



# WTFDA '92 CONFERENCE

MARK SEPTEMBER 11-13 on your calendars for this year's W T F D A CONFERENCE! Conference host Michael Goetsch welcomes you to Pittsburgh, Pennsylvania along with the Pittsburgh Motel.

Jack, owner of the Pittsburgh Motel, 4270 Steubenville Pike, Route 60, invites 1992 Conference attendees. A complimentary hospitality room will be provided with free coffee! Plus, you'll be invited to construct antennas.

Tours of local FM and TV stations will be arranged by Michael. Attendees interested in holding seminars are invited to contact him.

The Pittsburgh Motel, 1992 Conference Site, is conveniently located near the turnpike and airport. They will give pre-paid Conference Registrants before August 16 Preferred Accommodations! Call (412) 922-1619 and mention WTFDA 1992 to reserve your room at as low as \$29.50 per day single occupancy.

A modest Conference Fee of \$12 is being charged to help offset administrative costs. Conference Fee's may be sent in advance to Michael Goetsch, c/o The Pittsburgh Motel, 4270 Steubenville Pike, Route 60, Pittsburgh, PA 15205.



# FM NEWS

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Contributions invited!

Readers' Reports, FM Fasing, Philters.

Frank Merrill has finally posted all his FM DX to the newest "FM Atlas." "And I wasn't satisfied until my 'log counted' total . . . all tied out exactly. What a job! Took two days: one day to mark them in, one day to tie out minor differences of two or three stations." In the process, Frank discovered some FM Atlas errors—three stations missing on the 101.7 frequency (add IA Burlington KBKB-FM \$ 142 50000, KS Emporia KEGS \$ 91 3000; KS Fort Scott KVCY \$ 100 3000). Maps should list WSOY-FM Decatur IL on 102.9 and WKLZ Petoskey MI on 98.9. Both Frank and Roger Winsor heard the new monophonic WTKC \*91.1 Kankakee IL—an educational band "TIS" station with a tape loop of news of the area, but no live weather, time or news. "Quite boring," said Roger. The station should be easy to ID on DX openings, as it gives its call letters frequently.

## WSTW 93.7 FM

John Ebeling: "I also have all the issues of both the Atlas and FMedial Just finished repairing an old '37 Philco AM/SW radio at Marty's TV. Needed new filters and a bunch of paper coupling/bypass capacitors replaced. Radio now works surprisingly well and short wave even works! The cabinet on this set (console model 37-604) is in excellent condition. . . I see the old WEBC-FM [Duluth MN 92.3 mhz] tower has had all the telephone/microwave equipment removed from it. It sure looks bare now. Wonder how long it will remain, as it appears to no longer serve any purpose?" [The tower is owned by the MN Highway Department, and is looking for tenants. It stands at 328 feet, down from its original height of 526 feet, but still very prominent atop the Duluth hill antenna farm—the place from which all Duluth and Superior WI FM and TV station DX originates.]

"If you're hearing the midwest or Ohio valley on a Sunday afternoon and hear classical music on 98.7, do not assume you have WFMT Chicago," writes Douglas E. Smith. "WHOP-FM Hopkinsville KY airs classical music on Sunday afternoons. . . Other times, the 'k' format in the 'FM Atlas' is accurate. Second, if you hear 'KYTN' 104.9 there's no such station. What you actually heard was WKWT Union City TN. The KYTN nonID is apparently a reference to the nearby cities of Futon KY and South Fulton TN. This one had Tom Bryant and I confused for a few minutes during a DXing session at his place a few weeks back. Bruce, this should be added as a strict nonID; while I haven't listened across the hour for a legal ID, I've never heard the WKWT calls on this station." WMUF-FM 94.1 Paris TN is mono, as are WHFH \*88.5 Flossmoor IL and WFMH-FM 101.1 Cullman AL. Doug went through an old stack of VUDs and saw an item about the interference to WISC-TV (3) Madison WI. He was on the crew that tracked down an errant Finco TV distribution amplifier in Rewey WI. The home owner cooperated and the defective unit was replaced by a new one. "The LMA between WYZM 105.1 and WMMM-FM 105.5 in the Madison area is rather interesting. A former colleague was responsible for the petition that got 105.5 allocated to Verona. . . Maybe the LMA will somehow permit WMMM-FM to seek a transmitter site closer to the U. of WI campus. I don't hold out much hope for WYZM's success with a 'k' format. WWQM 'Q-106' has the FM country audience sewed up; WJVL 99.9 seems to do reasonably well in Janesville-Beloit (where WWQM, a Class A, is lacking in signal); and WTSO 107.0 AM has a pretty good signal in areas north of town. There just

aren't any real big format gaps in the Madison market." [At last word, WMAD-FM (rp) 92.1 and AM Sun Prairie have left the air.] "WVSU \*91.1 Birmingham AL is really pushing the definition of noncommercial. When heard, they were running oldies rock—and a 60-second spot for Cellular One! Why doesn't the FCC just drop the pretense and relabel them 'nonprofit'?" [No more jazz on WVSU?] "If any rock music fans in the WTFDA want a good example of what AM can sound like given proper engineering and a decent format, they should travel to Huntsville AL with a good radio [or DX the station?] and listen to WTAK 1000 kHz. 'TAK must be the only remaining AM station with a 'rp' format—and they really sound like FM! . . . Now that translators can run considerably more than 1 watt here in the East, can we have translator powers shown? Also, how difficult would it be to put translators in the by-frequency listings?" [I am starting to show translators with over 100 watts in FMedial and selectively here, as well as in larger type on the FMaps. I once mixed translators with stations in my own by-frequency lists, but there got to be so many translators that I had to segregate them. For the same reasons I am not listing formats in the by-frequency section I won't add translators there—too much clutter and too little time on my part!]

Both Doug and Roger Winsor like Mike Knitter's new FM Log. Roger says it is quite up to date, while Doug writes, "It's definitely a worthwhile adjunct to the 'FM Atlas', though definitely not a replacement for the Atlas. The presence of transmitter coordinates makes it possible for computer-equipped DXers to calculate distance to much better accuracy than previously possible."

Keith Pugh noted the Florence translator moved from 98.3 to 98.7. Networking are WXFL 96.1 Florence, WLBI 98.7 Warrior and WYAM 106.1 Hartselle AL, all S, and all lame. WYAM has been on-and-off, so DXing prospects there may be uncertain. "The above three stations are a total waste." Keith had some Mexican mysteryis which he'll send to another VUD column for possible sorting out. Bill Rogers owns the Florence translator for WKDF 103.3 Nashville, but he's being opposed by the people owning the WHVK-WZYP (TN-AL) LMA who have filed applications for translators which would block his plans and/or his ability to pick up WKDF clearly for an alternative rock station for Florence-Decatur. Rogers sent me copies of his FCC filings, which is typeset to be summarized in more detail in July's FMedial newsletter.

Tom Bryant sent an old program guide for W4XA, 26.150 kc, 1000 watts, Nashville TN, owned by WLAC, for 1941. Programming was from 11 a.m. to 1 p.m. and 6:30 to 9:30 p.m., mostly classical music. I think this was an "Apex" station, a medium-fi forerunner to FM. Ned Horton's still running WRLT, and Tom said there are no further developments on that front. And in ND, a retirement party for KNDR's old transmitter—something most

It's A  
Retirement Party  
For Our Old  
Transmitter

KNDR RADIO  
104.7FM

of us have never celebrated! In SD, Lakota Indians want Tom Casey, acting manager of KILI \*90.1, to step down, charging that as a non-Indian, he fired Lakota employees and used unfair and biased reporting. Casey will not resign until his board tells him to leave.

"Damark is selling \$39 digital tuners," notes Bill Nienajedly. "This one looks the same as my FM-660 from Fisher, which I bought for \$49 from the Feb. Damark catalog. . . Do you have any idea who is 'WJMS' on 105.3?" [Must be WRLO Antigo WI, probably another station on the Milwaukee Brewers network—b.s.] Bill says KWYN-FM Wynne AR now can be DXed on 92.5, from 92.7; I wonder if it has Stereo or not. "The success of Bolin's phase box is very evident as many strong trop stations normally block out DX, but now it is really easy to get past the closer ones." He realized DX on three New York city local frequencies.

"Wow! I just turned the knob and the stations popped right through," with many on the same antenna bearing. Bill goes on: "In the Nov. '90 VUD, Tim McVey has plans for a five filter IF amplified circuit board. Rich Shaften constructed two of these. One he put in his G-E Superadio. And the selectivity is excellent! You should consider building one of these boards and trying it out. I have one now in that \$49 Fisher tuner by Damark and the selectivity is much better. But I went a bit further. As you know, some tuners that have 3 or more IF filters sometimes bridge two in series at a time. This is good and bad. It does increase selectivity, but does knock down sensitivity. This is not noticed at all with stock filters, but when you replace all the filters—especially in a bridge—you get a loss in sensitivity." He claims you can remove the bridge and install the two new filters in parallel, which might help sensitivity. Hrmph! I'll believe this when I see it. Bill's diagram gets a bit complex; if you want to advance the frontiers of filters' research write Bill [see address in "Eastern TV" column]. I modified two Magnum/Dynalab FM tuners: one an older FT-101 and the other a new FT-101A, similar to the "Etude." Results were the same. Two 110s gave razor sharp selectivity with no evidence of loss of sensitivity, but slight difficulty in tuning. I backed the selectivity off by installing a 150 in one of the slots formerly occupied by a 110; this enabled SCS at 92 kHz to play (especially when set on the "wide" mode). The skip of June 14-15 I DXed very well with the tuner in "wide" mode, not needing extreme selectivity. By the way, the new G-E "Superadio" will have a "narrow" selectivity setting; it should be ready in August. I have 19 of the older 7-2885s for sale at \$54 plus \$4.50 shipping; it can be modified at extra cost for FM-SCS band(s) and for more selectivity. Re May VUD and the item about not repairing an old FM tuner with a burned out RF transistor. "Most transistors are interchangeable with others. For instance, a common 2N2222 is interchangeable with 20 or more different numbers," proclaims Bill.

Speaking of old radio guides—Max Engel sent some interesting info on DXing then compared to now. "In one of your recent columns you mentioned WGHF as being in Brookfield CT. Prior to that, WGHF was here in New York city with studios at 10 E. 40 St. For a while WGHF (101.9) was affiliated with the Rural Radio Network [and] owned by G. H. Finch. At one time during the '40s (I don't remember the exact year), WGHF was marketing a FAX attachment to an FM receiver, similar to SCA. It was the hope of Mr. Finch that people could receive their newspaper by radio." The information Max sent included a sheet describing the Rural Radio Network, with all the locations in use today, such as DeRuyter 105.1. There were some surprises. WVBN Turin 107.7 was located between Westertown and Rome, and the Ithaca station was WVFC 95.1. WVFC left the air in 1949, with WHCU-FM 97.3 becoming the Ithaca affiliate, and Bristol Center took over 95.1 (it had been on 101.9). Max sent a copy of a letter he received from Phyllis Guterman, program department, at RRN's Ithaca headquarters, dated June 28, 1948, mentioning their plans to do a printed program schedule. The network was on with uplifting program for farmers from 6 a.m. to 9:15 p.m. Mon.-Sat. and from 8 a.m. Sundays. The schedule was designed for children, "minus the blood and thunder," with weather

reports from the high-altitude transmitter sites, and news analyses. "Recognized analysts who understand Northeastern agriculture will interpret the news in terms of what it means to farmers." By March, 1949, the network was heading into decline, with it giving up Sunday broadcasting and delaying sign on to 6:30 a.m. and sign off at 7:30 p.m. "Although some programs will be eliminated, none of the basic service programs—such as newscasts, weather and market reports—is affected by the change. The fundamental objective of the Rural Radio Network is to provide these services to farm people. Surveys and analyses of listener mail has demonstrated that the hours at which farm people want their services are 6:30-8 a.m., 12-1 p.m. and 6-7 p.m. Rural Radio Programs are concentrated in those hours." I wonder if they thought of DXers and the programs of other stations coming in when their transmitters were silent?

Jim Renfrew sent some info on the Toronto 99.1 situation, with new applications entertained by the CRTC only from existing broadcasters wanting to upgrade. Rawlco, permittee for 92.5, wants to change to 99.1, while CFMX-1 96.3 wants to upgrade, and so does CJEZ 97.3. CHIN-FM wants to go from 4 to 8.5 kw, but staying on 100.7. Some of the information came to Jim from Don Treford of the NRC.

Carl Dabelstein sent word on the NRConvention '92 in Omaha at the Days Inn, 3001 Chicago St., ZIP 61831, Sept. 4-6. I am sure WTFDAers are welcome, and he invited me to do a technical session; no decision yet on my part. Get a free convention packet from Ernie J. Wesolowski, 13312 Westwood Lane, ZIP 68144-3543.

Glenn Hauser, before he moved back to OK, tracked down a local NM pirate—a guy who claimed the rebroadcast was legal, playing tapes of his favorite records. It was on 89.5. "I was the first to track him down. Told him 89.3 or 89.7 would be clearer for him. . . In case you've lost track, World of Radio schedule (CDT) is Friday 4:15 p.m. 15690 kHz; Sat. 7 p.m. on 7355, 10:05 p.m. on 7435, Sunday 3:30 p.m. 15420; Sunday 5 a.m. 15690 and Monday 3:45 p.m. on 15690."

"I am happy to say that I'm ordering the FM Atlas for the first time!" says Mike Hawk. "I was using the NRC FM Log, which was very good, but with the FM Atlas, I'll have the advantage of being able to see where stations are located without having to look each city up in my road atlas, like I did last year. . . With my new tuner and improved antenna, along with the FM Atlas, I'm looking for a lot of fun this summer! I've been experimenting a little with antenna phasing lately. With my KT-815, I was using a pair of rabbit ears and 1/2-wave wire. It was straight up phasing, no capacitors or attenuators. First, the rabbit ears alone had more gain than the 1/2-wave wire, but the wire had deeper nulls than the rabbit ears. Phased together, though, it had slightly more gain than the rabbit ears and nulls deeper than the wire. Even though it worked great, two dipoles phased didn't equal my FM-10. . . I really enjoy reading your column. Keep up the good work!" Mike implied that KIWR \*89.7 Council Bluffs might not be a DX target much longer, since they are losing money. They are considering selling, but are first trying to raise money from listeners to keep it on the air one more year. Mike kindly promises to send along any station changes he might spot.

Those are the end of the mailed-in contributions. Look below, readers, for "See Also," where you can see what nuggets I culled from other columns in last month's VUD.

**New FM Station, Translator Grants**

- All translators have less than 100 watts unless indicated otherwise (dtrs selected)
- AZ Mings Mountain K244CN 96.7 (KIH) 106.7 Prescott Valley)
- AZ Prescott K215AV \*90.9 (KNAU 88.7 Flag-staff), on air
- AR Batesville K234AC \*94.7 (KUAR 89.1 Little Rock), 250 h.v
- CA Greenfield \*98.5 1350 h.v; 727 m, Prunedale Educational Association
- CO Boulder KYGO-FM 98.5 250-h booster of Denver station
- CO Cripple Creek K240CH 95.9 (KKCS-FM 101.9 Colorado Springs) (Boulder)
- CO Fort Collins K260A C \*99.9 (KGNU 88.5/

- CO Longmont K251AB 98.1 (KYGO-FM 98.5 Denver), 250 h.v [93.3 Danbury]
- CT Bridgeport W265OE \*104.9 (WFAR/CT Huntington WMNR-1 \*88.1 75-h booster of Monroe station, reinstated)
- FL Ormond-by-the-Sea 95.7 3000 h.v; 100 m, McFayden Bcstg., initial decision, subject to reversal [Golf Media, Inc.]
- IL Mount Morris 95.7 2700 h.v; 151 m./IN Fort Wayne WOFM-1 98.1 booster of Defiance OH station; power not stated
- KS Caney KEOJ 101.1 3000 h.v; 100 m, KXOJ, Inc., CP reinstated
- KY Hardinsburg 104.3 3000 h.v; 176 m, MN Coleraine 95.1 100000 h.v; 100 m, Latto MO Asbury (NW Joplin at KS border) 103.5 8000 h.v; 100 m, Wm. Bruce Wachter MT Missoula K280V 103.9 (KALS 97.1 Kalispell), CP reinstated
- NM Clovis 102.3 25000 h.v; 100 m, Karen Ann Mainier [Las Vegas NV]
- NM Silver City K204BU \*68.7 (KILA 90.5/ NM Texico 96.5 4000 h.v; 119 m, North Plains Bcstg. Corp.
- NY Conklin (Binghamton) 100.5 3500 h.v; 132/ NY Warsaw \*88.3 7000 h.v; 150 m, g, Family Life Ministries, Inc.
- NC Semora 106.7 3000 h.v 100 m, S.F.M., Inc. ND Dickinson 99.1 100000 h.v; 217 m
- OH Columbus WHOK-1 95.537 watt h.v booster of Lancaster station
- TN Cookeville \*80.9 3000 h.v; 212 m, g, Somerset Educ. Bcstg. Foundation
- TN Lebanon 92.9 3000 h.v; 100 m
- TN Mount Juliet (Nashville) 106.7 3000 h.v; 100 m, Jamal Bcstg. (see "Deletions," D'Onelson TN below) [89.9 Laredo]
- TX Eagle Pass K204BT \*88.7 (KBNL/ TA Matamoros XHVX 107.1, l. "Probably stereo, but can't tell from here."

**Call Letters Assigned or Changed**

- AL Oxford 97.9 WVQK (WKFN)
- FL Cocoa Beach 104.1 WHVE (WZTU)
- FL Nicaville 100.3 WNCV
- IL Kankakee 95.1 WKVF
- IN South Whitley 101.1 WLZQ (WQB; WQB; X remains in Omega FA, 107.5)
- KY Shepherdsville 105.1 WEHR (WWQE)
- LA Haughton 103.7 KZWB
- LA Lake Charles 105.3 KZWA
- ME Seersport 101.7 WZVA
- MI Holland 96.1 WKEZ (WYXX)
- NM Bloomfield 104.5 KKF6 (KCEM-FM)
- NY Fort Ann \*91.7 WYBQ
- NY Fort Plain 101.1 WBUG-FM (WLKO)
- NC Roanoke Rapids \*88.5 WZRU
- NC Wingeat \*91.9 WRCH
- PA Oil City 96.3 WKQW-FM (not \*98.3," as mentioned in May, p. 1, col. 1)
- PA Tobyhanna 107.9 WPPR-FM (WPPR); AM is in Mt. Pocono
- SC Waterboro 100.9 WNTC (WALD)
- TX Amarillo 96.9 KLSF
- WA Camas 94.7 KMUZ-FM (KMUZ); AM is in Gresham WA
- WI Eau Claire \*91.3 WHEM (WYDR)
- WY Douglas 99.3 KKTY-FM (KKIC-FM)

**Facilities Changes Granted**

- AL Florence W254--98.7 has WKDF 103.3 Nashville TN (not WBTG 106.3 Sheffield); remove W252A 98.3 from the listings.
- AL Muscle Shoals W274--102.7 (from W280AH 103.3)
- AZ Bisbee KZMK 92.3 (from 92.1)
- AZ Mings Mountain (from Camp Verde) K285A 104.9
- AZ Phoenix K257CD 99.3 has KRIM 104.3 Payson (from KVVA-FM 107.1 Apache Junction)
- AZ Prescott K246--87.1 with KSLX 100.7 Scottsdale (from K296AM 107.1 with KDKB

- 93.3 Mesa)
- K265C1 100.9 has KRDS-FM 105.3 Wickenburg (from KMXX 101.5 Phoenix) [BJ 91.5
- AR Forrest City K234AB \*94.7 (from K218-AR HOPE K295AB \*106.9 (from K2148-90.7)
- AR Monticello K295AA \*106.9 (from K220DM 91.9)
- AR Mountain Home KPFFM 105.5 33400/ AR Yellville KCTT-FM 97.7 50000 h.v; 116 m; \$7
- CA Avalon KRCI 92.7 3000 h.v; 49 m
- CA Burney KNCA \*89.7 447 m (2300 h.v)
- CA Marysville KRFD 99.9 665 m (1700 h.v)
- CA Merced KAMB 101.5 16800 h.v; 258 m
- CA Oxnard KXLM 102.9 5500 h.v; 34 m
- CA Stockton KFMR 100.1 6000 h.v; 87 (m)
- FL Tallahassee WVFS \*89.7 2700 v; 53 m
- GA Tallahassee WCLM-FM 107.3 (from 107.1) 25000 h.v; 100 m, C3
- GA Swainsboro WJAT-FM 98.1 (from 98.3)
- GA Trenton WBDX 102.7 320 h.v; 419 m, transmitter Lookout Mountain; format m
- GA Wrens WAKB 96.9 (from 96.7) 14500 h.v; 131 m, C3
- IO Rexburg KADD 94.3 25000 h.v; 90 m, C3
- IL Dixon WIXN-FM 101.7 6000 h.v (100 m). Not "WIKN-FM," p. 176, FM Atlas-4.
- IL Pana WKFO-FM 100.9 6000 h.v (88 m)
- IN Mount Vernon (new) 106.7 90 m (3000 h.v)
- IA Fairfield KLIK 95.9 4100 h.v (122 m)
- IA Newton KLVN 95.9 5100 h.v (108 m), "FM 96" (from "StarStation")
- KY Horse Dam WVPV 100.7 (from 102.7)
- KY Beaver Cave WLMK 106.7 (from 100.7)
- KY Louisville WAMZ 97.5 198 m (10000 h.v)
- KY Mayfield WXID 94.7 38000 h.v; 123 m, non-D-A [000 h.v (43 m), C3, \$
- LA Natchitoches KOBH 97.3 (from 97.7) 111-
- ME Biddeford WSTG 94.3 12000 h.v; 144 m
- ME Blue Hill WERU \*89.9 15200 h.v (274 m)
- MO Bethesda WLTT 94.7 20500 h.v; 235 m
- MN Lake City (from Wabasha) KQLW 102.5 9400 h.v; 161 m, C3; \$
- MN Lakeview KZPZ 105.1 2800 h.v; 152 m
- MN Winona KAGE-FM 95.3 10900 h.v (151 m)
- MI Carthage (from Webb City) KMXL 95.1 50000 h.v; 144 m, m format
- MO Cassville KZKR 100.1 2700 h.v; 149 m
- MO Chaffee KYRK 104.7 6000 h.v (100 m)
- MO Columbia (new) 102.3 (from 93.9)
- MO El Dorado Springs KESM-FM 105.5 4500 h.v (58 m) [C2, add vertical
- MO Houston KUND 99.3 26000 h.v; 207 m
- MO Vandalia KLRK 104.3 (from 100.1)
- MO Webb City (from Carthage) KLL-FM 97.9 (from KRKG), g
- NE Kearney KRNY 102.3 25000 h.v (100 m), C3
- NM Los Lunas KZPY 106.3 100000 h.v; 200 m, C1 [AK 88.7]
- NY Clayton W217AE \*91.3 (from W204- NY Little Falls WQWB 105.5 2900 h.v; 142 m
- NY Oneonta WSRK 103.9 2050 h.v (159 m)
- NY Rensselaer (from Troy) W226AC \*93.1 [88.1]
- WQBK-FM 103.9 6000 h.v (91 m)
- NC Charlotte W220AD \*91.9 (from W201AB/ NC Concord WPEG 97.9 93600 h.v (491 m)
- NC Durham (new) \*90.7 50000 h.v; 132 m
- NC Fairmont WSTS 100.9 50000 h.v; 150 m, C2
- NC Fuquay-Varina WNND 103.9 10100 h.v; d-; 159 m, C3 [m (100000 h.v), C1
- ND Fargo KSMN 107.9 233/ [adds d-a
- OH London WCKX 106.3 6000 h.v (100 m), C1
- OH Manchester WAGX 101.3 91 m (3000 h.v)
- OH New Lexington WJWJ 106.3 1700 h.v; 191 m [000 h.v; 299 m, C1
- OK Woodward WKFV 100.1 (from 93.5) 100-OR Band KQAK 105.7 40000 h.v (180 m), C1
- OR Harbeck-Fruitdale KAJO-FM 98.3 130 h.v (639 m) [93.5 1250 h.v; 219 m
- PA Mechanicsburg WTPA/ [119 m]
- PA Washington WJPA-FM 95.3 4200 h.v, d-a
- SC Greer WRDQ 103.3 2700 h.v; 151 m [m]
- SC West Columbia WSCQ 100.1 5900 h.v (101/ TN Clarksville W244AL \*96.7 has WAYM

- Columbia (from WZEZ 92.9 Nashville)
- TN Cookeville WTTU \*88.5 2000 h [horizontal only], 50 m
- TN Crossville WXVL 99.3 6000 h.v (79 m)
- TN Humboldt WTDZ 102.3 6000 h.v (91 m)
- TN Huntingdon WVHR 100.9 6000 h.v (91 m)
- TN Lafayette (new) 102.1 (from 104.1)
- TX Corpus Christi KBNJ \*91.7 (having moved from 91.9) 5000 h.v (91 m) [m, C2]
- TX Plainview KYYN-FM 103.9 25000 h.v; 108/ TX Port Lavaca KPLV 93.3 97 m (100000 h.v)
- TX Rosenberg KMIA 104.9 154 m (3000 h.v)
- TX Texarkana KTKX \*91.5 5200 h.v (102 m)
- VA Grundy WJMD 97.7 1400 h.v (149 m)
- WV Charleston WVNS 96.1 45000 h.v; 157 m
- WV Rainelle WRRL-FM 95.3 3100 h.v (140 m)
- WI Clintonville WJMQ 92.3 (from 92.1) 6000 h.v (91 m) [h.v; 98 m; on now on 92.31
- WI Hayward WRLS 92.3 (from 92.1) 6000/ WI Rhineland WRRH 100.3 100000 h.v; 299 m, C1, add vertical
- WI Whitewater WSLD 104.5 100000 h.v (100 m), see "Deletions," Waukesha below. A Class C1 station in B territory?

**Stereo—or to be Stereo**

- CT Stamford WEDW-FM \*85.5 confirmed stereo, except that it properly turns off its stereo generator for "All Things Considered"
- IL Arco WZNX 107.9, ID with Charleston-Matton
- IN Terre Haute WCRT \*88.5
- KS Great Bend KHCT \*90.9
- KY Frankfort WKED-FM 103.7, o [idies]
- ME Thomaston WAXV 106.9, on air, classical.
- SD Watertown KSDR-FM 92.9, "KS-93" (strict), k, tu, 67 kHz
- TX Clute KARK 95.7
- WI Waunakee WY2M 105.1
- WI Wausau Monophonic
- ME Sanford WSEW \*86.5

**See Also June VUD For**

- KS El Dorado KBUZ 99.1 The New Lite 99 (from "K Buzz"), Coniglio, p. 26
- MI Port Huron WGRU 102.3 StarStation (from "Truth 102.3"), Hall, p. 24
- NM Trust or Consequences KSNM 98.7 98 Plus (from "Sun Country"), Pugh, p. 20
- NY Catskill WCTW 98.5 The Cat (note new calls from WQKZ), Shaften, p. 22
- NY Wurtsboro WZAD 97.3 Pure Gold (from "Loudness"), Shaften, p. 22 [p. 24
- OH Loudonville WBZW 107.7 The Breeze, Hall/OK Edmond KOKF \*90.9 91-FM, Coniglio, p. 26 [from "Rocket"), Hall, p. 24
- PA Coudersport WFRM-FM 96.7, The Wizard/PA St. Marys WKB1-FM 94.3 r, The Wizard (from "Rocket"), Hall, p. 24
- PA Saylorsburg WPRE-FM 95.5 apparently plays music in stereo along with its new talk format; color 'em mt, S, Nieman, p. 23
- PA Smithport W10R 106.3 r, The Wizard (from "Rocket"), Hall, p. 24
- TX Bandera KHLZ 98.3 All Hits 98 (but may be off the air now), Hawk, p. 24
- TX Palestine KYYK 98.3 Hit Country, Hawk, p. 24
- VA Fredericksburg WFLS-FM 93.3 k, [ren, p. 22
- NIGERIA—are frequencies like 95.774 Benin City and 97.66 Lagos for real—or is this spurious accuracy? Which stations there have stereo and do any have 87 or 92 kHz SCS carrier with hidden music or talk programs? Adewekun, pp. 25-26.

**Format Changes**

- Formats are the same as in the "FM Atlas"
- AZ Lake Havasu City KBBC 101.1 r [ock]
- AZ Oro Valley KRKN 97.5 op
- AZ Phoenix KPSN 96.9 o
- CA Grover City KWCD 107.3 k, returning to air
- CA Ridgecrest KLOA-FM 104.9 k
- CA San Luis Obispo KJJK (was KKUS) 98.1 k, "The Jug"



CA Santa Ana KWIZ-FM 96.7 drops Korean, temporarily rm, but going to brokered ethnic. Loses "Radio Korea" nonID; future stereo status unknown.

DE Lewis WXJN 105.9 on air, k; \$7  
FL Tallahassee WRZK 106.1 p, Z-Rock  
IL Macomb WJEC 102.7 op

IN Brownsburg WQFE 101.9 m, \$[tereo]  
IN Corydon WQZB 96.5 sr. "They're pretty loud—have they upgraded to B1 or B2?" [Not yet—b.a.] WKID 95.9 vaway IN had "horrible audio, sounded like no frequency response below 400 kHz," and still monophonic.

KS Augusta KLLS 104.5 kr, "a mixture of country and adult contemporary music"; ID with Wichita and variable third city

KS Columbus KOCD 105.3 op, but still on 98.3; "upgrade from 98.3 has not yet occurred."

KY Bowling Green WWHR \*91.7 p, \$, "New Rock 92" (not strict)

KY Elizabethtown WQXE 98.5 (having moved from 100.1), o, "Quixie 98.5"

KY Madisonville WTTL-FM 106.9 m  
LA Winfield KVCL-FM 92.1 k

ME Presque Isle WTMS-FM 96.1 m  
MN Brownville KXDL 99.7 o, \$, on air

MO Joplin KKUZ 102.5 k  
NE Hastings KEZH 101.5 k, "KZ Country" (from "Magic 101")

OR Eugene KZEL-FM 86.1 op  
PA York WQXA-FM 105.7 o

SC Anderson WWMW 107.3 r, "The Heat" (from "Magic 107.3")

SC Georgetown WSCA 93.7 op  
TX Colorado City KAUM 106.3 k

TX Gilmer KLSQ 95.3 o  
VA Accomac WVES 99.3 k

VA Buffalo Gap WSKO 105.5 m  
VA Richlands WRIC-FM 100.7 m

WI River Falls WRFW \*88.7 r, no longer carrying WI Public Radio talk shows

#### On Air and DX Ready (Selected)

AZ Prescott KNOT-FM 99.1, from 98.3  
PA Philadelphia WMMR 93.3 now 18000 h.v.; 252 m, with new transmitter, "but I was hoping that they would only be at the reduced signal strength temporarily" for Hazleton-area reception.

W300AD \*107.9, "another frequency shot!" And moved to 107.9 from 89.3 is WHHS \*89.3 Havertown PA. Its signal said to be better in downtown Philly than W300AD, where W300AD has its transmitter. WHHS now stereo? WYRM 97.1 Mountaintop, WQLS 93.7 Dallas and WKAB 103.5 Berwick "have all blocked out distant stations. I used to receive WSTW 93.7 Wilmington DE at about 22 dBf but it has been completely blocked by WDLs."

WI Suring WRVM 102.7, building its 299-meter tower (100000 h.v.). Was at reduced power in June, but should be on with maximum DXing facilities by now.

WI Tomahawk WJJD-FM 92.5 C3 from 92.7A

#### Off Air or Not Yet On

AZ Payson KRMM 101.1  
AZ Sedona KQST 101.29, still on 100.1; remove "100.1 KQST" from Prescott, p. 70 map

KSED 107.5  
AR De Witt KDEW-FM 96.7 and AM

IL Rantoul WLTN 86.1  
KS Clearwater KSQB 98.7, may be urban

KS Hutchinson KIUS 97.1—expected on soon, with construction of tower a Haven KS, but no antenna in place and no format announced

ME Kennebunkport WXPT 104.7  
ME Kittery WKCD 105.3

MI Bear Lake WRQT 100.1  
MI Lakew. WRIZ 106.3

MI Marshall WEL-FM 104.9  
MN International Falls KICC \*91.5  
NH Somersworth WTSN-FM 98.7  
NJ Atlantic City WJNJ \*89.7

NJ Ocean Shores WQNJ 98.5  
NM Deming KZPI \*91.7  
NM Las Cruces KRUX \*91.5, KVLC 99.5  
PA Shamokin WSPI 95.3, "and its AM sibling" indefinitely due to financial problems."  
TX San Angelo KKLK 101.9

#### Deletions

AZ Camp Verde K257AW 99.3  
K280DB 103.9, an unbuilt CP  
AZ Cottonwood K218BU \*91.1 "for failure to prosecute"

AZ Prescott K2888A 105.5, because of KVRD-FM 105.7 Cottonwood, which is only 38 watts, but which claims to be "3000 watts"

AZ Show Low K211BR \*90.1  
CA Lompoc K213BK \*90.5  
CA Santa Maria K218AF \*91.5  
CA Scotia K207BA \*89.3

ID Gooding KCRQ 101.3  
IN Knox WUVX \*89.3  
IN Winamac WOTD 100.1

LA Jonesville KMES 101.1  
MA Winchester WHSR \*91.9  
MI Pentwater WVKG 103.1

MS Pascagoula W206AD \*89.1  
NY Poughkeepsie 96.1 CP rescinded  
NC Greenville W204AD \*88.7  
OH Miamisburg WMHS \*89.9

TN Donelson WAMB-1 106.7, because of new grant to Mount Juliet  
TN Nashville W265AE 100.9

TX Hereford KMAZ 103.5  
TX Plainview KOTD \*90.7  
UT Moab KOPI 96.7

WI Waukesha WCCX \*104.5, because of power increase at WSLD Whitewater (see "Facilities," above)

#### SCServices, 67 and 92 kHz

Symbols are as in the "FM Atlas"  
MN Rochester KFSI \*88.5 TU, 67 (not TX)  
KRCH 101.7 TU, 92 (retains 1M, 67)

NJ Atlantic City WMGM 103.7 FR, 92 (FE, 67); the 92 m is the same music service as on WQCD 101.9 New York's 92.

#### FMistakes, FM Atlas-14

GA Douglas WDMG-FM 99.5 coverage too high, p. 109; is 37 km

KY Wilmore 99.5 WYVI, not WYVI, p. 113  
LA Vidalia KPXQ 104.7 not on p. 183; is 100 m, 3000 h.v. TX Franklin 101.9 (moving from 98.9) also given KPXQ call letters by the FCC. [p. 53 map]

MN Rochester KROCI is on 106.3, not 103.9; SC Anderson WWMW 107.3 p. 190 shows it with a million watts! [is 100,000 h.v.]

TX Uvalde 102.3 KKKX, not "KLXQ," p. 64  
VA Franklin remove WWWW \*91.7 from p. 129  
ON Toronto 105.5 CHRY, not "CKRY," p. 96 "I miss FMedial!"

"I am looking forward to this update, and I hope you've given up picking on AM so you can devote more pages to the 'FM' in 'FM Atlas'."

#### NonIDS in Use—Not Just Slogans

Mentioned usually without call letters; "strict" if a station only uses call letters once per hour as required by the FCC (at or near top of hour)

AL Arab WCRQ 92.7 Q-93  
CO Castle Rock KYBG-FM 92.1 K-Big, mono  
CO Fort Collins KIMN 107.9 Power 107.9  
CO Sterling KNNG 104.7 King FM (from "FM 104") [(from "OHL")]

FL Live Oak WOHL-FM 98.1 Stereo 98/  
FL Tampa WUSF \*89.7 Concert 90  
IN Elwood WEWZ 101.7 Mix 101.7 (from "EZ-101")

IA Ames KCCQ 107.1 Hot FM  
IA Fort Dodge KUEL 92.1 Cool 92

IA Mason City KIAI 93.9 93-9 KIA, ID with Austin-Albert Lee MN [Radio  
KS Goodland KGCR 107.7 Great Christian/  
KS Hughton KFXX 106.7 KFX, The Fox  
KS Kansas City KUOL 98.1 Cuddle FM  
KS Manhattan KMKF 101.5 K-Rock  
KS Wichita KRBB 97.9 6-98  
KY Louisville WZKS 103.9 Country 103.9 (from "Kiss") [ou Country"]

LA Houma KCIL 107.5 C-107 (from "Bay-"  
MN Rushford-Winona KWNQ-FM 99.3 99.3 The Heat (not strict); good stereo signal received in Rochester ["Soft Rock 101"]

NE Columbus KLIJ 101.1 Clear 101 (from/  
NE Norfolk KEXL 106.7 Great Hits 106  
NE North Platte KELN 97.1 Hit Radio 97  
NE Omaha KESY-FM 104.5 Soft 104.5  
NE Sidney KSID-FM 98.7 Bright 98  
OH Cleveland WPHR 107.9 The End (from "Power 108")

PA Huntingdon WLAK 103.5 Lake 103  
WDHG 106.3 Q 106-3  
PA Philadelphia WYSP 94.1 uses calls, "94-WYSP," not "94-1" and "the classic rock station"

WVWB 96.5 uses calls, not "96.5." "Didn't hear anything on 41 kHz SCA."  
SD Sioux Falls KLLS-FM 104.7 Sunny 104.7  
TX Galveston KQOK 106.5 Hot 106.5, still Spanish ["Lite FM"]  
WI Elk Mound WECL 92.9 uses calls, not/

#### Multi-City IDs in Use

CA Long Beach KSKQ-FM 97.9 with Santa Ana-Los Angeles, and doing some cross-continent simulcasting with WSKQ-FM 97.9 New York via satellite. KSKQ-FM says "la nueva efay emmay noventa y ocho."

CT Hamden WKCI with New Haven  
MO Harrisonville KCFX 101.1 with Kansas City  
NE Bennington KRRK 93.3 with Omaha-Council Bluffs (IA)  
NC Lexington WWGL 94.1 with Winston-Salem-Greensboro-High Point

AM Happenings Most Likely Caused by FM

AR Marked Tree KPAC 1580 deleted by FCC  
AR Pine Bluff KCLA 1400 and KZYP 99.3 FM enter LMA with KPBD 101.3 Pine Bluff  
GA Brunswick WHJX 790 silent pending sale  
LA Farmerville KTDL 1470 silent  
ME Portland WLPZ 1440 business radio, from "Z-Rock"

MD Gaithersburg WMET 1150 shut down after Satellite Music Network sent sheriff to seize all unattached assets. SMN was owed \$460,650 by Beltway Communications, station licensee. Value of seized property, including office equipment, only came to \$15,000.  
Sondra Linden, general manager, has been labeled by employees as an "eccentric," who consulted a psychic before making decisions. The station later returned to the air after working out an LMA with WPGC 1580 AM Morningside MD.

MI Albion WALM 1260 silent, along with Battle Creek [in Marshall  
MI Battle Creek WELL 1400, along with FM/  
MS Gulfport WQFX 1130 silent  
NJ Lakeside WKNJ 550 not on air—slow in building, as is NJ Oakland WVNJ 1160.

NY New York WNEW 1130 threatened by a buyout by Salem Media owner of WMCA 570, which would probably turn it into religion. WNEW-FM 102.7 has separate owner.  
"Westwood One, realizing that it might not own WNEW by next fall, already is planning to put the Giants on the FM station it owns, country WYNY" 103.5. However, disagreement between owners Robert Sillerman and Westwood One makes the sale unlikely. In the meantime, the station continues to lose money, but is rich with nostalgia buffs who would miss the Frank Sinatra sound of this big AMer.

# SOUTHERN FM DX

JULY 1992

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

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

DEADLINE: 14th

#### ANOTHER BAD SKIP SEASON SHAPING UP?

Since the Es activity around Memorial Day, the season has gone straight downhill. Though early, little Es has been reported for early June, so far, as of the 13th. Not even the morning DXers, who were doing little of the complaining over the poor season last year have reported much for June. So things are have started looking downright discouraging, indeed. Trop-wise, it's not taking up the slack. Nothing very long range can be found there. Hopefully, it's a little too early to be down on the '92 season, so stayed tuned to it. At least one reporter isn't letting the sad state of the season slow him down. He put in a new phaser and made a good number of loggings, some new, that he attributed to the results of phasing.

LET'S HEAR IT FROM BIG ANTENNA COUNTRY. I wish we could get some DX representation from a portion of the country that seems pretty lucrative for great DXing and that's the western Plains as I would define as stretching from the Rockies eastward to Interstate Highway 35 before it curves northeast in southern Kansas. In Oklahoma I-35 makes a good dividing line. While driving I-35 in the view to west the land seems to be flatter and more treeless, typical of the western Plains, when compared to the view to the east, which appears hillier and woodier, typical of the eastern Plains. From my past impressions gathered after traveling in the western Plains area, I fondly like to think of that area as Big Antenna Country. That's where many of the rural residents, so very distant from the metro TV stations, have had to become like serious DXers and erect large antennas high atop poles and towers. In a land that's usually ruler flat and treeless, the super antenna installations really jazz up the landscape, especially for DXers driving on the lonely roads. Rotators, stacked VHF's and 7 ft. dishes are sometimes used. But strangely enough, in this neck of the woods the DX bug hardly ever bites in this neck of the woods, judging from the lack of reports from the area over many years. Instead, the DX bug seems to prefer to bite in huge urban areas. There a newly enthused DXer may be moved to put up an outdoor antenna and then find even regular out of town reception ruined due to local overloading all over the dial. To name names, the Realistic DX-440 has been known to act up like that in Houston, TX. Meanwhile the people in Big Antenna Country are quite likely to be perturbed by the lack of entertainment choices to regularly listen to and question what can be done about it. Never mind the tremendous DX possibilities. Several years ago I got a letter from Big Antenna Country. It was from a new member recently moved to Woodward, OK from California. Hi joined the club in hopes of getting some ideas for antennas to use in bringing in a greater variety in the FM programming. Strangely enough, he mentioned not caring much about turning DXing into a hobby. Woodward, as the FM Atlas shows is one of the most isolated towns in Oklahoma for regular FM reception. What little there is available is just rock and country. To find things more isolated than this in Oklahoma, one must go to the western panhandle, in the heart of the Dust Bowl. I told the DXer not to expect much better, no matter what he tried to do. The nearest high powered public radio stations offering something different were over 125 miles away. I told him he could at least respect the heavy fading from the more distant stations would subside somewhat during the evening and morning hours when the warmer months of the year returned, which he later confirmed. From the sound of Woodward, one might think it could be the capital city of Big Antenna Country with mega antennas visible everywhere in yards and on roof tops. However, as I recall from driving through Woodward that was not the case to be found. Antennas are on the rare side there. Evidently, cable TV, TV translators along with fierce Oklahoma thunderstorms over the years conspired to keep antennas down. Looking on the bright side from the past, at least one DXer really got into DXing while residing in the western Plains and achieved phenomenal results. During the early 80's in south eastern New Mexico, He logged 1000 FMs in only 3 years. Probably no one has ever this many new stations in such a short period of time. For him, south eastern New Mexico was also a dreamland for TV Es. Down there little if any regular signals are on ch 2-6. The DXer had to move back to urban California and very seldom heard from since. No doubt, the reason why Big Antenna Country is hardly ever heard from is because there just isn't the millions of potential DXers to draw from there that exists in other parts of the country such as the north east. For instance, add up the population of the counties that form the border of western Kansas and arrive at only 21965. Few people wish to move or stay in this part of the country due to the unpleasant weather and the depressed major industries—energy and agriculture. Several years ago a New England professor came cont.....

to study the area. He concluded towns except for metro areas should just be abandoned and the region returned to nature while calling it the Buffalo Commons. With so many counties losing significantly in population, the region probably doesn't need much help from an outsider. In view of this the western Plains will probably always be a rich DX preserve, little explored or exploited while staying far removed from the band congestion DXers must face in the major urban areas, especially along the coasts.

Jeff Wolf 1131 University Blvd., W., apt. 701, Silver Spring, MD 20902

Equip.: Sears AM-FM-TV band radio
5/24 Es EDT
2110 93.5 or 7 Twins baseball
5/25 Es
0958 WQUET93.3 LA New Orleans
1000 KWIX 97.5 TX Waco
1107 KJEF 92.9 LA Jennings
1253 KTYL 93.1 TX Tyler

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

Equip.: McIntosh MR-78, Probe 9
5/9 tr
0852 WMUE 94.1 TN Paris, r, ID
5/12 Es
1026 KFSR 97.9 SD Rapid City, g, ID
1030 KRKK 93.9 SD Rapid City
1033 K202AU 88.3 SD Rapid City, KILI xltr
1040 KRCS 93.1 SD Sturgis, ID
1041 KRWG 93.5 NE Columbus, r, ID
1047 KIWR 89.7 IA Council Bluffs, ID
1053 KVNQ 90.7 NE Omaha, ID
1054 KNEN 94.7 SD Yankton, wx, ID
1055 KOLY 99.5 SD Mobridge
1100 KCND 90.5 ND Bismarck
1101 KQSD 91.9 SD Lowery, ID
1108 KKYA 93.1 SD Yankton, k, "K93"
1111 WNAH 104.1 SD Yankton, "Oldies 104", ID
1113 KVHT 106.3 SD Vermillion, ads
1117 KKOK 95.7 MN Morris
1119 KSUXt105.7 NE Winnebago
1122 KTEG 100.1 MN Pequot LaKaes, wx
1123 WWOJ 98.1 MN St. Cloud, "98 Country"
1131 WDAY 93.7 ND Fargo, YL-94
1136 KRKR 96.7 MN Sartell, ad, "Star 96FM"
1138 KDOG 96.7 MN N. Mankato, lcl. ad
1141 KYCK 97.1 MN Crookston, "97 Kick"
1146 KQMNt 91.5 MN Thief River Falls
1151 KRWQ 92.5 MN Warroad, "KQ-92"
1154 KRST 89.1 ON Fort Frances, //93.5
1205 WLDY 93.1 WI Ladysmith, ads, ID
1207 CBQH 100.9 ON Dryden, "CBQ Radio"
1209 KBWH 99.5 MN Int. Falls, nx
1214 KQDS 94.9 MN Duluth, "KQ95"
1216 CBQXt 98.7 ON Kenora
1219 WEVE 97.9 MN Eveleth, wx, ID
1220 KDAL 95.7 MN Duluth, "96 LITE FM"
1222 WGMQ 95.3 WI Shell Lake, lcl. nx
1224 WRLS 92.1 WI Hayward, ads, ID
1232 WBSA 89.9 WI Brule, #800-442-7106
(Their no. works in Stillwater, OK, DB)
1241 CBQ 88.3 ON Thunder Bay, talk
5/14 Es
0943 KHoy 88.1 TX Laredo, SS-EE, lcl. ref.
0958 XHTFT100.3 CL Monclova
1008 XHNkt 99.3 TA Nuevo Laredo
1009 XHPE 97.1 CL Torreón, city ref.
1012 XHMS 99.5 CL Monclova, ad, "Super FM"
1031 XHTOR296.3 CL Torreón, \$, "R. Torreón"
1039 XHSGT 99.9 CL Piedras Negras
1043 XHXC 91.9 CL Sabinas, ID
1051 KHXY 106.7 TX Terrell Hills, k
1104 KRXS 102.3 TX Uvalde, k, "Kix-102, ads
1113 KIDLK 94.3 TX Del Rio, r, "Hot K94"
1117 KIDR 96.3 TX Del Rio, r, "Hot K94"
5/14 Es
1130 XHRG 95.5 CL Ciudad Acuna, ID
1201 XHCHR2104.5 CH Chihuahua, "\$Requerto"
1208 XHSUt 106.1 CH Chihuahua
f/out 1215
5/15 Es
0957 XHONE 91.3 TA Nuevo Laredo, "Radio Tamaulipas"
5/17 Es (brief)
0045 unID 90.1 rp, \$ west (WOCG off)
tr
0059 WKNP 90.1 TN Jackson, c, ID
ms
1334 KTWa 92.7 IA ottumwa, call
trs
1400 WKkZ 92.7 GA Dublin, r, "93KKZ"
5/24 Es
1939-1947 unIDs to 96.1, Canada
1948 CJMV 102.7 PQ Vald'or, ID
1950 CHMLt103.5 PQ Vald'or
1956 CJDM 92.1 PQ Drummondville, FF,
r mx, more Canadian unID's until 2006
f/out
5/25 Es
1325+ unIDs to 99.9, Canada
1903 KYyz 96.1 ND Williston, "Laser 96"
1917 RMHA 91.3 ND New Town
1925 WOKO 98.9 VT Burlington, ID
1926-2004 unIDs(Canada) 102.3 MUF
2006 CJMV 102.7 PQ Vald'or, good IDeI:
2007 CHMLt103.5 PQ Vald'or
6/2 Es (brief)
1241 unID 88.5 SS, TX or Mex.
6/3 Es
1959 WSMU 91.1 MA N. Dartmouth, ID
2001 WBRM 88.3 MA Boxford, s/off
2004 CBHY 92.1 NS Yarmouth, CBC nx, wx
2009 WBRU 95.5 RI Providence, p, ID
2014 WZBC 90.3 MA Newton, p
2014 WMBR 88.1 MA Cambridge
2024 WICN 90.5 MA Worcester, ID
2025 WLYT 92.5 MA Haverhill, "Boston's Lite 92.5"
2034 WFCR 88.5 MA Amherst
6/4 Es
1518 KUNCT 91.5 CO Greeley
1526 KBMK 93.9 SD Rapid City, r,
"Magic 93.9"
1527 KTOQt104.1 SD Rapid City, k, \$
1535 KINI 96.1 NE Crookston, k, ID
1541 KWMG 93.5 NE Columbus, ID
1542 KPST 97.1 SD Faith, c
1535 KRCS 93.1 SD Sturgis, cont...

6/5 Es
1200 CBD 91.3 NB Saint John, CBC nx
1203 WERV 89.9 ME Blue Hill, lcl. ref.
1209 CKHJ 93.1 NB Fredricton, k, "KHJ"
1213 WHCF 88.5 ME Bangor, xmtr prob.
1216 WCFR 93.5 VT Springfield, ID
1219 WMMR 96.3 ME Rumford, g
1220 WHOM 94.9 NH Mt. Washington, ads

The past 3 years have been fairly decent for May Es. And each of those years have been somewhat slow for June Es. The same can be said about the '92 season, so far. MUF's in June seem to stay well below ch 2, and for what time it has hit FM, it's been spotty at best. Still, there is time for improvement. 73.

Fred Laun, K3ZO, 5801 Huntland Road, Temple Hills, MD 20748

Equip.: Denon TU-800 tuner, Winegard antenna @35' Time EDST
5/20
0630 WDRP 98.9 NC Windsor
0646 WKLX 93.3 NC Greenville, o/WFLS VA
0659 WZNS 92.9 SC Dillon, "z-93"
0700 WMQX 93.1 NC Winston-Salem, o/WPOC
0717 WQDR 94.7 NC Raleigh, o/loc. WLTT
0721 WKML 95.7 NC Fayetteville, adjacent
to WPOC 95.5 4 miles away!
0722 WYLT 96.1 NC Raleigh, "Lite 96.1"
0735 WSAY 98.5 NC Rocky Mount
0738 WKSI 98.7 NC Greensboro, "Kiss FM"
over local WMZQ
0753 WZFX 99.1 NC Fayetteville, "The Fox"
over Annapolis WHFS
0757 WVBS 99.9 NC Wilmington, o/WFRE
0758 WKSY 100.5 SC Marion, "Kix Country"
0759 WTRG 100.7 NC Rocky Mount, o/WGRX
0803 WPCM 101.1 NC Burlington, o/local WDDC
0808 WKQZ 101.7 SC Myrtle Beach
0811 WCYK 102.3 VA Charlottesville, over
local WMMJ, "Country 102"
0813 WLKY 102.5 SC Charleston, "Oldies 102.5"
0831 WNNN 103.9 NC Fuquay, "The Wind"
0905 WRDU 106.1 NC Wilson, "KT Country"
1022 WMPF 96.5 NC Fayetteville, "Mix 96,
Carolina's Best Music"
1030 WYFL 92.5 NC Henderson
5/24
2100 WHWC 88.3 WI Menomonee
2104 KLSK 93.7 MN Minneapolis, "The New
93-X, Minnesota's Weekend Rock Station"
2106 WLKX 95.9 MN Forest Lake
(Time out while I worked two MN stations
on ham radio at 2117-2118)
John F. Combs N4SFS, P. O. Box 721027, Orlando, FL 32872
5/4 tr
2242 WLOW 106.9 SC Bluffton, ID 270
2318 WYFS 89.5 GA Savannah, ID 245
2323 WHTK 99.7 SC Port Royal, ID 275
(heard often since on trs)
5/5 tr
0357 WEZL 103.5 SC Charleston, ID 320
2155 WGOO 98.3 GA Midway, ID, ads 235
5/6 ms
0811 KLTH 99.7 MO Kansas City, ad, lcl. ad 1050
5/7 ms
1337 WFOx 97.1 GA Gainesville, local phone
in 405
5/8 Es
1012 KREJ 95.9 KS Medicine Lodge, 1155
local add. caught while trying to tape ms!
1156 WNYQ 93.1 NY Syracuse, ads 1035
1202 WKXZ 93.9 NY Norwich, lcl nx 1020
1210 WSEN 92.1 NY Baldwinsville, 1040
local remote
1211 KWNC 95.7 IA Webster City, ad 1215
1216 unID 95.5 (FF talk)
1218 WQVR 96.9 NY Utica, ad, ID 1065
1228 KFMH 99.7 IA Muscatine, ad 1045
5/8 Es
1230 WKSE 98.5 NY Niagra Falls, ID 1005
1232 WGRF 96.9 NY Buffalo, local wx 990
1239 KTCZ 97.1 MN Minneapolis local ads1315
5/9 tr
2115 WMTM 93.9 GA Moultrie, ID 215
5/10 tr
0641 WFSQ 91.5 FL Tallahassee, ID 225
0655 WZHT 105.7 AL Troy, ID 345
0659 WINT 94.9 FL Tallahassee, ads 225
0702 WOGA 99.7 AL Dothan, ads 305
0713 WEGA 102.5 GA Waycross, ID 205
0717 WFSV 88.9 FL Tallahassee, loc nx 225
5/11 tr
0141 WRBA 95.9 FL Springfield, ID 300
(often heard weakly on trs on this
otherwise clear freq.)
0903 WDXJ 95.7 FL Homestead, SS, lcl ment.210
5/12 tr
2130 WEEB 97.1 LA New Orleans, ID 525
(caught while trying to tape ms on freq.
5/25 Es (mobile just south of Lumberton, NC)
0955 KARQ 92.1 AR Ashdown, area nx
cont.....

## SOUTHERN FM DX

Combs, cont.

JULY 1992

5/25 Es(mobile just south of Lumberton,NC)	6/8 ms	880
0955 KQWA 92.1 OK Broken Arrow, tent.	0856 WBNS 97.1 OH Columbus, lcl traf.	
assumed--classical, any other c on 92.1?	0906 KMYM? 97.1 OK Muskogee, tent...K97	
0957 KRNG 92.5 OK Oklahoma City, area ads	0911 WFOU 97.1 GA Gainesville,lcl ad405	
0959 KOSU 91.7 OK Stillwater, OK ID	Es	
1003 KIMY 93.5 OK Watonga, area sports	1240 WVPE 88.1 IN Elkhart,pledge dr945	
6/1 tr (back in Orlando)	1252 WOZZ 93.5 WI New London 1160	
2158 WLXV 95.5 GA Savannah, lcl ads 245	1255 CTRV? 88.7 ON Toronto, tent.	
C159 WAEV 97.3 GA Savannah, lcl ads	1257 CHAY 93.1 ON Barrie, ID 1100	
2200 WSVH 91.1 GA Savannah, ID	1300 CITUT 89.5 ON Toronto, ID 1050	
2202 WZAT 102.1 GA Savannah, ID	1302 WSRU 90.1 PA Slippery Rock, 870	
6/4 ms	local nx, 110 watts!!	
1959 WEZB 97.1 LA New Orleans, ID 535	1309 WPRE 94.3 WI Prairie du Chien1065	
(previously by tr)	1652 KBMR 88.3 TX Brownsville, SS, g,	
	1652 KOIR? 88.5 TX Victoria, tent.,SS g	
6/5 tr	1802 XHMV? 90.1 TA Tampico,tent.,latino	
0956 WFOU 97.1 GA Gainesville,area ads	6/9 ms	
(previously by ms, caught on ms tape)	1732 WENS 97.1 IN Shelbyville, ad 835	

## PHASING AT WORK:

Chester P. Royster, WB40HC, R.F.D. Box 223, Freeman, VA 23856

Equip.: Pioneer T-8100 tuner(IF modified with 3 150 kHz filters), stacked FM-13s at 25' and 18' for main antenna, phasing antenna system consists of: FM-13, Magnum Dynalab Signal Sleuth 205 preamp and Bolin 360° phaser into -8db directional coupler. \*Denotes stations received as a result of phasing.

5/10 gw EDT	5/23 gw	
1052 WDRP* 98.9 NC Windsor 69	2120 WRDX*106.5 NC Salisbury 173	
1111 WCCB* 90.1 NC Buies Creek 113	5/27 gw	
1117 WSHA* 88.9 NC Raleigh 87	1505 WUVA* 92.1 VA Charlottesville 96	
1125 WMPX* 96.5 NC Laurinburg 169	1600 WELS*102.9 NC Kinston 105	
1128 WQSM* 98.1 NC Fayetteville 137	5/29 gw	
1155 WMMV* 97.5 VA Charlottesville 96	1532 WRJA* 88.1 SC Sumter 250	
1159 WESM* 91.3 MD Princess Anne 148	2117 WIYY* 97.9 MD Baltimore 183	
5/12 gw	2140 WCVT* 89.7 MD Towson 196	
1158 WDCU* 90.1 DE Washington 151	5/30 gw	
1433 WINC* 92.5 VA Winchester 168	0824 WWSQ 102.5 VA Winchester 168	
1545 WQWZ* 95.1 VA Charlottesville 96	1037 WKEE* 100.5 WV Huntington 283	
1624 WESQ 90.9 NC Rocky Mount 59	1055 WBRF* 98.1 VA Galax 179	
5/14 gw	1155 WIMG* 94.5 NC Eden 118	
0751 WKWI*101.7 VA Kilmarnock 97	1205 WKRX 96.7 NC Roxboro 76	
0814 WSTW* 93.7 DE Wilmington 235	1211 WXBQ* 96.9 TN Bristol 249	
0847 WMGK*102.9 PA Philadelphia 260	1212 WIDR* 96.9 NC Statesville 190	
0915 WFRP* 99.9 MD Frederick 183	1254 WMEV* 93.9 VA Marion 211	
1238 WQPO*100.7 VA Harrisonburg 133	1329 WALJ* 90.3 MD Grantsville 217	
1300 WKCY*104.3 VA Harrisonburg 133	2010 WHLZ* 92.5 SC Manning 256	
1332 WEGX*106.1 PA Philadelphia 260	5/31 gw	
1524 WLGJ* 90.9 SC Hemmingway 232	0820 WRAR*105.5 VA Tappahannock 92	
5/16 gw	1000 WCIG*107.1 SC Mullins 199	
0811 WPAR* 88.1 NC Claremont 212	1013 WKYU*101.7 VA Lynchburg 91	
0815 WNAA* 90.1 NC Greensboro 126	1024 WAMO*105.9 PA Pittsburg 281	
0844 WBBO* 93.3 NC Forest City 253	1030 WTNJ*105.9 WV Mount Hope 205	
0935 WBRP* 97.7 SC Georgetown 251	1105 WGOL* 98.3 VA Lynchburg 91	
0953 WZZG* 95.1 NC Charlotte 205	1130 WKHV*105.5 VA Alta Vista	
1033 WLAN* 96.9 PA Lancaster 237	1208 WCYK*102.3 VA Crozet 104	
1325 WBSS* 97.3 NJ Milville 232		
1400 WZNS* 92.9 SC Dillon 188		
5/18 gw		
1924 WFPG* 96.9 NJ Atlantic 252		
1951 WBSB 104.3 MD Baltimore 183		
5/19 gw		
1924 WFPG* 96.9 NJ Atlantic City 183		
1951 WBSB 104.3 MD Baltimore 183		
5/19 gw		
0858 WDSB* 94.7 DE Dover 203		
1610 WSCL* 89.5 MD Salisbury 159		
2359 WZXL*100.7 NJ Wildwood 219		
5/20 gw/tr		
0625 WFBJ 99.5 DE Wilmington 235		
0742 WQMR 107.1 MD Federalburg 169		
0750 WWDW* 96.5 PA Philadelphia 260		
5/23 gw		
2055 WPEG* 97.9 NC Concord 187		

The typical 75 ohm splitter/combiner will cause a 3 db loss on your main antenna during phasing. Using a -8db directional coupler will eliminate this loss. A preamp such as the signal sleuth can compensate for the 8db loss on the phasing antenna line.

From a cursory overview, it appears that a directional coupler results in a deeper suppression of the unwanted signal. The Bolin phaser permitted me to pick up over 50 additional stations, although the antenna are not above 25'. Hope to pick up an additional 100 when the antennas are raised. 73's, Good DXing and phasing. (Thanks, Chester for reporting on your very impressive achievements with phasing. DB)

## SOUTHERN FM DX

JULY 1992

Gus Mancuso, 5615 Inwood St., Hyattsville, MD 20785	FROM GRANTSVILLE, MD: (All newly logged...)
6/3 tr (From house on valley floor, el 1300')	6/2 PM--6/3 AM from n.e. side of Holiday Inn
1640 WRRL 95.3 WV Rainelle, ex 96.7	WMTD 89.7 MD Towson
(From Powells Mtn., el 2213')	WJSM 92.7 PA Martinsburg
1800 WZWA 90.1 WV Clarksburg, new station	WCCR 92.7 PA Clarion
1853 WLGC 105.7 KY Greenup, ex 105.5	WBUF 92.9 NY Buffalo,tough null on WLTJ PA
1918 WELK 94.7 WV Elkins, ex 95.3, same handle K-95	WEXQ 94.3 PA Cresson, new station
6/4 tr (from house)	WDAC 94.5 PA Lancaster
7354 WKXC 99.9 Pa Erie (rabbit ear null on semi-local WVAF while slightly fading)	WCCZ 97.3 PA Spangler, new station
1444 WOFR 96.3 WV Lost Creek (new station, came in strongest with rabbit ears spread apart and rotated about 30° from vert.,clock wise facing station. Unusual format--½ new k, ¼ '60's oldies, ¼ big band.	WDCX 99.5 NY Buffalo
	WBRR 100.1 PA Bradford
	WHOT 101.1 OH Youngstown
	WRRM 101.3 NY Rochester
	WKYV 102.3 MD Baltimore
	WMXE 103.7 PA Erie
	WNKC 104.9 OH Caldwell
	6/5 PM--6/6 AM, s.w. side of building.
2101 WOOK 97.5 VA South Boston,null on WQBE	WFLS 93.3 VA Fredericksburg
6/5 tr (from house)	WKKJ 93.3 OH Chillicothe
1024 WVTY 96.1 PA Pitts,null on WVNS	WELK 94.7 WV Elkins, ex 95.5
(It would appear that we came about a week too early to get good results. Combination of cool and rain proved fatal. See 8/90 & 7/91 VUDs for comparison. WZKM 93.3 & WTUN 98.7 not on yet. WDNE still on 99.3.)	WFTR 95.4 VA Ft. Royal
	WVAF 99.9 WV Charleston
	WWWB 100.3 NC High Point.
	WTQR 104.3 MD Baltimore-Salem
	WKYC 104.3 VA Harrisonburg
	WBOP 106.3 VA Churchville, new station
	WFSP 107.7 WV Kingswood, new station

FROM GRANTSVILLE, MD: to top of next column.....

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

5/2 gw	6/14 Es
2021 KLSS 104.5 KS Augusta, wx, \$, r 105	0957 WGUF 92.7 FL Marco, ad
5/24 Es	1002 WSHE 103.5 FL Ft. Lauderdale, ID
1059 KUNR 88.7 NV Reno, ID, NPR 1280	1019 WCVU 94.5 FL Naples, "the Shore"
6/24 Es	1022 WZCR 99.3 FL Ft. Myers Beach, ad,cl r
0930 WRMB 89.3 FL Boynton Beach	1046 WPIK 102.5 FL Key West, k, ad 1225
0933 WMTX 95.7 FL Clearwater	1059 WMCU 89.7 FL Miami, ID 1255
0941 WHVE 102.5 FL Sarasota, ad	1355 WSKX 92.3 GA Hinesville, ad
0952 WAVV 101.1 FL Marco, "Wave 101", ad	1359 WLPT 88.3 GA Jesup
	1416 WKRY 93.5 FL Key West,ad, "Key 93.5"

Christopher S. Dunne, 21541 NW Ct. Box 81, Pembroke Pines, FL 33029-1085

Equip.: JVC RX302BK modified with 150 kHz filters, Archer 6-el. FM antenna at 20 ft.

5/2 Tr	5/8 First Es of '92
2257 WSYN 106.5 SC Georgetown,fullID 480	.....Thanks to John Stempick to alert me..
2300 WLOW 106.9 SC Bluffton, full ID 400	1210 CFMX 103.1 ON Cobourg, calls 1190
2308 WZAT 102.1 GA Savannah, concert promo	1222 WBUF 92.9 NY Buffalo, "MIX" 1100
	1229 CBO 91.5 ON Ottawa, "here in Ottawa" 1300
5/3 Tr	1233 WBEE 92.5 NY Rochester, calls 1140
0000 WNCM 88.1 FL Jacksonville, ID 300	also CILQ 107.1 ON Toronto, "Q-107"
0107 WOMX 105.1 FL Orlando, ID,	
O/WHQ	5/16 Es
.....MS activity on FM at this.....	0840 KRVL 94.3 TX Kerrville, sounded like Kerrville mentioned
.....time, but nothing over .4 seconds.....	0855 KLT 93.7 TX Houston, "K-Lite" + Sugarland (city) ment. 900
5/4 "Local-Killer" Tr	0901 KPAC 88.3 TX San Antonio, ID 1090
0235 WKA 92.3 FL Orlando, "K92", all O/WCMQ 180	0921 KDLK 94.3 TX Del Rio, "Del Rio's....Hot K-94 FM" 1225
0240 WXXL 106.7 FL Leesburg, "XL", O/WJQY 180	0928 KRTU 91.7 TX San Antonio
0240 WYGC 100.9 FL Gainesville, u/WHYI 250	6/8 Tr
	1601 WCOO 92.1 FL Immokalee, NEW freq., SS format; may be //WKY 92.5 but couldn't quite figure out. 65

Good Es so far, but not many skips past ch 3 MUF. Got a nice letter of reception from KDLK, and it seemed they were actually worried that someone 1225 mi. away would get them. Hey, I'm not a spy or anything; I'm just having fun! 73



# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NY 14221

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

## JULY 1992 DEADLINE: The 5th LOG CUTOFF: 2 months from when mailed

The skip season has started out pretty well for many reporters to this month's column. FM openings were noted to begin as early as May 5. The 7th, 8th, and 12th were also reported to have skip. The big opening so far has been Memorial Day: May 25 (The day before was also pretty good). Skip was on the FM for hours that day. If you heard that opening, or any other DX, we would like to hear from you! There was also a major Atlantic coastal opening in mid-May that affected areas as far inland as Western New York. I have taken the unIDs reported to this month's column and forwarded them to the CCI column because that is where they should be. PLEASE send unIDs there and not here. They don't belong here any more than a TV logging would. They are better off there anyway; people read that column to try and solve peoples' mysteries, not this one.

### MIKE BUGAJ - 69 SHERMAN RD - ENFIELD, CONNECTICUT 06082

Equipment: Sherwood AM-FM analog receiver with modified filters (110/150) and Probe 9 or Finc 10 element about 30 feet agl. New are underlined.

#### MAY 1992 DX

##### 5 Es

Briefly into FM from 1800-1820 with Iowa news on 92.1 but no ID. TV heavy into NE on 5 & 6.

##### 11 Au

1400 Heavy Aurora on most clear freqs. Audio heard on 99.7 (g) and had to aim N.E. to hear anything. No IDs.

##### 14 Tr

1900 CIME 99.5 PQ St. Adele, in FF. Rare

##### 15 Es

1830 found k on 92.1. Florida I think.

##### 17 Tr

0928 WVLT 92.1 NJ Bridgeton  
0936 WTHH 96.1 NJ Margate City, s. 'The Touch', good signal.

1910 WFAW 93.3 CT Danbury, Portuguese and later with Family Radio. Heard twice this month...only 18 watts!

2150 WMID 99.3 NJ Pleasantville, classic rock, nice not to hear WHMP.

##### 20 Tr

0708 WZNS 92.9 SC Dillon. "Who rocks the Carolinas like 2-93? That's a stupid question NOBODY!" Philly and Norfolk fair to good. Other strange stuff but only 10 minutes to DX STATE NUMBER 19 ON TROPO

##### 23 Es (Thanks to tip from Bill Nollman)

1729 WOOF 99.7 AL Dothan, ID  
1730 WMTM 93.9 GA Moultrie  
1746 WAAC 92.9 GA Valdosta, k  
1751 WDDG 92.1 GA Adel (this one on car)  
1753 WTVY 95.5 AL Dothan  
1758 WTRU 99.5 FL Jupiter, True-FM  
1800 WKSM 99.5 FL Ft. Walton Beach  
1812 WJST 94.5 FL Port St. Joe, k  
1822 WQEZ 106.3 GA Ft. Valley, 106-WQEZ

##### 24 Es

2055 KTGL 92.9 NE Beatrice, The Eagle  
2055 WOW 94.1 NE Omaha, k  
2100 KMZU 93.5 MO Tarkyo  
2101 KRXL 94.5 MO Kirksville  
2107 KMGO 98.7 IA Centerville  
2108 KMEM 96.7 MO Memphis, oldies?  
2123 KLTH 99.7 MO Kansas City, Lite 99.7  
2125 KPRS 103.3 MO Kansas City, Hot 103  
2142 KSJQ 92.7 MO Savannah, Q-Country

##### 24 GW

2230 WXO? 98.7 CT Hartford, oldies 98.7 on a tip by Ed Hanlon, clobbered by WRKS but fair with the antenna aimed SE.

##### 25 Es

1214 KJEF 92.9 LA Jennings, k  
1221 KWKH 94.5 LA Shreveport  
1223 KAFX 95.5 TX Diboll  
1225 WSVE 93.3 MS Houston Sunny 93 (Mike, note the call change-gc)  
1229 KTXB 89.7 TX Beaumont  
1233 KZMZ 96.9 LA Alexandria  
1237 KHLA 99.5 LA Lake Charles  
1241 KVDP 89.1 LA Dry Prong  
1247 KYKZ 96.1 LA Lake Charles, Kix 96  
1254 KRVV 100.1 LA Bastrop (Mike, note the call change and city of license-gc)  
1257 KCTO 103.1 LA Columbia  
1300 KJCS 103.3 TX Nachodoches  
1308 WWUN 101.7 MS Clarksdale  
1319 KTUX 98.9 TX Carthage, hot hits Tux 99  
1327 KKTU 96.1 TX Kigore, classic rock  
1333 KAMID 97.1 AR Camden  
1351 KHLT 94.1 AR Little Rock, K-Lite 94 FM  
1356 KSCS 96.3 TX Ft. Worth, k  
1359 KLUV 98.7 TX Dallas, oldies  
1359 KMEV 97.1 OK Muskogee  
1404 KOYN 93.9 TX Paris  
1421 KDGE 94.5 TX Gainesville, The Edge  
....and then a little later...

2024 WMC 99.7 TN Memphis, FM 100  
2035 KRXL 94.5 MO Kirksville, Classic Hits 94.5, 'The X'  
2038 KOLL 94.9 AR Pine Bluff, Kool 95  
2043 KGUS 97.5 AR Hot Springs, US-97 FM  
2044 WIBW 97.3 KS Topeka, 97 Country  
2045 KLSI 93.3 MO Kansas City, Mix 93  
2048 KABF 88.3 AR Little Rock  
2050 KHCD 89.5 KS Salina  
2058 KJTY 88.3 KS Topeka, g  
2137 KFDC 92.1 IA Fort Dodge

MIKES COMMENTS ARE ON THE NEXT PAGE

**98.7 KGR**  
GOURMET ROCK

NORTHERN FM DX

JULY 1992

### MIKE BUGAJ'S COMMENTS.

Well, winter, as usual, was excruciatingly slow for DX. My Carver TX-11 bit the dust in January and spent 4 months sitting on the shelf of repair shop "A" before I took it back from the guy and sent it to authorized service center "B" where it now sits on another shelf waiting to be fixed. Some times ya can't win. (I know what you mean Mike, my modified Pioneer TX9100 bit the dust a year ago, but no repair shop will touch it because it has been "monkeyed" with-gc). Also, the company I work for decided to phase out company cars and I had a chance to buy the one I was using, so I did and promptly took out the radio (VW Golf) and put in two 110 khz filters. Major improvement now. No problems now with the NYC area stations when trop is up. WLTV, Z100, WNCN, WCBS no trouble. During the May 23 Es had WAAC 92.9 in spite of local WHYN-93.1. This was my first car radio mod and proved easy. The hardest part was getting the set out of the car. Hope we have a great skip season this year!

### DAN OETTING - 22 CARRIAGE LANE - EXTON, PENNSYLVANIA 19341

Equipment: HK Citation 23, Yamaha T-70, Archer 20db booster and rabbit ears.

#### MAY 1992 DX

8 Es: 1st of the season. MUF 107.3+  
1100 WRMB 89.3 FL Boynton Beach, g, ID  
1106 WCMQ 92.3 FL Hialeah, SS  
1115 WZZR 92.7 FL Stuart, p  
1121 WOLZ 95.3 FL Fort Myers, oldies  
1130 WOVV 95.5 FL Fort Pierce, r  
1149 WMEQ 92.9 FL Ocala, bm, ad  
1157 WKTK 98.5 FL Crystal River, rm  
1200 WSEB 91.3 FL Englewood, ID  
1205 WYKA 92.3 FL Orlando, k, ad  
1207 WYGO 95.5 FL Silver Spring, o, "Go 95"  
1210 WQLM 92.9 FL Punta Gorda, mr, ad  
1220 WWRM 107.3 FL St. Petersburg, rm, ID  
1231 WRRQ 104.7 FL Tampa, r, "Tampa Bay's hit radio station", weather.  
1241 Es off FM  
15 GW  
1400 W300AD 107.9 PA Philadelphia, c, xltr for WWFM 89.1 Trenton, NJ  
17 Tr  
0025 WNTX 96.3 MA Nantucket, pr, "WMTV 92.7" rebroadcasting Tisbury? (I guess they swapped frequencies in an LMA-gc)  
0850 WHCN 105.9 CT Hartford, in well!  
0900 WTYD 100.9 CT New London, ad

#### 20 Tr phone tip by Steve West at 6:40AM

0645 WZNS 92.9 SC Dillon, rp  
0700 WRVS (89.9) NC Elizabeth City, ex 90.7  
0700 WJAZ 91.7 PA Summerdale, j, ID  
0727 WDIH 90.3 MD Salisbury, g, ID  
0742 WMYJ 106.5 MD Pocomoke City, r, ads "My 106.5" slogan  
0800 WRJA 88.1 SC Sumter, wx, on&off the air  
0805 WRVL 88.3 VA Lynchburg, g, ID  
25 Es (from Avalon, NJ) MUF 98.5+  
1258 WVEV 89.9 TN Memphis, ad for radio show  
1305 KARF 88.3 AR Little Rock, promn  
1306 KETR 88.9 TX Commerce, o, ID  
1310 KUAR 89.1 AR Little Rock, Arkansas news  
1330 KLRE 90.5 AR Little Rock, ID as KUAR 90.5 Little Rock. Why? (Maybe they and KUAR switched frequencies for some reason??-gc)  
1350 KBEZ 92.9 OK Tulsa, ID  
1352 KWEN 95.5 OK Tulsa, k, ad  
1400 KRAV 96.5 OK Tulsa, ID, rm  
1400 KOSU 91.7 OK Stillwater, ID  
1408 KSYN 92.5 MO Joplin, r, ads  
1457 Es off FM  
25 Es (back in Exton, PA) MUF 93.1  
2050 KKYA 93.1 SD Yankton, k, ID  
2059 KCOZ 90.5 MO Point L'Anout, wx for Ozarks", Radio College of the Ozarks" ex 91.7

Pretty nice start to E-skip season. The tropo duct to S.C. was a nice surprise too. Are the 88.1's in W. N.J. simulcast? I have a station that only calls itself New Jersey Network at 88.1. Berlin or Trenton? (Dan, I think it is Trenton but not positive. Send it to CCI-unID. Perhaps someone in NJ will know for sure-gc)

### CHARLES GAUTHIER - 3260 BEAULIEU - BROSSARD, QUEBEC CANADA J4V 2P7

Equipment: JVC RX-150BK receiver, modified with 2 150 khz filters. Lindsay bi-directional dipole at 20 feet above ground.

#### MAY 1992 DX

5 Es  
1810 KRAV 96.5 OK Tulsa, call 1359  
7 GW & Tr  
2156 WVVV 96.5 NY Malone, "Your country station 96.5 the new WVVV"  
2200C1RO 99.7 PQ Ste-Georges "La musique country" à son meillure 150

#### 25 Es

2015 WKTZ 90.9 FL Jacksonville, ID 1166  
2018 WJWF 100.1 MS Artesia, ID 1172  
2034 WAIA 93.3 GA St. Marys, 93AIA  
11232054 KZLE 93.1 AR Batesville, ID and Mix 93.1 1204  
2056 KJEZ 95.5 MO Poplar Bluff, local ads and Z95 1091  
2100 WMAO 90.9 MS Greenwood 1241 Good DXing!

(Ed: Charles mentions that he has been editing a new scanner column since January for the Canadian Intl. DX Club's "The Messenger". He enclosed a copy which included NWS info, which I will forward to NWS NEWS. To receive a free sample of the bulletin, write CIDX, 79 KIPPS STRFET, GREENFIELD PARK, QUEBEC CANADA J4V 3B1. Thanks for the sample column and information, Charles!-gc)

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

Pioneer TX 9800 (mod), Fisher FM-660 (mod w/Tim McVey's IF Circuit Board) GE Superadio (mod w/ a 110 filter) at work. Delco Digital Car Radio ( mod w/two 110 khz filters) Bolin phase box-Two Radio Shack 6 element FM only antennas on two separate rotors.

May 8 1992 ES MUF 107.7+1-At work in Clifton  
 1150 WMCZ 93.7 FL Ocala-lcl ments 926  
 1153 WMRM 107.3 FL St. Pete-Warm 107-lcl ments 1027  
 1203 WMEF 107.7 FL Mount Dora-lcl ments-wx etc 937  
 1204 WRSB 104.7 FL Tampa "Q-105"-lcl ments 1012  
 1207 WUSF 89.7 FL Tampa "Concert 90" wx 69 in Tampa  
 1209 WEJZ 96.1 FL Jacksonville "Lite 96.1" lcl 843  
 1216 WFFF 92.9 FL Ocala-Lcl ments 926  
 1225 WAPE 95.1 FL Jacksonville 843  
 1230 Approx Fadeouts.....  
 May 16 1992 Tr -In car in Lodi & Garfield  
 2330 WMRV 105.7-WMGS 92.9 + Long Island strong  
 May 17 1992 Tr  
 0300 -Long Island & CT Local strength on Car radio  
 0830 WPKX 102.9 MA Hyannis PH/O WDRG 184  
 0833 WRCN 103.9 NY Riverhead PH/O WFAS @ 22 mi! 77  
 0835 WCOO 106.1 MA Hyannis PH/O WBLI S-B! 184  
 0836 WHCN 105.9 CT Hartford PH/O lcl WMMK @ 12 mi 97  
 0842 WZLX 100.7 MA Boston PH/O WHUD S-B!! @ 30 mi 188  
 0854 WKPE 104.7 MA Orleans PH/O WSPK 223  
 0908 WQRC 99.9 MA Barnstable PH/O WEZN S-B!!! 207  
 0935 WQNJ 94.3 NJ Avalon PH/O WJLK S-B!!! 127  
 LONG WANTED!!  
 Boston was also in this morning also

May 20 1992 SUPER TROPO!  
 0600 WMMX 106.5 VA Richmond wx-lcl ments 294  
 0623 WFXN 99.7 NC Kannapolis ID lcl ments 512  
 0624 WZNS 92.9 SC Dillon ID-lcl ments 531  
 New personal trop record!  
 0646 WINC 92.5 VA Winchester ID + lcl ments 244  
 0650 WRDU 106.1 NC Raleigh PH/O WEGX @ 82 mi S-B 429  
 0700 WQML 95.7 NC Lumberton PH/O WFLN @ 82 mi S-B 508  
 0720-WTVR 98.1 VA Richmond PH/O WQGL @ 82 mi S-B 294  
 WMD 104.7 MD Hagerstown 207  
 WVAI 100.9 MD Humlock lcl strength 181  
 0726 WKOC 93.7 NC Elizabeth City PH/O WSTW S-B 336  
 0727 WYFI 99.7 VA Norfolk 313  
 May 23 1992 ES-MUF 100.9  
 1825 WPAP 92.5 FL Panama City ID 986  
 1830 WVFJ 93.3 GA Manchester ID 802  
 1836 WOLF 99.7 AL Dothan ID 918  
 1838 WPGA 100.9 GA Perry-ment Macon & Majic 101 789  
 1841 WTSK 97.7 ?? ?? Not in FM Atlas a LMA? ---  
 1843 WQOK 92.1 TN Hendersonville "Power Jams 920"  
 many ments of Nashville. Confirmed by  
 TV News Editor Doug Smith-Thnx! 745

May 24 1992 Trs  
 1243 WENU 101.7 NY Hudson Falls strong 169  
 1245-WRAV 94.5 NY Ravenna 112  
 1302 WMLT 100.9 NY Albany "K-Lite" lcl ments 124

May 25 1992 ES  
 0905 KRIS 92.1 TX Seabrook ID 1415  
 0919 KUHF 88.7 TX Houston o/lcl pests 1422  
 0947 KJEF 92.9 LA Jennings lcl ments ES Pest 1275  
 1151 KNVT 88.1 TX Denton ES Pest 1373  
 1200 KQKI 95.3 LA Bayou Vista ID 1236  
 1214 WMDL 97.3 LA Kaplan ID 1269  
 1215 WZPS 92.5 TX Dallas lcl ments 1373  
 1233 KZMZ 96.9 LA Alexandria lcl ments+wx-cast 1218  
 1236 KLTy 94.1 TX Dallas ID 1373  
 1248 WKZB 95.3 MS Drew "WZ-95, proud to be a part  
 of the Mississippi Delta"  
 Can anyone confirm this???

MAY 17 1992 TR  
 2120-0000+ SUPERDUCTING TO CAPE COD STRONGEST EVER!  
 2120 WCBT 101.9 MA Falmouth PH/O 12 mi LCL WOOD!! '188  
 2206 WFCC 107.5 MA Chatham PH/O 12 mi LCL WBLI!!! 223  
 2251 WQGN 105.5 CT Groton PH/O WJTV & WQHA "Q-105" 105  
 2300 WNTX 96.3 MA Nantucket PH/O 12 mi WQXR!!! 212  
 ID-s with WMY 92.7 Tisbury-was playing new age  
 2314 WVEV 102.3 CT Stonington PH/O WBAW S-B!!! 120  
 2315 WXTK 94.9 MA W.Yamouth ex WOCB lcl strength!213  
 2316 Hiss on 100.3,101.1,Also again WPKX,WCOO,WKPE,WQRC  
 WRCN, WJFD,WCTK-Very Narrow duct-Very little Boston  
 and very little Providence

PH/O-Phased Over S-B-Same Bearing as W---  
 Mileages from Fred Nordquist's distance readouts  
 Comments: The Season kicks off with a surprise E-Skip  
 and a Half Decent trop opening! I am in shock that I  
 was able to get through THREE NYC Locals via phasing!  
 With the flick of the knob (s) on the phase box-long  
 wanted and "impossible" DX comes in with almost ease  
 and those who seriously DX FM should have a phase box!  
 May 17 1992 was one of the better trop openings in  
 a while & the Best for Cape Cod. Gooding Bill

May 25 1992 ES  
 1249 WDLJ 96.9 MS Indianola "K-96" Indianola-lcl 1044  
 1300 Had to leave, but Dxed in car on mod Delco  
 1300+WAMS 105.3 ?? Nothing checks out-a LMA? Urban mx  
 KKYR 102.5 TX Texarkana ID 1211  
 WPC 99.7 TN Memphis FM-100 953  
 MUF 107.9 noted Many many UNIDS  
 1344 Back home  
 1346 KETR 88.9 TX Commerce ID 1149  
 1418 KTL5 93.3 OK Ada ID 1301  
 1422 KBZE 92.9 OK Tulsa lcl ments 1225  
 1427 KQNG 92.5 OK OKCity call SFM editor to tell 1325  
 his locals were coming in here on skip  
 2020 KWYN 92.5 AR Winn ID freq change per Joe Feia 986  
 2021 WQNN 95.1 TN Dresden ID as WQNN-Rich noted change  
 in the FM Media 851  
 2026 WQW 94.1 NE Omaha ID 1137  
 2030 KBEL 96.7 OK Idabel ID 1235  
 2035 KEFM 96.1 NE Omaha Lite 96-lcl 1137  
 2036 KZOX 96.9 NE Lincoln ID 1199  
 2037 KOKO 98.5 IA Council Bluffs "Sweet 98" lcl  
 ments-Ph # 342-9898 in for a while 1132  
 2053 KRLS 92.1 IA Knoxville ID as KNIA & KRLS 988  
 2059 KLUZ 95.1 NE Lincoln ID 1180  
 2100 KGGG 94.9 IA Des Moines ID very strong 1014  
 2104 KDYN 96.7 AR Ozark ID 1133  
 2113 KTCS 99.9 AR Fort Smith ID 1166

Mileages from Fred Nordquist's DX readouts  
 PH/O-Phased Over S-B Same bearing  
 Super Tropo & Massive amounts of E-skip in  
 May, a seasons worth of E-Skip almost a few  
 days. May 20 was the best trop yet, distance  
 wise and May 25th ranks up there in the top  
 10 E-Skip openings of all time, almost good  
 enough for a grand tour status! I Missed the  
 May 24 ES to IA & NE-the 25th made up for it.  
 Again phasing helped with the DX.  
 As I write this, May is not over with yet!

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

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

MAY 1992 DX  
 12 E-skip  
 1300 KYPW 88.3 KS Wichita, ID, g\$ 1055  
 1347 KQMA 92.5 KS Phillipsburg, call \$  
 "livestock report" 1101  
 14 tropo  
 1422 KILI 90.1 SD Porcupine, call, lcl nx 1191  
 0749 WHCM 99.1 WV Parkersburg, lcl sports  
 "power country-99" 299  
 19 tropo  
 0035 (WCOL) 92.3 OH Columbus, call + 'continu-  
 ous oldies' prev WXGT & WCOL 311  
 24 E-skip  
 2126 KGBX 105.9 MO Nixa, call, r\$ 874  
 2144 KMOD 97.5 OK Tulsa, call, r\$ 1041  
 25 E-skip  
 1100 WJSU 88.5 MS Jackson, ID, j\$ 975  
 1201 WRBH 88.3 LA New Orleans, call, t\$ 1105  
 1252 WYDH 105.9 AL Atmore, call+ the new "Y-  
 105.9" r\$ 961

MAY 25, 1992 E-skip DX continued  
 1254 WGIJ 105.9 MS Pascagoula, call +  
 "GOOD-106", k\$ 1031  
 1301 WZRH 106.1 MS Picaidy-northshore-New  
 Orleans (LA), ID + "Z-106.1", r\$ 1064  
 1400 WINS 92.1 MS Yazoo City, ID +  
 "Star-92", k\$ 955  
 1406 KEDI 102.3 TX Center, ID, B\$5  
 (Houston Astros) 1155  
 1416 KJNA 99.3 LA Jena, call, k\$ 1080  
 1420 KRRV 100.3 LA Alexandria, "K-double RV"  
 k \$ 1112  
 2020 WNOE 101.1 LA New Orleans, call 1105  
 over CKEY Fort Erie  
 2041 WYNK 101.5 LA Baton Rouge, call, k\$ 1117  
 2043 (WTGE) 100.7 LA Baton Rouge, 100.7 "The  
 Tiger", r\$, prev WQXY 1117  
 2148 KSRQ 90.1 MN Thief River Falls,  
 call, rp\$ 925  
 2202 KMPR 88.9 ND Minot, call, j\$ 1159

Well, May is over and it turned out to be a good month for skip. Thanks Greg for phoning me about WNOE New Orleans being in. It was just one of those stations whose ID would escape you when the band was open to that area. I think every DXer has a few of them. You know what they are but you seem to miss the ID Dave

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

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

MAY 1992 DX  
 3 tropo & scatter  
 0954 WCTL 106.3 PA Union City, call + "lite-106.3,  
 g\$ WQRM Smethport, PA  
 off the air 72  
 1015 WSVS 104.7 VA Crewe, call, k\$ 341  
 1300 WYFI 99.7 VA Norfolk, ID, g\$ 388  
 1355 WPOC 93.1 MD Baltimore, call, k\$ 212  
 1402 (WBYN) 107.5 PA Boyertown, call, g\$ 188  
 prev WYCL  
 10 troposcatter  
 1326 CKQT 94.9 ON Oshawa, call, b\$ 132  
 over WHKS Port Allegany, PA  
 1400 WSOQ 91.9 NY Oneonta-Cooperstown, ID  
 with WSKG family of stations, NPR \$ 176  
 17 tropo & scatter  
 1100 WQKX 94.1 PA Sunbury, ID, r\$ 118  
 over CBL Toronto, ON

MAY 1992 DX  
 17 tropo & scatter continued  
 1230 WTLR 89.9 PA State College, call, g\$ 90  
 over WFBF Buffalo, NY  
 1300 WDAC 94.5 PA Lancaster, ID, g\$ 177  
 over WNEB Buffalo, NY  
 1319 CBON17 95.1 ON North Bay, FF tM 301  
 1400 WQCB 96.1 PA Red Lion, ID, G4  
 over WJYE Buffalo, NY 176  
 1458 WHCM 99.1 WV Parkersburg, ID + "power  
 country-99", k \$ 248  
 23 tropo & scatter  
 1157 WFGM 97.9 WV Fairmont, call + "Great-98"  
 r\$, 196  
 1300 WYFI 99.7 VA Norfolk, ID, g\$ 388  
 1346 WBNJ 105.5 NJ Cape May Court House  
 call, m\$ 279

I'm still looking for another FM tuner since the Technics ST-8080 isn't working out too well. It seem to lack the sensitivity needed for good troposcatter. The selectivity isn't the best even with some 110 kHz IF filters installed. Anymore 110 kHz filters and the sensitivity drops even more. I think the Carver TX-11 tuner will make the trip down with me the next time. Dave

STATION NEWS: KKLV Anchorage becomes satellite country KBRJ, "K-Bear". KZZO in Clovis, New Mexico is reportedly silent. In St.Louis, KRJY 96.3 switches to oldies, "Jukebox 96". KXKW-FM 107.7 Erath-Lafayette, La. is simulcasting news-talk AM KPEL. Back to Alaska, KAYY Fairbanks becomes adult rock & roll KAKQ, Q-101.1. Another station to switch to that format is WSKZ 106.5 Chattanooga, no longer "KZ106". WOHT Jackson goes to a soft top 40 format and WKQB calls: "B 95.5". Family radio station WEFB 88.1 in Erie, Pa. is on the air. Also new to the air is WSOQ 91.7 Oneonta, NY, as a relay of WSKG 89.3 Binghamton. 94.7 in Reno is now KIZS and "Kiss Country 94.7", country mx.



APRIL 1992 DX	
0730 KFXB 105.7 MO St. Genevieve, The Fox	370
0735 KMOD 97.5 OK Tulsa	350
0739 KEGS 101.7 KS Emporia	195
0740 KLTH 99.7 MO Kansas City, Light	99.7 167
MAY 1992 DX	
0717 WKQB 106.5 IL Granite City, Q-106.5	358
0730 WSOY 102.9 IL Decatur, Y-103	400
0741 KYKY 98.1 MO St. Louis, Y-98	358
1106 KRZZ 96.3 KS Derby	262
1738 KONE 90.3 NE Bassett, NE Pub. R.	202
10 AD (K index 8, A index 99) 0830-1000 High noise	
1907 KQSD 91.9 SD Lowry, SD Public R.	338
2106 KPHR 104.3 SD Milbank, \$ Power 104	278
2107 KJAM 103.1 SD Madison, \$k	200
2116 KBRK 93.7 SD Brookings, \$ B-93.7	218
2119 KSDR 92.9 SD Watertown, \$k KS-93	260
2133 KKNP 103.5 NE North Platte, k	245
2146 KQAA 94.9 SD Aberdeen, \$o Cool 95	318
2200 KNSR 88.9 MN Collegeville	314
2226 KUOO 103.9 IA Spirit Lake, \$	161
2231 WFPC 95.5 WI Wausau, \$ Hot FM	415
2237 KEKY 102.1 MN St Paul, \$k	298
2243 WCCN 107.5 WI Neillsville, \$or	360
2245 KQOL 107.9 MN Minneapolis, \$Cool 108	297
2300 KKQQ 102.3 SD Volga, \$ Power 102	219
0652 KCHI 103.9 MO Chillicothe	164
2059 KVCX 101.5 SD Gregory, \$g	222
2105 KIIS 98.7 MN Pipestone, \$r	190
2124 KLOL 101.1 MN Luverne, \$k	168
2120-2300 Many SD, similar to 5/18	
24 Es (1945-2112 MUF 107.9)	
1947 WNHU 88.7 CT W. Haven, Your Under-ground Station	1200
1954 WZMX 93.7 CT Hartford, \$ New Mix 93.7	1210
1958 WFME 94.7 NJ Newark, g	1142
2000 WMJC 94.3 NY Smithtown, Magic 94	1190
WMJC is a new call.	
2001 WNTI 91.9 NJ Hackettstown, \$	1106

I missed most of the tropo on the mornings of 4/30 and 5/1 due to school. I did make up for it by catching the great E-skip on 5/24 and 5/25. There were strong openings on TV on May 5, 8, 9, 12, 23-25, and 29-31. The weather has been very cool and rainy, so tropo has been slow lately. The biggest news now is that school is out, and I'll have plenty of DX time over the next 3 months. Also, I've been thinking about stagger stacking the FM-10's, or make a FM-13, or something to improve the antenna set-up. 73's

ED HANLON - 165 SOUTH ROAD - BOLTON, CONNECTICUT 06043

Equipment: Magnum Dynalab Etude w/110, 150 & 180 filters, Signal Sleuth 205, MR78 (Modafari mod), 269" log periodic with 5 directors, RG6

MAY 1992 DX	
0830 WZVG 97.3 CT Litchfield (new station)	
1929 WSKQ 97.9 NY New York, nulled out local WPKX with new antenna	
0816 WMYN 97.3 NY Schoharie	
2005 KTGL 92.9 NE Beatrice	
2020 WAAG 94.9 IL Galesburg	

MAY 24 Es cont.	
2031 KCMO 94.9 MO Kansas City	
2034 KMZU 100.7 MO Carroton	
2050 WXXQ 98.5 IL Freeport	
2101 KBKB 101.7 IA Fort Madison	
1220 CBF 100.7 PQ Montreal	
1314 WZID 95.7 NH Manchester, local WKSS	

was down  
 ED'S COMMENTS ARE ON THE NEXT PAGE.

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080  
 Equipment - McIntosh MR-78 tuner/stacked Stereo Probe 9s + a single Stereo Probe 9, on rotors, at 40 ft., Bolin phase box.

APRIL 1992		MAY 1992	
15 Tr		25 Es	
2028 {WXNJ}94.3 NJ Avalon, call, o, ex-WWOC	102	0929 KLSA 90.7 LA Alexandria, ID	1194
0810 WMJV 105.5 NY Patterson, "Magic 105"	76	0938 KVET 98.1 TX Austin, k, ads, call	1494
0823 WMJX 106.7 MA Boston, "Magic 106.7", equal to local WLTW w/phasing with antenna pointed at WLTW	211	0942 KASE 100.7 TX Austin, same ad for Apple Dodge hrd. on KVET minutes earlier.	
2322 WFCC 107.5 MA Chatham, classical, ID	242	0953 {KHFI}96.7 TX Georgetown, nx, legal ID w/Georgetown whispered, r	1494
0002 WNTX 96.3 MA Nantucket, ending classical mx prgm., full WMVY/WNTX s/off, pause, and then hard r.	230	0959 WNO 89.9 LA New Orleans, ID, c, o/local WKCR.	1147
0645 WRFK 99.7 NC Kannapolis, "Charlotte's Fox", call, r	487	1000 KJEF 92.9 LA Jennings, ID, NBC nx	1252
0647 WZNS 92.9 SC Dillon, "Z-93", r	504	1001 KRFS 92.1 TX Seabrook, c, "k-Arts"	1392
0649 WKML 95.7 NC Lumberton, call, k, nx	475	1024 KTFK 92.5 TX Groves, EBS test, ID, promo	1317
0657 WQSM 98.1 NC Fayetteville, o, "Q-98" + call, legal ID	453	1037 KIIT 93.7 LA Shreveport, call, r	1208
0727 WRXL 102.1 VA Richmond, "XL-102"	264	1042 KVKI 96.5 LA Shreveport, call + "Light Rock 96.5"	1208
0731 WQZK 94.1 WV Keyser, "Q-94" + call, r		1107 KRVS 88.7 LA Lafayette, call, j	1221
1828 WOOF 99.7 AL Dothan, "Woof-FM"	890	1229 KSCS 96.3 TX Ft. Worth, wx, call, k	1368
1830 {WDJR}96.9 AL Enterprise, call, k, Ex: WIRB/WLHQ	904	1253 KXKZ 107.5 LA Ruston, call + "Kicks-107.5", promo, o/local WBLS	1155
1838 WPGA 100.9 GA Perry, "Magic 101", mention of Macon	762	1259 KTUX 98.9 TX Carthage, legal ID, "Tux 99", r	1251
1852 WPAP 92.5 FL Panama City, call, wx	931	1300 KWEH 97.1 AR Camden, KAMD-KWEH ID, Mutual and lcl nx, o/WQHT	1124
2055 {KIOA}93.3 IA Des Moines, call, o Ex: KMKG/KDWZ	990	1326 KOAI 106.1 TX Denton, "The Oasis"	
2100 KQWC 95.7 IA Webster City, full ID	1011	1336 KEGE 97.1 TX Ft. Worth, call + "The Eagle", r, o/WQHT	1368
2108 WMT 96.5 IA Cedar Rapids, ending American Gold, ID	899	1346 KOYN 93.9 TX Paris, "Coin 94"	
2124 KBOE 104.9 IA Oskaloosa, call, ad	952	1404 KKAJ 95.7 OK Ardmore, call, light k	1323
2131 KDLS 101.7 IA Perry, call, wx Heard previously on 104.9	1023	1430 KCMA 92.1 OK Broken Arrow, call, c	1200
2134 KRNO 102.5 IA Des Moines, "Q-102" + call, r	1001	1437 KOKF 90.9 OK Edmond, cont. Christian, call, looking for \$\$	1299
2148 KNEN 94.7 NE Norfolk, ad, thru WFME		2018 KWYN 92.5 AR Wynne, ID	965
2200 KWMG 93.5 NE Columbus, r, legal ID, seemed to indicate new power (95 Kw?)	1198	2037 KIOA 93.3 IA Des Moines, call, o	990
2201 WOI 90.1 IA Ames, ID, classical	1001	2048 {KCJC}100.9 AR Russellville, call, k, Ex: KAIO	1083

COMMENTS: Whenever possible, transmitter coordinates have been used in calculating distances. Unfortunately, the Broadcasting Yearbook is not 100% complete in this category - and whatever they missed in 1991 is also lacking in the 1992 edition. Of the 19 new stations added, 13 could not have been added without phasing, and two more may or may not have been heard without phasing. Phasing also saves a lot of wear and tear on the rotors. I found myself directing the antennas in the general direction of the skip and using phasing to get the DX station rather than trying to find the right spot to aim the antenna. The WMJX/WFCC/WNTX receptions were made aiming the antennas directly into the locals which are about 20 miles away. The WMJV-105.5 reception is only the third time I've heard this station and the only time it was heard clearly. With phasing, I expect to hear it fairly regularly. I cannot phase-out most locals deeply (and a few have failed to phase at all), but I can get good enough results to allow some of the stronger DX signals to penetrate. Some stations with a lot of multi-path in their signal (e.g. WHTG-106.3 and WFPG-96.9) also give me some problems. NRCR Dave Schmidt tells me that WZNS-92.9 is operating with about 60 kw. to those who recently heard it. He also said there is a rumor that WXJN-105.9 Lewes, DE would go on the air 5/30 but I don't know if it did. 73.

WILLIAM R. HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON L6Y 4T7

Equipment: modified JUC R-X330U w/attic dipoles

**MARCH 1992**  
 (EST)  
4 Tr  
 1400 WMCB 88.5 PA Erie 117  
29 Tr  
 1831 CKLP 103.3 ON Parry Sound 111  
 (w/CBC network, 20 db)  
**APRIL 1992**  
2 Tr  
 2148 WKQI 95.5 MI Detroit 215  
 (ex-WCZY)  
 (EST)  
7 Tr  
 0306 WMAX 106.7 NY Irondequoit-Rochester 113  
7 GW  
 1702 CKRZ 100.3 ON Oshweken (NEW STATION) 53  
19 Tr  
 2240 CJRQ 92.7 ON Sudbury 210

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

(201) 586-3563, Beeper for DX: (201) 955-4256

Equipment: Realistic STA2280 with 7 110 filters (see McVey article, Nov. 1990), Channel Master 20 Element TV 45' AGL. Phased with two Radio Shack FM Outdoor Antennas stacked 7 feet apart 30' AGL and an Archer FM-TV-UHF indoor portable amplified antenna phased thru 3 variable attenuators, two "capacitors in a box" and a Radio Shack "Variable Interference Eliminator". Both outdoor antennas are run through Radio Shack mast mounted amps. (In car: Kenwood KRC-430, with 2 110 khz filters).

**APRIL 1992 DX**

11 Trs  
 1058 WDBA 107.3 PA DuBois, ID, near Giants Stadium, Rutherford, NJ within view of Empire State and World Trade Center 5 miles away  
12 Trs  
 1320 WRHP 107.9 NY Syracuse, muzak behind WEBE (who is now Mix 108), calls in promo  
 2237 WYRK 106.5 NY Buffalo, low of 18. ID  
13 MS  
 1523 WWIS 99.7 WI Black River Falls, "...WIS FM 99.7, AM 1260". MS relog  
17 Trs  
 0100 WRCY 107.7 VA Warrenton, "WRCY Warren ton", another illegible town in ID  
 0113 WEZO 107.7 NY Wethersfield, "1:13 at EZ 107", not EZ 107.7, Heard in car another night in Fairfield. Never knew WSNJ went off at 12.  
19 Trs  
 1705 WNNT 100.9 VA Warsaw, Tappahannock ad  
20 Trs  
 2357 WXTR 104.1 MD LaPlata, Xtra 104  
21 Trs  
 0100 WESM 91.3 MD Princess Anne, ID  
 1612 WGRG 101.7 NY Owego, "on...street in Binghamton"  
 1749 WKLL 94.9 NY Frankfort, "94.9 K-Rock" Heard in Ogdensburg NJ (Yep it's them Rich-gc)  
 2008 WRQX 107.3 DC Washington, Heard in Englewood, 1.5 miles to Geo. Washington bridge  
28 Trs  
 0159 WERW 88.1 NY Webster, ID Family Radio USA Radio news. In/out w/WRGN Sweet Vly.  
29 Tr  
 2300 WPLR 99.1 CT New Haven, o/local WAWZ. WHCH Hartford also over local WNWK.  
 2331 {WXNJ} 94.3 NJ Avalon, "Extra 94.3" with greaser oldies.

**MAY 1992**  
25 Es  
 2022 WMM 93.9 GA Moultrie 895  
 2051 WZBA 104.9 MS Moss Point-Mobile AL 1030  
 2044 WKNN 99.1 MS Pascagoula-Biloxi-Gpt-Mob AL 1035  
 (55 db 1)  
 2052 -MUF 107.3-  
 2055 KQLD 106.7 LA Port Sulphur-New Orleans I  
 (Oldies-106.7, 45 db)  
 2102 unid 106.7 .. Hits-106.7 I  
 2138 unid 94.3 MN .. w/MN PSA I  
 2152 KLLZ 99.1 MN Walker-Bemidji-Park Rapids 780

**APRIL 29 Tr cont**

2344 WJMJ 88.9 CT Hartford, "Your ecumenical radio station"  
30 Tr  
 0000 Boston 105.7, 98.5, 90.9, 89.7 in No WCRB at all. Are they off the air?  
 0030 WPKN 89.5 CT Bridgeport, o/local WSOU  
 0105 WWHB 107.1 NY Hampton Bays, // WNEW-FM, weak. WZVU/WXPS makes this channel hard.  
**MAY 1992 DX**  
6 Trs  
 1712 WEZG 100.9 NY North Syracuse, Lite 101, heard in Ogdensburg NJ in Sussex co, a great location for DX  
 1723 WHOM 94.9 NH Mt. Washington, PSA  
7 Trs  
 1313 WRCK 107.3 NY Utica, ID in Parsippany  
8 Es  
 1200 WWRM 107.3 FL St.Petersburg, lame "Tampa Bay's Warm 107"  
 1203 WRBO 104.7 FL Tampa, Q105 ID  
 1210 WCWB 101.7 FL Trenton, Ad for Harry Realty 542-7835. Call to them indicated they advertise on WCWB, who now IDs as "River Country 101.7FM"  
 1212 WMGFt 107.7 FL Mt.Dora, lame disappearing at same time as WWRM (above)  
 1214 WHVE 102.5 FL Sarasota, local ad  
 1220 WKTK 98.5 FL Crystal River, "KTK Thousand Dollar Thursday"  
 1223 WMTX 95.7 FL Clearwater, WFTS-28 ad  
 1229 WYUU 92.5 FL Safety Harbor, Oldies relog  
 1231 WYNE 94.9 FL Tampa, Rolling Stones and heavy metal mixed w/unidentified country stn which could have been Tallahassee.  
 1240 WXCV 95.3 FL Homosassa Sps, "A Crystal River man was arrested"  
 1250 WJIS 88.1 FL Bradenton, religion  
**MORE OF RICH'S DX IS ON THE NEXT PAGE!**

RICHARD SHAFTAN'S REPORT continues.

**MAY 1992 DX**

17 Tr  
 2142 WCIB 101.9 MA Falmouth, Bruins hockey thru local WQCD New York.  
 2359 WPXC 102.9 MA Hyannis, "Nobody plays more classic rock than Pixy 103"  
20 Tr  
 0630 WZNS 92.9 SC Dillon, Z93, new state  
 0635 WZBH 93.5 DE Georgetown, 93.5 The Beach  
 0640 WZFX 99.7 NC Kannapolis, ad // Bill N.  
 0645 WDCG 105.1 NC Raleigh, G-105 ID  
 0650 WSVS 104.7 VA Crewe, "Southside's Best Country" relog  
 0655 WKML 95.7 NC Lumberton, calls, and country. In till at least 0930.  
 0701 WINC 92.5 VA Winchester, local ad  
 0705 WMDM 97.7 MD Lexington Park, "southern MD forecast" and Lexington Park mention  
 0720 WKOC 93.7 NC Elizabeth City, could not get the parallel on 94.1  
 0740 WRKZ 106.7 PA Hershey, Z107 thru WLTW  
 0800 WHTK 99.7 SC Port Royal, "With 100,000 watts of power, WHTK Port Royal-Savannah". 650 mile record trop. Wow. (Nice catch Rich!-gc)  
 0810 WSBY 98.9 MD Salisbury, Y-99 was looking for something better  
 0815 WASH? 97.1 DC Washington, lame thru local  
 0824 WMRA 90.7 VA Harrisonburg, NPR and ID  
 0827 WJTL 90.3 PA Lancaster, ID  
 0836 WFSI 107.9 MD Annapolis, religion while trying for WBT-FM.  
 0838 WYCL 107.5 PA Boyertown, over WBLs. Locals WCBs, WHTZ wiped out by Philly  
 0840 WMXN 105.3 VA Norfolk, Mix 105, other Norfolk's on 92.9, 95.7, and 100.5 also in.  
 0845 WBSB 104.3 MD Baltimore, Variety 104.3  
 0850 WXYV 102.7 MD Baltimore, soul on top of local WNEF-FM with phasing  
 0855 WJMH 102.1 NC Reidsville, Thru WIOQ lame soul. "The Jams"  
 0930 WFLS 93.3 VA Fredericksburg, ID thru WMMR, out at 1000.  
23 Es  
 1825 WPAP 92.5 FL Panama City, ID  
 1828 WESY 98.5 FL Panama City, Sunny 98.5 ID  
 1831 WOOF 99.7 AL Dothan, lame 99.7 Wool FM  
 1840 WPCFt 100.1 FL Panama City, probably the one here with religious music  
 FM Totals: 706 stations, 32 states, and DC, 4 provinces 3 countries Note: WVRV Valhalla NY 88.1 signs on at 0956 on Sundays.

BOB SMOLAREK - 156 OLDWICK RD - WHITEHOUSE STN, NEW JERSEY 08889

Equipment: McIntosh MR78, Carver TX-11, Stereo Probe 9

**APRIL 1992 DX**

19 Trs  
 0130 WIYQ 99.1 PA Ebsenburg, o, WAWZ off  
29 Tr  
 2320 WWNJ 91.1 NJ Dover Twp, c, // WWFM 89  
**MAY 1992 DX**  
8 Es-heard in Bridgewater, NJ in car!  
 1200 WCTQ 92.1 FL Venice, k  
 1205 WPCY 97.5 FL Winter Haven, k  
 1215 WJXB 92.1 FL Macclenny, k  
 1220 WLQH 97.3 FL Chiefland, k

**MAY 25 Es**

0905 KRTS 92.1 TX Seabrook, classical // Bill N.  
 0920 KKBQ 92.9 TX Pasadena, "Houston's New 92.9 Soft Country Hits"  
 0946 KJFE 92.9 LA Jennings, local ad  
 0949 KKZN 93.7 LA New Iberia, "Z 93.7" with Crosby, Stills, and Nash and Young  
 1059 KRVS 88.7 LA Lafayette, ID with Lake Charles, I think they were referring to the repeater  
 1200 KOAI 89.1 AR Little Rock, classical, KOAI Little Rock. A service of the Little Rock School District" Call Change? (I think so. Someone else reported 90.5 in L.Rock now using KUAR, the old calls on 89.1, so something's up-gc)  
 1209 KAJN 102.9 LA Crowley, probably the one Bill N and I heard here. Too strong for Syracuse.  
 1230 KVTT 91.7 TX Dallas, religion // Bob S.  
 1236 KZPS 92.5 TX Dallas, w/Lynard Skynard  
 1300 KGLY 91.3 TX Tyler, religion, wx. ID  
 1400 KOKF 90.9 OK Edmond, ID as 91-FM with Christian program, call in show #800-545-18191405  
 KKNQ 92.5 OK Oklahoma City, Mix 92.5  
 1600 WAMU 88.5 DC Washington, strong with blugrass over WXPB and WEDW. A first since those two clogged up that channel.  
 1630 WEEA 88.9 MD Baltimore, "Northern St. University Radio, WEEA" with promotions and mucho IDs. Trop out to central PA and south to Delmarva. Boston 89.7, Binghamton 89.3 too.  
 2025 KWYN 92.5 AR Wynne, Thru WXTU // Bill  
 2031 KROA 95.7 NE Grand Island, only possible for religion here thru above UNID and WFLN.  
 2034 KOKO 98.5 IA Council Bluffs, local ad for Mickey Finns, and ID as Sweet 98.  
 2036 KZKX 96.9 NE Seward, Lincoln's k, Kix 96"  
 2039 KOAK 95.3 IA Red Oak, "Your favorite music is on KOAK"  
 2045 KNCY 97.7 NE Nebraska City, 55 degrees in downtown Nebraska City  
 2050 KCJC 100.9 AR Russellville, calls, country  
 2055 WLLR 101.3 IL E.Moline, ad for Bandits playing in downtown Galesburg and the Miss. Vally Fair in Davenport.  
 2103 KFGQ 99.3 IA Boone, believe this is the one with religious programming thru elimination.  
 2116 KIOA 93.3 IA Des Moines, "All oldies, all the time". Bob S. says this is KIOA.  
 2120 KWMG 93.5 NE Columbus, // 93.7 unID. Bob says this is KWMG but can't figure the 93.7 either (Two stations with same satellite feed maybe?-gc)

## BOB SMOLAREK'S REPORT continues.

## May 20- Super tropo!!

0615 WRFK 99.7 NC Kannapolis, rp  
 0620 WZNS 92.9 SC Dillon, rp  
 0725 WBQB 101.5 VA Fredericksburg, r  
 0745 WQSM 98.1 NC Fayetteville, r  
 0747 WKML 95.7 NC Lumberton, k  
**23 Es**  
 1835 WTNT 94.9 FL Tallahassee, k  
 1837 WRBA 95.9 FL Springfield, r  
 1840 WOOF 99.7 AL Dothan, r  
**24 Es**  
 2038 KUFL 92.1 IA Ft. Dodge, o, Cool 92  
 2043 KTPB 91.1 IA Fort Dodge  
 2045 KRNA 94.9 IA Iowa City, r  
 2047 KQWC 95.7 IA Webster City, k, last heard in 1985 on 95.9  
 2050 KKEZ 94.5 IA Fort Dodge, r  
 2058 KDMI 97.3 IA Des Moines, g, Mono  
 2100 KBBG 88.1 IA Waterloo, s  
 2100 KIDA 92.9 IA Ida Grove, ex 92.7  
 2108 WMT 96.5 IA Cedar Rapids, r  
 2108 KRLS 92.1 IA Knoxville  
 2114 KXKT 103.7 IA Atlantic, r, The Cat  
 2115 WLLR 101.3 IL East Moline, k  
 2117 KSUX 105.7 NE Winnebago, k, K-Sioux  
 2119 KDLS 101.7 IA Perry, r  
 2122 WGLC 100.1 IL Mendota  
 2125 KWMG 93.5 NE Columbus, rp  
 2126 KGGO 94.9 IA Des Moines, rp  
 2135 KIOA 93.3 IA Des Moines, o  
 2140 KQKQ 98.5 IA Council Bluffs, r, Sweet 98  
 2152 KIWR 89.7 IA Council Bluffs

May 92 will go down as one of the great DX months. I added 31 new ones in the month. It was a "memorable" Memorial Day weekend!

JIM RENFREW - 61 WILCOX ST - ROCHESTER, NEW YORK 14607 (716) 461-2717

Equipment: JVC auto radio

## APRIL 1992 DX (EDT)

**9 Tr**  
 1423 WFLS 93.3 VA Fredericksburg, k, ID, ads STATE #15  
 1450 WPGC 95.5 MD Morningside, ID, STATE #16  
 1508 CITE 107.3 PQ Montreal, burst of French  
 1740 WAMO 105.9 PA Pittsburgh, local theatre ad  
**14 GW**  
 2058 TIS 91.9 NY West Hill, home sales tape loop from Roberts Wesleyan College, flea powered, heard in immediate vicinity  
**29 GW**  
 1605 WNYO 88.9 NY Oswego, pr, ID  
**30 Tr**  
 1600 WNWV 107.3 NY Elyria, The New 107.3 WNWV  
 1602 WREO 97.1 OH Ashtabula, "temp in Erie"  
**MAY 1992 DX**  
**7 Tr**  
 1259 WKSU 89.7 OH Kent, c, ID under WNJA & WEOS with WTR off the air  
 1403 WDSO 94.7 DE Dover, k, popping in for an hour, finally an ID, STATE #17

## MAY 25 Es

0924 KRTS 92.1 TX Seabrook, c  
 0933 KJEF 92.9 LA Jennings, k, ex: 92.7 (Boy, everyone is leaving 92.7 it seems-gc)  
 1230 KVTT 91.7 TX Dallas, g  
 1243 KGRM 91.5 LA Grambling, s  
 1331 KOLL 94.9 AR Maumelle, o  
 1332 KODZ 94.9 AR Arlington, o  
 2028 KTOD 92.7 AR Conway, k  
 2030 KOYN 93.9 TX Paris, k, Coin-94  
 2039 KQKQ 98.5 IA Council Bluffs, r, Sweet 98  
 2045 KJJY 92.5 IA Ankeny, k  
 2054 KWMG 93.5 NE Columbus  
 2057 KIDA 92.9 IA Ida Grove, r  
 2058 KLYR 92.7 AR Clarksville, k  
 2105 KTLS 93.3 OK Ada, r  
 2107 KADA 96.7 OK Ada  
**26 Es**  
 1930 WJIS 88.1 FL Bradenton, g  
 1938 WCTQ 92.1 FL Venice, k  
 1941 WQLM 92.9 FL Punta Gorda, r  
 1951 WCIE 91.1 FL Lakeland, g

**WVAQ**  
**FM/102**

## MAY 8 E-skip

1101 KIOA 93.3 IA Des Moines, legal ID, possibly TrS, STATE #18  
 1137 WOVY 95.5 FL Fort Pierce, r, ID/local ads  
 1138 WXDJ 95.7 FL Homestead, salsa music, Miami ads in Spanish  
 1155 WKLG 102.1 FL Rock Harbor, k, ID, local ads  
 1159 WHEW 101.9 FL Fort Myers, k  
 1200 WEAT 104.3 FL W. Palm Beach, ID, Sunny 104.3, local ads  
 1201 WMXJ 102.7 FL Pompano Beach, call ID  
 1202 WAXY 105.9 FL Fort Lauderdale, Waxy 106  
 1203 WLRQ 99.3 FL Cocoa, lite Rock 99.3  
 1206 WQCS 88.9 FL Fort Pierce, c, Classic 89 Indian River Community College  
 1207 WAYJ 88.7 FL Ft. Myers, Christian rap mix  
 1209 WSOR 90.9 FL Naples, news, then ID  
 1215 WFLZ 93.3 FL Tampa, ID as Power 93, with the "Power Lunch Jam"  
 1217 WKRY 93.5 FL Key West, J, Key 93, local ads  
 1220 WRXK 96.1 FL Bonita Springs, 96 Rock, ads  
 JIM'S REPORT CONTINUES ON THE NEXT PAGE---

## JIM RENFREW'S REPORT continues.

## MAY 8 Es continued

1224 WPCY 97.5 FL Winter Haven, k, 97 Cntry, ID  
 1227 WCTQ 92.1 FL Venice, ID, Coast Country, ads  
 1231 WEZY 94.1 FL Lakeland, EZ 94.1 ad for the Florida Lottery  
 1231 WYFO 91.9 L Lakeland, ID following dramatic reading  
 1251 KIOA 93.3 IA Des Moines, local ads  
**8 GW**  
 1304 CKLN 88.1 ON Toronto, local concert info heard with WFRW off the air  
**9 Tr**  
 1303 WPHD 94.7 PA Tioga, r, legal ID (Jim, you're right, WKGB 92.5 Susquehanna, and WPHD 94.7 in Tioga simulcast, with WKGB being the parent-gc)

Very strange to have KIOA begin and conclude Es to south Florida. I'm not sure whether KIOA was TrS or Es at the time (it's possible, although unlikely, that it was TrS. Check future VUDs for other possible long haul trop that day. I have had similar Es openings with "oddball" stations nowhere near the main opening, especially near the beginning and end of an opening-gc). Es to South Florida very strong and all over the dial, while Es to Kansas-Oklahoma was intermittent, and only on a few channels. According to Jerry Bond and George Greene, 105.9 should be taking the air in a few months. WYNO 93.3 is advertising in local papers, but no telephone number yet listed by phone company.

## HARRY HAYES - 9 HENRY STREET - WILKES-BARRE, PENNSYLVANIA 18702 EDT

Equipment: Superadio II modified w/110 khz filter, Jerrold 9 el. antenna in attic hand rotated, Radio Shack FM arrp at set. New are underlined.

## MAY 1992 DX

**8 Es**  
 1232 WCVU 94.5 FL Naples, "Shore 94"  
 1233 WOLZ 95.3 FL Fort Myers  
**24 Es**  
 2043 KNEN 94.7 NE Norfolk  
 2052 KLDZ 95.1 NE Lincoln, #1  
 2110 KLIR 101.1 NE Columbus, #2  
 2146 KEFM 96.1 NE Omaha  
 2159 KHNE 89.1 NE Hastings, #3

TALK RADIO  
**102**  
**FM WTAZ**

## 25 Es

1233 KWKH 94.5 LA Shreveport  
 1234 KSMB 94.5 LA Lafayette  
 1249 KYKX 96.1 LA Lake Charles  
 1252 KYKR 93.3 TX Port Arthur, #4  
 1255 WQNZ 95.1 MS Natchez  
 1300 KVDP 89.1 LA Dry Prong, redig, full ID  
 1305 KLSA 90.7 LA Alexandria, #5  
 1306 WMAO 90.9 MS Greenwood  
 1325 KNUE 101.5 TX Tyler  
 1343 KTYL 93.1 TX Tyler  
 1353 RPXI 100.7 TX Mt. Pleasant  
 1355 KVIL 103.7 TX Fort Worth  
 1400 KUAR 89.1 AR Little Rock  
 1401 KETR 88.9 TX Commerce, "Service of East Tex Univ. Home of the Gold"  
 1418 KQUS 97.5 AR Hot Springs  
 1430 KBBO 100.9 AR Fort Smith, numerous local ads no CID heard  
 2100 KLDZ 95.1 NE Lincoln

#1 KLDZ 95.1 in for a good hour and a half with oldies  
 #2 Reception of E skip of 101.1 and the two Tyler Texas stations on 93.1 and 101.5 attests to the effectiveness of the 110 khz filter. I have super locals on 92.9 and 101.3  
 #3 Reception on 89.1 possible because local WSPX is off since classes are out at the Community College which owns the station.  
 #4 KYKR 93.3 advertising itself as "KYKR 93.3 and now 95.1". A planned move or dual programming now that the FCC has relaxed its rules in situations such as this? (KYKR is moving to 95.1 in a LMA deal, while 93.3 will soon become Spanish programming, don't know new calls there-gc)  
 #5 Reception on 90.7 since classes out at Wilkes University and WCLH-90.7 local is off. KSLA announcer acknowledged a caller from the Adirondack Mountains of New York State who was listening and requested a classical music selection.

I am very pleased with the amount of E skip this May. I would say that this was by far the best May for DX ever experienced by me. I'm sure others will agree. (Yeah for me this year rivals 1990, my best May-gc) I am very happy with my Superadio with the 110 khz filter. I would advise anyone to have this done to their receiver especially if they live in a city or area with strong locals. Best Regards



**JERRY MONROE - FALLS ROAD - MARCELLUS, NEW YORK 13108**

Work Phone (800) 522-7464, 448-5171, call 12-1pm

**JANUARY 1992 DX**

**3 MS**  
1530 WMSR 99.7 TN Manchester, "for greater Nashville", at work 625  
1903 WHTK 99.7 SC Port Royal, calls, distinct ID, heard mobile. STATE #24, note #1 750

**4 MS**  
0318 WANV 99.7 VA Staunton, calls 400

**5 Es**  
2320 WSIE 88.7 IL Edwardsville, MS induced E-skip, 88.7 wx was 50'. "WSIE" distinct, #2 800

**MARCH 1992**

**17 GW**  
1800 WMAX 106.7 NY Irondequoit-Rochester new rock and roll, note #3 80

**30 TrS**  
2250 WAEB 104.1 PA Allentown, cont. hit rdo. 175  
2255 WXTR 104.1 MD Waldorf, Xtra 104 playing oldies (not to be confused w/WHTT Bflo!) 250

2100 WPCV xtr 97.7 strong signal from east, #4

**APRIL 1992 DX**

**7 Tr**  
0130 WRTI 90.1 PA Philadelphia, Jazz 90 250

**11 TrS**  
0350 WEEA 88.9 MD Baltimore, r & b show 275

**15 Tr**  
0830 WFSE 88.9 PA Edinboro, pop rock 225  
0855 WACZ 93.9 NY Danville, plugging the fact that WDNV AM 1400 now stereo 100

0900 CJRQ 92.7 ON Sudbury, rock, 0db, weak 350  
0055 WQRM 106.3 PA Smethport, 1000 watts, relaying WFRM Coudersport, WKBI St. Marys 150

**29 Tr**  
0050 WDCU 90.1 DC Washington "You are listening to Jazz Radio WDCU, it's 51" 300



- #1 Heard in the DX-mobile on the way home from work. K-Mart Digital tuner with 2-130 khz filters, 18db gain 18 db gain pre-amp plus two 1/4 wavelength verticals on roof spaces 1/2 wavelength apart. (It's a big old Buick Wagon!) Plus switchable phase lines!! I now hear MS all the time, plus Rochester, Buffalo, Toronto, Ottawa, common on GW!
- #2 MS induced E-skip yes!
- #3 Called WPCX on this, owner has no idea of who this is and "would like to know". This has been noted twice
- #4 Drats, there goes another frequency, WIZN-VT can still be heard with phasing.
- #5 Listening to multiple MS bursts all day on 99.7 Mhz, finally checked out ch2 with Daytona Beach in strong for 1.5 hours. MS induced E-skip again!
- #6 Typical ducting - NYC but not Hartford (much stronger)
- #7 88.9 was about the best clear channel here. Not anymore!!
- #8 Tupper Lake, NY not on air all winter. I wonder if they transmit summers only. They ID as the "Camp Power Station" (Maybe they just went silent like WYUT-gc)

My phasing technique has been further improved. Both my FM yagi and phase antenna are first pre amplified 20 db with low noise, low distortion CATV type amplifiers. Each amp in then fed thru a bandpass filter (tunable) and adjustable attenuator. The signals are combined with a two splitter. No secrets here, when one tunes across the resonant frequency of a LC circuit, there is a dramatic 180° phase shift. Tuning is critical but the results are amazing. For example, my favorite phasing "trick" locally is on 89.7. There is a 1kw station in Geneva, NY: WEOS, maybe 30 miles away, also on 89.7 is WITR Rochester, about 60 miles away, also 1kw, but much weaker. The angle between the two is ~ 20°. I can null out Geneva leaving much weaker Rochester. I don't think even the FM 13 is that directive! Good DX to all and bring on the meteor showers! Hope everyone is having a great summer! 73s, Jerry Monroe

UPDATE: It is reported that WNYP 99.9 in Cortland-Ithaca, NY has changed calls to WYYS. I don't know if there was a format change. The new 102.9 Morristown, NY takes the WNYP call letters.

**MAY 1992 DX**

**4 Tr**  
2225 WXCX 103.7 MD Havre de Grace, XCY 103 rock n roll (not country?gc), o/weak WONY 275  
2240 WKNE 103.7 NH Keene, KNE-FM, Elton John music, good signal 225  
2254 WNNJ 103.7 NJ Newton, wx for the north country, legal ID, 3.5 kw 175

**5 MS all day, kicking in short lived FM E-skip, #5**

**6 MS**  
0645 WSHA 88.9 NC Raleigh, 25 kw, calls only then gone 550

**11 Tr**  
0245 WPFW 89.3 DC Washington, black oriented programming, 50 kw 300

**12 Tr**  
0030 CFUO 89.1 ON Ottawa, in stereo, playing hard core French music, strong 200

0050 CKUT 90.3 PQ Montreal, with really bizarre Native North American music 250

0120 WNWK 105.9 NJ Newark, playing reggae hard core dance promotion. Called NYC phone# to QSL! Only 3 kw, Note #6 225

**19 Tr**  
1800 CIMX 88.7 ON Windsor, local ments 350

**19 GW**  
1830 WNYO 88.9 NY Oswego, 100 watts now on: SUNY Oswego, stereo 9am-2am, #7 15

**20 Tr**  
2330 CJRQ 92.7 ON Sudbury, The home of rock and roll, 15db clean 350

**21 Tr**  
2345 CIRO 99.7 PQ Ste. Georges de Beauve, in fair stereo, news in French 300

**22 Tr**  
0045 CIGB 102.3 PQ Trois-Riveres, with dance music in French, ads for T.Riveres, note: no Tupper Lake, NY since February 1992! 325

0100 WGLX 95.3 NY Gouverneur, with Talknet Total service radio, multi ID noted 100

0110 WOKO 98.9 VT Burlington, c&w with WKLX Rochester phased out! 200

**PAUL MOUNT - BOX 126 - LINCROFT, NEW JERSEY 07738 (908) 591-2522**

Call 0800-0000, 0700-0100 for DX tips. Equip: Onkyo T9090II, standard 150 khz filters, realistic FM rabbit ears, Archer 15-1122A, FM amplifier

**MAY 1992 DX**

**8 Es (at work, not counted, but thanks to Rich Shafran for the tip)**

1220 WGLF 104.1 FL Tallahassee, rp, dedication to office in town

1225 WEJZ t 96.1 FL Jacksonville, r, 96.1 The Light

**17 Tr**  
2345 WKPE 104.7 MA Orleans, r, Cape 104, see note #1

**18 Tr**  
2355 WCTY 97.7 CT Norwich, local spots

0002 WNTX 96.3 MA Nantucket, c, s/off thru WQXR, mentions

0007 WXTK 94.9 MA W. Yarmouth, talk, ID into long Talknet jingle

0016 WBMW 106.5 CT Leydard, r "New London's County's New FM, the all new Mix 106.5"

0032 WQRC 99.9 MA Barnstable, local wx ("halo effect"), 99.9 QRC

0044 WPXC 102.9 MA Hyannis, promo, Pixy 103

0058 WCTK 98.1 MA New Bedford, k, calls

0102 WLYT 96.3 MA Haverhill, Note #2!

0107 WBLO 99.3 RI Block Island, r, calls "your star station"

0111 WYVE 102.3 CT Stonington, q, calls

0134 WAVT 101.9 PA Pottsville, r, T102, WQCD was off the air

0138 WCIB 101.9 MA Falmouth, rm, Lite 102

0155 WKYS 93.9 DC Washington, s, calls with WNYC-FM off the air

0200 WSHQ 103.5 NY Cobleskill, r, legal ID "Music 103" with WYNY off the air



Note #1: Was listenings on bedroom boombox, ID sent me upstairs!  
Note #2: Definite ID, "Boston's Lite is 92.5...Lite Rock...70s, 80s, and today". My guess how: (reasonable speculation) WNTX has antenna aimed at Tisbury-92.7; Signed programming off but kept 96.3 carrier on, their antenna picked up 92.5 instead and rebroadcast it on 96.3 (That does sound like the best explanation for what occurred-gc).

Note #3: HAD to turn off radio and pack for trip to California...barely made it to the plane. "DXpedition" at Yosemite Village results sent to HQ, also airchecked many modern, CHIR, AOR stations in Modesto, Monterrey, San Francisco, on this trip. I'm now living in a house, and having moved only 2 miles within the township, am not starting over counting totals began 4/30/90. If anything, moved slightly closer to Roxborough and NYC. Nice to finally have rooftop setup, with UHF & VHF antennas on a separate mast and rotor from FM; thanks to many members for advice...sorry no horizontally stacked Probe 9s, no room without pointing south into part of the wall. Lost a 'easy' one 'new' as totals only around 200; last log entry before 5/8 was 1/23, but you just wait. Gosh no convention details, how gauche. Will work on phasing as time permits (only the radio equipment has been unpacked so far...priorities, right?) (Glad you have them in order, hi-gc.) had done some with 2nd set of rabbit ears for TV reception of Boston VHF's thru NYC successfully last year. Will try to return to more regular reporting status (Looking forward to it, Paul-gc). 73

**STATION NEWS:** More updates..... urban KHRN 94.3 in Hearne, Texas has switched to religion, and "Gospel 94". In Malone, New York, WYNY 96.5 is on the air, with country music (Thanks to Charles Gauthier's report). WNYO 88.9 Owego, NY is on with progressive rock. In Delmarva, Pocomoke City is on with a "4:40-8:40" class. Similar to with something? Thanks Bob Sealant.

**20 Tr**  
0748 WZNS 92.9 SC Dillon, rm "Mighty 793" State #17, thru WMGS  
0753 WARM 103.3 PA York, rm, "Warm 103" head through WPRB  
0801 WETA 90.9 DC: Washington, show tunes legal ID & FM#1, NPR  
0814 WSVS 104.7 VA Crewe, k, Tony Ryan show  
0815 WHVY 103.1 MD Gracerville, p, "103.1 the Underground"  
0824 WREF 99.7 NC Kannapolis, rp "Charlotte's Fox"  
0827 WFRE 99.9 MD Frederick, local news  
0835 WMBX 103.7 VA Richmond, r, local spots "B 103.7", past WMGM  
0845 WWKL 94.9 PA Harrisburg, q, traffic "Harrisburg's Kool 94.9"  
0915 WWMJ 104.7 MD Hagerstown, t, calls one of the few beautiful mx left.  
0923 WVLT 92.1 NJ Vineland, r, "92 First", new slogan?, note #3

**28: new equipment setup**  
CM4408, RG6, CM9510A antennas at 30 feet.  
**JUNE 1992 DX6 Tr-GW**  
1013 WLAN 96.9 PA Lancaster, r, All Hit 97 with calls heard too  
1019 WRVY 97.3 PA Harrisburg, op, "The River 97.3" but not presented as "classic rock" (One of these new "soft rock & roll" stns gc)  
1029 WWKL 94.9 PA Harrisburg, q, Kool 94.9  
1050 WZBH 93.5 DE Georgetown, rp, "Delmarva's home of real rock and roll"  
1124 WIMX 99.3 PA Harrisburg, r, "W.M.I.X" tough in tight WMD null, past WAWZ and WBAI slop

**GREG CONIGLIO - 5100 GLENWOOD DR - WILLIAMSVILLE, NEW YORK 14221**

Equipment: Carver TX11 modified with 150 khz filters, Stereo Probe 9 FM antenna on roof ≈ 25 feet, CAC11 & RG6 coax used, RCA switchable rabbit ears, and homebrew one-capacitor phaser used in conjunction with Jerrold 9 element TV antenna. Archer-rotor

**MAY 1992 DX**

20 Tr

0905 **CKRZ** 100.3 ON Oshewaken, sports, "Grand River Country", heard often with open carrier 81

0915 **WFBE** 95.1 MI Flint, call, c\$ 253

24 Es

2122 **KMOD** 97.5 OK Tulsa, rp\$, synd. show 1036

2128 **KGBX** 105.9 MO Nixa, Countdown, calls 868

2131 **KQVE** 99.3 OK Grove, Grand Lake weather, country music (\$) and call letters 956

2132 **KWMI** 100.3 MO South West City, wx\$ 954

2136 **KMXL** 95.1 MO Webb City, Lite Mix 95.1 918

2142 **KWEN** 95.5 OK Tulsa, k\$, K95 1035

25 Es, big opening!!

1200 **WUSM** 88.5 MS Hattiesburg, c\$, lgl ID 994

1211 **WFFF** 96.7 MS Columbia, calls 1014

1214 **KSLU** 90.9 LA Hammond, JS, sports promo welcoming home baseball team 1081

1230 **KDEA** 99.1 LA New Iberia, now rm\$ Cajunland festival ad, "Better Music 99.1" 1156

1233 **KOKI** 95.3 LA Bayou Vista, k\$ sat. w/local CUXY phased, local ads 1153

1236 **KROE** 105.1 LA Abbeville, "Oldies 105.1" with calls, CCR music, heard prev. on 104.9 1174

1237 **(WKOB)** 95.5 MS Jackson, adult top 40 with B 95.5 slogan, ex: WLIN & WOHT 973

1239 **WOWW** 107.3 FL Pensacola, remote 972

1240 **WXEX** 95.1 AR Prattville, op\$, The Fox 842

1240 **WJDX** 96.3 MS Jackson, Mix 96, rm\$ 978

1241 **WMFC** 99.3 AL Monroeville, remote 922

1251 **WDLI** 98.3 AL Chickasaw, mr\$, calls 992

1255 **WJDB** 95.3 AL Thomasville, calls heard one of several over phased CUXY 915

1256 **WQCM** 102.3 MS Gulfport, o\$, Coast 102 1042

1300 **WOSM** 103.1 MS Ocean Springs, g\$, legal 1029

1301 **WQUD** 105.9 MS Pascagoula, k\$, Good 106 ID with Moss Point, Biloxi & Gulfport 1022

1307 **WLTS** 105.3 LA Stidell, strong, mr\$ 1072

1311 **WMFM** 106.3 MS Petal, Lite 106, remote 986

1317 **WACT** 105.5 AL Tuscaloosa, "Bama Cntry" 830

1320 **KBAU** 94.3 LA Galliano, Bayou 94, r\$ 1091

1321 **WOKK** 97.1 MS Meridian, k\$, 97OKK 915

1325 **WKNZ** 101.7 MS Collins, "Hattiesburg's Oldies Station, Z101", over phased WBTF lcl 988

1327 **WIZK** 93.5 MS Bay Springs, "ZK-Rock" 956

1335 **WXTI** 94.1 LA Kentwood, rm\$ via bird Sunny 94.1, never heard as McComb, MS 1039

1335 **WJDR** 98.3 MS Prentiss, wx, 98.3 JDR 1002

1337 **WGGZ** 98.1 LA Baton Rouge, o\$, "Oldies 98.1" over phased local CHF. 1112

**MAY 25 Es cont**

1340 **WYNK** 101.5 LA Baton Rouge, k\$ 1116

1345 **KMDL** 97.3 LA Kaplan, calls, remote over phased local CJEZ Toronto 1173

1351 **WHJT** 93.5 MS Clinton, gr\$, Alive 93.5 ment. LMA with WSLI-AM in Jackson 970

1356 **WWMS** 97.5 MS Oxford, k\$, Miss 98 previously heard via aurora 3/24/91 829

1402 **KAFX** 95.5 TX D'Boil, r\$, K-Fox 95 1205

1414 **WQXD** 95.5 MS Oxford, ads 836

1416 **KJNA** 99.3 LA Jena, local ads 1075 1416

KXKZ 107.5 LA Ruston, local ads 1050

1419 **WIIN** 98.7 MS Vicksburg, k\$, Win 98 981

1422 **WYMX** 99.1 MS Greenwood, r\$ (Top 40) music by Jesus Jones 900

1425 **WIOQ** 102.3 MS Leland, r\$, Q102, "The Delta's Hottest FM, Q102" 939

1429 **WBLE** 100.5 MS Batesville, Country 101 853

1430 **KNOE** 101.9 LA Monroe, r\$, FM 102 1029

1435 **KYEA** 98.3 LA West Monroe, s\$, "K98, KYEA", local signal 1040

2019 **WQUE** 93.3 LA New Orleans, rs\$, Q95 1101

2039 **WJMG** 92.1 MS Hattiesburg, s\$, calls 992

2035 **WBBN** 95.9 MS Taylorsville, k\$, B95 981

2051 **WKXI** 107.5 MS Magee, soft soul music (\$), dedications, Kixie 107 956

2052 **KIDY** 99.9 LA Lafayette, remote, calls over phased local CKFM Toronto 1150

2100 **WJTA** 91.7 MS Kosciusko, gospel MONO call ment but no legal ID. 900

2101 **WHJT** 93.5 MS Clinton, legal ID 970

2106 **KVOL** 105.9 LA Opelousas, mention of concert in Lafayette, calls given 1136

**JUNE 1992 DX**

2 Tr

1700 **WFFR** 88.1 PA Erie, g\$, Family Radio o/ CKLN and WFRW (also Family Radiol), new str 94

4 Tr

1010 **(WDZR)** 102.7 MI Mount Clemens, pr\$ Z-Rock, heavy metal, ex: WKSQ, WXCD 216

7 Tr

2309 **WPRR** 100.1 PA Altoona, r\$, End of Future Hits, legal ID o/WBRR. PA # 125. 172

9 Tr

2326 **WPHD** 94.7 PA Tioga, rp\$, ID with Elmira & Corning, ment part of the "KGB network" (//WKGB 92.5), phased down splash from super wide local WNEB 94.5 108



**QSL CORNER & LOGOS RUN**

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

**NC WUNF 33 Asheville**, % P. O. Box 14900, Research Triangle Park, zip 27709-4900. Letter from Wayne Estabrook, CE / Transmissions. He mentions that station was seen in Mississauga, Ont. (Reid)

**GA WTLC 14 Marietta**, 200 North Cobb Parkway, Suite 114, zip 30062. Letter & PR folder from Susan D. Parks, Exec. Asst. in 1 month. (Reid)

**MN KSAX 42 Alexandria**, P. O. Box 189, zip 56308. Letter from Michael Burgess, G.M. (Reid)

**ND KVRK 15 Fargo**, 4015 Ninth Ave. S.W., zip 58103. Letter from Glen Pederson, CE. (Reid)

**IN WXIN 59 Indianapolis**, 1440 N. Meridian St., zip 46202. PFC (prepared file card for verification) signed by Mike Mckinon, CE (?) in two months. (Ross)

**PQ CIVO 30 Hull**, % 800 Rue Fullum, Montreal, PQ zip H2K 3L7. PFC & business card back signed by Guy Coignard, Dir. Tech. in 2 weeks. (Ross)

Well thats the qsl items I have to use. What happened? Did



Hits Without the hype.



people stop sending out qsl request, or is it that stations have stopped qsl'ing? Oh well! Reporters this are; Mike Reid of North York, Ont. & Robert S. Ross of London, Ont. The rest of this month column will be logos, 73's and report some qsl soon!



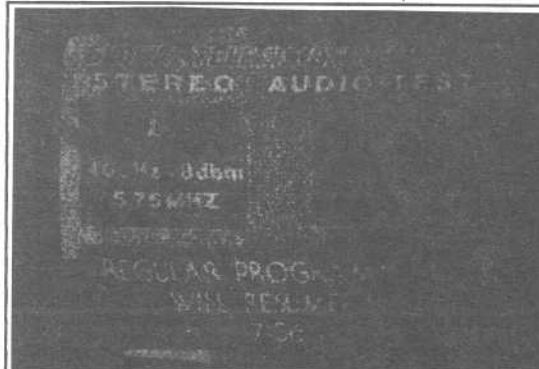
Thanks to Dave Nieman, Bruce Hall, and Mike Cherry for recent logos. May was an excellent month here for DX. Unfortunately June has not been so great, with no FM or TV skip IDs as of June 10. Hopefully things will pick up. I'm happy with how the phaser is working out; sometimes it is unpredictable but in some cases I can get pretty good nulls on semi-locals, as well as using both antennas to add to signal by phasing them in. I heard WPRR using that method. Thanks Dave Nieman for alerting me to the skip on May 24, and thanks to all those who have researched the DX potential to be gained in phasing. That and filter modifications have improved the hobby.



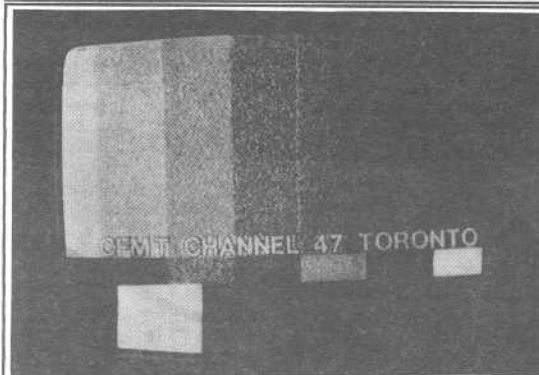
MAILING ADDRESS:  
PHOTO-NEWS  
12284 Nice Road  
Akron NY 14001-9529

JULY 1992

Some E-skip but little tropo the past month here in Western New York. Most of that skip reaching only channel 2. But late last year and early this year Midwest DXer; Jeff Kadet - Macomb Illinois was seeing some good UHF tropo conditions. Equipment: ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E-skip. Screened Channel Master 7' dish up 85' with Winegard PA-4975 preamp, .5" aluminum hardline. Various other antennae for VHF reception.



**CIII-41**  
Toronto Ontario  
610 mile tropo  
seen Dec. 30, 1991  
at 0200CST



**CFMT-47**  
Toronto Ontario  
610 mile tropo  
seen Dec. 30, 1991  
at 0300 CST



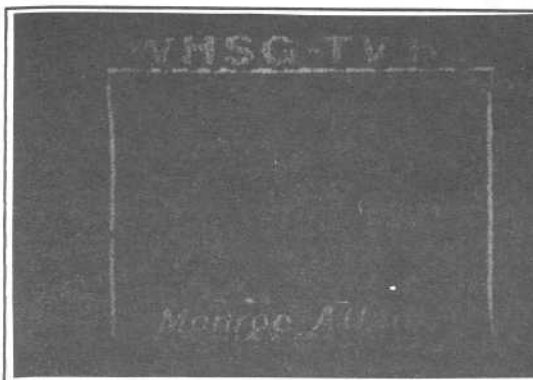
**W29AO**  
Annistan Alabama  
539 mile tropo  
seen Jan. 5, 1992  
at 0202 CST

JULY 1992

PAGE TWO



more DX from Jeff Kadet....



**WHSO-63**  
Monroe Georgia  
590 mile tropo  
seen Jan. 5, 1992  
at 0400 CST

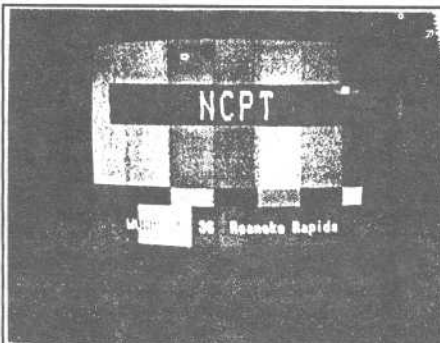
Thanks for the photos Jeff; we'll have more from you next month.

**W T F D A P H O T O - N E W S**

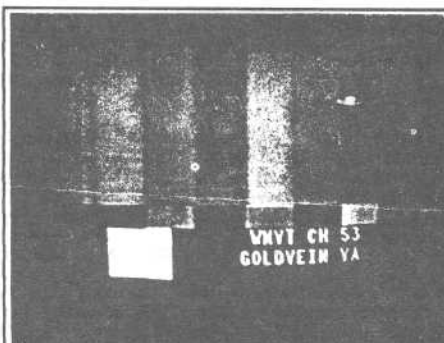


**NEW REPORTER** Richard Shaftan - Rockaway

New Jersey. Equipment: Zenith color TV circa 1991, GE VHS VCR and Channel Master 3517 antenna at 40 feet above ground.



**WUNC-36**  
Roanoke Rapids  
North Carolina  
350 mile tropo  
seen May 20, 1992  
at 0630 EST



**WVMT-53**  
Goldvein Virginia  
275 mile tropo  
seen May 20, 1992  
at 0715 EST

More from Rich Shaftan next month.

Till next time, *DAVE*



# WESTERN TV-DX

July 1992

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

Deadline: 08-06-92  
Cut-off: 05-01-92

\*\*\* PLEASE NOTE NEW MAILING ADDRESS \*\*\*

E skip has begun! Reports are varied. Most regard the E skip as mediocre, but it was reported in May on the following dates: 1, 5-10, 12-17, 19, 21-29, and 31. Early reports of June E skip show the following dates: 3-5, and 10.

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

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

CDT

### Equipment:

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

<b>May 1992</b>	9 Es 1808 KIMT 3 IA 927	25 Es 0835 unids 2,3,5
1 Tr 2229 KRRT 35 TX 521	13 Es 1809 XHIA 2 CU 862	0930 WTVH 5 NY 1186
KXAN 36 TX 454	2000 TGVt 3 GU	0959 KYW 3 PA 1092
2233 KHOU 11 TX 319	15 Es 1855 CIII2 2 ON 1260	1103 WSTM 3 NY 1186
2237 KTBC 7 TX 454	16 Es 1132 unid 2 Spanish	1130 CHRO 5 ON 1302
8 Es 1730 unid 3 CBS	23 Es 1840 WWAY 3 NC 758	1200 WGRZ 2 NY 1090
(Brief)	24 Es 1159 KIMT 3 IA 927	1230 CBLT 5 ON 1115
9 Es 1744 unids 2,3,5	1606 WWAY 3 NC 758	1951 unid 2 French!
1755 KTCA 2 MN 1055	1700 WUND 2 NC 899	(Audio)
(Audio)	1726 WMAR 2 MD 1003	29 Es 2242 unid 2 CCI

A mediocre May for E-skip. The opening on Memorial Day was the biggest - nice to get some new ones from Ontario.

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST/CDT

### Equipment:

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

<b>March 1992</b>	7 Es 1300 CBYWT 2 MB 905	25 Es 0920 WESH 2 FL 985
2 tr 2235 KSAX 42 MN 404	12 Es 0830 WESH 2 FL 985	0930 WEDU 3 FL 1031
22 tr 0300 W54BE 54 IL 50	16 Es 2228 KBTX 3 TX 856	WUFT 5 FL 923
(Sugar Grove LPTV)	2300 WPBT 2 FL 1229	1200 WCIV 4 SC 797
	17 Es 0045 WFMY 2 NC 641	WCBD 2 SC 797
<b>May 1992</b>	0100 WESH 2 FL 985	31 Es 1855 CKCK 2 SK 918
1 tr 0530 WXMT 30 TN 408	24 Es 1650 WPBT 2 FL 1229	1900 CFSS 3 SK 878

I saw seven brief E skip openings in May - two of them into western Canada. The E skip usually goes into this area late in the season. Sugar Grove 54 has been on with color bars and ID almost continuously for two months.

Surprised to receive a call in April one Sunday evening from the owner of WLLT-FM-107.7 in nearby Polo, Illinois. I went over and had a brief chat at the studio between Sterling and Dixon twelve miles away. He had gotten a copy of the VUD from the manager of one of his other FM stations in Michigan. He lives in Mt. Zion, Illinois and has a station there also. The tower is six miles south of Polo on the highest hill in the area. The station gets out exceptionally well with only 1350 Watts power. Translator WQPT-TV-61 (W61BV fm) is mounted on the southeastern leg of the tower. The FM antenna is on the top.

My mysterious logging of the fighting cock test pattern is getting even more interesting. It might not be a rooster. Two people who have traveled in South America said they use test patterns similar to that there. A few stations go on late in the day. I've been told they will never verify which has proven to be true. So I am writing to ham radio operators in the area in question. Many things point to one station as the

Western TV-DX

July 1992

William Eckberg (continued)

source of the signal. Hopefully, I will ID it shortly. Interestingly, not one person offered a clue after the picture appeared in Photo News.

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401-2027

CDT

### Equipment:

VHF antenna (unknown vintage) at approximately 30 feet. Tabletop Radio Shack UHF bow tie in the attic at approximately 15 feet. Kawasho 13" color set.

Here's what I've gotten lately. Not too much, but compared with this time last year... I'll take it and be happy with it. (But of course, I'm looking for more.)

<b>April 1992</b>	<b>May 1992</b>
30 tr 0630 KOZK 21 MO 292	1 tr 0630 WFIE 14(KY) 261
0637 KSPRT 33 MO	0640 WPSD 6 KY 270
0658 KCTV 5 MO 258	0738 KSPRT 33 MO
	0757 KTKA 49 KS 322
	1 tr 0825 KCTV 5 MO 258
	0834 KRCG 13 MO 181
	5 Es 1714 WSTM 3 NY 744
	1715 WGRZ 2 NY 619

WGRZ-2 is my first new E skip station in a long long long time and my second shortest ever. James Christopher is one and walking and cutting four teeth at once. I'm at 180 TVs from 24 states. 73s and good DXing to all.

John Ebeling, 6843 County Road 47, Alborn MN 55702 (218-345-6718)

CDT

### Equipment:

General Electric 19EC0740W (1980) - electronic tuning (no fine tuning). Antennas in the attic - one pointed south towards Minneapolis/St. Paul and the other aimed southeast towards Duluth - selection via knife switch. Neither antenna is a DX type.

<b>May 1992</b>	10 Es 0050-55 unid 4 Canada	25 Es 1400 unids chs 2-4
	("5" on screen)	1815 WBRZ 2 LA 1155
10 Es 0025 CKSA 2 AB 880	19 Es 1955 WWL 4 LA 1190	1818 KJAC 4 TX 1165
KUTV 2 UT 1065	24 Es 1930-2000 ch 3 unid	1830 KARK 4 AR 845
(Alternating to 0050)	25 Es 1400 WSJK 2 TN 880	

Not a heck of a lot. Even today (5/31) as I write this, not a sign of any E skip on TV. Had a little FM E skip on May 25th also, but only three stations were logged as the opening was rather poor.

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

PDT

### 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 Dalco EID-55V 28 dB mast-mount preamplifier @ 38 feet with "ARM-strong" rotor. Homebrew six element 6 meter (50 MHz) wide-spaced beam (1.5 wl) @ 60' with Hy-Gain CD-II rotor.

<b>April 1992</b>	14 2E 0800 KMOLT 4 TX	23 Es 1228 KOTA 3 SD 1015
14 ms 0827 KEYT 3 CA 1006	Es 0833 #KCNC 4 CO 1097	1230 #KNOC 2 NE 1224
27 ms 0600 CKPG 2 BC 359	22 Es 1100 KNMZ 2 NM 1245	1300 KOB 4 NM 1280
	2000 #KREG 3 CO 1028	#KTVK 3 AZ 1223
<b>May 1992</b>	23 Es 0845 KTVS 3 CO 1150	1326 #KLBY 4 KS 1277
4 tr 1931 KATU 2 OR 234	0857 #KCNC 4 CO 1097	2E 1400 #KACB 3 TX 1887
(Under CBTU)	0900 #KWGN 2 CO 1097	KDFW 4 TX 1769
2100 KOAB 3 OR 347	1000 #KTVX 4 UT 794	Es 1500 #KUTV 2 UT 795
12 Es 2100 #KTVS 3 CO 1150	1030 KLNE 3 NE 1311	KIDK 3 ID 837
14 Es 0600 #KWGN 2 CO 1096	KCWC 4 WY 833	1800 KWGN 2 CO 1096
KTVS 3 CO 1150	1057 KREG 3 CO 1028	KTVS 3 CO 1150
2E 0627 KMOLT 4 TX	1059 KCCZ 4 UT 940	KCNC 4 CO 1097
0630 KPRC 2 TX 1983	1100 KTWO 2 WY 926	1900 KENW 3 NM 1467
0658 KIII 3 TX 2007	KYUS 3 MT 836	KVOA 4 AZ 1314
Es 0659 KCWC 4 WY 833	1130 #KSWK 3 KS 1350	1946 KHMZ 2 NM 1245
0700 KTWO 2 WY 926	1159 KDUH 4 NE 1080	2200 KREG 3 CO 1028

Mike Cherry (continued) 25 Es 1930 #KCBS 2 CA 1047 26 Es 0829 KCBS 2 CA 1047  
2000 KVBC 3 NV 986 0830 XHBC 3 BN 1197

So far, E skip season is looking good - although things started a bit late this year. May 14th double E had tentative KMOL-4 with NBC ID and mention of "governor in Austin". At 0800 heard San Antonio on ID, but could not verify visually (sorry, didn't catch offset-this was on VCR).

May 23rd was a whopper of an opening - the best locally since May 27-28, 1990. Most of the day channels 2-4 were at least 4 or 5 stations deep - a very large footprint! (Also had a nice long chat with Doug Allen on 6 meters.) Opening finally faded at 2213. Numerous unIDs due to the layers of signals. Thanks to a 6 meter ham I was talking to in San Angelo, Texas, I was able to get a new one. The ham I was talking to turned on his TV and verified that what I was seeing was KACB-3!!!!

Hope everyone is getting lots of skip by now. 73s Mike, VESKA

Eric Sundius, Box 513, San Miguel CA 93451 (805-467-2513) PDT

Equipment:

Samsung 13" CT-334KA color w/rotary tuning, Winegard VHF only and Channel Master 8' UHF dish both at 10' on Alliance rotor with preamps and RG6 downlead.

May 1992 23 Es 1030 CKKX 2 AB 1105 27 Es 2030 XEPM 2 CH 860  
21 Es 2100 XEPM 2 CH 860 1100 CFRN 3 AB 1270 XEJ 5 CH 860  
unID channel 4 CKCK 2 SK 1295 2100 KDBC 4 TX 860  
("13 Network") unID ch 5 CBC 31 Es 1200 XHBS 4 SI  
23 Es 1000 CITL 4 AB 1325 25 Es 1100 KSWK 3 KS 1090  
KSNK 2 KS 1220 1200 KWGN 2 CO 885 June 1992  
1030 CKSA 2 AB 1325 2107 KMID 2 TX 1080 4 Es 1830 XHI 2 SO

Having lived in both the Los Angeles area and the San Francisco Bay area, it is a real thrill for me to live halfway between both cities with only one local band station. I only wish I had more channels to watch during the off-season. 73, Eric

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

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 80's) (used with antennas on 40' tower). Panasonic 9" b&w

Well, E skip made its appearance, but it was nothing to get excited about, yet. Most openings were weak and never made it to channel 6.

April 1992 7 Es 1222 KBME 3 ND 660 15 Es 1800 WEDU 3 FL 1185  
28 tr 1800 W29BE 29 MI 110 1234 KWSE 4 ND 820 unID channel 4  
(Muskegon TBN) CFQC1 3 SK 1085 1810 KATC 3 LA 1030  
W40AK 40 MI 110 8 Es 1530 unids 3 & 4 west WBRZt 2 LA  
(Muskegon CHA) 9 tr 0615 Iron Mountain Us WWL t 4 LA  
Es 1742 WFMJ 2 NC 715 WKRGt 5 AL  
WWAY 3 NC 865 1823 WLBT 3 MS 860  
WYFFt 4 SC 1826 WRBL 3 GA 850  
4 tr 1910 W25BM 25 MI 180 1757 WRAL 5 NC 770 WTVVt 4(FL)  
(Berrien Springs TAB) KPRCt 2 TX WDIQt 2 AL  
W24AI 24 IN 190 12 Es 1100 KBTXt 3 TX 1830 WTVJt 4 FL  
(Michigan City TBN) KMOL 4 TX 1200 WPBt 2 FL  
W18AT 18 IN 195 KATC 3 LA 1030 unID channel 2+  
(Gary LPTV) 1220 unids chs 5 & 6 2220 KPRC 2 TX 1115  
2030 ( See Note # 2 ) 1229 WLBT 3 MS 860 KBTX 3 TX 1065  
5 Es 1740 unID ch 2 south WABGt 6 MS KIIIt 3 TX  
unID channel 3 WKRGt 5 AL KDFW 4 TX 965  
6 Es 0050 CFQC1 3 SK 1085 1540 unids chs 2 & 3 2330 most Es gone  
CKSAt 2 AB 1720 KTWO 2 WY 945 18 tr 2230 WOAC 67 OH 395  
unID channel 4 KCWC 4 WY 1065 WNEO 45 OH 415  
1000-1400 chs 2 & 3 unID channel 3 WYTV 33 OH 420  
7 Es 1222 CKCKt 2 SK 15 Es 1800 WESH 2 FL 1125 WTTE 28 OH 375

William Draeb (continued) 24 Es 1128 KJACT 4 TX  
18 tr 2230 W40AK 40 MI 110 1924 KTBSt 3 LA  
W40AN 40 MI 95 WMABt 2 MS  
(Escanaba WLUK-11) 1951 unID channel 4-  
2254 WSEE 35 PA 410 unID channel 6  
WTKR 3 VA 780 2055  
2303 WUC 44 OH 435 2131 WBTV 3 NC 710  
(Snow free) WCBQ 2 SC 900  
WPGH 53 PA 470 WUNC 4 NC 735  
CIII41 41 ON 405 25 Es 0610 KPRC 2 TX 1115  
CBLN4 45 ON 315 unID channel 2+  
CITY 57 ON 405 KATC 3 LA 1030  
CFMT 47 ON 405 KJACT 4 TX  
CBLN2 34 ON 280 0654 unID channel 5+  
2311 WPTT 22 PA 485 0705 WCBIt 4 MS  
(HSC -snow free) 0718 WMABt 2 MS  
WFMJ 21 OH 420 0723 WLBT 3 MS 860  
WJET 24 PA 410 0729 WBRZt 2 LA  
WSFJ 51 OH 405 0749 unID channel 6  
unID channel 64 WEDU 3 FL 1185  
19 tr 0530 CIII41 41 ON 405 0755 WRBL 3 GA 850  
CFMT 47 ON 405 1125 WJXT 4 FL 1030  
CITY 57 ON 405 WPTVt 5 FL  
CBLN4 45 ON 315 WESH 2 FL 1125  
WTJQ 26 OH 365 1150 WUFT 5 FL 1055  
(HSC) WCPX 6 FL 1150  
0539 WKBN 27 OH 420 1400 WJXT 4 FL 1030  
0548 CBLN5 20 ON 325 1803 KMID 2 TX 1165  
CBCE 16 ON 285 1822 KOB t 4 NM  
Es 0750 unID ch3 ed west KFOR 4 OK 810  
20 tr 2233 W64AU 64 WI 120 KWAB 4 TX 1125  
(Adams WHRM-20) 1900 KFDX 3 TX 935  
23 Es 2158 unID ch 3 south KENW 3 NM 1145  
24 Es 0905 KPRC 2 TX 1115 28 Es 1932 unID channel 2-  
1124 KBTX 3 TX 1065 31 Es 1805 unID ch 3 ne

Note # 1 - Low band antenna back up.

Note # 2 - Picking up neighbor's satellite dish interference on channel 57 (color bars with "Seattle" across screen).

Note # 3 - W54BK with religious programming (Catholic).

Note # 4 - Weather with snow free ID slide.

A few notes: Local WLUK-11 sometimes shows a slide with their two translators - W40AN Escanaba and W43AE Iron Bay, Michigan on it. I don't know where Iron Bay is, but it must be near Iron Mountain because that's where W43AE is. (I think they may have the call letters wrong too. According to my information, W43AE is licensed to Knoxville, Tennessee. W43AN is licensed to Iron Mountain, Michigan. fm)

Also, while watching WUHQ-41 I noticed the call WOTV-41 on the screen. They get their news from WOTV-8, but I think they got carried away. (It would be interesting to know the story behind this. WOTV are the new call letters for channel 41. Channel 8 has changed from WOTV to WOOD-TV. fm)

The religious programming on W54BK I've seen before on WNDU-16 (same priest and format).

Fred McCormack, 2384 Teakwood Dr, Maplewood MN 55119-5520 CDT

Equipment:

General Electric 9" color (Model 09GP103). Rabbit ears.

June 1992 10 Es 1400 unids chs 2 (2) 13 tr 0855 K55FJ 55 MN 90  
10 tr 0758 K16BQ 16 MN 110 11 tr 0835 K26AC 26 MN 200 (Austin STV-CNN)  
(Brainerd KSAX-42) (Bemidji KVRR-15) 1000 WHLA 31(MN) 110  
0812 K66BI 66 MN 120 13 tr 0830 K19BG 19 MN 70 WLAX 25(MN) 110  
(Aitkin WOI-10) (St. Cloud TBN)  
0830 WHRM 20 WI 160 0850 KXLT 47 MN 65

What a difference elevation makes! While living in Hidden Valley Apartments for the past 17 months, I logged no tropo signals. Since we moved into our new house two weeks ago, sunup tropo to 100+ miles has been seen daily using rabbit ears.

# EASTERN TV-DX

Bill Nienajadly/N2QJJ  
PO Box 2999  
Clifton NJ 07015-2999  
201-478-3044-no collect

JULY 1992

Cut off 3 months

Deadline the 5th

"May 1992 is the best May for E-skip for all 23 seasons I've been Dxing"-Harry Hayes  
"The most productive week of DX since I started in August 1990!"-Eric Voytko  
"...the most exciting week of Dxing in 20 years...."-John Combs Dxing from the Outer Banks  
"...May has turned out to be very good for E-Skip."-Dave Nieman

May turned out to be outstanding for Super Tropo and frequent E-skip. John Combs on the Outer Banks in N.C. logged Nova Scotia & Northern Florida at the same time. And (are you sitting down?)...some of the E.R.P.s of these stations from N.S. were as little as 650 watts at 797 : stunning miles! Dxers along the East Coast cleaned up on May 20th with UHF tropoducting from SC to NJ and possibly further like John Combs did. On May 25th (Memorial Day) a near day long of E-Skip. Eric Voytko said it lasted some 11 hours total. This column is gonna be a long one!

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

May 7, 1992 ES CFCL 2 ON in Keames - Station was located in the QUEBEC Road Atlas not in the Ontario Road Atlas

May 14 92 Tr-Early Morning @ 0120-0330+

WMAE 12 MS 153 WMAW 14 MS 328 WHLZ 18 OH 403 WVAZ 53 OH 340 also Chicago Terre Haute Ft Wayne Kokomo Dayton and stations in IL IN & OH

Afternoon there was ES with XEFE 2 NL KKTO 2 NM and KACV 2 TX Station total now at 500 stations

Steven Sprachman 15 Berry Lane Hicksville NY

\*\*\*NEW REPORTER\*\*\*

May 8 ES 1030 WEDU 3 FL WEAR 3 FL

May 15-17 Super-tropo weekend- Many relogs from Boston to North Carolina. Philly V's and U's snowfree most of weekend.

May 17 Tr 0830 W248B East Stroudsburg PA w/Channel America (Tent as on CHA list, but owned by a company which has several LPTV's w/Channel America). Antenna pointed West towards PA. W33AV Boston w/Video Jukebox Network. ID was 33-WAV Boston 1900 on W36AS New Brunswick-Great Reception. They have programs on weekends 7:30 to 11 PM, usually old Indian Movies. WB0C-16, WCPB-22 snowfree. Norfolk U's 15,17,33 49-(tent) WJMM-19 Jacksonville NC.

May 18 0630 Tropo over-Reception back to normal !!

I've also been playing around with the ATV's on "Cable channel 57". I've identified 7 local ATV lists: WB2LTS Wyandanch KE2JK-Brooklyn W2DAH-Lawrence WA2ACW/R-West Hempstead W2WIA-Massapequa KB2NED Ozone Pk W20TA-Wantagh - I've seen one or two others that I have not identified yet.

Hopefully I'll have a more complete report next time. I've got to get back into the swing of things-writing down what I receive when I have an opening. I've also been photographing my catches as a permanent record, I have about 70 stations photographed (I just put another roll in for developing) plus 6 ATV's.

Finally I'm still waiting for the super-tropo opening. I've decided to play hockey from work when this occurs. My criteria- Wilmington NC south, Altoona- Johnstown PA West, North and West of Albany NY and any UHF reception of Canada (Steven, did you get in that Super tropo opening on May 20th?-BN)  
73's Steven

Robert Ross Box 1003 Stn. B London Ontario Canada N6A 5K1 VE3JFC

Toshiba Portable TV FM Beam-VHF Flying Arrow-UHF MAY 1992 E-Skip

23 1857 WPBT 2 FL 24 2259 KNOP 2 NE 24 2221 KJRH 2 OK 24 2028 WIVY 4 AL 25 2050 WKRG 5 AL

Jim Renfrew 61 Wilcox St Rochester NY 14607 716-461-2717 GE color TV, Radio Shack rabbit ears, JVC auto radio

MAY 1992 E-SKIP (ch 6 logs on 87.75 FM audio)

B 1205 WCPX 6 FL 12 0920 WBRZ 2 LA 12 1357 WMBZ 6 NE

As of May 21, no further sign of ES

Frank Wheeler 6589 Wattsburg Rd Erie PA 16509-5847

MAY 1992 E-SKIP

8 1257 KATC 3 LA 1071	12 1230 KJRH 2 OK 927	23 1857 WPBT 2 FL 1110	15 1200 WESH 2 FL 908
1258 KPRC 2 TX 1212	1325 KJNE 3 NE 1005	24 2300 KJNE 3 LA 1005	1327 WML 4 LA 1002
1300 WPBT 2 FL 1110	1258 KJSD 2 SD 896	2308 WBRZ 2 LA 1016	1430 KSNC 2 KS 1009
12 0958 WBRZ 2 LA 1016	15 1725 WEDU 3 FL 888	25 0900 KPRC 2 TX 1212	2000 WDIQ 2 AL 802
0930 KPRC 2 TX 1212	1755 WPBT 2 FL 1110	0958 WBRZ 2 LA 1016	
1320 KSNC 2 KS 1009	1900 WBRZ 2 LA 1016	1000 WEDU 3 FL 888	

Saul Chemos PO Box 801 Peterborough ON K9J 7A2 705-741-4557

May 7 ES Burnt River

1200 KOUJ 4 MT 1230 KNOP 2 NE 1300 KDUH 4 NE 1330 K3MA 2 ND

May 21 Tr Burnt River

0100 CBLFT 61 ON 0100 CBC 56 ON 0100 CIC028 28 ON

May 24 ES Peterborough

34 030 KYTV 3 MD 2100 KTIV 2 MD 2230 KSNC 2 KS

## EASTERN TV DX

JULY 1992

Saul Chemos continued

A quick start to the ES season here. Nothing like getting a new state for my first TV DX logging of 1992. Wish I had been in Burnt river for May 24. Hope it lasts!  
73s Saul

Ayodele Olafusi Adewakun P.O. Box 1800 Akure Nigeria Ph # 034-230959

21" Sony KV-2134MG RM 6878 Infrared RE Commander

(Ed Notes: This was forwarded to ETVDX from NFM editor Greg Coniglio, though this report is seriously dated and way past the ETVDX cutoff date. It will be run anyway due to the unique location. I guess this puts new meaning to the WORLD wide TV-FM Dx Assn!-BN)

Full names of station locations

IK=IKEJA AB=Abeokun VI=Victoria Island AK=Akure KW=Kwara IB=Ibadan OG=Ogun BD=Bende IL=(Not indicated-BN)

September 1991 All Tropo

1 0600 LWT 8 IK	8 0800 BCOS 28 IB	15 1100 NTA 10 VI	20 1500 NTA2 5 VI
0730 OGTV 25 AB	1100 NTA 5 IB	1900 OSRC 23 AK	1635 NTA 10 VI
0800 NTA2 5 VI	1300 NTA 7 IK	2100 NTA 11 AK	1800 LTV 8 IK
1100 NTA 10 VI	14 0700 BCOS 28 IB	2300 NTA 9 IL	2005 OGTV 25 OG
1300 NTA 7 IK	0755 NTA2 5 VI	18 1815 LTV 8 IK	2230 NTA 9 IL
1800 OSRC 23 AK	0955 OGTV 25 OG	1845 OGTV 25 OG	22 1500 LTA 11 AK
4 1800 OSRC 23 AK	1100 NTA 10 VI	19 1700 LTV 8 IK	2100 LTV 8 IK
1530 NTA2 5 VI	15 0800 NTA2 5 VI	1745 NTA2 5 VI	2300 OGTV 25 OG
2000 NTA 9 KW	0900 BCOS 28 IB	1800 OGTV 25 OG	24 1700 OGTV 25 OG
2100 NTA3 4 IB	1005 OGTV 25 OG	2100 LTV 8 IK	1830 NTA 11 AK

October 1991 All Tropo

4 1400 LWT 8 IK	4 1900 BCOS 28 IB	7 1100 NTA 10 VI	8 2100 NTA 9 IL
1705 NTA 10 VI	7 0710 LWT 8 IK	2010 NTA 7 IK	17 2030 ONTA 5 IB
1730 OGTV 25 AB	0820 OGTV 25 AB	8 1945 NTA 7 IK	20 0800 LWT 8 IB

(Ed notes: Unfortunately I had to extensively edit much of this report there was a excess of relogs with a few stations were reported in excess of 14 times each. Sorry, but that is a editors' job-BN)

Jim Renfrew 61 Wilcox St Rochester NY 14607 716-461-2717 (REPORT # 2 This Month-BN)

MAY 1991 ES & Tropo

22 Tr 0030 WICZ 40 NY 120	24 ES 2300 KNOP 2 NE 1250	25 ES 1703 WBRZ 2 LA 1150	25 ES 2100 KGAN 2 IA 850
0930 CIII 41 ON 100	25 ES 1411 KATC 3 LA 1200	1762 KTBS 3 LA 1200	2140 UNID-see note
CBLFT 25 ON 100	1602 KARK 4 AR 1000	2045 KJRH 2 OK 1150	2152 KTIV 4 IA 950
CICA 19 ON 100	1606 WEAR 3 FL 1050	2059 KYTV 3 MD 950	2155 KBME 3 MD 1200
0945 CITY 57 ON 100	1636 WEDU? Mr Rogers	2100 K3MA 2 ND 1300	2240 CBNFT3 MD 1100

Note: (On channel 3) End of lengthy World War 2 program for Memorial Day, 1st noted @ 2011 Suspect PBS

A day with big pile-ups, heaviest around 1600 and 2100, at times with all three networks evident on channels 2,3 & 4. Jerry Bond told me he was getting Es on FM at least high as 96.1, but I only had a few brief glimpses of ES on 5, & 6 is washed out by FM interference. My car is in the shop so I couldn't drive out of the city for FM DX.

Paul Mount Box 126 Lincroft NJ 07738 908-591-2522 07-01 7 days

Teknika TVC 22 Tuner Sanyo 21C100 as monitor -Before 5/28 Radio Shack 2 bay Table Bowtie UHF antenna after 5/28 CM 4228A 8 bay bowtie UHF antenna @ 28', RG-6, Winegard AP 4700 amp, CM Crossfire 3613 VHF antenna @ 25'. 300 ohm downlead both on CM HD 9515A Rotor Sanyo 13" TV as monitor plus Archer 15-1115A UHF 20 db Coaxial In Line Amplifier, Archer variable variable attenuator

5/20 0756 Tr WHTM 27 PA-nt 1	5/30 0157 Tr WMLP 22 MA	5/30 Tr 0230 WJAR 10 RI	0255 WJSH 66 MA
0819 Tr WTZA 62 NY	0200 Tr WGBB 40 MA	5/31 GW 1324 W36AS NJ-Tp	0301 WMLP 22 MA
0858 Tr WSKG 46 NY	0208 Tr W6AL 8 PA	6/3 Tr 0200 WSBF 36 RI	0303 WSKB 38 MA

Notes #1 -5/20 was mostly Dxing FM, much better luck to SC, NC, and had to leave 0930 to prepare for flight to CA-barely made it!

# 2-This only receivable 'off the back', pointed that way, it didn't come in...strange...Not really a Philly 17 overload problem in that direction. (Paul I think it could be the Teknika tuner, it really has poor selectivity, my el-cheapo Samsung Color TV runs circles around the Teknika in selectivity-BN)

Glad to finally have a house and a DX set-up. Thanks to Rich Shaftan, Bob Smolarek, Joe Fela, Kurt Richardson, Rich Wertman, and our ETV editor for their opinions regarding better setups. (Glad to help out-BN) There is some overload from the locals, but having the extra amplification was preferred in reception of the Springfield past ch 21 and 41 (all ENE of here). The closest station is probably that LPTV in New Brunswick: I am approximately 25 miles to the World Trade Center, 56 (miles) to Roxborough (Philly Ant Farm-BN), and having moved just 2 miles, across the township, won't have to start over from the totals begun 5/90. Won't see you in either Lakewood or Pittsburgh, gosh!





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

Equipment: JVC HR-D630U VCR w/attic UHF dipoles

## May 1992

05 ES 1915 KSNK	2 KS 1060 25 ES 0757 KPRC	2 TX 1290 25 ES 2129 KXMA	2 ND 1135
1925 -MUF	4-	Houston	Dickinson KX-2
09 ES 1849 -MUF	2-	0759 KDFW	4 TX 1190
15 ES 1957 WPBT	2 FL 1225	0808 unid	2 w/tp
2059 -MUF	3-	1758 WPBT	2 FL 1225
16 ES 2227 -MUF	4-	1939 WSB	2 GA T 26 ES 2010 -MUF 4-
24 ES 1753 -MUF	4-	2052 -MUF	107.3-

Eric Voytko 1721 Dalewood Place, McLean, VA 22101 703-356-9663

Equipment; UHF-Screened 6' Channel Master dish, Winegard PA-4975 preamp and 6 UT-2700 traps  
 HD73-1 rotor, RG11/064 Foam, 35' AG  
 VHF-Channel Master Quantum 1110, Archer rotor, RG11/064 foam, 35' AG  
 RECEIVERS-Icom TV/R-7000, JVC HRD970U VCR, Zenith and Sony Monitors

## May 1992

15 Es 1930 WBRZ-2	LA 990	17 Tr 0623 W14AU	NC 220	25 Es 1036 KATC-3	LA 1060
1930 KDTN-2	TX 1210	(note #1)		1129 KFDX-3	TX 1240
16 Es 2200 KSNK-2	KS 1160	24 Es 1620 CUBA-2		1244 KRAL-6 (TX)	1030
20 Tr 0605 WBRZ-28	PA 170	1925 CUBA-3 (Canal 6)		1300 WREG-3	TN 740
0605 WOLF-38	PA 190	(note #2)		1310 KOTV-6	OK 1030
0607 WCNC-36	NC 320	1926 WPBT-2	FL 910	1317 KYTV-3	MO 870
0608 WCCB-18	NC 320	2029 Fr. Canadian-3		1330 KOET-3	OK 1030
0608 WJZY-46	NC 330	(note #3)		1344 KJRH-2	OK 1030
0610 WPEDE-15	SC 340	2034 MUF 6		1415 KSNW-3	KS 1110
0610 WUNP-36	NC 190	2043 KTCA-2	MN 920	1500 KMTV-3	NE (t)
0615 WUNJ-39	NC 320	2045 KDLO-3	SD 1130	(newscenter 3 on KM-3)	
0634 WATH-23	PA 130	2300 KXMA-2	ND 1400	1520 Fade out	
0636 WSPY-36	MD 120	(note #4)		1828 KACV-2	TX 1380
0641 WSKG-46	NY 230	2307 Fade out		1941 KJRH-2	OK 1030
0656 WKPT-40	NC 260	25 Es 0824 MUF 3		2034 MUF 6 (briefly)	
0750 WHYJ-41	VA 90	0900 KBTX-3	TX 1210	2100 KDHL-3	MN 930
17 Tr 0530 WCNC-36	NC 320	0935 MUF 6 (locs. 4/5		2133 Unid Canadians	
0530 WJZY-46	NC 330	heavy CCI)		2210 Fade out	
0612 W40AP	PA 80	0957 KPRC-2	TX 1230	26 Es 1921 WPBT-2	FL 910
		1021 WBRZ-2	LA 990	1950 WEDU-3	FL 820

Notes #1-New LPTV distance record/independant, Reidsville NC

#2-Music show, followed by CubaVision 6 animated sign-off, then to NTV news at 20:00

#3-Watching above mentioned Cuban opening when this crashed in out of nowhere!

Had show called 'Surprise', much like Candid Camera or Bloopers &amp; Practical Jokes

Followed by 'Les Informations' evening news-type show

#4-New E-Skip distance record

Greetings to All. This is my first report since 1991, due to 60 mph winds folding the chimney mounts on my dish. In March I was able to fabricate new heavy-duty mounts, as well as upgrading to a HD73-1 rotor and foam RG-11 with .064 center conductor. I also found a connection between my A/B switch and the Icom to be the source of my sensitivity problems with the Icom's video adapter.

The upgrade paid off, particularly during the opening on 5/20. The Icom Handily outperforming the JVC VCR on UHF. On VHF, selectivity is still a problem, but the JVC handles the low bands decently. Areas that I once considered super tropo catches are now in on daily scatter, (eg-Cleveland, Charlotte and NY State) and with the use of traps the R7000 actually resists UHF overload better than the JVC!

Now on to Memorial Day weekend super-skip! On 5/24, the first opening started in Cuba, then took a radical jump into Canada, followed by KTCA and KDLO hanging around for over two hours and ending with a new distance record in North Dakota!

The miserable weather the following day made it a good day to sit in front of the TV, which I did for over eleven hours watching the skip. The first burst, a marathon nine-hour event saw the MUF rise to channel 6 several times, and local WRC-4 was often within microvolts of being over-run. Every 15-30 minutes was a new station ID'ed, with strong, stable signals. Loggings fall into a definite South to North pattern from Louisiana to Kansas as the day progressed. The MUF never could crack into the FM band, though. After a three hour lull, KACV Amarillo came crashing in, and again it worked its way north into Canada by the time it ended. KDHL Duluth was in for over an hour. The most productive week of DX since I started in August 1990!

Dave Nieman 12284 Nice Road Akron New York 14001-9529

Equipment: RCA 19" b&w TV with Teknika 6510 tuner, Channel Master 3617B VHF on a CDE rotor at 23 feet. Channel Master 4251 UHF with Blonder-Tongue CMA-Ub preamp on a crankup tower with Alliance HD-73 rotor at 40 feet. Using RG-11 coax for both antenna.  
 New loggings are underlined. New call {K4KKK}.

## February 1992

5 GW2351	W39BC	NY 18	12 Es 1231 KFDX	3 TX 1246	25 Es 1000 WBRZ	2 LA 1118
	Buffalo		1318 (KBSD)	6 KS 1201	under WGRZ	Buffalo
			1326 KSNW	3 KS 1058	1000 KATC	3 LA 1173
			1354 KWNB	6 NE 1166	1039 WLBT	3 MS 983
			1417 KOTA	3 SD 1235	1130 WEAR	3 FL 987
March 1992			0004 WKEF	22 OH 372	1212 WDSU	6 LA 1097
5 Tr 0826 CIVS	30 PQ 350		2042 CKND	2 MB 1136	1232 WKRG	5 AL 989
5 Tr 0834 CPKS	30 PQ 350		under WGRZ	Buffalo	1728 WEDU	3 FL 1064
May 1992			24 Es 1348 WCPX	6 FL 1001	2000 KGFE	2 ND 1003
			1401 WSAV	3 GA 768	under WGRZ	Buffalo
			1430 WEDU	3 FL 1064	2147 KYTV	3 MO 858
			25 Es 1243 KATC	3 LA 1173	25 Es 0718 KOET	3 OK 1046
					2144 KSRE	6 ND 1156

Little tropo this year but May has turned out to be very good for E-skip. Dave

Dave Nieman Ho-Sta-Geh, Road Rock City, New York

Equipment: RCA 9" b&w TV, Radio Shack V-110 VHF, Channel Master 4225A UHF with DX Tele Lab EU-45 preamp at 15 feet on a Radio Shack rotor. Using RG-6 coax on both antenna.  
 New loggings are underlined. New call {K4KKK}.

## May 1992

23 Es 1830 WCPX	6 FL 946	23 Es 1859 WEDU	3 FL 988	23 Es 1900 WPTV	5 FL 1062
1857 WPBT	2 FL 1127	over WPSX	Clearfield		
		over WGRZ	Buffalo		

First TV skip at Rock City. Nice to have the closest southern station (WPSX-3) on low band 68 miles away. At Akron, channels 2 & 4 are south to southwest and 18 to 22 miles respectively. Dave

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

## Raleigh, NC DX

## MARCH 1992

30 tr 0620 WTAT-24 SC 200

APRIL 1992

14 tr 0949 WBSG-21 GA 358

15 tr 0859 WTAT-24 SC 200

23 tr 0900 WTAT-24 SC 200

0900 WTKK-66 VA 225

24 tr 0904 WDCA-20(MD) 241

to WTAT-24 SC 200

1055 WHSW-24 MD 268

WHMM-32 DC 241

WFTY-50 DC 242

WJLA- 7 DC 240

30 tr 0930 WTAT-24 SC 200

Raleigh, NC TV log total:

186 (8/25/88-5/1/92)

## Kingsport, TN DX

## MAY 1992

3 Es 1622 WAPA- 4 PR 1609

12 Es 1044 KOET- 3 OK 724

1056 KJRH- 2 OK 734

1059 KAMR- 4 TX 1083

1100 KACV- 2 TX 1083

1100 KFOR- 4 OK 839

1119 KCNC- 4 CO 1252

1120 KFDX- 3 TX 922

1129 KLBV- 4 KS 1044

1130 KSNW- 3 KS 831

1159 KRMA- 6 CO 1253

1159 KSNK- 2 KS 901

1229 KDUH- 4 NE 1172

1229 KLNE- 3 NE 955

1230 KNOP- 2 NE 1032

12 Es 1248 KOTA- 3 SD 1209

1254 KTVI- 4 IA 844

1258 KPLO- 6 SD 1038

1327 KXJB- 4 ND 1065

1328 KGFE- 2 ND 1126

1328 KBME- 3 ND 1172

1328 KSRE- 6 ND 1249

1357 CBWT- 3 MB 1187

1359 CBWT- 6 MB 1187

16 Es 0033 KSNW- 3 KS 831

0033 KSNK- 2 KS 901

0039 KJRH- 2 OK 734

0040 KFOR- 4 OK 839

0100 KLBV- 4 KS 1044

0104 KBTX- 3 TX 877

0132 KSWK- 3 KS 1039

29 Es 1042 CV- 2 DR

31 Es 1027 unID- 2

May produced more E-skip than I had expected. I know I had KIII-3 and other TX stuff one day in mid-May but I have misplaced the loggings I scribbled down on a tiny piece of note paper. I still haven't sorted out all my belongings from Raleigh that currently reside in the basement, on my desk, etc. and if I don't get things straightened out before I move to Florida I may never know what day I saw it! I was out of town from May 4-9 and from May 17-27 so I'm sure I missed some skip, judging from what I have heard others say (plus I witnessed skip in CT at Bill Nollman's place, so I know!) I hope the skip season is great for all of us! 73's Matt.

ETV DX Editor Asks: Are there ANY I.F. Filters that can be added to TV sets that can improve selectivity? And is it possible to Add a Video Modulator to High Quality scanners such as the Radio Shack PRO-2006? What are the best TVs on the market for DXing? Which VCRs DO NOT have video Muting? ---More Questions to come-BN

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

Equipment: Emerson Color TV, Teknika TVC-22 tuner, Jerrold 10 element VHF antenna, 4 bay UHF antenna with Channel Master 0071C preamp. Both are roof mounted on a Channel Master rotor. Lead-in is CAC-11 and RG-6.

## MAY 1992 DX

15 Es 1800 WBRZ-2 LA 1113	22 Tr 0800 Detroit, Cleveland
5 Es 1430 WEDU-3 FL 1066	21 Tr 0730 WITF-33 PA 201
MUF of 104.71	WGBS-57 PA T
7 Es 1730 MUF channel 3	WNUV-54 MD T
8 Es 1241 KATC-3 LA 1168	0740 W65AJ-65 NY 60
1300 WEDU-3 FL 1066	(Angelica: WNE-17)
12 Es 1255 KFDX-3 TX 1239	0740 W62A?-62 NY T
1300 KSNW-3 KS 1050	(Friendship: WNE-17)
1319 KBSD-6 KS 1194	0745 WPMT-43 PA 231
1406 KWNB-6 NE 1158	0800 WPTT-22 PA 184
1415 KOTA-3 SD 1227	nr snowfree
13 Es 1800 KATC-3 LA 1168	WPCB-40 PA 188

This one is rare.

Despite the distances not being that great, the opening to the southeast on May 21 was a good one because they are very rare. I have only noted such an opening two other times: Sept. 7, 1989, and May 15, 1991. The signal strengths were not as strong this time however (exception: 33 and 43 were excellent). That has been the only significant trop. The big news has been the good start the skip season has had. First day was May 5, and the best so far has been May 25. I spent most of my time on FM. TV Dxing was for the most part futile anyway, cause the channels were just loaded with signals. I heard rumours that one got to channel 7, but I did not see it myself. Hope everyone is having a great summer and plenty of e-skip!

Christopher S. Dunne, 21541 NW 8 Ct., Box 81, Pembroke Pines FL 33029-1085

Equipment: Sony 9" Trinitron TV  
Teknika TVC-22 tuner  
Archer 6-sl. FM antenna  
Loop antenna  
Sharp VC-A5240U VCR

## 5/4 Tr

0223 W16??16 FL 145  
Palm Bay//WESH 2

## 5/24 3s

1830 WCAZ VT 1290  
KTV PA 960

## 5/26 3s

1930 WSTM NY 1150  
2000 WFSX PA 990  
(See note #2)

## 5/23 "3s"

2000 KTVO MO 1125  
WSIL IL 880  
(See note #1)

## 5/25 3s

1030 CKVR OH 1210  
1100 WKYC OH 1010

## Notes.....

- (1) Instead of "Es", I'll just call it "3s", at least until I get some other ch on Es....
- (2) These were prayed in! I set my VCR and let it run for 6 hours while I was at work. I prayed something would come in; and lo & behold, there they were! I won't record every day; my elec. bill is high enough.

I recommend the Sharp VCR for people who want to record Es/Tr, but are on a tight budget. If used properly (I prefer to use it with the Teknika), the picture plays back with less "warping" than many VCRs in that price range.

I think I've already racked up more 3s already in '92 than last year. Four new ones already. Still want to see Guatemala again.

Seventy-3s

*his*

More Questions from the ETVDX Editor; If muting can be defeated in FM tuners, couldn't then a VCR or a TV be rid of muting in the same manner? Also if AFC/AFT can be rid of in FM radio couldn't then the same be done for TVs and VCR's? If a VCR has a tuner with a 120 channel capacity, could be simply adding / deleting a diode make the VCR get more channels (up to 180 channels) for Cable/Off air? It is done with Scanners why not TVs?-BN

Harry Hayes 9 Henry St Wilkes-Barre PA 18702 RCA 1971 Color TV, Ch 2 &amp; 5 Portable quad loop w/Radio Shack amp @ set

All May 1992 E-Skip unless otherwise noted

2:1220 ES 2 J.Stewart	10 0845-1515 AURORA-FM	17 0230 KPRC 2 TX	25 1130 KDTN 2 TX
Movie	12 0930 KPRC 2 TX	22 2320 ES,2-3 Manitoba PTA	1135 KBTX 3 TX
5 1430 WTVY 4 AL	1927 KJRH 2 OK	23 1801 WSAV 3 GA	1310 KARK 4 AR
1758 KGAN 2 IA	1930 KQTV 2 MO	1901 WPBT 2 FL	1312 WBPB 5 TX
1805 KMTV 3 NE	13 1957 WBRZ 2 LA	24 1910 ICR 3 CUBA	1325 KDFW 4 TX
1814 KTIV 4 IA	2030 KDTN 2 TX	2000 WPBT 2 FL	1442 KJRH 2 OK
1825 KPRC 2 TX	2041 KJRH 2 OK	2000 KGAN 2 IA	1957 WCBT 4 MS
1900 KUSD 2 SD	2100 KETS 2 AR	2021 KTIV 4 IA	2000 KMTV 3 NE
2059 WPBT 2 FL	15 1650 WESH 2 FL	2030 KFYR 5 ND	2000 WMAB 2 MS
7 1830 KUSD 2 SD	1652 WEDU 3 FL	2232 KMTV 3 NE	2130 KGAN 2 IA
1900 KGAN 2 IA	1810 WBRZ 2 LA	2232 KDLO 3 SD	2158 KETS 2 AR
8 1214 WESH 2 FL	1925 KBTX 3 TX	2300 KNOP 2 NE	26 1959 WEDU 3 FL
1215 WTVJ 4 FL-NBC now	2050 WPBT 2 FL	25 1121 WBRZ 2 LA	1959 WPBT 2 FL
1220 WPTV 5 FL	2100 WDIQ 2 AL	1130 KPRC 2 TX	2003 ICR 3 CUBA

Just unbelievable! May 1992 is the best May for E skip for all 23 seasons I've been Dxing, the only other Mays that come close are 1972 and '75. If this follows through, we should have a fantastic season. What's doubly odd, is that this year follows a year with the worst May on record-1991. E skip affected FM on the 8th, 24th and 25th and possibly some of the other dates as well. Skip has mostly been of the intense variety this May-more like in June or July.

This May has featured a lot of movement of weather systems and has been somewhat of a cool wet month unlike 1991 which was very dry and hot and featured little movement of weather systems. This may have a lot to do with all the E-Skip we are enjoying here in the North East. If the summer stays moist, we should have some good tropes as well.

Jeff Wolf 1131 University Blvd W, Apt 701 Silver Spring MD 20902

## ALL May 1992 DX

7 ES 1803+1900 MUF 3	20 Tr 0700 W39AK VA	24 ES 1628 MUF 2 MUF 3	25 ES 1230 KJRH 2 OK
8 LS 1803 WYED 17 NC	0701 WJPM 33 SC 358	1742 f/o-MUF 2 1817	1247 KETS 2 AR
19 Tr 2259 WYED 17 NC 248	WCCB 18 NC 332	1915 WPBT 2 FL 900	1328 KOET 3 OK
2300 WBTW 13 SC	WRDC 28 NC 248	1959 CUBA 3-Canal 6 ID	1602 fade/out
2303 WPDE 15 SC 349	0715 WJZY 46 NC 339	2058 KTCA 2 MN 867	1800+MUF 2
20 Tr 0202 WKFT 40 NC 265	0730 WATL 24 SC 339	2101 UNID 3 FF	1957 KJRH 2 OK
0205 WRDC 28 NC-s/off	0739 WNCN 36 NC 332	2105 MUF 97.3	2210 MUF 2
0250 WAMS 30 ???	0745 WEFC 38 VA ???	2123 KDLO 3 SD	26 ES 1858 WPBT 2 FL 900
0259 WLFL 22 NC 251	0759 WBEA 14 SC 476	2125 KBME 3 ND	1938
0648 SC 13,23,43-T	0800 WOLO 25 SC 411	2252 KJSD 2 SD-?	TO MUF ch 5
TO 0656 NC 42,45-T	21 Tr 0106 NC 17,28,22,40	2320 MUF 2	1949
NC 16,17,36,40	0310 WCTI 12 NC ???-HSN	25 ES 0832 MUF 2-ch 3 @ 0857	2000 WEDU 3 FL 846
0659 WNSC 30 SC 369	0732 SC 13 cct, NC 39 ?	0927 KFTX 3 TX 1225	2009 CUBA 3
WRLK 35 SC 409	23 Tr 0959 WUNJ 39 NC 344	1000 MUF 97.5	2129 MUF 2
0700 WUNJ 39 NC 344	24 ES 1410 MUF 2-f/o @ 1510	1050 KATC 3 LA 1000	

Stephen West 26 Dougherty Blvd G 8 Glens Mills PA 19342

## ALL MAY 1992 DX

17 Tr 0630 WTVS 26 CT 186	20 Tr 0630+WAGT 26 GA 581	20 Tr 0630+H34AX NC	20 Tr 0630+HJZY 46 NC
20 Tr 0630+WDCB 18 NC 427	to WNSC 30 NC 459	to WRLK 35 SC	To 0930 WGGT 48 NC 362
WLTX 19 SC 489	0930 WJPM 33 SC 445	0930 WUNP 36 NC	24 ES 2000 WPBT 2 FL
			KDLT 5 SD

From VA BEACH On May 29th TR 1900-2400-Using R.Shack U-75 UHF ant, Winegard PA 4975 amp on 4th floor balcony

20,26,30,61 CT. 36,64 RI 22 (WMLP) MA Springfield All s/f at times. Note WSBK 38 Mass was also coming in SNOW FREE

on the CABLE TV, Not able to count it as DX! (According to club rules, If the Signal was picked up by the head end directly on the proper channel (ch 38 for WSBK) and not through a relay (microwave/satellite) you can in fact COUNT this as DX! Figure in the distance from the head end of the cable system along with the distance of station. Of course if you maintain a VA Beach Log you may enter this into your totals. Anything in a 25 mile radius is countable-BN)

Dude from Joisey PO Box 2999 Clifton NJ 07015-2999 N2QJJ U-120, AC-4990 amp, w/rotor @ 85 ft. Various TVs

Big Trop opening on May 20th, Had SC on FM here. WRLK 35 VA, WUNP 36 NC, WLFL 22 NC @ 450 mi, Norfolk/VA Beach 27,33 and others this morning. May 25th Big E-Skip Memorial Day all day skip on TV concentrated on FM. May 26 MUF 95.7@ 1752. On 30th MUF 5 @ 1225. June 1st NO TV Skip MUF 42.120 MHz! 3rd MUF 4 @ 2000. 4th 0700+ StrongTr to DC, Balt areas-s/f. Also on 4th MUF 6 @ 2030. 5th MUF 6 @ 0100 Scanner Skip to Pasco Co FL & 1224 MUF 96.5 to AL. 10th MUF 102.5 @ 2010 only 10 mins on FM @#58\*! June 13th 0700 Coastal stuff out to 125 miles-boring. Later same date MUF ch 4 @ 2230 approx. June seems to be turning out to be a real dud so far, if it wasn't for the great May Skip & Tropo I'd say the season stinks. Greg tells me Aurora occurred again on 6/12, There are days in June where no skip occurs even on 30-50 Mhz. Well lets hope June comes through with a decent opening.

GoodXing



# Television News

Doug Smith, Editor  
14 Brookside Court  
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W9MI @ W4HHV.TN



**ABBREVIATIONS USED IN THIS COLUMN:**

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

**APPLICATIONS FOR NEW STATIONS**

St	Ch	ERP	HAAT	City
CO	4	6.6	403	Grand Junction; G.J. Broad. Co.
VI	17	nc	429	Charlotte Amalie; Atlantic Broad. Co. (amended existing application)

**CONSTRUCTION PERMITS CANCELLED**

St	Ch	Call	City
IA	39	KZJB	Newton

**CONSTRUCTION PERMITS REINSTATED**

St	Ch	ERP	HAAT	City
FL	61	813	443	Palm Beach; WFGC
VA	24	5000	30	Danville; WPAJ

**APPLICATIONS TO MODIFY CONSTRUCTION PERMITS**

St	Ch	ERP	HAAT	Call	City
FL	61	5000	296	WFGC	Palm Beach
MT	6	nc	249	KPQD	Billings
TN	50	1225	347	WFBI	Memphis
VA	24	2027	168	WPAJ	Danville

**APPLICATIONS TO CHANGE EXISTING STATIONS**

St	Ch	ERP	HAAT	Call	City
AK	13	2.25	257	KTNL	Sitka
AL	25	1225	352	WHIQ	Huntsville
MD	36	240	199	WGPT	Oakland

(TL:39°24'14"N, 79°17'37"W)

**APPLICATIONS TO CHANGE EXISTING STATIONS (Cont'd.)**

St	Ch	ERP	HAAT	Call	City
MT	3	10.42	31	KYUS-TV	Miles City
OH	6	100	286	WSYX	Columbus
OK	62	100	139	KMNZ	Okla. City
PR	50	500	416	WQHA	Aguada

(TL:18°19'07"N, 67°10'48"W)

TN	17	3266	354	WZTV	Nashville
WI	38	60	360	WPNE	Green Bay

**CONSTRUCTION PERMIT MODIFICATIONS GRANTED**

St	Ch	ERP	HAAT	Call	City
TX	48	3162	160	KMZS	McAllen
UT	12	9.8	42	KUSG	St. George

**CHANGES GRANTED TO EXISTING STATIONS**

St	Ch	ERP	HAAT	Call	City
CA	11	79.4	nc	KNTV	San Jose
NE	19	767.5	342	KXNE-TV	Norfolk
OH	53	5250	207	WWAT	Chilli-cothe

**CALL LETTER CHANGES FOR EXISTING STATIONS**

St	Ch	Old	New	City
AZ	40	KPOL	KHRR	Tucson
FL	56	WAYK	WIRB	Melbourne
IA	15	KOIA-TV	KYOU-TV	Ottumwa
NY	4	WNBC-TV	WNBC	New York

**CALLS GRANTED TO NEW STATIONS**

St	Ch	Call	City
FL	27	WZWY	Orlando

The change of WOTV-8 Grand Rapids, Mich. to WOOD-TV has been withdrawn: it remains WOTV.

**NEW STATIONS ON THE AIR:**

**Porterville, CA: KKAK 61z:**  
 2510kW, 765m AAT  
 TL 36°17'14"N, 118°50'17"W  
 Same site as KNXT-49; about 40km E of Visalia.  
 Signon 5/6/92.  
 Independent.

**Bowling Green, KY: WKNT 40+:**  
 631kW, 161m AAT  
 TL 37°02'10"N, 86°10'20"W  
 Roughly midway between Bowling Green and Glasgow.  
 Signon 11/26/91.  
 Fox, primary for WGRB-34 in Campbellsville.  
 (these are essentially the same facilities as when it was WQQB)

**Roseburg, OR: KMTX-TV 46z:**  
 9.82kW, 103m AAT  
 TL 43°12'22"N, 123°21'56"W  
 Appears to be about 10km WNW of Roseburg.  
 (KMTX-46 signon:)  
 Signon 4/20/92.  
 NBC affiliate. (presumably satellite of KMTR-16 Eugene)

**OTHER STUFF**

That WPAJ-24 reinstatement looks like another one of those "the EPA will never approve!" installations, with 5000kW on a 30-meter tower! What's probably really happening-- they simply filed for the highest power available (they thought-- see next!) at a transmitter site they know is available-- planning on amending their application when negotiations for a "real" site are complete.

Bill Fahber brought my attention to the 5250kW grant to WWAT-53; he says "I've noticed a few of these 5000+ requests lately, and the FCC has been granting them." I'll have to go back and double-check our copy of the rules-- I sure don't remember the FCC repealing this one!

For the last year or two, the Big 3 TV networks have been slashing "compensation", the money they pay affiliates for carrying network programs. (and, not coincidentally, network commercials) Last year, ABC paid about \$103million; CBS \$121million; and NBC \$120million in compensation.

Now CBS, in a very surprise announcement, has taken this trend one step further, reversing compensation, asking affiliates to pay the network for programs.

Stations in the 100 largest markets will pay back to CBS 25% of what CBS paid them last year. In markets 101-150, 20% will be paid, and in 151 and up, 15%. Also, CBS will be keeping more of the advertising time in its programs, rather than allowing the affiliates to sell it.

An unidentified station executive told the NYC Post that compensation has represented 15%-30% of the annual revenue of some smaller stations. Many CBS affiliates are expected to preempt more CBS programming; one executive suggested some CBS affiliates may switch to Fox.

(The June 2 Post proposes taking this a step further,

requiring the networks to pay the viewers for certain offenses, with fines ranging from \$5 per viewer for changing a series' time slot, to \$30 for premiering a new "reality" series, to suspension of license for new series about talking dragons, babies or dogs. Cancelling a reality series would earn a \$35 credit!)

Several broadcasters are filing a petition to extend the conversion period for HDTV from the 5 year plan adopted by the FCC to something longer. Their primary concern seems to be high equipment costs.

Zenith's "Digital Spectrum Compatible HDTV" was demonstrated on May 28 with a broadcast from WMVT-36 Milwaukee to Zenith's tech center in Glenview, Ill., about 120km south. No interference was noted from W36AO Palatine, about 16km away; some credited this to the HDTV broadcast being digital while W36AO is a standard analog LPTV-- but photos indicate some fairly directional receiving antennas were being used as well.

James Roggentine sent along an article in the May 31 *Chicago Tribune* regarding this test. The reporter wrote "...displays had images sharp enough to impress video writers mightily", and "...the sound was as clear as those from a compact disk player heard over a fine stereo system." One large-screen rear projection monitor "...seemed a bit fuzzy around the edges", which Zenith blamed on something other than the HDTV system-- probably true, projection TVs require some critical optical adjustments.

Test transmissions included computer-generated video, movie scenes, and excerpts of Chicago Bulls basketball games, taped in HDTV. Some Bulls shots taped by WGN-TV 9 with regular NTSC equipment were upconverted & edited in.

The article mentioned that the HDTV signals could be broadcast on the "taboo channels"-- specifying, in the Chicago area, channels 3/4/6/8/10/12/13. I suspect UHF channels will actually be used. The article also promised that Milwaukee stations will not "beam shows to Chicago viewers"!

A research group has begun investigating the idea of "cellular" HDTV transmission. Some proposed HDTV systems could work with multiple low-power transmitters, rather than a single

high-power rig. This approach would solve serious problems for stations whose existing towers can't support another full-size antenna. (don't worry about clutter-- all calls would transmit on the same channel..)

Bill Fahber also had a few comments about my "Rules Primer" on HAAT. He, too, has noticed apparent inconsistencies in antenna height data; some members told him the FCC began allowing the use of aviation maps to determine HAAT. (especially in hilly terrain, the use of different topographic maps for determining HAAT could easily result in considerably different results)

"I would also find changes in height at the same TL where (change in height above ground didn't equal change in height above sea level). I used to joke about the ground sinking. But I think HAG is the more accurate, and the inconsistency resulted from not accurately knowing the elevation of the ground." Makes sense from here. HAG (and ASL) can be measured with altimeters etc.; HAAT, as it requires calculations & map reading, introduces a good chance for human error. Especially in the days before calculators, when the averaging of points could get messed up too.

As for stations whose antennas appear to be below sea level (for example, WIRS-42 mentioned last month), Bill says he thinks it was often the result of either swapping the numbers, or HASL being converted to metric, with HAG or HAAT left in feet. But there were some that seem just plain wrong-- and the FCC grants them anyway!

The Senate has passed a bill to fund the Corporation for Public Broadcasting, with an amendment attached banning indecent programs between 6am and midnight. (the indecency ban applies to commercial stations as well) Noncommercial stations signing off at or before midnight would be allowed to broadcast indecent programs after 10pm. ("Indecency" is defined differently from "Obscenity", the latter being already prohibited at all times) A court challenge is expected, and will likely succeed.

KVBC-3 Las Vegas and KRNW-4 Reno have filed a lawsuit against the FCC. They charge that the rules prohibiting advertising of gambling are unconstitutional. Casinos may advertise on TV, but mentioning or showing gambling is a federal crime. KFBI-33 Las Vegas

was recently fined \$12,500 for violations of anti-lottery rules, though I don't know whether casino advertising was involved.

Iowa's legislature passed a bill on May 22 blocking the sale of WOI-TV to Citadel Communications. Under state law, Iowa State University cannot sell real estate without the approval of state government.

The Fox network has decided to begin broadcasting 7 nights a week, starting this fall.

TV stations in the 50 largest markets aren't allowed to air network reruns between 8 and 11PM Eastern. This causes programming convulsions when changing population patterns cause markets to rise & fall in the rankings. 1992's "loser" is Little Rock, Ark., which moves from market 51 to 50; the "winner" is Albany, NY, going from 50 to 51..

I recently spent a weekend in Birmingham, Ala.. Had a bunch of FM notes, but there were also a few relevant to TV. First, WDBB-17 is not 100% parallel to WTTO-21; Sunday morning, WDBB was noted with a public-affairs program (with a set containing a large "17"), while WTTO was airing a religious program. I was staying on the wrong side of Red Mtn. to see WNAL-44, so I don't know which (if either) they were relaying.

Also noted was a W49AY with what appeared to be religious programming. Unfortunately, the signal was too snowy to read the city, and there was no audio.

W62BG (WDBB-17) was not seen. It's probably been rendered unnecessary by the WDBB/WTTO/WNAL relay. Or, was on the wrong side of Red Mountain.

## FORUM

Robert Kramer, Chicago IL:

Called twice with information on Chicago-area LPTVs, both noted on June 3. W54BE Sugar Grove (about 12km west of Aurora) has been running a color bar test pattern with ID, no programming yet.

W54AP Mokena (10km east of Joliet) is Catholic Views TV with cartoons, films, and interviews with a Catholic religious orientation. Few IDs, only one seen in 4 days of checking. He says it gets out pretty well, better than W54BE. There's another LPTV in Mokena, W23AT with Video Jukebox.

He says he hasn't seen the Dunes TV Network stations yet. There is a channel 54 in that net, but they're W54BK.

Bill Nienajadly, Clifton NJ:

First, Bill, congratulations on the ham license! WTFDAers in the USA really should check out the new no-code ham ticket; the 50MHz ham band is a great place to actually use E-skip openings while waiting for the MUF to reach channel 2.

Bill also called on Memorial Day morning to report some E that weekend; he logged one of my FM locals, unfortunately I was driving at the time.

In the newspaper clippings department, another article on the basics of LPTV, in William F. Buckley Jr.'s column. (as printed in the May 28 NYC Daily News) This based on an interview with W43AV owner John Kompas of Milwaukee. Kompas provides the (rather optimistic, I'd say) prediction of \$233,000-300,000 in profit after a year or two--and makes no mention of the problems involved in getting on cable!

In the June 12 Record (city unknown-- where in NJ, Bill?) the headline article announces a plan being developed to turn over control of the New Jersey Network (WNJS-23, WNJM-50, WNJB-58, WNJT-52) to WNET-13, which is technically licensed to Newark. Under the plan, WNET would abandon its expensive Manhattan facilities, and operate from NJN's two studio facilities, in Newark and Trenton.

WNET programs would be simulcast on WNJS-23 Camden/Philadelphia; the state would then try to sell the other 3 UHF stations as commercial outlets. I wouldn't be surprised if the FCC nixed the latter idea; and would be very surprised if existing NYC and Philadelphia stations didn't complain loudly! More likely, they could be sold as non-commercial stations, probably to religious outfits, and at a lower price.

Approval of the plan would be required of the FCC, the NJ Legislature, the governor, and NJN's and WNET's boards of directors.

Over 200 people have called a Dutch consumer hotline with reports of burning or exploding TV sets. One Hague resident reports her daughter's TV blew up while switched off, causing \$21,600 in damage. (however, modern TVs aren't really "off" when you turn them off!)

Several brands have been responsible, baffling consumer safety officials.

(Bill, I used other articles, from the June 2 Newark Star-Ledger and June 1 and 2 NYC Post, along with my other sources, in the "OTHER STUFF" section)

Dave Sinclair, Vancouver BC:

Dave has also (as of May 27) seen some E, identifying KOTA-TV3 Rapid City, SD. No Dave, my luck has been worse! Should have known better than to move to a city with channels 2, 4, and 5!

He's asking for reader input on the relative quality of Winegard and Channel Master antennas, having reached the impression that our members prefer Winegards. That would be my impression too, though I haven't installed enough large antennas to base that on any personal knowledge.

Also in Dave's letter was an excerpt from April 1992 Wireless World (U.K.) indicating plans for Britain's new Channel 5 TV network. Government and network officials plan a network of 33 transmitters, 27 of them on (European) channels 35 and 37, currently unused for TV in the U.K..

Precision frequency control will be used to reduce co-channel interference; visual carrier frequency tolerance will be +/- 1Hz. This scheme, involving ultra high stability reference oscillators & frequency comparison against atomic clocks, has been used by some U.S. stations for many years, but is new to the U.K..

Due to differing transmitter sites, and the use of vertically-polarized antennas at some sites, it's estimated that 75% of Channel 6's potential viewers will need to install new antennas to receive the station. Another potential problem are VCRs, most of which are factory tuned to channel 36. (also previously unused) Some are expected to have drifted into channels 35 or 37; these will also have to be adjusted.

Wendell Ford, Westville IN:

Sent along an article from the March 21 Michigan City News-Dispatch about W04CQ. Owner Wayne Chubb says "reaction from sponsors has been very good". (wait until they find out W04CQ isn't on cable!) Also sent along were a W04CQ coverage map (roughly, the northern half of Porter County), an ad for viewers

asking them to call 219-929-4400 with local news & activities, and an advertising "rate card", with "purchase agreement". A 30-second spot every hour between 4 and 10PM one day costs \$90; 30-seconds every hour around the clock for 24 hours is \$120. Wendell, are these guys cross-promoting with WEFM?

#### Tom Bryant, Nashville TN:

Tom called in to clarify the "7/35" ID seen on WTVW Evansville. Another opening brought them in snow-free; and the word "years" is supered-- in really small print-- across the "35". No translator here.

### FCC RULES PRIMER

Another mysterious term commonly found in FCC FM and TV info is "Effective Radiated Power", or ERP.

While TV stations may run 100 or 316kW ERP on VHF, and 5000kW on UHF, transmitters of more than 50kW VHF or 220kW UHF are very rare. It's the transmitting antenna that makes up the difference.

Of course, an antenna can't generate RF power; only a transmitter can do that. An antenna can, however, concentrate that power where it does the most good. It does little good to transmit a signal above the horizon-- the signal will just go out into space, and the shuttle astronauts don't have time to be watching TV! It also doesn't do much good to transmit too much signal straight down; that signal doesn't have to travel too far to reach the viewers near the tower, so it doesn't have to be particularly strong. So, antennas are designed to concentrate power along the horizon.

To keep stations from interfering with each other, the FCC needs a way to determine just how concentrated a station's power is-- if WXXX-TV is throwing its 20kW up into space & down into the ground, the Commission doesn't have to protect them from interference quite so far away!

Imagine that you have a TV with a signal-strength meter, and you live some moderate distance-- 15km, say-- from WXXX-TV. WXXX fires up their transmitter, set to 20kW, into their shiny new 3-bay antenna, and you get a signal meter reading of 9. Now, they replace the 6-bay with an "isotropic" antenna (a theoretical antenna that radiates equally well in all directions) and bring the transmitter up again. At 20kW, they're going to read less than 9,

as some of the power that was being directed your way before is now going into outer space. They start cranking up the transmitter; when they reach 40kW of transmitter output, your meter finally reads 9.

They now know that, when running 20kW into the 3-bay, they have an "effective radiated power" of 40kW. (because it took 40kW of power, spread in all directions, to provide the same signal strength) Or, you could say, the 3-bay antenna has a gain of 2, or 6dB.

In practice, much higher gains can be obtained; gains in the order of 10dB are not unusual at VHF; 15dB at UHF.

But another factor has to be considered: feedline loss. Serious DXers are all too familiar with this; in general, the longer the feedline, the more the losses. Transmitting stations use much larger (and more expensive) feedline than receiving DXers, but there's still line loss. This loss also has to be factored into a station's coverage area-- WTTW-11 atop the Sears Tower (where the antenna is probably within 60m of the transmitter) loses a lot less power in its feedline than KTHI-11, which has to send the RF up a 600m tower! In a transmitting station, feedline losses are on the order of 1dB.

Related to ERP: "beam tilt" and "null fill". When designing a very high gain antenna (especially when trying to get more than 2500kW ERP at UHF), it's possible to concentrate the power too much, and not leave a strong enough signal near the tower to override signal that may reflect from guy wires, other towers, buildings, etc., and cause ghosting. "Beam tilt" involves intentionally radiating some of the power below the horizon, evening things out. The procedure does cost some gain, but if the tower is close to a populated area, it may be necessary.

Also, the pattern of a transmitting antenna in the vertical plane isn't a nice smooth curve-- it has peaks & nulls. Nulls can be VERY deep, and if they aren't attended to, people unlucky to live in a null (they often fall in a circle around 15km from the tower) may receive an unexpectedly weak or ghostly signal. Antennas can be designed to "fill in" these nulls, also at the expense of some gain.

Very little Es noted here... Best opening occurred during the ARRL VHF Contest June 13/14.

73 Doug

## SATELLITE NEWS



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

The summer bodes to be a very busy one with a number of launches planned with the ensuing changes in satellite services. Most of these new birds will be like the new Galaxy 5 and will offer 16 watt transponders. Below is the revised menu for Galaxy 5. These services are on the air.

#### XPDR

- 1 - Disney - East
- 2 - -----
- 3 - Trinity
- 4 - The Sci-Fi Channel - Fall, 1992
- 5 - C N N
- 6 - WTBS - Superstation TBS
- 7 - WGN - Chicago
- 8 - H B O West
- 9 - ESPN
- 10 - Shop-At-Home
- 11 - The Family Channel - East
- 12 - -----
- 13 - C N B C
- 14 - The Movie Channel - West
- 15 - HBO - East
- 16 - Cinemax - West
- 17 - T N T
- 18 - The Nashville Network
- 19 - USA - East
- 20 - Black Entertainment television (B.E.T.)
- 21 - -----
- 22 - CNN Headline News
- 23 - Arts and Entertainment (A&E)
- 24 - Showtime - east

#### Changes on Spacenet 2

- 21 - Cornerstone Television (religious) relays  
WPCB ch 40 - Greensburg/Pittsburgh, Pa and  
WKBS - ch. 47 - Altoona/Johnstown, Pennsylvania
  - 22 - remains S U R from Lima, Peru
  - 23 - A Prime Network affiliate that rarely ID's -  
might actually be Buffalo, New York??????
- S C O L A has moved from Spacenet 2 23 to Spacenet 1-24

Many thanks to Clarence A. Whitaker of Vicksburg, Miss. who has ID'd the 2 Morelos channels

- M2 - 21 is a cable movie service
- M2 - 23 is Cable Shorts..

I hope to get back in touch with Clarence shortly as I feel that there's a lot on these birds that I don't even know about..

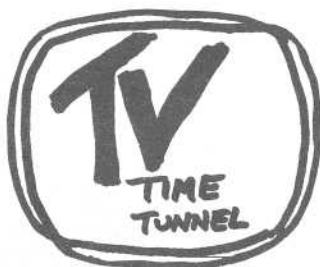
In August Satcom C4 will launch to 134 West  
Galaxy 1R will launch in August and replace G-1  
In September - Satcom C3 to 131 West  
Galaxy 7 will launch in November.  
Others are coming in 1993

That's all for this month - see you in 30.  
The yearly reviews will be coming along soon....  
'73's

*George W. Jensen*



MOST OF THE ID SLIDES AND TEST PATTERNS IN THIS MONTH'S FEATURE WERE SUPPLIED BY BILL ECKBERG OF DIXON, IL. TWO CAME FROM ROBERT WILLIAMS OF TWIN FALLS, ID.; AND ONE IS FROM MY ARCHIVES. YOU'LL BE SEEING A LOT MORE OF ROBERT'S WORK, INCLUDING SOME PENCIL-SKETCH REPRODUCTIONS THAT ARE TRULY WORKS OF ART!



PREPARED FOR THE VUD AND WTFDA MEMBERSHIP BY TOM BRYANT; 849 TODD PREIS DRIVE; NASHVILLE, TN; 37221

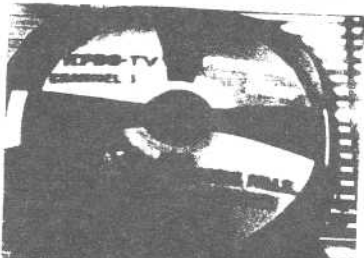
THE WAY THEY WERE



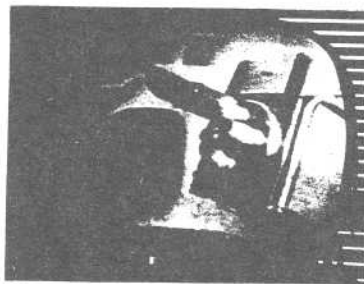
GREAT SHOT OF A UNIQUE PATTERN. ABC CHOSE TO OMIT THE CITY (CHICAGO).



THIS WAIQ-TV ID IS FROM THE OLD APTV TRANSMITTER SITE AT ANDALUSIA, AL.



KFBB-TV IN GREAT FALLS, MT INCLUDED THE PROGRAM START TIME ON THIS ONE.



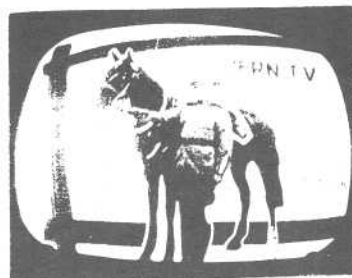
SURPRISE! WEHT (Evansville, IN) WAS ON 50 IN THE EARLY DAYS [now 25].



"STORER BROADCASTING" GETS A MENTION ON THIS VINTAGE CHANNEL 13 PATTERN.



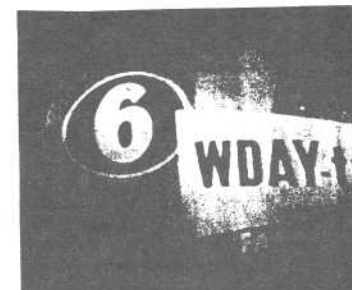
KS00-TV IN SIOUX FALLS (now KSFY) WAS ORIGINALLY AN NBC AFFILIATE.



APPROPRIATELY, A 'MOUNTIE' ADORNS THIS CFRN-TV (3) EDMONTON, AB SLIDE.



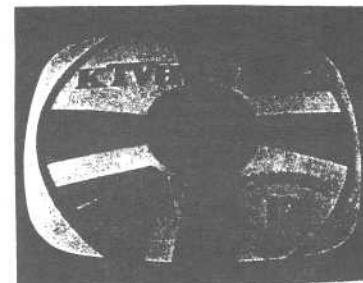
THE CALL AND CITY IN BOXES REALLY MAKE THIS KUTV PATTERN STAND OUT.



INTERESTING GEOMETRY HILITES THIS EARLY '60s WDAY CATCH BY ECKBERG.



THE WTRF AND WTVS TEST PATTERNS ARE FROM BOB WILLIAMS' COLLECTION. NO, HE DIDN'T SEE 'EM IN IDAHO...FELLOW DIERS SENT THEM! THE 56 DETROIT VERISON WAS AN EARLY COLOR PATTERN, WITH THE TEST COLORS (red, cyan, magenta, etc.) SEEN IN THE PIE-SHAPED WEDGES SURROUNDING THE BULLSEYE.



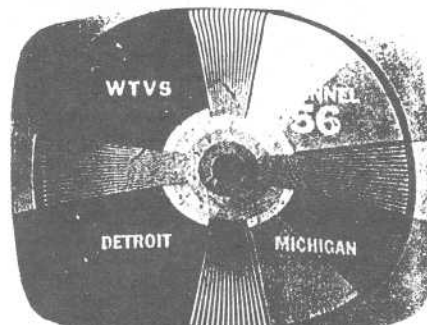
NOTHING FANCY ABOUT THE HUTCHINSON PATTERN... "TV" GETS THE EMPHASIS!



11 IN LITTLE ROCK HASN'T CHANGED THEIR ID MUCH SINCE THIS 50's SHOT.



YOUR EDITOR TOOK THIS 11 AM KTTV SHOT IN A LOS ANGELES HOTEL IN 1961.





# STATISTICS

FRED NORQUIST  
7945 BOXFORD RD  
CLAY, NY 13041  
DEADLINE: THE 5TH

UPDATED 6/7/92

FM SCOREBOARD

DXER NAME	DXER LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS OF:
DYER PAT	TX SAN ANTONIO	2534	403	2071	67	0	44+	4	21	5	75	70	02/28/92
STROBEL RALPH	IN MUNCIE	2047	539	660	157	7	43+	7	2	2	55	72	06/02/92
BUNTIN DANNY	OK STILLWATER	1943	322	1159	4	0	48+	5	9	2	65	74	05/15/92
ELVING BRUCE	MN DULUTH	1750	318	1375	9	8	47+	4	1	0	53	48	02/10/92
EBELING JOHN	MN BLOOMINGTON	1702	291	980	46	83	47+	6	5	0	59	52	01/01/92
FELA JOSEPH	NJ S. PLAINFIELD	1616	336	869	2	10	37+	6	0	3	47	68	02/08/92
NORQUIST FRED	NY CLAY	1595	327	788	45	59	41+	5	0	3	50	69	05/25/92
BUGAJ MIKE	CT ENFIELD	1592	217	873	23	23	37+	5	1	2	46	74	11/21/91
PUGH KEITH	AL NEW HOPE	1590	238	811	44	3	43+	7	10	2	63	83	09/08/90
NIEMAN DAVID	NY AKRON	1433	387	431	49	26	43+	8	0	3	55	59	12/27/91
CONIGLIO GREG	NY WILLIAMSVILLE	1427	202	700	18	36	38+	8	1	2	50	85	01/02/92
MCCORMACK FRED	ND FARGO	1339	305	990	3	52	48+	6	3	0	58	74	08/03/90
SEYBOLD BOB	NY DUNKIRK	1326	212	611	0	2	45	8	3	3	59	58	06/24/90
EBELING JOHN	MN PROSIT	1184	228	800	3	5	48+	9	2	0	60	75	01/01/92
JEFFERSON JOHN	CA ANTIOCH	1179	263	688	15	1	29	4	5	0	38	74	01/21/91
BRUMFIELD DAVE	IN RICHMOND	897	165	325	15	0	36	4	2	2	44	81	09/01/91
SHOLAREK BOB	NJ OLDWICK	890	149	385	2	0	36+	3	0	1	41	78	02/18/91
HOLBROOK HANK	MD CRYA CHASE	866	224	234	18	0	35+	6	0	3	45	59	10/05/91
MICHALEK ALAN	MA SPRINGFIELD	812	106	495	0	0	36+	5	0	0	42	52	10/01/90
OETTING DANIEL	PA EXTON	756	190	250	9	2	34+	6	0	0	41	77	06/07/91
ALLEN DOUGLAS	CO WOODLAND PARK	711	116	489	44	0	39	4	3	0	46	88	10/30/90
SHAFTAN RICHARD	NJ ROCKAWAY	708	168	233	6	0	32+	4	0	1	38	78	06/04/92
GREENE GEORGE	OH AKRON	706	54	234	0	0	33+	3	0	0	37	71	03/09/91
ROSS ROBERT	ON LONDON	682	185	280	0	0	33	6	0	3	42	76	02/11/91
BRUMFIELD DAVE	IN MUNCIE	682	149	65	1	0	29	1	1	0	31	79	03/01/90
NIENAJADLY BILL	NJ CLIFTON	640	103	235	8	0	34+	2	0	1	38	75	01/30/92
HALL D. BRUCE	ON BRANTFORD	503	95	10	55	2	34	4	0	1	38	90	12/04/91
HEADE LARRY	IL CHICAGO	459	85	65	6	0	23	2	0	0	25	79	09/05/90
SITTEL MATT	NC RALEIGH	456	66	164	0	2	23+	1	3	0	28	88	01/02/92
NOLLMAN BILL	CT NORWICH	453	46	155	17	0	31+	9	0	1	35	81	11/24/91
NIEMAN DAVID	NY ROCK CITY	364	78	5	8	0	12+	2	0	0	1591	12/27/91	
HEPBURN WILLIAM	ON BRAMPTON	309	183	83	1	6	21	2	0	1	24	85	11/10/91
HAWK MIKE	NE OMAHA	304	54	18	17	0	23	1	2	0	26	91	04/20/92
BRANDENBURG TODD	KS SILVER LAKE	300	46	32	0	1	24	0	0	0	24	80	09/02/90
MANCUSO GUS	MD CHEVERLY	259	41	31	0	0	22+	0	0	0	23	70	03/26/91
MANCUSO GUS	WV BIRCH RIVER	228	20	4	0	0	15	0	0	0	15	87	03/26/91
RENFREW JIM	NY ROCHESTER	185	37	2	0	0	6+	2	0	0	20	9	06/15/91
HEADE LARRY	KY PRICE	165	35	0	14	0	10+	0	0	0	11	79	09/05/90
WHEELER FRANK	PA ERIE	162	23	2	0	0	8	1	0	0	9	64	08/20/90
ONYSCHUK KEN	IL RIVERDALE	141	30	0	0	0	7	0	0	0	7	68	06/30/91

\* VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from Dxer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es = Total number of stations logged via E-skip. MS = Total by meteor scatter. Au = Total via Aurora. USA = Total number of states and the "\*" = Washington, DC. CN = Number of Canadian provinces logged. MX = Number of Mexican states logged. FO = Number of foreign countries, but not Canada or Mexico. TPU (Total number of political units) = Sum of USA CN MX and FO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in AUGUST 88 VUD Page 48. Note: This is a complete listing of entries received in the decade of the '90s. Please update/submit your stats...73-Fred.

PERSONAL BESTS - FM STATISTICS - 6/92

CHANNEL METRICS - Pat Dyer - San Antonio TX - (2/29/92)

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	31	29	15	13	22	19	45	35	19	18	29	28	10	16	14	44	34	21	18	50	510
.3	31	29	12	10	42	37	44	54	16	2	34	28	6	13	48	29	15	9	51	22	532
.5	40	27	15	13	45	67	43	35	36	17	40	8	7	26	14	13	3	34	20	4	507
.7	21	26	10	7	57	32	20	37	41	63	29	12	23	9	1	20	13	23	19	16	479
.9	32	21	7	5	2	26	41	29	35	37	26	32	9	3	10	43	56	28	17	36	495
TOTAL	155	132	59	48	168	181	133	190	147	137	158	108	55	67	87	149	121	115	125	128	2523

AS OF: 06/04/92

STATES  
USA

FA STATISTICS  
KEY TO DXER INITIALS/LOCATION

PU	#	DXER	#	DXER	#	DXER	#	DXER	#	DXER	#	DXER	#	DXER
AL	106	KPU-	56	JER-	LA	72	RSA-	63	BEL2	OH	224	RST-	177	FRE-
AK	11	JJE2	0	none	ME	40	RST2	30	KPU-	OK	128	DBU-	53	JJE2
AZ	49	PDY-	36	JJE2	MD	54	JFE-	48	GMA-	OR	31	JPI-	29	FNC2
AR	86	DOD-	61	VER-	MA	54	RST2	77	KPU-	PA	168	DWI-	134	FNO-
CA	380	JJE2	127	PDY-	MT	157	RST-	139	FAC-	RI	14	WNO-	12	RST2
CO	107	DAL-	70	JJE2	MA	176	JER-	161	JER2	SC	56	PDY-	54	MS11
CT	49	NBU-	42	AMI-	MS	78	KPU-	64	TAC-	SD	40	JJE2	39	KPU-
DE	13	DOE-	12	JFE-	MD	118	FAC1	94	DBU-	TN	110	KPU-	93	JAY-
FL	154	PDY-	147	DBU-	MT	29	JJE2	25	JPI-	TX	309	PDY-	211	RSA-
GA	102	KPU-	97	PDY-	NE	61	MA-	52	JJE2	UT	29	PDY-	22	DBU-
HI	0	None	0	None	NV	24	PDY-	24	DBU-	VT	14	KPU-	13	AKI-
ID	28	DBU-	26	PDY-	MT	27	RST2	17	AMI-	VA	61	MS11	60	JFE-
IL	200	FAC1	197	RST-	NJ	76	JFE-	69	RSM-	WA	46	FAC2	30	JJE2
IN	186	RST-	132	DAR-	NY	51	JJE2	44	KPU-	WV	39	RST-	33	FAC1
IA	120	RBA-	107	JER-	NY	213	FNO-	182	DWI-	WI	136	BEL2	127	JER-
KS	93	DBU-	78	TBR-	NC	117	MS11	83	PDY-	WY	26	RST-	25	PDY-
KY	106	RST-	69	DAR-	ND	34	FAC-	34	FAC2	DC	13	GMA-	13	DWI-

CANADA/MEXICO/FOREIGN STATS

PU	#	-DXER	#	-DXER	PU	#	-DXER	#	-DXER	PU	#	-DXER	#	-DXER
CANADA					MEXICO (CONT)					MEXICO (CONT)				
AB	29	JJE2	28	JER2	CHI	8	FAC-	6	FAC-	SJP	2	TAC-	0	None
BC	20	JJE2	11	JER2	DSP	3	PDY-	0	None	SDM	5	PDY-	3	JJE2
MB	15	FAC-	13	FAC2	COA	8	FAC-	6	PDY-	TAB	2	TAC-	2	PDY-
NB	9	FAC1	6	RST-	DF	21	TAC-	21	JPI-	TAM	8	PDY-	6	KPU-
NF	13	FNO-	12	DWI-	DUR	1	PDY-	0	None	VZJ	9	JPI-	6	KPU-
NS	15	FAC1	9	KPU-	GRD	5	PDY-	1	JPI-	YUC	2	JPI-	2	PDY-
ON	117	DWI-	108	BGO-	GTO	9	JPI-	2	TAC-					
PEI	2	JFE-	2	RST-	HGO	1	JPI-	0	None	FOREIGN				
PQ	28	FAC1	28	DWI-	JAL	12	TAC-	10	PDY-	CUBA	6	RST-	5	FAC1
SK	9	JJE2	8	FAC1	MEX	3	JPI-	3	PDY-	BELIZ	3	PDY-	1	JPI-
NWT	1	WHE2	1	JER2	MIC	3	JPI-	1	PDY-	BERMU	3	DWI-	2	FNO-
					MOR	5	PDY-	3	JPI-	EL SA	8	PDY-	1	KSI-
MEXICO					NL	16	PDY-	14	KPU-	GUATE	15	PDY-	4	KSI-
AGU	1	JPI-	0	None	OAX	1	JPI-	1	PDY-	HONDU	2	KSI-	2	PDY-
BCH	14	PDY-	10	FAC-	NAY	1	PDY-	0	None	JAMA1	14	KPU-	3	JPI-
BCS	1	PDY-	0	None	PUE	5	PDY-	4	TAC-	PUERT	4	KSI-	1	DWI-
CMR	1	JPI-	0	None	SIN	2	JJE2	1	DBU-	D.REP	1	KSI-	0	None
										BAHAM	1	FNO-	1	WNO-

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION. FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED...FJM.

CHANNEL METRICS - Fred Norquist - CLAY NY - (6/4/92)

MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
.1	23	14	22	15	5	9	23	12	16	18	13	19	28	12	13	9	19	10	14	17	311
.3	5	14	21	9	17	16	23	20	12	13	13	8	27	9	21	18	7	7	16	11	287
.5	14	18	21	7	17	35	9	25	14	20	20	19	6	22	11	22	14	34	15	16	359
.7	16	12	21	19	31	24	19	24	30	27	12	13	18	15	12	19	5	13	17	12	359
.9	24	10	25	17	18	19	18	11	11	12	9	13	6	25	7	12	5	21	8	8	279
TOTAL	82	68	110	67	88	103	92	92	83	90	67	72	85	83	64	80	50	85	70	64	1595

Personal Bests - Ralph Strobel - Muncie IN (6/2/92)

Farthest Es/MS: KXCK 101.1 UT 1482 Mi., Farthest Tr: KXKR-93.9 TX 1098 Mi. Closest unheard state: DE  
Closest Es: KDWZ 93.3 IA 441 Mi., Closest MS: WABC 94.1 OH 215 Mi. Best Freq: 88.1-51. Best MS Freq: 101.1-22.

Personal Bests - Rick Shaftan - Rockaway NJ (6/4/92)

Farthest Es: KLBJ 93.7 TX 1498 Mi., Farthest Tr: WHTK-99.7 SC 681 Mi.  
Closest Es: WNIJ 96.9 IL 836 Mi., Closest unheard state: WV

I'm continuing to expand my data base of cities (now up to 4908) in North and Central America giving the grid coordinates of all cities that have FM/TV stations (excluding translators). The data base is organized into files for each political unit (e.g. states/provinces/foreign political units), and is used in conjunction with a BASIC computer program to calculate Great Circle distances between DXer locations and DX stations. This program is used to check distance records for Statistics. This computer program can also calculate the distances (in miles and/or kilometers) of all cities in the data base from any DXers location! If you are not concerned with knowing the exact distances of the transmitter tower locations from the center of each city, then you may want to have a printout of this data base for your location to assist you in including distances with your DX reports in the VUD. You can request a 10 page listing (in miles only) for a \$2.00 donation, or a 16 page listing (miles/kilometers) for a \$3.00 donation to cover cost of printing & mailing. 22 orders have already been filled. Thanks to those of you who have made suggestions/corrections to improve this handy personalized listing. Please include with your request the Great Circle Coordinates of your DX location (e.g. lat. 43 deg 8 min N & long. 76 deg 8 min W). Delivery should be within 10 days of your request. 73 - Free.

#### WTFDA GUIDELINES FOR COMPUTING TV-FM DISTANCE RECORDS AND SCOREBOARD TOTALS

1) A TV station received on more than one channel (when it changes channel, but retains its identity) may be counted once for each channel, excluding change in offset on the same TV channel. Simultaneous reception of the same station on more than one channel is usually a receiver problem only, though you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies, or varies more than 100 kHz from its normal frequency. DXers should be certain they are not counting receiver images or mixing products.

2) Stations operating successively on the same channel in a single city that are clearly unrelated (i.e., with different call letters and a hiatus in occupation of the channel, or non-renewal of the first station's license) are counted as separate stations.

3) A move in a station's transmitter location does not allow it to count as a new station unless the CITY OF LICENSE also changes. Thus, a station starting in a small city and later moving both transmitter and identity to a larger city, if received during both phases of operation, will count twice. Stations moving antenna from downtown to suburbs, for example, with no change in the city of license, count only once. The addition of a city to a station's identity (multiple city station identification) does not count as a new station.

4) A change in call letters per se is not sufficient reason to count that station as new, whether or not a change in ownership is involved in a continuously operating station. Power level or changes in power alone shall have no bearing on these guidelines.

5) Sharetime stations (rare cases of two stations in the same coverage area sharing the same frequency at different times of the day) count as one if they share their transmitter; individually if they have separate transmitter sites.

6) DX received via cable TV may be counted if the station was received off the air on its original frequency at the CATV headend, from which distances must be measured. TOTALS INCLUDING CATV MUST BE SPECIFIED.

7) The precise location of the transmitting antenna of the station shall be the determining factor in computing the DX path distance and tallying the number of political units received.

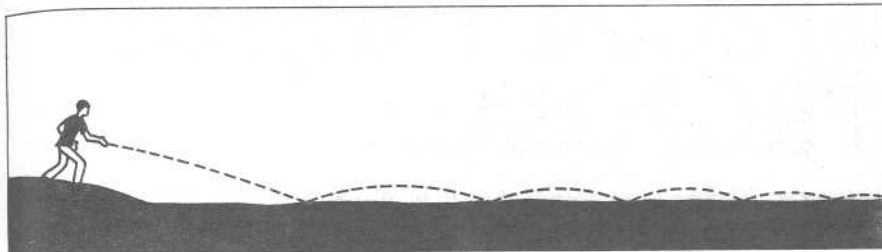
8) Verifications are not required; however, contributors must be reasonably certain that all stations claimed were received. Those totals limited to verified only should be labeled as such.

9) DX obtained by recording only, and not witnessed at the actual time of the reception, is eligible--so long as the DXer chose the frequency and prepared the recording apparatus. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only those having an active part in the reception may claim the DX.

10) Translators and experimental stations, as well as unlicensed outlets such as pirates and clandestines, are eligible. Harmonics of TV video signals are eligible if they fall within another TV band, and those of FM stations are eligible if the harmonics fall within the FM band. But utility stations monitored on FM or TV, and CATV radiation, do not count.

(EDITOR'S NOTE: Remember, these are to be used for reporting to VUD columns. Feel free to count your station totals any way you like in your own log, but please follow the above guidelines for WTFDA purposes. WTFDAers come from varied backgrounds and differ widely on how to count station totals; without the above, it would be like comparing "apples and oranges" when reading DX report columns. These are essentially the same guidelines in use since WTFDA began, and comments on them are always welcome--but remember, unless reporters follow the same standard in counting stations, it's very hard to compare their results.)

## E SKIP ACROSS THE WATER?



Article for V.U.D. by Lawrence Curcio, KA1ZA

It happens every year, or almost that frequently but no-one seemingly notices. Or at least, they are not looking. What am I talking about? Why, its trans Atlantic multiple hop E SKIP, or its west coast equivalent trans Pacific skip. If you ever read some of the excellent European based DX magazines, SHORTWAVE magazine from England or any of the European VHF bulletins, you will know what I mean. Several times during the summertime E SKIP peak season, Europeans have had traces (sometimes even identifiable) of U.S./and or Canadian video signals from this "side of the pond" on 55.25, 61.25, and 67.25 MHz (our own channels 2, 3, 4).

My question to you out there is "Why is this not reciprocated?" If the DXers on the European side of the "pond" get multiple-E (2 hops is all it would take from most of England to extreme Northeast U.S. and eastern Canada), why doesn't anyone seem to report some kind of traces, perhaps just even in the form of interference on local or regional channel 2 through 6 stations?

The possible explanations are many. I notice that many of the European DXers are really adept at going after the more "exotic" type of E SKIP DX, the type that most people here seem to ignore. They definitely have better equipment on the receiving end over there. You don't see a lot of front-end overload on TV sets in many of the places I have visited in Europe, even the ones near the transmitter sites. Many of the European nations have moved away from VHF, leaving those frequency bands clearer for "wide-open" E DXing. In France, they seem to have "re-invented" VHF. Also, in the States, DXers may usually have their antennas pointed the wrong way! What I mean by this is, for example, a hypothetical DXer living in Massachusetts or New Hampshire is NOT going to usually point his beam at London when Chicago is coming in! We may be so pre-occupied with stateside single hop E SKIP that we don't even try the other directions. North American DXers who DO look for signs of Europe DX have checked into bulletins. One did when I lived in Germany, he was in New Hampshire, and he had received 48 and 49 MHz sound channels from across the Atlantic several summers in a row about 8-10 years ago. I don't think he had the equipment to decode their video standards, but odd-looking interference on the video was also encountered, and this was definite weak E. NOT F2 layer!!!

For all we know, perhaps this is happening every year. It tends to happen (going by amateur radio VHF reports) in the last week or so of June, and sometimes early or late July. And most interesting of all, it seems to happen ON A DAY WHEN E SKIP IS POOR TO NON EXISTANT IN NORTH AMERICAN PATHS! Does this tell you something? On days when conditions seem poor with E skip in the summer when you expected them to be good, then LOOK TOWARDS THE COAST. Specifically, point your antenna out towards the Maritime Canadian providences, or maybe even point it North to an area where you never or rarely get E stations! I have seen signs of odd cochannel interference in New England in Summer, even when in RF-overloaded places like Scituate, Mass.

DXers, consider the potential rewards of an expedition to Maine (stay away from Bushes' place, they'll think you are a terrorist with all your antennas) or, much more productive (I know--I have been up there) the Maritime Canada area, where the 2 hop range is close to ideal, and almost totally over water--which always will enhance any E SKIP results.

I've noticed the trouble with most all DX groups is that everything seems to be keyed to the "cliques". Always the "same" names reporting the "same" old stuff over and over again. Well here's your chance to break new ground and discover some really new and different DX--check those "impossible" coastal directions regularly when you are observing conditions. You may be the first to see something that everyone else is busy ignoring, just because the usual grunts are looking in the wrong direction and grouching about how bad the skip is! And...watch out for those days when it doesn't seem to be "skipping" anywhere within the continent!



# SPECIAL PROJECT PROPOSAL

Along with being a member of the WTFDA, I also write a column for Monitoring Times called American Bandscan.

I would like to compile 5 maps of North America, one for each channel 2 through 6. Each station that operates on these channels will be pinpointed on the map, and each station's address and phone number will be listed on the reverse for easy reference.

To make this reference more useful, I would like to include the logos of each station to aid IDing the stations, especially during E-skip conditions. Using the maps, with logo neatly arranged, you will enjoy E-skip with hopefully more accuracy, and will be able to map out the travel of the skip as it changes, etc.

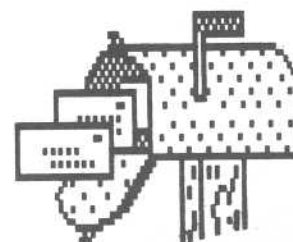
Would readers please send in logos of your local channels 2 through 6 for inclusion in these maps?

If you send along an SASE, I will be glad to send you the finished product gratis. If the project proves successful, I will move on to expand to cover all the channels in use in North America.

I am especially interested in Canadian stations, since I know of no detailed and reliable reference of the stations in The Great White North.

Thanks for your time and consideration!

Karl J. Zuk - 154 Old Post Rd. North - Croton-on-Hudson, NY 10520



**YOUR COMMENTS  
AND CRITICISMS  
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