN) 437 KDNL 30 MO 432
0720 WKMJ 68(IN) WBSN 47 VA 587 21 tr 1830 KSAX 42 MN 380
WABM 68 AL 1526 WDKY 56 KY 504 28 tr 2102 WTCI 45 TN 690
0736 WZTV 17 TN 1609 WPGH 53 PA WPBO 42 OH 461
WTTD 21 AL 1633 WEMT 39 TN WDRB 41(IN) 437
WDRB 41(IN) 437 1645 WHNT 19 AL 685 WCET 48 OH 400
0910 WJSU 40 AL 1745 unid ch 51 se KOCR 28 IA 280
WGRB 34 KY 499 (See Note # 3) KSHB 41 MO 525
WOSU 34 OH 395 1808 WGBT 48 NC KMIZ 17 MO 450
KNLC 24 MO 432 1907 WTJT 60 AL KYFC 50 MO 525
KDNL 30 MO 432 CBCE 16 OH 270 KSMO 62 MO 525
WWSL 46(MO) 2036 WUSI 16 IL 402 KCPT 19 MO
WSTR 64 OH 400 WEIU 51 IL 345 2122 WQPT 24 IL 265
WXIX 19(OH) 400 WTTE 28 OH 395 2126 KSNF 16 MO
WVAT 53 OH 437 2145 WIIQ 41 AL 833 WTVR 16 IL 365
(IDed @ 1313) (See Note # 4) KTAJ 16 MO
WKON 52 KY 437 2156 WBMG 42 AL 768 2204 WKLE 46 KY 473
WCET 48 OH 400 (See Note # 5) WDKY 56 KY 480
WCVN 54 KY 407 WDBB 17 AL WBNX 21 KY 437
WNEO 45 OH 405 WPMI 15 AL WXIA 19(OH) 400
W33AR 33 IL 170 6 tr 1225 KSAX 42 MN 380 WOSU 34 OH 395
(Rockford WCIU-26) Es 2115 CJCB 4 NS 1305 WKON 52 KY 437
W45AJ 45 IL 165 unids chs 2, 3 WTVQ 36 KY 473
(Rockford CHA) 7 tr 2017 WPBO 42 OH 461 WKYT 27 KY
W62BU 62 IL 170 WCET 48 OH 400 29 tr 0715 KNLC 24 MO 432
(Rockford WWT0-35) WMSY 52 VA 618 KDNL 30 MO 432
W68BR 68 IL 170 WBSN 47 VA 587 WWSL 46(MO) 432
(Rockford WCF0-38) 2106 WKPT 22 KY 0728 WHSL 16 IL 402
1030 WPBO 42 OH 461 WKPT 19 TN

Note # 1 - The W19AZ on January 4th is a mystery. I was tuning across the dial and when I got to channel 19, I caught the last two letters of the call ("AZ") via Morse Code ID. I couldn't decipher the video as there were three or more stations mixing it up. (W19AZ is assigned to Okeechobee, Florida. fm)

Note # 2 - Solid audio ID at 1339. Heavy CCI from WPTO.

Note # 3 - Is WEKT-51 on? (Cancelled. fm)

Note # 4 - "A.P.T." ID at 2159 (audio only) followed by promo for National Geographic Special. Video also there, but heavy CCI from WDRB.

Note # 5 - Over WCLJ for the first time tonight.

About the tail end of the January 5th opening - all day closer stations were overriding Birmingham and Huntsville Us until around 2130 when closer stations suddenly became weaker and further away stuff like WBMG-42 and WIIQ-41 was allowed to come through. It's interesting how Tennessee was practically left out of the opening.

SPECIAL NOTICE TO ALL DX'ERS

THERE IS A NEW RADIO STATION IN SAN DIEGO COUNTY AND THIS DX'ER IS ADVERTISING HIS BUSINESS ON THIS NEW RADIO STATION. IF YOU SEND ME A CASSETTE TAPE WITH A COPY OF MY PSA I WILL VERIFY THAT YOU HEARD IT. NOTE: I AM NOT AN EMPLOYEE OF THE STATION AND CANNOT VERIFY YOUR ACTUAL RECEPTION OF THE STATION. YOU WILL STILL HAVE TO WRITE DIRECTLY TO THE STATION FOR THAT. THE STATION IS ON FM AT 100.1 AND IS KBNN JULIAN/RAMONA. THEY USE THE FOLLOWING SLOGAN -- "KABIN' 100.1 FM". SEND YOUR TAPE DIRECTLY TO ME: ALBERT S. LOBEL, POST OFFICE BOX 26762, SAN DIEGO CA 92196-0000. BE SURE TO INCLUDE A STAMP FOR YOUR LETTER AND IF YOU WANT YOUR TAPE RETURNED PROPER POSTAGE FOR IT. NO ENVELOPE IS NECESSARY.

ALBERT S. LOBEL

EASTERN TV-DX

Bill Nienajadly
PO Box 2999
Clifton NJ 07015-2999
1-201-478-3044
no collect calls

MARCH 1992

Log cut off 3 months

Deadline 4/5/92

Some more reports of the super tropo during the last week of 1991. Mike Reid of North York Ontario reports reception of KVRN ch 15 in Fargo ND at a breathtaking 820 miles! Mike also logged KSAX ch 42 out in Minnesota. Jeff Wolf of MD reports THREE E-Skip dates in January 1992, they were Jan, 4, 6 & 7. But Matt Sittel reports ES to FM (briefly) on Jan, 5th! On January 29th & 30th there was really decent tropo in the TN & Ohio areas with stuff out to 565 miles, with Tom Bryant in TN logging WCMV 27 MI, Tom went on to say it was his biggest month ever for new loggings! With all the great tropo and FOUR reported ES dates in January, one would think this ETVDX edition is covering late May, not Wintery January!

Those wishing to mention reception of Amateur TV stations may do so in your comments. Last year or so in ETVDX Keith Pugh wrote in about ATV and how we can view it. And again in the Feb, WUD it was talked about. Perhaps ATV can be a good probagation indicator for tropo ducting! If ATV DXing takes off, we might start a separate page.

One other headline item. The mobile scanner law has been repealed in New Jersey, this means you can carry your scanner in your vehicle and monitor the MUF (among other things), you can listen to low band and listen during ES season the MUF rising into the TV & FM bands, this will give that extra 'edge' for VHF DXing... NOW TO THE DX!

Jeff Wolf 1131 University Blvd W Apt 701 Silver Springs MD 20902

Connections to the January 1992 WUD report: dates listed as August should be September, the UHF antenna listed as twin lead bowtie, is a twin lead bowtie "Golden-U" by Radio Shack, catalog # 15-623 and TV is a Dayton. (Jeff, did I screw up your report? If I did, let me know-BN) ALL JANUARY 1992 ESKIP except for WJNP

4 ES 1256 UNID 2- cci	6 ES 2309 MUF 3	7 ES 0030 KGFE 2 ND?	7 ES 0110 fade outs
1353 MUF 3	7 ES 0007 UNID 2,-2- PBS	0059 UNID 2+	9 Tr 2330 WJNP 36 NC
1500 MUF 2			

Matt Sittel PO Box 21451 Raleigh NC 27607

From Raleigh NC: 1/8/92 Tr 2320 WTAT 24 SC 200 (Matt, this was separate from your Kingsport loggings, Raleigh?-BN)

FROM KINGSFORT TN JANUARY 5:1992 ES

1228 KBTX 3 TX 877	1229 KPRC 2 TX 888	1430 KMID 2 TX 1165	Some Nice Skip noted 1/5. My Mom tipped me off;
1229 KMOL 4 TX 1037	1230 KIII 3 TX 1069	1600 KENW 3 NM 1210	she said "WHAT'S WRONG WITH 2" Trying to watch

ed it out, I saw WSJK being destroyed by cci (Awww!!!), and strong skip through 6! It did peak in FM briefly. No good tropo in Raleigh, though. 73's Matt.

Robert Ross (VE3 JFC) Box 1003, STN B London Ontario N6A 5K1 Toshiba portable, UHF Flying arrow, VHF-FM Beam

(See notes at the end of report-BN)

ALL December 28 1991 Tropo except Dec 29 Tr of WEYI 25 MI

1540 WUTR 20 NY	1650 WXXI 21 NY	1758 WCONY 24 NY	
1545 WWTW 9 MI	1703 CBCE 16 ON	1838 CICA 38 ON	2259 WCFE 31 NY-nt # 2
1555 WDMA 6 MI-nt 1	1720 WNP1 18 NY	1930 CIVO 30 PQ	2045 WEYI 25 MI -(logged on 12/29/91-BN)
1624 CBLFT12-44 ON	1735 CBLFT 15 ON	1942 CBOU 5 ON	

Note #1 PBS prg-"Computer Chronicles-spot for buisness in Midland, MICH. Multi city ID-OVER GLOBAL TV!!

Note #2 WCFE-ID Plattsburgh NY-on screen -adv-for CJAD 800-stereo in Montreal. This station is actually on Ch 57.

The Woodstock, ONT translator for CITY-TV picked up this signal instead of CITY-TV in Toronto-Weird!!

George Greene 1527 Sunset Ave Akron Ohio 44301- Admiral b/w TV 1978, UHF antenna @ 30' AG

****-NEW REPORTER-****
ALL TROPO JAN 30th 1992

0340 W... 36 KY 0050 WLKY 32 KY 0054 WDRB 41 KY 0059 WEHT 25 IN

A decent night for tropo, also on the FM dials....could use more of this type of reception in the winter, heh. Lots of unids all over the UHF band....wish I had a good TV log to have a better idea of what I'm seeing, hi 73

Saul Chernos PO Box 801 Peterborough ON K9J 7A2 (705) 741-4557 From Orillia, a wrap up report;

11/6/91 ES 2100 WDIQ 2 AL

11/18/91 Tr 030 WMTI 50 NY

Comments: really not a lot to say. The tropo was terrible this past fall. It just wasn't there, in fact. I've moved to a better job and am living in downtown Peterborough in a rowhouse. Conditions aren't going to be great. Another local cable company is about to be asked to clean up their @**king (leakage) act. I'm close to Burnt River, again, but in the other direction. That'll be fun. Please note my new address and phone number. 73's Saul

Eastern TV DX

March 1992

Doug Smith 14 Brookside Court, Nashville TN 37209-4503 Sears 19" tabletop, rabbit ears, RS corner reflector @ 6 ft

JANUARY 1992 Loggings

6 Tr 2130 WBMG 42 AL 177	6 Tr 2130 WTJP 60 AL 157	6 Tr 2225 WHSG 63 GA 241	29 Tr WICS 20 IL 296t
WITTO 21 AL 177	2200 WTLK 14 GA 162	2300 UNID 28 see note # 1	See note # 2

Note # 1 3/4 cb w/ID & some other info supered at bottom. Un fortunately, only legible part was "28". WJSP-GA ? Note # 2 Tail end of an opening in which Tom (Bryant-BN) had Michigan. Weak in CCI with EPT ad.

Thanks to Tom Bryant for tipping me off to the Jan. 6 (and 29) opening, which bought one new TV and several decent relogs. (Some of the strongest Birmingham ever) I think there was ES that evening too (Sure was-BN), as I had CCI on local WGRN-2 & Tom said he saw something that looked Es-ish on 3 too. (Keep up the great job with the TV News column, really is informative!-BN)

Tom Bryant 849 Todd Pries Dr. Nashville TN 37221 (See past ETVDX columns for equipment-BN) Total now 312

December 1991

29 MS 0215 UNID 2 HSN (KSNC ?)	29 0259 UNID 2 3/4 cb	30 0052 KDNL 30 MO 258	30 0100 KNLC 24 MO 257
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January 1992

4 Tr Many hi-V & U	5 Tr 1829 WPBA 30 GA 211	29 Tr 1630 WHSL 46 MO 256 (IL)	29 Tr 2018 WKBD 50 MI 484
relogs-KY, MO, MS&AL	2048 WLTZ 38 GA 272	1659 WYCC 20 IL 407	2030 WTVS 56 MI 484
5 Tr 0159 KCRG 13 MO 339	2059 WGTI 43 AL 308	1659 WCIU 26 IL 405	2034 WXON 20 MI 484
0251 WBYU 40 MS 173	2141 WHSG 63 GA 211	1930 WNDU 16 IN 386	2059 WFWA 30 IL 362
0259 WDBO 40 MS 323	6 Tr 0025 WGBG 30 MS 275	1930 WSJV 28 IN 387	2127 WEIU 51 IL 248
0314 KNLJ 25 MO 339	15 ES 1800-1845 cci MUF 2	1932 WSBT 22 IN 387	2159 WYIN 56 IN 368
1130 WCLP 18 GA 151	29 Tr 1159 WICS 20 IL 295	1959 WNIU 34 IN 385	2200 WBGU 27 OH 387
1159 WJSP 28 GA 252	1400 WICD 15 IL 284	1959 WHME 46 IN 386	2205 WUPW 36 OH 430
1829 WATL 36 GA 211	1600 WCTT 27 IL 158	2002 WTKT 29 IN 296	2213 WEYI 25 MI 523
1829 WBNX 46 GA 211	1615 WCCU 27 IL 300	2011 WSYM 47 MI 460	2230 WZBAl IL 178
		2159 WQWV 27 MI 565	2259 ACT 45 MO 175
			2259 KOZK 21 MO 345
			2339 UNID 42 TBN (KY-MO-IL)

Comments: December was hardly worth repeating. However Doug

Smith tells me that I missed a good opening the week I was vacationing in XHMZ-land ! (Tom how about XHIT-land-BN) Oh well, I did get to see some Mexican TV: and found out more about 'ECO' which I'll pass along to Matt's CCI & UNID's column. With the exception of a few days, January was deadsville....but 00000000H, those days things were hopping were fantastic! Very few relogs here...those that do appear are rare (or semi-rare) occurrences. Just a couple of notes...the MI Loggings were my first U's from that state...50 was s/f for a short time. Thank to Ed Phelps for help on IDing WZBAl in Salem IL. He thinks it's owned by 'Three Angels Broadcasting' (who are they??) Jim, Tammy Faye and Brother Henry?? (Ed Comment: Er, how about Moe, Larry & Curley or 3 Angels from the baseball team out in California?-BN) I didn't get the legal call of 45 in Cape Girardeau, MO but they ID as "ACT-45" (religious format). Tom

IT WAS MY BIGGEST MONTH EVER FOR NEW LOGGINGS...THANKS AGAIN TO DOUG ALLEN FOR THE ANTENNA ADVICE! Goodbxing to all!

Mike Reid 1408-65 Spring Garden Ave North York ON M2N 6H9 19" Zeith b&w (1977) ICOM R7000, AC-4990

Radio Shack two-bay on 14th floor

ALL DECEMBER 1991 Tropo

27 2100 Pittsburgh	27 2217 WDFC 38 IL	28 0030 KVRN 15 ND -NT # 3	28 0406 WICD 15 IL
16-22-53	2224 WFFT 55 IN	WTAH NY	0407 WNDU 16 IN
CBOT5 33 ON	2237 KSAX 42 MN -Nt # 1	Binghamton TBN	0850 WIOB 20 OH
2105 WLEF 36 WI	2310 WMTV 15 WI	0035 WETM 18 NY	0855 WLEF 36 WI
WFWA 39 IN	2310 WHA 21 WI	0050 CFKS 30 PQ	0900 WTSF 61 KY
2112 WYOU 22 PA	2335 WXTN 59 IN	0052 WJGZ 32 WI	0910 WJUC 44 OH
2114 CIVO 33 PQ	2337 W6SAJ NY	0053 KRIN 32 IA	0934 WSFJ 51 OH
2118 WVIA 44 PA	Angelica WNED	0133 WHRM 20 WI	0947 WXXA 23 NY
2120 WJSE 60 IL	2345 WOSU 34 OH	0200 WDLI 17 OH	1017 W6OAD NY
2127 W6ZAN NY	WGBA 26 WI	0202 W6SAJ NY	Savona with
Nedrow WCONY	WCCC 23 IN-t	(W/MDLI)	WSKG---
2150 WKUG 33 IN	2350 WNIJ 52 NJ	0350 W6AAR WI -Nt # 5	
	2358 WWHI 17 NY	Fence w/WDFC	

Notes;

1-ABC 42z w/mentions of "ch 5" and references to Minneapolis. Definitely got my attention. Sattelite of KSTP-5. My all time UHF distance record for about two hours. QSL'ed.

2-Shows this opening was going in several directions at once.

3-Fox 15 - A lot of Fox promos and local ads. Heard 'downtown Fargo' in several. I had joked about getting this far out earlier in the evening. New all time UHF distance record (about 820 miles) & station # 600 as well. QSL'ed.

Mike Reid returns from the last page

4-Both 32's in at the same time, WKGZ+, KRIN-

5-Normally a WPNE-38 translator. It is known to repeat WQFC when WPNE is off and according to Frank Merrill this is the only way that WQFC could be seen on ch 54.

Did I really want this opening? Not really, (Gasp!-BN) I had been out and intended to pack for the trip to Florida when I got back. Checked the tropo due to warm evening and saw a lot of Pittsburgh, N.E. Ohio, S.W. Ont, Elmira Wingham, etc. Thought I quickly note this and get on with packing. Until I hit ch 36 and saw a non zero beat, which is a sign of something good. Checked the Icon and found a PBS 36+. For a while I thought it was Oakland, MD until Wisconsin mentions came along. Spent my time divided between Dxing and packing, doing injustice to both. Got away late the next day because of the tropo and had about 2 hrs. sleep. Tropo still going strong.

From now on there is no difference between my UHF distance records for Toronto as a whole, and this location. I wondered if this would happen. My two-bay has out performed my 5' dish at the old house twice. (Could elevation at this location be a major factor?-BN)

I suspect this opening was due to the "El Nino" effect. Past "El Nino" winters have been quite good for late fall and winter tropo. From this location, upper MI FM's like WCPN-90.5, WAIR-92.5 and WOL-91.7 have been in often. I have wondered why I don't get more in this direction. It is interesting to note that Fence and Fargo are on the extension of this path, so obviously a good direction.

In other news, I believe my un-id ch. 15 "beep-tone" from my last report was CBCQI, again. Frank Merrill confirms that CBC-North (Atlantic feed) does run such a tone. Little current 16 does have a minus offset, so correct the list in the Nov. report. 73's Mike

Christopher S Dunne 21541 NW 8 Ct Box 81 Pembroke Pines FL 33029 -Sony Trinitron 9" TV, Teknika tuner, RS 6 el FM

11/12/91 Tr 0730 WQFC 18 FL 175	1/ 6/92 Tr 0500 ----t 13 FL 110	1/ 7/92 Tr 0030 W50-- FL 100
new ch (from 68)	See note # 2	//MFLX-29
12/19/91 Tr 0345 ----t 13 FL 110	2350 W16-- FL 145	0030 WJEB 59 FL 300-t
see note # 1	Palm Bay//MESH-2	see note # 3
		1/16/92 Tr 0500 ----t 13 FL 110
		see note # 4

Notes: # 1 TV MARTI-very tentative. Man in suit & necktie, possibly reading news. Unwatchable reception. Could've been CNN Head Line news via WTVT also

2 TV MARTI- this time, more likely. Word on screen looked like "Enfoque". Marti does have a show with that title. I'm counting on it, but I'll keep trying if conditions are better& I'm awake that time of the morning.

3 TBN, other possible Jacksonville 17/47 also in. Is this full power now?

4 TV MARTI (no, you're not getting *deja vu*)- this time I'm 95% sure. Was running a western until 0430, news feature until 5.

Don't let the 110 mile distance fool ya. TV Marti is mega-directional, for obvious reasons. From the area that trier balloon is stationed (from terra firma, that is), it's only visible from on TV for about a five mile radius. How do I know that? See below.

EXPEDITION FROM SUGARLOAF & CUDDIE KEYS, FL-1/18/92

ES 1700 UNID 2 SS ??	ES 1900 UNID 3 ??	Tr eve CV-- 3 & 6 CUBA
Maybe XHRIO	Tampico Mex FM's in	CUBA VISION // 9

I am looking for WIFDA contacts in the Keys, South Central TX & Latin America. I am trying to keep abreast of the DX scene in these areas. Any help would make me say *muchas gracias*. Setenta Y tres Chris

Dave Nieman 12284 Nice Road Akron, NY 14001-9529

Dec. 1991	Jan. 1992	Jan. 1992
30 Tr 1930 WWTW 9 MI 350	7 ES 0001 KMTV 3 NE 901	22 Tr 0839 WJNS 23 NJ 294
31 Tr 0930 WUP 10 MI 348	0001 KLINE 3 NE 1091	NJ Net. CB test pattern
Jan. 1992	0030 KDLD 3 SD 955	0843 WJNT 52 NJ 271
1 Tr 1031 WKAR 23 MI 299	1101 KSNW 3 KS 1058	NJ Net. CB test pattern
7ES0000 KATA 3 SD 1235	1202 KFDX 3 TX 1246	28 Tr 0900 WMPY 22 MD 291

Another slow DX period. Dave

Field Guide to ETVDX

ES-E-Skip	F2-F2 Skip	TBN-Trinity Broadcasting Net	s/f-snow free	//-parallel to
MS-Meteor Scatter	AU-Aurora	VJN-Video Juke Box	ns/f-near snow free	tent-tentative
Tr-Tropo	AE-Aurora induced skip	xltr-Translator	exc-excellent	\$\$-Stereo

General Guidelines: You submit any logging format as you like, if it is typewritten ready, I might use it as is, if I have space & it follows the general ETVDX format. You can use KM or Miles, but not both. If in KM, say so.

No minimum mileage requirements, stuff gets common, I edit it out, applies to tropo only. Comments at end of report are rarely, if ever edited down if it applies to DX, station changes, status, equipment, Dxing in general, you know what I mean. Comments are important just as the loggings themselves. Those are my simple guidelines-BN

NORTHERN FM-DX

GREG CONGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 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
MARCH 1992 LOG CUTOFF: 2 mos. from you mailed DEADLINE: The 5th

Some good tropo near the end of 1991 were noted by some, plus there have been numerous off season E-skip openings. Let's hear from you! There are some interesting comments included in this month's NFM about phasing; you will want to check them out. Plus Dan Oetting notes many low power advertising stations popping up around his home; has anyone else noted this? Also, a column note: I am phasing out unIDs in this column-they should be sent to MATT SITTEL who is doing the unIDs CCI column now. Thank you for your co-operation. Also, I have been lenient in enforcing the log cutoff since it is the off-season, but once the summer season's big columns roll around, I will ask that you please send in your DX within 2 months of your postmark. And now, on to your DX!....

Bill Nienajadly PO Box 2999 Clifton NJ 07015-2999

1/ 3/92 MS

1848 WHTK 99.7 SC Port Royal "....Hit Radio (announcer says) Jesus Jones!....WHTK.." 23 sec into song
1944 UNID 99.7 ?? "....12 in a row, making the way for Katey (?), get me off with a good start on a Friday night, Sid here, just about to get on out of here.." 8 sec

1/ 6/92 GW/TRS

2048 WBMW 106.5 CT Ledyard Stereo, VERY WEAK here, they run NESN a/c at nites. new on air
1/12/92 -installed another 6 Element ant & another rotor

1/14/92 -Phase box arrived today-Louisey conditions out, cx near dead GW/TRS/PHS

Thru

1/17/92 Composite listings....With new set-up, 2-Radio Shack FM only antennas and 2 separate rotors

WSUL 98.3 Monticello NY last heard in 1985 at 80 mi, also WDAQ 98.3 Danbury CT 55 mi second time logged
VS ...Strong semi WKJY Hempstead NY 22 mi and WMEQ New Brunswick NJ, very impressive. Normally WKJY & WMEQ dominate.

WHCN 105.9 Hartford CT only comes in on very strong NE tropo VS...Local WNK Newark (really in NYC), had bits & pcs of WHCN, just barely there but very impressive under dead cx!

CHTZ 97.7 St Catherine's VS ..WCZJ Hyde Park NY usually dominates North & North West ant bearings, WCZJ gone!
Also Conn pests WRCH 100.5 & WKCI 101.3 clog respective channels for DX as these come off the back even with the antenna pointed to the West at times. With WRCH & WKCI null'd I can get no more CCI on 100.5 enabling me to hear WOR Rochester NY and WGBI Scranton PA fading in & out. Nice! Also can null WRFY 102.5 in Reading PA to get a clear empty 102.5 to the Northwest and hear WMOJ fading in from Buffalo NY 275 miles occasionally. On NYC locals, well what did you expect? I can't null them out at 12 miles, but a few of them I can get a bit of a signal reduction, probably enough to get maybe some tropo over the locals and very likely E-skip too. Oops, before I forget, there was a E-Skip opening on 1/20/92 at 1705-1745 with a MJF at or near ch 6!

Comments on the phase box. It is worth the asking price of \$145.00. It has some nice features like you can not only null out pests, but you can bring in them clearer with less fading. I'm very impressed on what phasing in general can do. Phasing itself is not new. It has been in use in the CATV industry for years! A WIFDA member sent a copy of a couple of pages from the CATJ (a catv journal/trade magazine) dated, get this from 1974! Phasing is not new, but the phase-box is. Andy Bolin has a excellent 7 page write-up on the phase-box, send him a SASE for write up, he explains in depth all about phasing in general too! I think phasing is not a total cure -all but rather another still another important tool for FM Dxing. More later when the tropo are up. Goodking! Bill!

GEORGE GREENE - 1527 SUNSET AVE. - AKRON, OHIO 44301

Equipment: McIntosh MR78 tuner, Stereo Probe 9 approx 35' above ground, new underlined

JANUARY 1992 DX

6GW
1740 WWCW 101.1 OH Grove City, modern CD101 right thru WHOT-FM, called to confirm

29 Tr

2225 WHOK 95.5 OH Lancaster, k o/local WCLV

2228 WAJI 95.1 IN Fort Wayne, very strong

signal with no WQMX stop, mostly oldies

2230 WCOL 92.3 OH Columbus, oldies, Kool 92

best signal in awhile over local WJMO-FM

2325 WEEC 100.7 OH Springfield, religious

programming heard in WMMs null

JANUARY 30 Tr

0015 WMDH 102.5 IN New Castle, country music

strong signal instead of usual weak reception.

0018 WFU 103.7 IN Bloomington, w/classical

and no sign of usual Erie station.0020

WYMI 103.9 OH Beaver Creek-Oldies 104

with oldies format on Alan Michaels all night show

now a fairly easy catch with WBBY off the air

0024 WUBE 105.1 OH Cincinnati, "B105" and

country music right thru local WQXX

Others of note that same 29/30th evening include WQLK-96.1-Richmond, WMEE-97.3-Ft.Wayne, and very strong WPIG-Olean-95.7. Yeah, only a couple days worth of loggings here, but figured I'd mention these now since it's the first good tropo cx in awhile around here, hi. TV rather interesting, too, and will be mentioned in Bill's column. 73.

MICHAEL HAWK - 10212 P ST - OMAHA, NE 68127-2130 (402) 592-1186

Equipment: Kenwood KT-815 IF mod., Archer 6 element up 30' fed with RG-6 75 ohm coax.

JANUARY 1992 DX

3 Tr (CDT)

1144 KTSB 93.9 IA Sioux Center
1300 KLWN 95.9 IA Newton, oldies

3 MS

1457 WHFS 99.1 MD Annapolis, ID
1459 WHKO 99.1 OH Dayton, "Dayton, Spring field, K-99.1"
1500 WFMK 99.1 MI E. Lansing, "Lansing's home of lite rock and less talk."
1534 WFRO 99.1 OH Fremont, Fremont cable-vision ad, weather.
1538 KCLV 99.1 NM Clovis, "KCLV, Country 99."

1603 WCOS 97.5 SC Columbia, traffic report

3 CW

2151 KLSN 98.9 IA Jefferson, The new 98.9 AC music.

4 MS

0140 WZFXt 99.1 NC Whiteville, weather, mentions of NC cities then " and ?? in ???ville"

4 Tr

1247 KRUZ 102.5 MO Joplin, Z-103
1300 KGNL 107.5 OK Ketchum, K-Grand
1306 KYQQ 106.5 KS Arkansas City, Q-106.5
1409 KMOD 97.5 OK Tulsa, 97.5 KMOD
1415 KSDB 91.9 KS Manhattan, Women's K-State basketball
1538 KTXR 101.3 MO Springfield, SMSU basketball
1653 KQLA 103.9 KS Ogden, Q-104
1800 KJPW 102.3 MO Waynesville, k

6 Es

1754 XHMW 102.3 TM Nuevo Laredo
1757 XHJD 98.9 NL Monterrey
1800 XHRL 98.1 NL Monterrey, Nuclear Radio Monterrey
1801 XHNLO 97.1 TM Nuevo Laredo, full ID
1803 KOYE 94.9 TX Laredo, Y-95
1804 KHOY 88.3 TX Laredo, EE and SS ID
1805 XHRK 95.7 NL Monterrey, XH-Rica
1810 KENL 89.9 TX Laredo
1811 XHXL 91.7 NL Monterrey, 91 Estereo
1818 XHSAB 89.5 NL Sabinas Hidalgo, mono, strong but audio was scratchy & weak
1820 KELT 94.5 TX Harlingen, K-Light
1822 KAYDt 97.5 TX Beaumont, k, K-D ID
1829 KCTM 103.1 TX Rio Grande City,

10 CW

1615 KPGE 105.3 NE Lincoln, testing w/ satellite feed, \$

11 Tr

0839 KZXL 107.9 KS Great Bend, New Z-108
1037 KRKS 102.9 KS Hutchinson Cntry 102.9
1150 KSKU 106.1 KS Lyons

12 MS

1432 WCRZ 107.9 MI Flint, WCR's

13 TrS

1545 KDFS 88.1 IA Des Moines, HS stn

14 TrS

1439 KDHX 88.1 MO St Louis

20 Tr (KXKT-103.7 off air)

0025 KUUL 103.7 IA Davenport, Cool FM
0036 KRRO 103.7 SD Sioux Falls, Crow FM

Who would have thought my best e-skip opening since I began FM DX'ing in May-91 would be on January 6? MUF hit 107.9 and stayed there for at least 10 minutes. I had 13 new ones out of it, with many SS unIDs. I hope others caught this great mid-winter opening. Tropo lately has also been very good. The 12/21 opening reported last issue was the best that I've heard. The 1/4 opening was my first into OK, so most of the stations heard were new, except for a couple heard with TrS before. The meteor scatter was very impressive. On the 3rd, the meteors were coming in nearly constantly around 1500. In the time from 1457-1500, I logged 3 new stations in 3 new states, in only 3 minutes! This was the first shower that I used a cassette recorder to help out. Out of the 7 loggings, I would only have had 4 without the tape deck. The FM-10 just arrived today (1/29), and I hope to put it up this weekend. I'll let you know how it works next month. Totals now for 9 months of DX'ing FM is 294 with 23 states, 1 province and 2 Mexican states. 73's

COLUMN NOTES- Part of my "Field Guide to Northern FM DX" did not turn out as clear as I'd hoped so I will explain it further. When you log a station for the first time, underline it: WKXX. States and frequencies can also be underlined if it is a first for them too. If you have heard the station before, but on a different propagation mode (ex: you hear a station on meteor scatter that you previously heard on skip), underline it dashed: KPWR. If you log a station with new call letters, it goes in brackets, such as (WORD). A tentative logging typically has a "t" after it, such as WMJQt. Because the CCI unID aids column has been started up again, by Matt Sittel, I am no longer printing unIDs, unless I can personally identify it, or if it is something very unusual or humorous. A reference that is very handy for DX'ing the FM band is Bruce Elving's FM Atlas. If you do not have one, I highly recommend it. Here are some more abbreviations that are used that were not covered last month:

\$ = stereo signal
nx = news
wx = weather
cx = conditions
legal ID = official stn identification with calls + city of license

FF = French language
SS = Spanish language
EE = English language
jx = jingle
TC = time check
o/ = over, w/ = with

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO N0M 1L0

Equipment: Magnum Dynalab FT-101A, Probe 9 at 27' with rotor, RG-11 leadin, Magnum Dynalab amp

NOVEMBER 1991 DX

25 TrS

1402 WLZZ 104.5 OH Montpelier, k\$, Wheels Country, mixing with WSNX 218

26 MS

0143 KKYK 103.7 AR Little Rock, "KKY." 848

DECEMBER 1991 DX

2 ES MUF 102.3

1600 WMBV 91.9 AL Dixons Mills, g\$, ID 862

1607 WZEW 92.1 AL Fairhope, rp\$, 92 Zoo 966

1615 WMEZ 94.1 FL Pensacola, rm\$ 961

1616 WAVH 96.1 AL Mobile, ro\$, The Gulf Coast Wave 956

1617 WABB 97.5 AL Mobile, r\$, ID 956

1623 WQID 93.7 MS Biloxi, ads\$, 94QID 978

1634 KAJA 97.3 TX San Antonio, k\$, KJ 1353

1640 KNEM 92.3 TX Midland, k\$, ID 1377

1647 WAKW 93.3 OH Cincinnati, g\$, Majesty 93, Es induced backscatter? 347

1641 KLAJ 97.5 OK Durant, ads\$ 1050

1654 KLRX 97.9 TX Dallas, ads\$ 1130

1700 KVET 98.1 TX Austin, k\$, K-Vet 1279

1702 KLTD 98.9 TX Lampasas, ro\$ 1271

1707 KPZZ 102.3 TX Austin, ads\$ 1279

1806 KTOX 92.1 TX Devine, k\$, Big Tex

Does it use this no ID?

1814 KLUL 92.1 LA Moreauville, ro\$, ID 1042

1816 unID 93.5 LA unID with LA news with audio from unID TV station. Only 2 possible

1821 KBRI 94.1 TX Floresville, k\$, K-Rio

Last heard as KWCB on 94.3 1370

1829 KJEF 92.9 LA Jennings, k\$, ID

mentioned 50,000 watts 1119

2 TrS

1900 WCSR 92.1 MI Hilledale, ID, local nx heard while listening to Es fadeouts 202

3 TrS

0332 CBCPt 93.5 ON Peterborough, believe this station with open carrier all night after local CBBL signs off.

3 MS

0403 CKSB7 93.5 ON Kenora, bursts of CBC French net, MONO, likely this, // CJBC-4.

4 MS

0312 WOKQ 97.5 NH Dover, "Here's Clint Black on WOKQ..." k\$, STATE 38 540

0403 unID 99.1 "Here are the Rhode Is. Lottery Results..." (WPLM likely-gc)

5 MS

0123 KMAG 99.1 AR Fort Smith, "KMAG 99.1 thanking you for..." 887

0715 KJQJ 97.3 KS Garden City, Q97FM1082

DECEMBER 6 MS

0453 WOJK 99.1 FL Jacksonville, calls previously by e-skip 919

0735 KRDNt 94.1 SD Aberdeen, on Hwy 12

0754 KRNA 93.9 IA Iowa City, "in downtown Iowa City" 517

8 MS/TrS

0303 KLLZ 99.1 MN Walker, "on the all new KLZ". Last heard as KLLR 99.3, MS 687

0402 WMYX 99.1 WI Milwaukee, r\$, ID 324

0500 [WKLZ] 98.9 MI Petoskey, r\$, Double Rock KLT is // WKLT 97.5, ex: WJML 209

1951 WPHW 91.9 WV Wheeling, Christmas mx MONO, Sounded like a Tourist Info Station, giving directions to the Festival of Lights display between songs, 100 watts. Interference from unid ES stations (ES on ch 2 and 3) at time. 243

9 TrS

1521 [WTCF] 100.5 MI Carrollton, r\$, The Tri City Fox, strict with legal ID at 1551. ID with Saginaw, Bay City, Carrollton, Ex WKPK 120

10 TrS

0318 WJSat 93.5 PA Jersey Shore, perhaps the one with g, MONO, antenna that way.

13 MS

0118 WYOD 99.1 NC Manteo, "...on 99 WYOD."

0354 WMEE 97.3 IN Fort Wayne, calls. Dual mode reception. Was in on weak TrS barely audible, but pinned needle on bursts. 256

0539 KMDL 97.3 LA Kaplan, call, prev Es 1116

0553 WRTOt 98.3 FL Goulds, bits of Latin mx, Spanish talk 1230

0635 WYKT 98.3 SC Kingstree, "of Kingstree is proud to be a part of industry in Williamsburg County..." 687

0653 WAGH 98.3 AL Ft. Mitchell, "...GH, Magic 98..." 799

0700 CBAL 98.3 NB Moncton, presumed station with French talk 831

0729 CIBQ 99.7 PQ St. Georges de Beauce FF talk into FF C&W mx, 45 seconds! 576

0758 WND5 98.3 KY Bowling Green, "Hot FM 98.3, Bowling Green, it's almost 7 o'clock" 527

14 MS

0655 WMC 99.7 TN Memphis, "At the ??? Mall of Memphis on..." 732

0800 KFMZ 98.3 MO Columbia, "...98.3 FM, KFMZ Columbia-Jefferson City" 654

20 TrS

0522 WGRT 102.3 MI Port Huron, ro\$, new stn 75

(Jeff, this is the last page I have from you, but it says "continued". Did a page get lost somewhere on this side or over there?-gc). **STATION NEWS:** In San Diego, 94.9 is now KBZS, with a slogan of "K-Best 95" and an oldies format. In Utah, 107.9 is now KZQQ and SMN Z-Rock heavy metal format. Back east, WKGG 102.7 Cape Vincent, NY is on the air. They are simulcasting WTOJ 103.1 Carthage-Watertown. WKGG IDs with Kingston. They are both known as "Lite Rock 103" and obviously an adult contemporary format. They also runs Syracuse University Basketball games. Down in Florida, WAXY 105.9 is to go to an oldies format, while WHQT 105.1 is reportedly going more towards a mainstream top 40 format. Other expected changes: WPVR 94.9 Roenoke to soft ac on February 1, and WAVA 105.1 Arlington-Washington may go religious in February, with 100.3 DC to possibly change formats.

BILL NOLLMAN - 35 NYE ROAD - GLASTONBURY, CONNECTICUT 06033

(203) 633-2490, Carver TX11A with individually switched IF filters 250 or 280/110 khz (5 filters switched in any order). Sony analog tuner 3-180 khz others stock. Channel Master Stereo Probe 9 in attic

AUGUST 19, 1991 TrS

LOCAL 104.9 off during Hurricane Bobi
1550 WLKZ 104.9 NH Wolfeboro 150
1800 WRDR 104.9 NJ Egg Harbor 170
SEPTEMBER 14, 1991 TrS
1213 WQKZ 98.5 NY Catskill, Z-98.5 75
1323 CHEQ 101.1 ON Smiths Falls
Q-Country 101 300

OCTOBER 24, 1991 Super Tropo

1850 WYOU 97.1 ME Bangor
1900 WQSS 102.5 ME Camden, Coast 102.5 240
1902 WQCB 106.5 ME Brewer, Q106.5 280
1910 WKIT 100.3 ME Brewer, K100 280
1925 WHMX 105.7 ME Lincoln, Hot Mix 106 324

NOVEMBER 7, 1991 GW

0500 WMNR 88.1 CT Monroe, sign on with local WESU off the air 40

NOVEMBER 10, 1991 MS

1527 WHTK 99.7 SC Port Royal, calls 780

NOVEMBER 14, 1991 Tr

1930 WKSJ 102.7 NH Peteraburg-easy to ID 190

DECEMBER 1991 DX

2 Fe

1618 KARQ 92.1 AR Ashdown 1300
1647 KEOM 88.3 TX Mesquite 1425
1650 KCBI 90.9 TX Dallas 1450
1652 KERA 90.1 TX Dallas 1450
1657 KODZ 94.9 TX Arlington 1450
1700 KPLX 99.5 TX Fort Worth 1475
Wow-never had so many IDs in the ed band in so short a time-much less from Texas!!

(Bill also mentions that WBMW 106.5 in Ledyard, CT is on the air as of 1/92, with poor audio, and an OK signal. Satellite format came as WVIP 106.3 Mount Kiaco, and slogan of Mix 106.5 WBMW. He also mentions that WILI-98.3-CT is now running satellite "City FM". Thanks Bill-gc)

ED NOTE: Doug Smith writes to let us know that his October 23, 1991 DX, reported in this column recently, was done from a Newburgh, NY motel room. Thanks Doug!

RICHARD K. SHAFTAN - 39 OLD MIDDLETOWN RD. - ROCKAWAY, NJ 07866

(201) 586-3563, Beeper for DX: (201) 955-4256. Equipment: Realistic STA-2280 with 3 110 khz filters, Channel Master 20 etc. TV phased with two Radio Shack FM outdoor Antennas stacked. (In car: Kenwood KRC-430 with 2 110 khz filters). Revised as of Jan.25, antennas stacked 7 feet apart 30'AGL thru 3 variable attenuators, a phase tilter and a RS "Variable Interference Eliminator". Both antennas are run thru mast amps

NOVEMBER 1991 DX

14 TrS-MS

1622 WKLI 100.9 NY Albany, ID in car in Randph
2245 CIRC 99.7 PQ Ste. Georges de Beause, FF
2309 WPIG 95.7 NY Olean, United Way of Olean"
2355 WRCK 107.3 NY Utica, Power Hits Rock 107
18 TrS
2310 WWMDD104.7 MD Hagerstown, Muzak on top
on WFSI 107.9 MD Annapolis, phasing o-WEBE
WIOV 105.1 PA Ephrata, phasing o-WNSR
WIMX 99.3 PA Harrisburg, ID, rare

19 TrS

0123 WCHI 96.7 MD Easton, ID

20 TrS & GW

1230 WMJQ 102.5 NY Buffalo, in car in Rockaway
1353 WDNH 95.3 PA Honesdals, in car in Chatham
This station seems to get out better than it used to
1503 WRCH 100.5 CT New Britain, in car Mile 86

DEC. 12 Tr: Philly and NYC at near local quality!

2239 WIBF 103.9 PA Jenkintown, Spanish
Mono, easy ID! 175
2240 WKSZ 100.3 PA Media, Kiss, 100 have
not heard since living 40mi from WRCH 190
2249 WEAZ 101.1 PA Philadelphia, o/WCBS185
2318 WIOQ 102.1 PA Philadelphia, full quieting
over semi-local Spr. Mass WAQY ONLY by
phasing out WAQY with rabbit ears!
2330 W? 91.7 phased out semi local Storrs,
CT. Which Philly at this time?
2340 WLEV 96.1 PA Easton, on rab. ears only
2342 WQSR 105.7 MD Catonsville 270
25 TrS
1910 WLAN 96.9 PA Lancaster 210
28 GW
1900 WDAQ 98.3 CT Danbury, bout time! 50

JANUARY 1992 DX

1 GW

1600 WRSI 95.3 MA Greenfield 55
1605 WHAI 98.3 MA Greenfield 55

3 MS

0711 WHTK 99.7 SC Port Royal, 10 sec.
Are they always IDing (seems that way!-gc)
1730 WSHH 99.7 PA Pittsburgh, 2 sec. 375
11 TrS LOCAL WRKI off the air!
1015 WZZO 95.1 PA Bethlehem, called to
verify! 150



RICH SHAFTAN'S REPORT CONTINUED

DECEMBER 1991 DX

12 Tr
1802 WTHH 96.1 NJ Margate City, Best of the 60s
70s, and 80s, WTHH, The Touch
1830 WDNQ 95.3 DE Laurel, ID
1832 WOCO 103.9 MD Ocean City, ID, disco
1849 WKSJ 102.7 NJ Petersburg, Sports talk phased
thru WNEW-FM. Listened in Atlantic City
1900 WDIH 90.3 MD Salisbury, Gospel, ID
13 Tr
0000-0030 Prop to Boston, Rhode Island coast
14 MS
1001 WWSJ 99.7 WI Black River Falls, ID
2039 KRVR 106.5 IA Davenport, "Continuous
soft hits, 106.5 KRVR"
2308 CIRC 99.7 PQ Ste. Georges de Beause, FF
on MS, again with French country music
20 TrS (on trip to Florida)
1550 92.9/98.5 WMGJ/WKRZ in Dover, DE
1751 WINC 92.5 VA Winchester, in Salisbury, MD
(other loggings appear in Southern FM DX)

JANUARY 1992 DX

4 MS
0050 WMC 99.7 TN Memphis, FM 100
5th and 6th Es to Nova Scotia, not into FM
19 TrS
1926 WBMW 106.5 CT Ledyard, "New Mix 106.5"
20 TrS
1957 WEZG 100.9 NY N. Syracuse, Lite 101 FM
2010 WRNX 100.9 MA Amherst, ad for blues mx
2321 WKLL 94.9 NY Frankfort, "Classic Rock 94.9
WKLL", Mt. Washington also in/out
23 TrS
1140 CFMX 103.1 ON Cobourg, promo for store in
Belleville and ment. Toronto Symphony Orchestra
25 TrS
1945 WZKZ 106.1 NY Corning, "Today's Best
Music Mix, KZ106", WBLI/WEGX phased
FEBRUARY 1992 DX
2 TrS
2053 WPCX 106.9 NY Auburn, "Country 106.9"
News Leader in Cent. NY, WKDN phased
3 TrS
0112 WHYT 96.3 MI Detroit, "Magic 96.3 FM" (?)
High will be 44 in the Motor City at 96.3 FM". In for
a few minutes. Others coming in include a lame and
CFMK, which is now IDing as part of the Star Country
Network. A warm front was about to pass through the
Detroit area. Check of the Weather Channel had 44 as
projected high for the day. Michigan is the first state
I have received on E-skip and trop. Lots of MS all nice



Sorry I have been out of touch but between August and November my business (political media and consulting) keeps me going 24 hours a day. Shortly after the elections, Bill N. modified my JVC receiver, Kenwood and GE Superadio II with 110 filters. The results are far better than even the 150s. Now I can listen to WQSR Catonsville MD or WMRV Endicott NY (both 105.7) in my car in my front yard, just 2 miles from WDHA Dover NJ 105.5. In January, threw 110s in the XYL's Realistic and it outperforms the JVC. Before the 110s, this receiver was useless because the 200 khz steps made adjacents impossible to receive. The 110s make it possible to DX on this kind of setup. In fact, I don't even use the optional 50 khz spacing on the Kenwood because there is no signal left 50 khz away.....Bill N. sold me a phase "tiler" he built for the cost of parts and it makes phasing much easier. Frankly, it seems to work almost as well, although not as simply, as the phase "shifter" sold by Andy Bolin that Bill has, when I couple it in a circuit with a variable attenuator on each of the feed lines. The FM antenna is then run through the phase tiler and meets up with the main feed line in a low loss coupler, that line runs into one of those Radio Shack 0-10-20 amps (set on no gain, since there are too many images when the amp is turned on). On the 300 ohm side in the "Variable Interference Eliminator" that is tuned for the best null. (Sounds interesting, I should try this-gc) I can knock down the NYC stations enough to get some decent trop thru them, and can eliminate Philly stations and those further. In addition I can put a signal "in phase" and boost it by about a db or two. That is how Detroit came in. My antenna installer told me that there used to be a company that sold phasers for the purpose of eliminating Channel 3 interference in Channel 2 and the like, but they went out of business because of low demand. Maybe someone can find one of these things. Do you have a fax number for reports? (No, sorry-gc)

STATION NEWS: As a result of WRQN 93.5's switch from top 40 to oldies, WYKS 92.5 Toledo is going farther in the top 40 direction to compensate. Macon, Georgia has another top 40 station: WNEJ, "107X". In Texas, 101.7 Huntsville is now KSAM, and "Thunder Country", country music obviously. WKZL 107.5 Winston-Salem, North Carolina retains those calls but it's more in an adult 40 direction and a new slogan, "The Eagle". In suburban Minneapolis, KXKL 105.5 takes on the old 99.5 calls: WLOL. Also in the Twin Cities, 93.7 has become KRXX "93X" and a harder album rock format. KJZY 99.1 Denton-Dallas switches to "Z-Rock" satellite format....In the Memphis area 94.3 Germantown has switched to WFGI, "Oldies 94". Out in Portland, Oregon, KMXI 106.7 has gone to an oldies format and an appropriate slogan: "Oldies 106.7". WGRF 102.3 Port Huron, Michigan is on the air with SMN adult contemporary. KATG 94.7 Luling, TX stays country, but is now local and reportedly more upbeat. 105.3 in Dallas is upbeat country music now, calls are due to change soon. There has been a request for frequencies swap in Kitchener, Ontario, that would send CHYM-AM to 96.7 and CKGL-FM to 570. No approval as of yet. New station on the air: WISP 98.7 serves the Sarasota area, with soft a/c "Wisp 98.7". Same area: WEEJ 100.1 is now adult alternative jazz format. Nashville gets a beautiful music station is WQZQ, "Cozy 102" and is also considering a translator. WCQA 96.5 Fredonia, NY is reported to be going satellite country in March sometime. At least temporarily, WDJX 99.7 & WZKS 103.9 are simulcasting because of a LMA.

RICH'S DX CONTINUES ON THE NEXT PAGE!!!

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

Equipment: JVC IRS 201 Receiver (mod w/3 150 filters) Magnum Dynalab 205 stueth, Probe 9 fed with RG6 at 50 feet above ground level. Crown rotor. Distances are in kilometers

DECEMBER 1991 DX

22 Trs
2200 WPCB 94.3 OH Chillicothe, r, FCB-94 Chillicothe, Amos Bros. music, former ms 483

JANUARY 1992 DX

4 MS-Trs
0603 WXYV 102.7 MD Baltimore, s, V-103 after ad from K-Mart, Vanessa Williams 529

0801 WESA 98.3 PA Charleroi, r, Class FM This is 98.3 WESA, news followed 344

0829 WSNY 94.7 OH Columbus, ro, Sunny 95 time check, music by Bob Seger 433
0843 WKBI 94.3 PA St.Marys, r, The Rocket "Welcome aboard the Rocket." 258

7 MS
0805 CITE 107.5 PQ Quebec, b, calls in FF 819

8 Tr
0750 WWWM 105.5 OH Sylvania, r, 3WM "your oldies are great and more", time check 313

9 Trs
0752 WKYS 93.9 DC Washington, rs, "93.9 WKYS Kiss", Top 30 USA follows 552

1018 WACZ 93.9 NY Dansville, r, wx, then "Lite 94", a possible new non ID 195



The DX blabs have returned for another season, all kinds of relogs and mostly static, spring tropes and Bluejays baseball seem so far away. Let's hope for some freaky weather conditions to heat up the band. 73, dB

SAUL CHERNOS - P.O. BOX 801 - PETERBOROUGH, ONTARIO K9J 7A2 (705) 741-4557

From Peterborough, my new home base:

NOVEMBER 10, 1991 GW

1310 Pirate 99.1 ON Peterborough

DECEMBER 28, 1991 Tr

1800 CITE1 102.7 PQ Sherbrooke, French

1830 WRKT 100.9 PA North East



Comments: I'm working in Peterborough and have therefore moved. Please note my new address and telephone number. I'm a bit close to Burnt River, but in the opposite direction. It's a lot less snowy here: i.e. we got 20cm of snow in the second week of January, while Orillia recorded 100cm. It collapsed the library roof there and made it pretty well impossible to see the street from the sidewalk. I never encountered anything like that when I was there, but man am I glad to be out. I discovered the pirate when I came here to find a place to live. I have one car radio button affixed to 99.1 because of CKO's absence and just happened to flip it on as I entered town for the first time, hearing two versions of Tower of Song by Leonard Cohen; one by the poet himself. An omen of things to come? It's on a lot, but it's all music - a real variety - and talk is rare and IDs non-existent. I hear it's run by someone who was given the boot from CFFF 96.3, a.k.a. Trent Radio. It runs from a downtown Peterborough building, and I estimate it's 10 to 50 watts, depending on the quality of the set-up. No stereo. I get 'em near perfect. I'm trying to determine if one of them had anything to do with Pirate 90, which ran at 89.9 from Toronto Island a few years back. If it's on this summer, could be a neat Es target. The January 6 Es was a surprise. I was driving from Toronto and heard French on 88.5 when I turned the radio on just outside of here. Got a NF time check (1 1/2 hours ahead) on 94.7. Wish I'd turned on the car radio in Toronto earlier on. I guess I assumed conditions would be dead Jan.6 at 10p.m. WXTA was really wanted for my Burnt River log; caught it while driving near there.

JANUARY 12 Trs

0843 CFMO 93.9 ON Ottawa, m, FM 94 after ad calls sung out "CFMO FM 94", Elvis mx 447

1000 WRDL 88.9 OH Ashland, pr, 89 Rock after Easter Seals PSA, "From the heart of it all, in the Midwest, your dial position is 88.9 FM" 304

1001 WEKU 88.9 KY Richmond, cj, "a service of your friends here at WEKU & WEKH" 679

15 Tr
0800 WEKH 90.9 KY Hazard, cj, // 88.9 WEKU legal ID for both, NPR w/Bob Edwards 704

16 Trs
0756 WTUE 104.7 OH Dayton, pr, W-2 FM 515

0903 (WORD) 104.7 PA Pittsburgh, g\$, ex WEZE WYDD & WPGH, calls, new format 309

1031 WWMD 104.7 MD Hagerstown, b after instrumental mx, weather forecast 446

17 Trs
0756 WHPA 104.9 PA Hollidaysburg, mr, FM 104.9, Accu Weather 345

18 Trs
0743 WZLE 104.9 OH Lorain, g, Victory 105 253

0800 WDON 104.9 OH Geneva, ro, "Heard It Through the Grapevine", new format 161

21 Trs
1000 CFBG 100.9 ON Bracebridge, rm, Muskoka FM 101, "Servng Muskoka, Bala, Gravenhurst & Bracebridge", news follows 230

2235 CBAF 88.5 NB Moncton, FF, CBC jazz

2245 CKIX 99.1 NF St.John's, k

2251 CHOZ 94.7 NF St.John's, Oz FM, r

2258 CBAF 88.5 NB Moncton, FF sports

From Burnt River, 50 minutes to the northwest

NOVEMBER 10, 1991 Tr
1227 WXTA 97.9 PA Edinboro, k

From Orillia, So long, it's been good to know ya:

OCTOBER 19, 1991
2236 CJMJ 100.3 ON Ottawa, rm, "Magic"

DAN OETTING - 22 CARRIAGE LANE - EXTON, PENNSYLVANIA 19341

Equipment: Harmin Kardon Citation 23, Yamaha T70, Archer 20db booster, bunny ears

AUGUST 1991 DX

1 Tr
0100 WFRS 88.9 NY Smithtown, ID, g

3 Tr
0800 WCVF 88.9 VA Richmond, ID, wx

OCTOBER 1991 DX
6 GW from Long Pond, PA

1200 WEMR 107.7 PA Tunkhannock, rp

21 Trs
1203 WMCX 88.9 NJ West Long Branch, nx

24 Trs
0740 WRTY 91.1 PA Jackson Township jazz parallel to WRTI 90.1

0758 WAAF 107.3 MA Worcester

0800(WQMR) 107.1 MD Fredericksburg new calls, Power 107

NOVEMBER 1991 DX
8 Au
1340-1400+ Strong Aurora hash all over the FM band. A Index 99.

14th-22nd: WYCL 107.5 off for good. WBLs and WKRE and lots of unID meteor scatter.

22 GW
[WBYN] 107.5 PA Boyertown, new call letters, g

JANUARY 1992 DX

11 GW
1715 WBVO 88.9 PA Sellersville, ro // WRDV 89.3. Talked to DJ of WRDV and he said they will be simulcast (WRDV being the parent station) until WBVO has some of their own programming coming soon. He says power is 100 watts. Sign in mono. Quite strong for the distance.

13 GW from Slaughter Beach, Delaware

1300 WADNO 95.3 DE Laurel, rm, Maverick 95 (Dan, note the calls-gc)

20 GW
2200 WBMF 91.7 PA Telford, g, ID

Just asking

Is anyone at Q-102 (formerly Majic 102, formerly Rock 102, et al.) bothering to listen to calls from the station's listener suggestion hot line? One begged for no more songs from the "Dirty Dancing" soundtrack; "I've Had the Time of My Life" aired 20 minutes later. And here's a question for Mix: 92.9's feedback phone: How come we heard Billy Joel's "Keeping the Faith" five times in six days? "Being 11th in the market, it's kind of the anthem for our radio station," says Program Director Kevin Robinson.

Okay, so when did super lower power repeating tape stations be allowed to broadcast on the FM band? I thought that kind of stuff was restricted to 530,1610, or 1620 khz AM (I thought so too-gc). Starting in late October last year, numerous non-IDing low power signals have been popping up all over the educational band on FM. The first one I noticed was a continuous loop tape (about a minute long) saying "Welcome to Cambridge Chase, welcome to your new home!" The announcer proceeded to describe the homes and mention the builder and realtor. It repeats itself over and over, 24 hours a day and has a signal that gets out about 2 miles! This station popped upon 88.9 and originates here in Exton. A few weeks later I was on the same frequency describing another new building complex of homes. Once again the signal travelled about 2 miles. The same announcer has been heard on 2 new recently received low power transmitters-One for Pizzeria Uno in King of Prussia, PA on 91.9-"Radio Uno"-(describing delicacies at the restaurant and saying mention the radio station for a discount) The other, another new home complex "Whitford Station" on 88.1 in Exton. A different announcer has popped out on 88.9 with his own repeating ales pitch tape on "Winner Ford Radio" battling with the other Exton low power station, and now the newly liscenced WBVO-88.9. Has anybody else been encountering these low power advertising pests? Anyway, very little DX to report since August, not even winter Es! Waiting for some marvelous spring tropol Byel

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

Equipment: see previous VUDs, no change

JANUARY 1991 DX

17 Trs
2320 WKMZ 97.5 WV Parkersburg, calls, ad 296

29 Tr
1936 WHOK 95.5 OH Lancaster, k\$, strong 304

1939 WHKO 99.1 OH Dayton, k\$, strong 365

FEBRUARY 1992 DX

1 Au
1800 WFGM 97.9 WV Fairmont, calls 254

FEBRUARY 1992 DX

3 Tr
2000 CITE1 102.7 PQ Sherbrooke, FF ad 375

2013 WCAN 93.3 NY Canajoharie, c\$

with WWSE Jamestown phased 207

2100 WKGG 102.7 NY Cape Vincent, new on

the air, "Lite Rock 103", ID with Kingston, they are // WTOJ 103.1, Syracuse U. BKB game 142

Not much DX going on. I am not 100% sure on the date of the WFGM logging, it was sometime early in the month I know. See you in a month!

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

MARCH 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, VA & WV.

EL NINO WEATHER EFFECT HAVING LITTLE INFLUENCE ON THE TROP.

Eric Sundius, P. O. Box 513, San Miguel, CA 93451

Equip.: Marantz SR 440 receiver, Pioneer TX 9500 tuner(both IF modified), 6 element Jerrold FM antenna, preamp, RG6 coax.

1/4 Es		1/4 Es	
1020 KITS	94.7 MO Springfield, calls, k	1109 KDCK	95.5 KS Dodge City, "K-95, lcl ads
1042 KTHK	94.1 OK Okmulgee, "The Hawk"	1113 unTD	93.5 ? "Y-93", k
1052 KWEN	95.5 OK Tulsa, Tulsa wx, ref.		

I called Jim Pizzi in nearby Paso Robles and he was able to hear the Missouri station on his DX 440 portable with the built-in whip! John Jefferson also got in on the opening from his house 200 miles north of me. 73's.

Doug Smith, 14 Brookside Court, Nashville, TN 37209-4503

Equip.: Technics ST-650, 3-el. quad at 4 feet.

Nashville, TN DX:

1/6 tr

2127 WMBW	88.9 TN Chattanooga, end of REL program & legal ID.	115
2131 WYVB	93.7 TN Dickson, new local testing. Rather weak..	29
2143 WIKQ	94.9 TN Greenville, oldies & call ID.	225
2144 WFOX	97.1 GA Gainesville, oldies & "Fox 97"	213
2200 KJBR	101.9 AR Jonesboro, "This is KJBR-FM, Power 102"	215
2321 WDJC	93.7 AL Birmingham, call IDs & promo	181
2326 WKHX	101.5 GA Marietta, "Kicks 101.5"	200

1/29 tr

2330 KCLR	94.5 MO Poplar Bluff, "...on K-94 KCLR"	205
2334 KGMQ	100.7 MO Cape Girardeau, Cape Girardeau weather	172
2342 WCIL	101.5 IL Carbondale, "RockinRadio CIL-FM"	173

1/30 tr

0005 WBLG	107.1 KY Smiths Grove, local ads & "The 50,000 watt Gator G-107". New power increase is on.	69
0654 WAPI	94.5 AL Birmingham, ad for business on I-459	183
0702 WKKG	101.5 TN Seymour, local ad & call ID	199

Local "Q-102" (WYQC-102.9, WQZQ-102.5, and WCTZ-1550) appear to have added a second translator, apparently in downtown Nashville, and on either 102.3 or 102.1MHz. Haven't been able to hear it yet on a digital radio.

John Jefferson, 4104 Spyglass Court, Antioch, CA 94509-6051

It's been a while since I've written; thought I'd reported through the end of the skip, but not so. It wasn't a great season & I missed what must have been one of the major events on 6/10 due to a business trip. As always, new are underlined; dashed underline means new mode; @ indicates new to Antioch. # means heard on Blaupunkt going to or from work (in Antioch).

TIME	CALLS	FREQ	ST	CITY	DIST	REMARKS
6/19/91	ES					
2029	CKUA13	91.3	AB	Drumheller	1055	// 94.9 w/ c
	CKUA	94.9	"	Edmonton	1155	// 91.3; phone verie
2033	CKYX	97.9	AB	Ft. McMurray	1380	Lcl:kicks 98
2052	KHHT@	97.1	ND	Minot	1240	Lcl:K-Hit 97
2056	CBU	105.7	BC	Vancouver	805	c: phone verie
2059	CHFA2@	103.5	AB	Red Deer	1080	CHFA ID
	CHFA6	101.5	"	Ft. McMurray	"	// 103.5
2105	CBXN	99.3	"	"	"	c: phone verie
6/30/91	ES					
1443	KROB	93.3	NM	Albuquerque	875	KOB
1500	KATX	97.3	TX	Plainview	1150	Calls
1516	KCLV	99.1	NM	Clovis	1060	"
1600	KENW	89.5	"	Portales	1050	Local

CONF...

SOUTHERN FM DX

7/1/91	ES									
0928	K2NA	90.5	KS	Hill City						
1154	KELI	98.7	TX	San Angelo						
1158	KACU	89.7	"	Abilene						
7/26/91	TR									
1000	KMAK	100.3	CA	Orange Cove						
7/15/91	TR									
0201	K205BT	88.9	CA	Laytonville						
7/19/91	SL									
2059	KFNG	90.3	CA	Fresno						
7/26/91	ES									
0847	KFMX	94.5	TX	Lubbock						
0850	KLYT	88.3	NM	Albuquerque						
0901	KMML	98.7	TX	Amarillo						
0910	K202BG	88.3	CO	Pegosa Sprin						
0930	KANZ	91.1	KS	Garden City						
0948	KWBI	91.1	CO	Morrison						
1008	K2MU	88.5	"	Boulder						
1005	K NE	88.7	NE	Lexington						
1014	KVNP	103.5	"	North Platte						
1017	KELN@	97.1	"	"						
1021	K2NE	91.1	"	Alliance						
1025	K2NE	90.3	NE	Bassett						
1045	K2SD	91.1	SD	Reliance						
1073	K2HEW	89.3	"	Rapid City						
7/28/91	ES									
0700	K2EC	94.3	CO	Lamar						
0706	K2ANZ	91.1	KS	Garden City						
0748	K2NM	94.7	NM	Truth or Con.						
0824	K2MA	94.7	TX	El Paso						
0943	K2HIH	"	CO	Boulder						
1100	K2SD	88.3	SD	Brookings						
8/2/91	ES									
2009	XHMT?	99.5	SI	Mazatlan						
10/20/91	TR									
2002	KXIQ	94.1	OR	Bend						425 ID; KPFA off
11/8/91	AU									ID
1700	KOPE	103.5	OR	Medford						
11/29/91	ES									
1559	KOSU	91.7	OK	Stillwater						1365 ID
1607	KTEX	103.3	OK	Tulsa						1420 Lcl:K-Fox 103 KBEE off c o/2 locals
1613	KOMA?	91.3	OK	Broken Arrow						1355 Calls The Storm
1623	K2BC	94.7	"	OKC						
1639	K2MJ?	99.5	"	Henryetta						
1/4/92	ES									
1051	KYNZ	106.7	OK	Lone Grove						1410 Calls
1108	KMML	98.7	TX	Amarillo						"
1117	KLUV	98.7	TX	Dallas						1425 K-Love

First-ever auroral scatter here 11/8 produced one ID & garbage on 97.9 & 98.7. The KOPE signal was plainly not tropo, as the direction was NE to ENE (not N) & there was a lot of distortion. Signal level was about 1 1/2 on a scale of 12, versus less than 1/2 for the tropo logging 8/20. Confirmed with Doug Allen in CO that AU was happening.

It was especially painful to have XHMSL get away. KSTT Los Ortes CA remains my most distant logging on 101.3 at 180 miles! Only other frequency in such a pitiful state is 104.5, with center KIQO Atascadero as the most distant, and there KHIT Reno is at least out-of-state, though a mere 135 miles away.

Greatly appreciated were KXIQ during the big Oakland firestorm and KTEX during high winds which knocked out strong KBEE. KTHX was barely there, so the outage was mandatory. KYNZ a big surprise so high on the band, with easily-readable signal for 2-3 minutes.

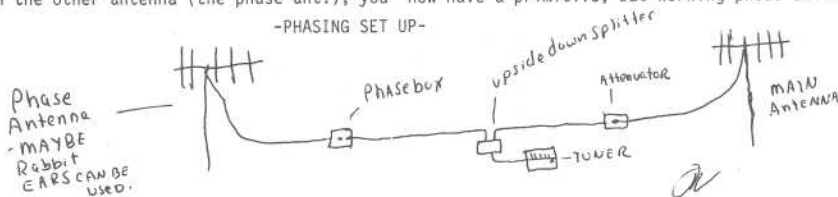
-Bill Nienajadly

Well by now, your interest in phasing has been peaking. You want to know more about phasing, what it can do and possibly build your own phase-box.

Phasing has been around for a long time in the CATV industry, lately it has just been starting to come in use by WTFDA members. With phasing, you can make your semi-local stations literally 'go away' revealing DX (if the conditions are up) on the same co-channel as your 'unnullable' pests. Be realistic in what you expect. You might not get nulls on locals.

You need two antennas, preferably the same type, the same length of coax from each line and if you are running amplifiers, they too must be the same. There are exceptions though. The phase antenna and the main antenna should be separated at least 10-12 ft. But if you can put the two farther apart, the better your results will be. Connect the two antennas to a splitter (use the splitter upside down) and connect the single out-put to your tuner or TV. Better results can be achieved if you also add a in line attenuator on the main antenna line it would work a bit better (use the variable TV-VCR 75 ohm type by RS). You want both antennas to 'see' the same signal strength. If you add a variable capacitor on the other antenna (the phase ant.), you now have a primitive, but working phase unit!

-PHASING SET UP-



Please excuse the art work above, but this shows what one must do for phasing. Note how everything is set up. Rabbit ears can work too only as a phasing antennas for closer in semis.

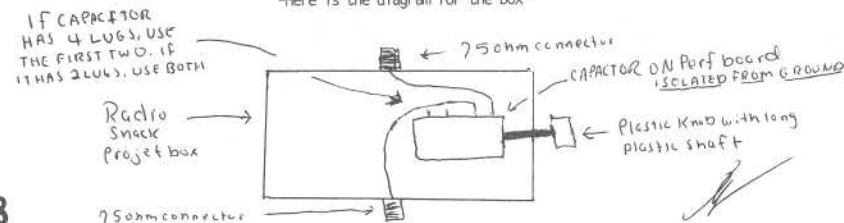
You can build a phase box of your own, I must say though. Andy Bolin of Charleston IL (as most of you know) is selling a superior phase box, it has two controls where as my home brew unit only has one. So naturally Andy's box works far better. But before I ordered his phase-box, in the process I built my own primitive 'home brew unit'. There were some results achieved with it (see my report in Feb NFM for details). I have since sold my 'home brew unit' to Rich Shaftan of NJ. He lives about 40 miles from NYC and reports much better results than I did with the home brew unit. We did a comparison between the home brew and the Andy Bolin phase box at Rich's house. The home-brew worked almost as good as the one sold by Andy Bolin! Now for the sake of simplicity, all this home-brew box is really nothing more than a capacitor in series with one incoming line. That's it dudes! You could try any variation on this, try 2 capacitors, maybe a toroid too.

Before I give the plans, keep this in mind. The Capacitor should be a LARGE AIR VARIABLE CAPACITOR. It (the capacitor) should be ISOLATED FROM GROUND. DO NOT CONNECT THE BODY TO THE PHASE BOX. Your best bet is to mount the capacitor on a 'perf' board and since you can't use screws to hold most capacitors to a small perf board, epoxy it instead. Use plastic or wooden spacers to lift the perf/capacitor board a bit, away from the bottom. Don't lift the board to high or you can't close the box or the capacitor will be touching the top of the project box (which you don't want to do).

-HOME BREW PROJECT BOX-

Use Radio Shack project box #270-238. The connectors are 75 ohm female with a solder lug on the other side. Shack sells these in a package of two. First mount the cap- on the perf board per above instructions. Drill holes on each side of the board to mount the 75 ohm connectors. Wire/solder one wire from one side of lug/connector to one tab on the capacitor repeat the same on the other side of lug/connector to the other tab on the capacitor and that's it! You'll have to drill another hole for the shaft of the capacitor, but you'll have to do this after the box is assembled when you are about to put the top on. Use caution when closing the top over the rest of the box that you don't ground the front of the capacitor. Be sure to use a plastic knob with a long shaft this is important, because as you are turning the capacitor the closer your hand is to the box the more difficulty you'll have phasing with the capacitive effects.

-Here is the diagram for the box-



The Association to Promote 49 MHZ

"...the NATIONAL ORGANIZATION of 49 MHZ ENTHUSIASTS AND OPERATORS..."

THE ASSOCIATION TO PROMOTE 49 MHZ
P.O. BOX 626
EDGEWATER BRANCH
LAKEWOOD, OH 44107-0926

MEMBERSHIP APPLICATION AND STATION REGISTRATION

The Association to Promote 49 MHZ has been formed to generate and continue interest in the no-license required 49 MHZ band covered by Part 15 of the FCC's Rules and Regulations. This is one of the few sections of the radio spectrum where one can operate without a FCC license, providing one follows rules regarding transmitter power, antenna, et al. Transmissions possible in this range include portable phones, experimental broadcasting, intercoms and experimental two-way communications. Nearby frequency ranges include public safety and commercial utility communications, FM broadcasting from foreign countries and the six-meter amateur radio band.

If you are interested in the 49 MHZ band, then you should join The Association to Promote 49 MHZ; formed in February 1991, its goals include:

- (1) issuing unique W49 and K49 identifiers, resembling callsigns, to 49 MHZ operators. One of the membership benefits is an attractive registration certificate that is suitable for framing;
- (2) publishing a newsletter on all aspects of 49 MHZ band operation, listening and equipment. Nearby frequency ranges will be included in coverage where space permits;
- (3) publishing a directory of active 49 MHZ enthusiasts;
- (4) promoting operation and experimentation in the 49 MHZ band;
- (5) combining efforts with a hobby electronics manufacturer to bring onto the market a quality 49 MHZ transceiver.

If any or all of this interests you, then you should join The Association to Promote 49 MHZ. Membership includes a 49 MHZ operator's identifier and certificate, the newsletter for a one-year period, and one copy of the 49 MHZ enthusiasts' directory. All membership dues go towards operation of the Association. Also, all individuals are invited to contribute letters, articles and general information on 49 MHZ band experiences and interests. Articles on nearby frequency ranges, such as low-band utility, foreign FM broadcasting, and six-meter ham-band, are also invited and will be used as space permits.

COMPLETE & RETURN MEMBERSHIP APPLICATION TO: ASSOC. TO PROMOTE 49 MHZ, P.O. BOX 626, EDGEWATER BRANCH, LAKEWOOD, OHIO 44107-0926

ENCLOSE ONE YEAR'S MEMBERSHIP DUES OF \$10 BY CHECK/MONEY ORDER OR CASH

NAME: _____ HAM CALL: _____

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

Describe your 49 MHZ band set-up/equipment: _____

Other radio equipment: _____

On the reverse, please describe your 49 MHZ experiences. Also, we would be very happy to receive any submissions of articles from you for the newsletter. Please send them to the above address. Thank you for joining The Association to Promote 49 MHZ!