

POST OFFICE BOX 514-BUFFALO, NY14205-0514-USA WORLDWIDE TV-FM DX ASSOCIATION

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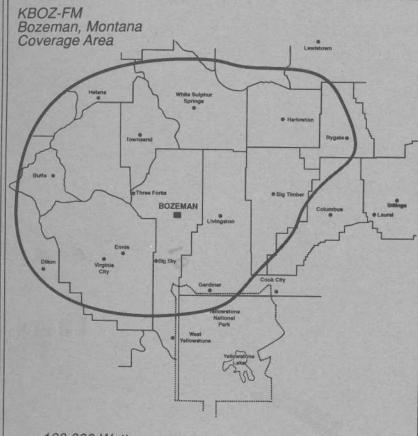
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FEBRUARY 1992



100,000 Watts 24 Hours A Day



DX CHASING OF AMATEUR RADIO TV SIGNALS

by Mike Stone WB0QCD R2 Box 86, Clarence, Iowa 52216-9534

I have subscribed to the VHF/UHF DIGEST for many years now. I am really amazed at how serious all of you are about monitoring Radio and TV DX signals. I read through just about all the submitted DX REPORTS in every issue. Most of you have multi-element, high-gain beam TV antennas or dishes and nearly all use mast-mounted preamplifiers and low-loss coaxial cable of some type. If I were to tell you, that even though you are religiously "tuning-in" VHF and UHF commercial broadcast TV stations, the new LPTV stations, Satellite TVRO downlinks, etc. - that you were MISSING a whole segment of TV signals that you probably didn't know about, you'd think I was crazy, wouldn't you?

AMATEUR RADIO TV is authorized by the F.C.C. to licensed Hams with the TECHNI-CIAN CLASS license and above. There are a thousands of Amateur LPTV studios all over the country. Most likely, there are a few dozen right in your own home town that YOU can begin to MONITOR immediately! Amateur TV (ATV) is actually a standard NTSC Fast Scan TV wideband AM modulated emission complete with an FM audio subcarrier (4.5 MHz above the video carrier) sound signal just like commercial TV. It can be received on a standard TV scan and recorded on a standard VCR. ATV 'licensed' operators usually run 1 to 10 watt TV transmitters and boost their signals to 50 to 100 watts (some a lot more). They then feed this signal into high-gain beam antennas for some pretty respectable E.R.P.. In many larger metropolitan areas, ATV REPEATERS have been erected e-x-t-e-n-d-i-n-g the range of individual ATV transmitting facilities. These REPEATERS use omni-directional antennas so that the relayed TV signal radiates in "all' directions for everyone to see. relayed TV signal radiates in "all" directions for everyone to see.

WHERE CAN I TUNE TO SEE THESE HAM-TV SIGNALS? ATV stations operate on UHF in the 420-440 MHz band. That is just below Channel 14 on your TV sets. Some sets and UHF in the 420-440 MHz band. That is just below Channel 14 on your TV sets. Some sets and VCR tuners CAN tune down low enough from Channel 14 to pick up these signals. Most do not. There are some simple modifications that can be done to TV sets to expand coverage down into this area. If you own a Cable-TV converter box, certain channels used by the Cable-TV industry fall right on top of Amateur TV frequencies. Channels 57, 58 and 60 can pick up HAM-TV signals if you will disconnect your cable-TV coaxial cable and plug in an outside antenna. You'll probably need a preamp and maybe even a special beam antenna cut for the 70 CM HAM band that will pick up these LPTV signals even better. Hams on TV use what's called an ATV DOWNCONVERTER very similar to the cable-TV box. This 'magic box' device converts the 420-440 MHz Ham band into Channel 3 or 4 to your TV set. ATV DOWN-CONVERTERS have very sensitive GAASFET preamptifiers builting to enhance and brighten. CONVERTERS have very sensitive GaAsFET preamplifiers built-in to enhance and brighten incoming images. They run around \$40 in "kit" form and about \$80-\$100 in assembled form. There are several manufacturers making these devices.

WHAT WILL YOU SEE ON ATV? - All kinds of very interesting transmissions! You think "AMERICA'S FUNNIEST VIDEOS" TV show is a lot of laughter, you should see the antics that sometimes gets transmitted on HAM-TV! There are also a lot of serious transmisantics that sometimes gets transmitted on HAM-TV! There are also a lot of serious transmissions showing Hams sitting in their studio-shacks, talking back and forth to each other. Since ATV is in the standard NTSC video format, you will be able to "HEAR" their audio emissions as well! DID YOU KNOW THAT DOZENS OF HIGH-ALTITUDE HELIUM OR HYDROGEN FILLED WEATHER BALLONS HAVE BEEN LAUNCHED WITH HAM-TV TRANSMITTERS, COMPUTERS AND CAMERAS ON-BOARD? That's right, they climb to over 100,000 feet transmitting breathtaking live" camera images of the erath below for all to see covering several states in distance. ARE YOU AWARE THAT YOU MIGHT BE ABLE TO TUNE-IN TO LOCAL NWS COLOR RADAR DURING STORMS RIGHT IN YOULD OWN A BREAT YOU AND STORMS RIGHT. IN YOUR OWN AREA? Yep, HAMS are relaying Weather Radar Images from the National Weather Service into their own ATV Repeater systems. There are also regular NETS that are held once per week where all the local ATV stations check-in with their pictures. Special ATV CLUBS have been formed that I am sure you would be welcomed to (Watch out They will be after you to help you get your own Ham license.)

If all this sounds interesting to you, I suggest a few recommendations: Keep up to date If all this sounds interesting to you, I suggest a few recommendations: Keep up to date about HAM-TV and other operating modes like SSTV, FAX, RTTY, AMTOR, Packet and Satellites with a subscription to the nations \$1 HAM-TV Magazine - THE SPEC-COM Journal (\$20.00 per year) published bi-monthly: P.O. Box 1002, Dubuque, Iowa \$2004. Back or sample issues are available for \$3.50 ppd. In 1987, there was a good 8"X11" BOOK published on the subject written in easy-to-understand, non-technical language. Copies are still available for \$5.95 plus \$1.00 postage. It is called the UNITED STATES ATV SOCIETY NORTH AMHRICAN ATV DURFCTORY GUIDE! It has 60 pages and 9 Chapters loaded with system descriptions, equipment recommendations, activity reports, transmitter locations, operator photos, known repeater sites and clubs and lots more interesting material. I have sent a copy to the WTFDA Board of Directors for review and perhaps they can compute further to copy to the WTFDA Board of Directors for review and perhaps they can comment further on the publication. E-x-p-a-n-d your TV MONITORING capabilities by adding HAM-TV to your shack! Good viewing... Mike Stone WBOQCD (LPTV on 439.250 MHz)



A really small column this month - thought about putting this one off till next month.. But there are some changes. Action Pay-Per-View has switched from XPFR 11 to XPDR 6 on Spacenet 3.

International Airplane Market is on Galaxy 6 Monday Nights at 10 PM Eastern - the transponder varies. If you want to buy a Lear Jet that seats 12 - this is the ultimate home shopping channel for you.

I'm still trying to figure out who the feed was from on D2 in PAL color from Brazil showing devices to pad young ladies buns with live models and the newest in string bikinis (which look like the bather has nothing on from the back). Many beach scenes including topless bathers - time was 7 PM EaStern. Not seen since.

Portugal was testing a type of US service on Spacenet 2 and Cl one recent Sunday with full programming and US commercials interespaced between programs.

Continual musical chairs is in progress on F4 - it seems that someone is changing transponders every day.

Galaxy 5 will soon be launched. It may locate at 125 W causing T3 to move to 123 W. Many present G1 users plan to switch to this bird.

No matter what has been reported - Las Vegas TV Network has not been seen on Spacenet 4 or 3 at any time noted.

To Ron Perdue - there is still talk about the Sci-Fi Channel. Slated to be located on F4. ????????????????

That's all for this month - see you in 30













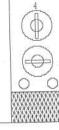








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ABBREVIATIONS USED IN THIS COLUMN:

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 of construction
nermit)

APPLICATIONS FOR NEW TV STATIONS

*= Non-commercial

St Ch ERP HAAT City AR 36 353 213 Little Rock FL 46 3675 359 Panama City Beach LA 54 500 118 Slidell (New Orleans suburb) MI 45 153 290 Vanderbilt (not in my atlas- where is it?!) NC 35 1400 245 Jacksonville NY 67 15 134 Springville (about 40km south of Buffalo) TX 40 7.5 128 Rio Grande City (about 40km west of McAllen)

APPLICATIONS DISMISSED FOR NEW TV STATIONS

Ch St City
48 AR Jonesboro; Banner Bostg.
Corp.
2 TX Fredericksburg; Texstar
Comms. Ltd.

CONSTRUCTION PERMITS FOR NEW STATIONS

 St
 Ch
 ERP
 HAAT
 City

 AK
 9*
 316
 238
 Anchorage

 (Univ.
 of AK)

 AR
 48
 1062
 310
 Jonesboro

 (AR
 Rural
 TV
 Co.)

 ND
 19*
 405
 179
 Ellendale

 (Prairie
 Pub.
 Bcstg.
 Inc.)

 (about
 110km
 SW
 of
 Fargo,
 on

 ND/SD
 border
 south
 of
 Jamestown)

 OR
 26
 28.5
 411
 Medford

(Junko K. & Bobby C. Shehan)

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS (cont'd.)

| St | Ch | ERP | HAAT | Call | City |
|----|----|--------|--------|---------|------------|
| CA | 29 | 15.2 | 334 | KZJA | Eureka |
| GA | 57 | 398 | 129 | WATC | Atlanta |
| IA | 36 | 6.09 | 65 | KQCT | Davenport |
| MS | 51 | 1494 | 1243 | WPJJ-TV | Jackson |
| | 3 | (or 1) | 243 fe | eet?) | |
| NC | 14 | 1334 | 209 | WYDO | Greenville |
| OK | 62 | 1000 | 233 | KMNZ | Oklahoma . |
| | | | | | City |
| OK | 44 | 578 | 164 | KGLB-TV | Okmulgee |
| | | | | | |

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

| St | Ch | ERP | HAAT | Call | City |
|----|----|------|------|---------|----------|
| | | | 167 | | Indiana- |
| | | | | | polis |
| NJ | 63 | 1510 | 223 | WMBC-TV | Newton |
| NY | 48 | 136 | 129 | WYDC | Corning |

APPLICATIONS TO CHANGE EXISTING STATIONS

| St | Ch | ERP | HAAT | Ca11 | City |
|----|----|--------|------|---------|-----------|
| | | 100 | | KWGN-TV | |
| MA | 25 | 1380 | 357 | WFXT | Boston |
| MI | 35 | 1320 | 262 | WGVU-TV | Grand |
| | | | | | Rapids |
| MI | 53 | 3320 | 981 | WLAJ | Lansing |
| | (1 | nay be | 981 | feet) | |
| PR | 18 | 500 | 563 | WSJU | San Juan |
| SC | 43 | 1020 | 315 | WGSE | Myrtle |
| | | | | | Beach |
| TX | 22 | 5000 | 566 | KLTJ | Galveston |
| WI | 24 | 3000 | 313 | WCGV-TV | Milwaukee |
| | | | | | |

CHANGES GRANTED TO EXISTING STATIONS

St Ch ERP HAAT Call

AR 51 79.4 145 KFAA

change!)

City

Rogers

| 241.4 | 01 1014 140 10110 | 1109010 |
|--------|---|------------------|
| | (was 80.1kW, 140m) | |
| LA | 27 2570 303 WLPB-TV | Baton |
| | | Rouge |
| | (was 1170kW, 287m) | 8 |
| MD | 13 316 302 WJZ-TV | Baltimore |
| | 17 1290 334 WXMI | |
| | THE RESIDENCE THE PROPERTY OF THE PERSON OF | Rapids |
| | (was 1300kW, 329m) | AVAIGNED CONSESS |
| MN | 29 4556 nc KITN-TV | Minn- |
| 55,000 | | eapolis |
| | (was 1811kW) | 2.02022 |
| MO | 3 nc 339 KTVO | Kirksville |
| | (was 590m) | |
| MS | 19 1611 478 WMAH-TV | Biloxi |
| | (was 1480kW, 476m) | |
| MS | 29 923 598 WMPN-TV | |
| | | |
| MS | (was 452kW, 445m) 30 1600 187 WGBC | Meridian |
| | (was 89.1kW, 186m) | |
| NY | 12 168 369 WBNG-TV | Binghamton |
| | (was 166kW, 367m) | |
| NY | 7 nc 221 WWNY-TV | Carthage |
| | (was 219m. Big cha | |
| MT | 9 3.39 nc KUSM | Bozeman |
| 5,515 | (was 3.35kW- again | |
| | | |

CHANGES GRANTED TO EXISTING STATIONS (cont'd.)

St Ch ERP HAAT Call

NC 4 nc 310 WUNC-TV Chapel Hill (was 302m) WI 20 1450 299 WHRM-TV Wausau (was 1437kw. There may be a tower/antenna change here

too, though there's

contradictory info)

City

CONSTRUCTION PERMITS CANCELLED

| St | Ch | Call | City |
|-----|-----|--------|--------------|
| CA | 27 | KWEW | Coalinga |
| SC | 32 | WCRD | Myrtle Beach |
| ALA | 0.4 | WELA I | Danwillo |

CALL LETTER CHANGES FOR EXISTING STATIONS

| St | Ch | 01d | New | City |
|----|-----|---------|---------|--------|
| FL | 18 | WRES | WBCC | Cocoa |
| NC | 28 | WPTF-TV | WRDC | Durham |
| TX | 1.4 | FINO | KXAM-TV | Llano |

CALLS GRANTED TO NEW STATIONS

St Ch Call

| CA | 30 | KZKI | San Bernardino; |
|----|-----|-------------|---------------------|
| | | | Sandino Telecasters |
| FL | 64 | WGOX | Inverness; WWFG |
| GA | 34 | WUBI | Baxley; Upchurch |
| | | | Bostg. |
| ID | 1.3 | KIPT | Twin Falls; State B |
| | | | of Educ. |
| MT | 10 | KHBB | Helena: KFBB Corp. |
| ND | 19 | KJRE | Ellendale; Prairie |
| | | | Pub. 9cstg. |
| OR | 26 | KMVU | Medford; Junko & |
| | | | Bobby Shehan |

City

NEW STATION ON THE AIR

Lake Dallas, TX: KLDT 55z:
3033kW, 142m AAT/144m AG/303m ASL.
TL 33 00'19"N, 96 59'00"W
Round Grove Rd., 1km W of I-35E.
(I believe this is just south of Denton, about 45km NNW of the Cedar Hill tower farm)
Independent.

FORUM

Belated holiday greetings to all of you.. and my apologies for the abbreviated column last month.. I think this month's will make up for it; lots of good info!

Special thanks to Bill Fahber, whose continued work on nuts-and-bolts research makes the up-to-date FCC info possible!

The license of Trinity Broadcasting's WHFT-45 in Miami has been challenged. Glendale Broadcasting Co. alleges that National Minority Television Inc., licensee of KTDZ-24 Portland, is a "front" for Trinity Broadcasting, created to permit Trinity to own more than the legal limit of 12 TV stations.

NMTV is controlled by three directors; TBN president Paul Crouch, Jane Duff, and Trinity employee Phillip Aguilar. Duff, while apparently not a TBN employee, is "totally reliant upon Trinity Broadcasting for her livelihood, and her major work experience has been as a Trinity Broadcasting employee."

These charges were apparently first brought up in March when NMTV attempted to buy bankrupt WTGI-61 Wilmington, Del. The WTGI offer was withdrawn, but the FCC decided to hear the case against NMTV anyway.

NMTV says "...neither Trinity nor any other organization has a right to control the votes of NMTV's minority directors concerning the programs, plans or policies of NMTV.", and that the FCC investigation has stopped their attempts to obtain other stations. They've asked the FCC to issue a declaratory ruling clearing them of the charges.

Well, the spectrum fee question has come up again. in Japan. According to the Dec. 30 issue of Broadcasting magazine, the Japanese government , facing a \$17 billion deficit, is proposing a fee for use of the RF spectrum, to raise revenue for operation of the PTT, their equivalent of the FCC. Apparently the semi-government NHk public broadcasting agency would pay about 70%-80% of what Japan's commercial stations would pay.

Here in the USA, proposed spectrum fees were defeated in the Senate last year. However, the Bush administration supports spectrum fees, and is expected to propose them again this summer.

It looks like the political changes in the former Soviet Union will actually affect TV DX... From the Dec. 21 Nashville Banner; "... Cuba has announced a series of immediate energy restrictions that will cut back everything from television viewing time to street lighting." Apparently Soviet oil exports to Cuba had declined over 20% since 1989, even before the massive changes in the USSR. Now, there's doubt that the new republics will be willing to export oil to a

country that can't afford to pay for it- even if they can produce enough to export. Most electricity in Cuba is generated with oil-fueled generators. Of specific interest to DXers, the article mentions that the schedule of both Cuban TV channels will be cut to 5 hours weekdays, 9 Saturday, and 14 Sunday.

Bruce Elving, Esko, MN:

Bruce is also interested in methods of decoding frequency-shift-keyed Morse Code IDs of TV and FM translators. I don't know of any devices (besides expensive receivers such as the R-7000) for decoding these IDs..

Bruce also passes along an article from the Dec. 17 Duluth News-Tribune showing workers hoisting the new antenna on WDIO-TV's (ch. 10) new tower. This is the station whose tower collapsed in an ice storm this spring; they were using WDSE-8's tower for a temporary antenna while the new tower went up. According to the article, if no problems were encountered in installation, the new facilities went on the air as early as Dec. 19. I wish I could reprint the photo-- I'm sure most members have never seen a TV transmitting antenna up close, and this photo, with 3 workers climbing on the antenna, shows just how massive it is! (to be specific, 87 feet long and 17,000 pounds!)

Keith R. Short, Columbus, OH:

Keith provides a Columbus LPTV update:

"W08BV, which was owned by Howard Broadcasting of Oceanside, Calif., went off the air in March 1991 when the owners of W08BV decided to get out of the broadcasting business. It was a low power independent station carrying independent programs trying to compete with the big boys of full power stations.
W08BV went on the air again in September 1991 with new owners. The current owners are New Life

September 1991 with new owners. The current owners are New Life Fellowship of Churches and its studios are located at Oakley Baptist Church in Columbus. It carries mainly religious and gospel programs."

"W17AI, which had been simulcasting indie WWAT-TV53 from Chillicothe, now no longer carries WWAT-TV. It now carries the Home Shopping Club 24 hours a day."

"W13BN carries another network of Home Shopping Club." (see Mike Reid's letter for more on the dual HSC network question..) "Channel 24 which came on the air in December 1990 is a low power TBN affiliate. I do not know what Channel 24's call letters are. One interesting note, when TBN came on low power TV in December 1990, it was originally on channel 20 but moved to channel 24 a month later. I guess TBN on Channel 20 gave some interference for full power PBS station WOUB-TV 20 in Athens, or maybe people up here rather watch WOUB-TV on Channel 20 rather than TBN. Take your pick about this one."

"W56CA in Delaware, Ohio came on the air sometime in late 1990 or early 1991. It carries a variety of independent run programs and Much Music from Canada at nights, according to a local newspaper in Delaware carrying their schedule."

"WTJC-TV 26 from Springfield, Ohio, a full power station, switched from religious programming to carrying the Home Shopping Club sometime this year. It still carries its religious call letters but it's mostly HSC."

Keith also visited Kentucky & noted the following LPTV item in the Dec. 7 Lexington Herald-Leader:

"Anthony Parham, manager for WNBS Radio and WNBS-TV (Channel 46), said he took them off the air after owner Troy Cory failed to fulfill a promise to make money available for their salaries by 10 a.m. yesterday."

WNBS-TV, Murray, Ky., is apparently a LPTV- real call unknown. Cory claims to be the grandson of Nathan B. Stubblefield, arguably one of the inventors of radio; Stubblefield's initials are the reason for the "NBS" call.

Bill Nienajadly, Clifton, NJ:

Bill sent an article from the Newark Star Ledger regarding WMBC-TV 63. The station's owner, Rev. Sun Young Joo of Wayne, NJ, wants to build a 767-foot tower on Bowling Green Mountain in Jefferson, NJ.

According to Joo, the station's 5,000kW transmitter would cover from the Poconos to parts of Connecticut. He intends to air local sports & community programming, and possibly CBN religious programs.

Local residents, however, aren't so pleased by the prospect of another local station. Already, the area for which the tower is proposed has strict zoning ordinances on residences; other locals fear the tower could fall onto adjacent

property (unlikely, especially since it's apparently planned for a 20-acre site), or that radiation from the antenna could cause health problems, or that aircraft at Newark Airport could collide with the tower. (I'm sure the FAA will address that complaint!)

In a somewhat more ominous statement, local electrical engineer kim Huron asks "And I question the need for it. To make a UHF station in this day and age of cable TV doesn't make sense. Who'd watch it? Who watches UHF anyway?". (myself, for one...)

The local police, on the other hand, support the project; Rev. Joo has promised them space for their radio antennas on the WMBC-TV tower, space that should eliminate the dead spots that currently plague Jefferson police & rescue radios..

Bob Walker, Bloomfield Hills, MI:

Passes along an article on LPTV in Detroit, from the Jan. 2 Detroit News:

"Channel 7's antenna rises 1,072 feet above the hubbub of Southfield, pumping out a 316,000-watt signal that travels nearly to St. Clair..."
"Channel 48's antenna, rising 325 feet from atop a St. Clair Shores apartment building, radiates a 1,000 watt signal that reaches to Dearborn. On a good day."

"Not everything in broadcasting is meant to be big, big, big."

W48AV owner Glenn Plummer says
"If we can put a low-power station
here," (pointing to Dearborn) "and
here," (pointing to Southfield) "we
might have something. Why not share
programming? So if you're a Speedy
Printing outlet in Southfield, you
simply advertise on this one station.
Of if you're a Speedy Printing outlet
in Dearborn, you just advertise
there..."

A sidebar lists the Detroit area's 5 LPTVs, with their programming and transmitter sites:

W05BN; Video Jukebox Network, from the Westin Hotel in Detroit.

W26AB; Channel America, but for sale & transmitting just a test pattern when the article was written. Transmitter in downtown Detroit.

W44AR; Licensed to a Dearborn Heights church. "When The News called to ask about the future, the church official in charge of the operation hung up on us-- twice."

W48AV; Locally-programmed religious station, heavy on gospel music programming, transmitter in St. Clair Shores.

W66BV; Trinity Broadcasting Network, transmitter on the Westin Hotel.

Fred McCormack, St. Paul, MN:

Fred sent a list of unID solutions for the LPTVs Matt Sittel listed in the December VUD. Among others, this IDs Matt's reception of WCNC-36 on channel 24 as W24AY, Lilesville, NC. (Lilesville is near Wadesboro, about 80km ESE of Charlotte)

Mike Reid, North York, ON:

Mike checks in with a wealth of information from Ontario. He also has some comments on the Home Shopping Spree/Club situation; Home Shopping Spree and Home Shopping Club/Home Shopping Network, the latter being the one on their owned & operated stations. I'm going to try to keep these two networks straight, calling the Spree "HSS" and the Club/Network "HSN". You can tell the difference by the 800number given; 800-284-3400 is HSS: 800-284=3200 is HSN. Mike comments that WPTT-22 has been carrying HSN. but has been airing promotions for a return to regular independent programming early this year.

He also passes along info on the channel 4 dropin at Utica, NY. (this was published in VUD, 3 months before I joined HI!) Apparently WBZ-TV Boston was moved from minus to plus offset, WIVB-TV Buffalo from minus to zero, to allow the allocation of channel 4- to Utica, with a site restriction to protect WSTM-3 in Syracuse.

CFTO's channel 21 relay in Orillia, Ont. is dead. Mike says "CKCO did object, to put it mildly"!

CKWS-TV 11 Kingston has a relay on channel 26 in Brighton, halfway between Cobourg and Belleville on Lake Ontario.

CBOT-1 Foymount, Ont. has moved from channel 28 to 59, and there's a new CBOT-6 on channel 3 at Pembroke. "These probably cover the gap caused by CHRO-TV 5 Pembroke's network change from CBC to CTV."

Global is switching to satellite feeds. (I presume this network was previously distributed by microwave, as it only served Ontario. But it's now co-owned with several independent stations in Western Canada, and may be planning on expanding nationwide)



Bruce F. Elving, Ph.D., Editor Box 336 Esko MN 55733-0336, U.S.A.

Readers' Reports and Filters News

A nonmember who has seen this column sent news from ME. George Fenderson, Jr. claims there's a pirate on 105.3 in or near Portland, "WOBS," It was on 12-25-91 this time as "WBOS," and has been heard annually in years past. This may or may not be related, but Eric Fader sent a story about a student at Yale in CT running a station, "BBRN 105.3." He's dissatisfied with the programming on Yale's commercial station, WYBC 94.3. He's Seth Klein, a junior. Who knows? Maybe Klein hauls his transmitter to Maine and sets up shop when there's no school.

Bill Hepburn was nice enough to show where Key Lake SK is; it's in the middle of the province, SW of Wollaston L, and NE of Patuanak. He's looking forward to the 14th edition "FM Atlas"--and, hey, it's ready. Just send \$12 and the book will be winging its way to you in time for all 1992's DX blessings. [Two or more copies \$9.50 each plus \$1.50 per order shipping.]

The new WBMW 106.5 Ledyard CT is on the air, and the really big news is they broadcast in stereo! So Bill Nienajadly reveals: "They have stereophony (does stereo-phony mean its fake stereo?)." They make it to Jersey, even though often interfered with by WPYX Albany, Bill ordered Andy Bolin's phase box: "I plan to use another six-element Radio Shack antenna in conjunction with this set-up. Maybe I can get 102.9 Portland ME with Hartford CT phased out on the same

Another pirate? Bill sent a story that 88.3 will be alive along Long Island Route 24 in Flanders, with a 120-second tape, a TIStation on FM apprising motorists on the history and special events of the area, It will be heard almost a km along the route-legal under FCC part 15?

"Bill Nollman said he received his 110 kHz filters already. I ordered thirty 100s and hopefully they will come soon. The 110 kHz in the G-E Superadio works great," [My supply of ten 110s is gone; will havta reorder-this before I even got to try them out myself-b.e.] Bill says Howard Stern's next market for his WXRK, etc. simulcast will be Chicago, station not announced. Stern helped propel WXRK 92.3 to top place in NY, ahead of all-news WINS AM. "Remember that el cheapo AM-FM-analog SW cassette radio I told you about?" Bill asks. "I won it down the NJ shore last year, Anyway, it's probably worth about \$30 or so. The unit is an 'International' brand made in China, Well, it had a terrible AFC on the FM, which covered up the semis (alternate channels). So I opened the cabinet, looked inside and saw no diodes to cut (to get rid of AFC). So I figured it must be the IC (the AFC circuit) as the IChip looks universal. So I poked around and shorted two leads at a time to see if I can 'short out the AFC'. I sure did! Radios with an IChip with AFC can be defeated! . . . But be careful, as you could overheat the IChip or delete the AM or SW frequencies. My SW does seem to be messed up when joining the leads together. But this is temporary, as soon as you unshort the leads the SW is back, so is the AFC! I don't listen to short wave much on this radio, so I soldered the leads together. I guess it is possible to add a remote switch for AFC/on/off; I might do it. Oh yes, it was worth

defeating AFC and replacing the superwide ceramic filter with the 110 kHz. And, yes, it does get adjacents! Not as good as the G-E Superadio but almost as good. Bruce, try this with a cheap radio first and see if the elimination of AFC works for you, too. Make sure the IChip is in the tuning section, and not in the amp section. Good luck!"

An article promoting mythology was sent by Bill, Two morning DJs on WKNN 99.1 Pascagoula MS asked who the first person to tell them there was no Santa Claus. Station took them off the air for a day because of complaints, presumably from the under-10 crowd, or when do you stop believing in S.C.?

In another letter Bill described his phasing situation. where he installed a four-gang tuning capacitor from an old radio inside a Radio Shack project box, with knob extending from its side. He then used 72-ohm coax jacks for antenna in and out in series with his small indoor antenna, along with a 10 dB passive amplifier. The outdoor antenna also has an amplifer, as well as a variable attenuator in its lead. A splitter combines the two into his tuner. "Adjust attenuator, phase box, open and collapse rabbit ears and move around," he says. Sounds like a lot of trouble, but he gets WJBR 99.5 Wilmington DE, cochannel to closer WBAI *99.5 New York, "I did some talking with [other] knowledgeable people in the WTFDA. Here's what they said. Phasing in all forms has been around for years in the cable industry. Phasing is not a new concept for cable operators or AM DXers. CBers have long known about phasing antennas for maximum transmitting benefits. You've probably seen those truckers using 'phase harnesses' (coax wire split into a Y) and using two CB antennas, one mounted on each side mirror, for better directivity and range. By using inductors, capacitors in the frequency range of the desired signal, one can build a phase box. The trick is to use components for the range you want. I'm still learning this." The desired station must be close to the same strength as the undesired station in order to do this, "Straight phasing without capactiors or attenuators is possible. But you really need an impedance changer or a varible combiner. A capacitor or a capacitor and inductors, or anything to delay (with a control) on one antenna coming in."

The latest CED magazine, which goes out to cable operators, has an article mentioning phasing (Jan. '92, "Off-Air Antenna Matters," by Chris Bowick). He says pretty much what we know in the WTFDA about phasing, and makes no mention about tuning using attenuators or capacitors. He mentions spacing two antennas apart horizontally with a formula to calculate no less than 3/4 of a wavelength between them. But "this technique doesn't work if the angle between the two stations approaches zero," or if they are 180 degrees apart. Seems he doesn't know you can phase antennae that are of different heights when stations are in the same direction or directly from the rear. One reference hesites is a Scala Technical Bulletin, "Reduction of Co-Channel Interference" by antenna phasing.

Bill Nollman got together with some other DXers in VA, and he had the chance to hear some of the translators in PA shown in my "FM Atlas." WZZV 95.7 Olyphant and WZZC 95.9 Benton PA now simulcast; but I need to know for sure if WZZV operates stereophonically, Monophonic WLNG-FM 92.1 Sag Har-

bor NY is one of the few in its area lacking stereo, but I hear the signal is so over-processed with oldies that stereo might not be a help to them. DXer Mark Strickert claims WLS-FM 94.7 Chicago is "very stereo, per my receivers, just like the station they are simulcasting, 890 AM--'FM screwed up because of AM'. Zap. As I say, never assume anything!" I. too, saw the stereo light one day when WLS-FM waltzed in here on tropo, but I will continue to list them as monophonic, unless I know for sure they actually use the stereo for programming with audio separation on it. By that I mean at least one weekly fifteen-minute program of music, or at least 20 seconds of thememusic per hour in true stereocommercials or station promos don't count. The stereo light only means "stereo-phoney," unless I am convinced otherwise. I asked Roger Winsor to check out WLS-FM for me, and he says he won't because he "can't stand talk radio."

Mark asks "what is an 'LMA'? Besides another set of code initials to confuse people." [It's a "local marketing agreement," in sales or programming by two area stations that are usually not co-owned.] "Shame about WFMU-a favorite radio station of mine from little old Upsala College (yep, Lutheran). In contrast, I see from a church publication that WCAL-FM just upgraded their coverage, with a transmitter much closer to Minneapolis-St. Paul. Hmmm, I still check 770 more often" when in the Twin Cities. But WCAL AM is no more, having given the channel to KUOM.

John Ebeling sent a letter he received from Bob Baker, host of Baker's Bandstand, heard only on KCRB *88.5 Bemidji, and not on KCRB's network, MN Public Radio. Baker identified some wiring problems in the studio resulting in a monophonic program feed to the transmitter, causing John to muse. "This in response to my complaint of poor mono reception (only part of the audio). MPR is supposed to be state of the art in that they arecontemplating digital audio over their classical stations." John says Digi-Key in Theif River Falls MN is AL Alexander City 106.1 WSTH-FM (from out of 110 and 150 kHz IF filters. "I ordered some narrow ones to put in a Penney's digital receiver which I acquired. They expect to ship filters in mid-January. Seems as if a lot of club members have been ordering the filters. The Penncrest receiver is rather sensitive on FM. and if I can cut down on adjacent CA Davis 104.3 (from 105.5) KQBR (KLCQ), to channel hash, I'll probably use it to

replace my old Heathkit receiver. . . Logged WISM-FM 98.1 Altoona WI the other day. Those used to be in Madison, didn't they?" [Yes, and also on 98.1-b.e.1

Alain Pepin sent a DX report from Dominican Republic, with all but two stations heard broadcasting in stereo. One had SCS, XIAT-FM 98.1 Santo Domingo. He sent the report also to Danny Buntin, so I'll not repeat it here.

Dave Bright heard on 102.5 in Tallahassee a mysterious station counting down its sign on, "Heard no ID, but computer-voice countdown was at 32,800 and falling, about one time every three seconds," Dec. 7. "Faded and haven't heard since," Skip?

There won't be any "See Also." because I haven't gotten my January VUD. Until next month, Bruce.

New FM Station Grants

AL Valley 98.1 3000 h,v; 100 m, Pearce Bostg. Pray tell, where is Valley? I can't find it on any mant

CO Fountain 96.1 140 h.v: 603 m HI Hali Smaile 105.5 6000 h,v; 90 m, Rev-Cel Bosto. [Widge Advertising ID Wallace 100.7 52000 h,v; 791 m, Sam/ 1L Elmwood 97.3 25000 h,v; 100 m, Rainbow ble Institute

IL Springfield *90.5 850 h,v; 188 m, g, IL Bi-/ IN Berne 93.9 3000 h,v; 100 m, R. A. Weaver IN Bioomington *91.3 1200 h,v; 81 m, B. Community Radio, to be \$, eclectic format IN Wabash 105.9 3000 h,v; 100 m, Conaway

IA Rock Valley 106.9 3000 h,v; 100 m, Mason MN Ely 92.1 6000 h,v; 100 m, BJL Bostg., Inc. MN Faribault 107.5 34000 h,v; 180 m, F. Bosty. NY Syracuse 105.9 3000 h,v; 100 m, Salt OK Shawnee 95.1 100000 h.v:432 m. Bott PA Millersburg W215AA *90,9 (WTRM), "Seven

other translators applied for in PA and VA. We will keep you informed." WQLV 98.9 860 h,v; 185 m, Hepco Communi-

cations, Inc. [Amerzine Bostg. RI Wakefield-Peace Dale 99.7 3000h,v;100 m,/ TN Nashville W234AB 94.7 (WYCQ 102.9 Shelbyville), 230 w TX Amarillo 100.9 100000 h,v; 213 m,

TX Floresville *89.7 9000 h,v; 42 m, g, Wilson County Ed. Foundation [Bestg. Network TX Lubbock*90.9 5000 h.v;72 m, g, Bible/ TX New Braunfels *89 9 7000 b v: 91 m ON Ohsweken *100.3 250 h,v; Amos Keye PO Murdochville CJRG Gaspe relaver-but must find a channel other than 99.5 which was asked for, because of conflicts with the CBC's

long-range radio plan. TA Nuevo Laredo XHBLM 88.9, 1000 h,v; on air

Call Letters Assigned or Changed

WSTH); AM is in Columbus GA AL Birmingham 106.9 WIKX (WBMH), "Kix/ AL Centre 105.9 WKYD AL Hartselle 106.1 WYAM AL Orange Beach 107.5 WXAH AL Warrior 98.7 WLBI AK Nome *96.1 KNOM-FM AR Cabot 102,5 KLPQ (KVQB) CA Apple Valley 102.3 KZXY"-FM" (KZXY-FM: AM gets new calls), to 6000 h,v; 100 m 2800 h,v; 145 m, k, LMA (local marketing

agreement] with KRAK-FM 105.1 Sacramento and its AM CA India *89,3 KCRY CA Kernville 102,3 KCNQ (KKRV) CA Kings Beach *89.9 KEQI CA Ludlow 105.7 KEQF CA Oxnard *89.1 KCRU CA Susanville 96.3 KKLC CO Eagle 101.5 KQMT (KWLI) DE Smyrna 92.9 WYHH FL Callaway 103 5 WD RK (WD RR) FL Holmes Beach 98 7 WISP (WAYP) FL Jacksonville 107.3 WROO (WCRI) "The Rooster" [WKHX), 50000 h,v; 150 m, C2 FL Lafayette 99.9 WHKX (not/ FL Sarasota 102,5 WHPT (WHVE), r("adult/ GA Brunswick 101.5 WHJX-FM (WHJX), s GA Coose 95.3 WSRM GA Fort Gaines *90.9 WYHD GA Gordon 107.1 WNEX-FM (WMRW), r, AM is/ GA Sylvester 102.1 WKMK (WVYF) 6A Valdosta 107.7 WWR0 GA Warner Robins 102 5 WHRH HI Hito 92 7 KADE (KHHI) ID American Falls 104 1 KOUU ID Boise *90.3 KBSU-FM (KBSU) ID Cascade *90.9 K 214BN (from K 215BB) ID Idaho Falls 96.1 KMXE (KSIF), "Mix 96" IL Carterville 95.1 WEZS (WYGF) IL Champaign 100.3 WIXY 1L Hillsboro 99.7 WXAJ IL Springfield 104.5 WFMB-FM (WFMB) IN Brownsburg 101.9 WQFE. "Yes, it will be stereol" IN Elkhart 100.7 WLTA (WYEZ) IN Kokomo *91.7 WIWC IN Muncie 104.9 WERK-FM (WOKZ), o IN Terre Haute 102.7 WLFZ (WPFR)

KS Seneca 92.1 KMZA KY Russell Springs 92.7 WQEG LA Lafayette *91.9 KYFI LA Larose 100.3 KMZM ME Brewer 100.3 WKIT"-FM" (WKIT-FM; AM gets new calls) [-FM], "92-0" MD Baltimore 92.3 WERQ-FM (WYST-/ MD Hagerstown *89 1 WYHG MD Salisbury 105.5 WLVW-FM (WDVH) MA Fitchburg 104.5 WXLO"-FM" (WXLO: AM pulls the plug) [in East Longmeadow] MA Springfield 102.1 WAQY-FM (WAQY:AM is/ MI Ashley 92,5 WJSZ, to 3000 h.v: 100 m MI Hillman 94,9 WYHE MI Portage 96.5 WEAT (WURLI)

IA Independence 95.3 KQMG-FM (KQUR-FM)

IN West Lafavette 106.7 WXAW

IN Westport *91.5 WYHB

KS Great Bend *90.9 KHCT

MI St. Johns 92.1 WXMX (WGOR), rj. "Mix MI Tuscola 101.7 WKMF-FM (WGMZ); AM is/ MN Cambridge 105.3 (having moved from 105.5) WLOL (KXLV), ID with several cities, including Coon Rapids and "North Min-

neapolis"; third city mentioned usually Mora MN Moorhead *90.3 KCCD (KYIY) MN Winona 101 1 KHMF MO Kansas City 93.3 KMXV (KLSI), "Mix 93"

NE Lincoln 105,3 KFGE (KXGH) NE Omaha 105.9 KKCD (KKVU), o, "soft classic rock' NV Reno 105.7 KOZZ-FM (KOZZ)

NH Concord *91.1 WQFB NY Endicott 105.7 WMRV-FM (WMRV) NY Hudson *91.1 WQFA

NY North Creek *89.9 WXLG NY Oswego *88.9 WNYO NY Rochester 105.9 WJZR NY Rome 96.1 WFRG"-FM" (WFRG-FM; AM

gets new calls) NY Southoort 99 5 WOKN NC Charlotte 92.7 WYHC-an 84-watt vertical-

only experimental station NC Jacksonville 92.3 WFXZ

PHOTO-N

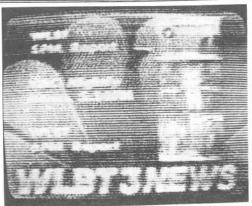
MAILING ADDRESS: PHOTO-NEWS

12284 NICE ROAD AKRON NY 14001-9529



Robert Kramer - Chicago, Illinois, equipment see UCTOBER 1991 VHF-UHF Digest page 4.

WLBT-3 Jackson, Mississippi 668 mile E-skip seen July 19, 1991 at 1900 CDT



WRGT-45 Dayton, Ohio 237 mile tropo seen August 12, 1991 at 0436 CDT



WTLW-44 Lima, Dhio 200 mile tropo seen August 24, 1991 at 8607 CDT



more DX fotos from Robert Kramer....

WKBN-27 Youngstown, Dhio 347 mile tropo seen August 25, 1991 at 0226 CDT



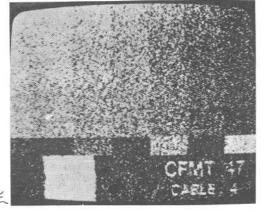
CIII27-27
Peterborough,
Ontario
509 mile tropo
seen August 25, 1991
at 0310 CDT



CFMT-47 Toronto, Ontario 440 mile tropo seen August 25, 1991 at 0335 CDT

to be continued....

Till next time,



WESTERN TV-DX

Fred McCormack Box 17860 St. Paul MN 55117-7860

Deadline: 03-12-92 Cut-off: 12-01-91

1991 TV-DX finished off in good order for Midwestern DXers who lost sleep during days and nights of super tropo in late December (and into early January).

TA Tamaulipas

ANC All News Channel HSS Home Shopping Spree
CHA Channel America TBN Trinity Broadcasting
HSC Home Shopping Club VJN Video Jukebox Network

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

PST

Western TV-DX

Equipment:
Kenwood RZ-1 receiver, channel 6 crystal trap. Hitachi 5" black & white monitor, Sony Beta Hi-Fi MTS VCR. Antennas: VHF - Lindsay CC-30 22 element log-periodic with Dalco EID-3SV 28 dB mast-mount preamplifier @ 38 feet with "ARM-strong" rotor. Archer 15-578 variable signal attenuator.

10 Es 1700 KREG 3 CO 1028 December 1991 October 1991 2 Es 1959 KCBS 2 CA 1047 1710 KOB 4 NM 1280 28 au 1740+ hvy CCI chs 2-4 1800 KENW 3 NM 1467 2027 KTVU 2 CA 769 CCI on channel 3 15 Es 1100 KSNW 3 KS 1502 November 1991 9 ms 2212 KIDK 3 ID 637 22 ms 0914 KCRA 3 CA 739 13 F2 1610 49.750 MHZ video (6 seconds) (44 seconds!) 1614 49.7396MHZ video 10 Es 1645 KUTV 2 UT 795 (See notes) 16 F2 1445 48.250 MHZ video 1655 KTVS 3 CO 1150

1659 KCNC 4 CO 1096

November 13th F2 opening produced Japan on 6 meters (50 MHz) and with 6 meter eam on the RZ-1 receiver brought in presumed Soviet video on same beam heading (300°). November 16th F2 video had beam pointed at Malaysia which has a 100 kW channel E2 station on this frequency. Indonesia and Marshall Islands on 6 meters during same time frame.

December 10th E skip opening had an unid on channel 3. A set with "Newscenter 5" written on the anchor's desk. Beam heading was Colorado-Utah-New Mexico-etc.

Both Geminids and Ursids brought in many, many unids on channel 3 (my only

truly clear lo-band channel).

(See notes)

This winter's sporadic E season was below normal. No double-hop on either TV or FM (or 6 meters). Hope everyone got a little bit of E skip during the winter. 73's, Mike VE7SKA

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

CST

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

It looks 1991 is going out on a good note DXwise. Tropo has been excellent the past few days (12/31/91 fm), especially from the east. The last time I saw Albany, New York on tropo was 30 years ago (WTEN-10 on August 18, 1961).

| December 1991 | | 2 Es 1715 KAL | Bt 5 LA | | WEDU 3 FL 1192 |
|----------------|-----------|---------------|-------------|-----------|-----------------|
| 2 Es 1715 WBRZ | 2 LA 1002 | WWL | 4 LA 1026 | 3 Es 1715 | unid channel 2+ |
| | 3 LA 1034 | WKR | G 5 AL 995 | 7 tr 2209 | WPBO 42 OH 461 |
| KJAC | 4 TX 1050 | WEA | R 3(AL) 955 | | WDRB 41(IN) 437 |

| W1 | 1118 | am Draeb | (cor | ntinu | ed) | 19 | tr | 2151 | WKON | 52 KY | 437 | 28 tr | 0517 | CICO38 CICO38 CEBLN CEBLN CEBLN CICA# (Parry CBLN4 CICA# (Snow CICA51 CICO53 CICO92 CITY CISHETS WETGE WSYT CBLN1 CILO74 CBLN5 CICO74 CBLFT9 WNDE WORD WHIT (Under WNPE WCFE (Snow WSFJ WNED (SNOW WITR CBLN5 CICO74 CBLFT9 CBLFT9 CFE (SNOW WSFJ WNED WOSU WSFJ WNED WSFJ WNED WOSU WSFJ WNED WSFJ WNED CICO74 CBLFT9 CFE (SNOW WSFJ WNED WSFJ WNED WOSU WSFJ WNED WSFJ WNED WOSU WSFJ WNED WSFJ WNED WCFE (SNOW WSFJ WNED CEBLFT9 CIVO CEBLFT9 CBLFT9 CCKNC CKNC C | 38 ON | 543 |
|-----|------|----------|-------|--------|--------|----|----|------|----------------|---------------|----------|-------|---------|--|---------|-------|
| - | | 0000 14 | 0011 | 24 2 | | | | (| W48AP | 48 OH | 278 | | | eceln 4 | 40 ON | 325 |
| 7 | tr | 2209 W | osu | 34 0 | H 395 | | | (101 | edo | Restormantion | CHA) | | | eCHOT 4 | 40 PQ | 582 |
| 8 | Es | 1633 W | ESH | 2 FI | 1125 | | | | WOSU | 34 OH | 395 | | | CIII41 | 41 ON | 410 |
| | | 1638 W | SAV | 3 G/ | 4 972 | | | 2055 | WEIU | 51 IL | 345 | | | CICA# | 42 ON | 374 |
| | | 1648 W. | JXT | 4 FI | 1030 | | | | WBAK. | 38 IN | 348 | | | (Parry | Sound |) |
| | | 1730 W | EDU | 3 FI | 1192 | | | | WKPC | 15(IN) | 437 | | | CBLN4 | 45 ON | 307 |
| 9 | tr | 0717 W | PBO | 42 0 | 4 461 | | | | WKLE | 46 KY | 473 | | | CFMT 4 | 47 ON | 410 |
| | | 0730 W | CET | 48 O | 400 | | | 2116 | WCVN | 54 KV | 407 | | | WNYR | 49 NV | 445 |
| | | W W | YTY | 10(0 | 400 | | | 2110 | MONN | EE VV | 504 | | | WMTT | SO NV | 600 |
| | | W | WAT | E2 0 | 427 | 22 | | 0015 | (Con | Note I | 004 | | | (Cnort | Fron \ | 000 |
| | | | MA.I | 53 U | 437 | 22 | _ | 0015 | (See | NOTE I | 3) | | | (Show | ree) | |
| | | W | CAM | 54 K | 407 | 22 | ES | 1440 | unids | cns 2- | 4 se | | | CICASI | 51 UN | 3/4 |
| | | W | STR | 54 OI | 4 400 | 24 | tr | 2051 | WDRB | 41(IN) | 437 | | | CICO53 | 53 ON | 502 |
| | | W | osu | 34 0 | 4 395 | | | | WTVQ | 36 KY | 473 | | 0524 | CICO92 | 55 ON | 511 |
| 11 | tr | 0545 W | ADL | 38 M | I 265 | 25 | tr | 1643 | WDRB | 41(IN) | 437 | | | CITY | 57 ON | 410 |
| | | (| W/ CE | BS pri | omos) | | | | WGRB | 34 KY | 499 | | | @CBOT# ! | 59 ON | 392 |
| | Es | 0645 W | CBD | 2 SI | 916 | | | | Cinci | nnati l | JHFs | | | (Bala) | | |
| | | 0725 u | nid o | channe | e1 3 | | | | WCVN | 54 KY | 407 | | | CBLFT8 | 61 ON | 345 |
| | | 0959 K | LBY | 4 K | \$ 795 | | | 2109 | WNEO | 45 OH | 405 | | | WETGE | 66 PA | |
| | | K | SWK | 3 K | 840 | 26 | ++ | 2345 | KAWE | 22 MN | 400 | | | WSVT | SS NV | 575 |
| | | N | o tie | no to | watch | 20 | | 2040 | VCAY | 42 MN | 274 | | 0522 | CDI N1 | 56 ON | 246 |
| | | 14 | o tud | e for | Watter | | | | KVDD | 4E / MN | 500 | | 0552 | OFFTOT | 4 07 C | 340 |
| | | 0007 W | study | y 101 | exams | | | 4700 | KVKK | 15 (MN | , 500 | | 0000 | 611127 | 27 6 | //V |
| | tr | 2207 W | 43AV | 43 W | 1 105 | 21 | tr | 1739 | KAWE | 22 MN | 400 | | 0538 | @WXXA | 23 NY | 697 |
| | | (Waukes | ha | | LPTV) | | | | KSAX | 42 MN | 374 | | 750,000 | (Near | snow f | ree) |
| | | (| See | Note | #1) | | | | CBCE | 16 ON | 270 | | 0540 | @WNED | 17 NY | 445 |
| 13 | tr | 2050 W | GGN | 52 0 | H 325 | | | | WNPE | 16 NY | 600 | | | (Snow | free) | |
| | | (| 419- | -684- | 5375) | | | | WNEP | 16 PA | 630 | | 0542 | WUTR | 20 NY | 620 |
| 15 | ms | 0616 K | WGN | 2 C | 952 | | | | WYOU | 22 PA | 630 | | | CBLN5 | 20 ON | 305 |
| | | (| 10sed | C-WBA | Y off) | | | | WBRE | 28 PA | 630 | | 0550 | CICO74 | 18 ON | 458 |
| 18 | aw | 2250 W | LUK | 11 W | 7 25 | | | | WKRSt | 47 PA | 17.77.77 | | 10000 | CRI FT 1 | 2 44 0 | N458 |
| | 3" | | See | Note | # 2) | | | | WCNV | 24 NV | 575 | | | WOLN ! | SA DA | 405 |
| 10 | +- | 1000 W | NON | EO V | V 427 | | | | Toron | 40 10 | 25 | | DEED | ewellt. | 17 NV | 607 |
| 13 | u | 1900 # | TUN | 02 N | 477 | | | | 10108 | 10 19, | 20, | | 0553 | (Mada | PAILED. | 091 |
| | | | IVQ | 30 K | 4/3 | | | | | 41, 4 | , 51 | | | (under | MNED- | 11) |
| | | W | RNA | 21 K | 437 | | | | Sarni | a 34, t | 8 | | 0600 | WNPE | 16 NY | 600 |
| | | W | XIX | 19(0 | H) 400 | | | | Londo | n 18,40 | 0,53 | | 0700 | WCFE | 57 NY | 692 |
| | | W | DRB | 41(I | N) 437 | | | | Erie | 24, 35 | 54 | | | (Snow | free) | |
| | | 1912 W | YMTt | 57 K | Y | | | 1814 | WNYB | 49 NY | 445 | | | WOSU | 34 OH | 395 |
| | | W | STR | 64 0 | H 400 | | | | (716 | -875-49 | 949) | | 0726 | WSFJ | 51 OH | 395 |
| | | W | 57AR | 57 W | I 105 | | | | (Snow | free) | | | | WNEO | 45 OH | 405 |
| | | (Sayner | | WS | AW- 7) | | | | Buffa | 10 17.5 | 29 t | | | WSTR | 64 OH | 400 |
| | | 2033 W | CET | 48 0 | H 400 | | | | Kitch | ener III | 4Fe | | | WCNY | 24 NV | 575 |
| | | 2151 W | PBO | 42 0 | 461 | | | 1000 | WWTT | 50 NV | 600 | | | (Snow | Fron) | 010 |
| | | 2101 W | NEO | 4E 0 | 405 | | | 1005 | WONT | EO MV | 675 | | 1010 | HVVT | 24 80 | 500 |
| | | ** | MEU | 45 U | 405 | | | 1902 | WOTI | DO NY | 2/2 | | 1212 | MVVI | 21 NY | 500 |
| | | P | PUHL | 53 P | A | | | | (Snow | Tree- | 2114) | | | (/16- | 454-69 | 122) |
| | | W | WAIT | 53 0 | Н | | | | WUHF | 31 NY | 500 | | | WCNY | 24 NY | 575 |
| | | 2224 W | osu | 34 0 | H 395 | | | 2013 | KVRR | 15(MN) | 500 | | 1358 | K58BSt | 58 MM | ٧ |
| | | W | KRC | 12 0 | H 400 | | | 2104 | WNEQt | 23 NY | | | (Min | neapolis | | TBN) |
| 20 | tr | 0545 T | oront | to UH | Fs | | | 2112 | WCFEt | 57 NY | | | 1408 | WUTR | 20 NY | 620 |
| | | - K | itche | ener I | UHFs | | | 2131 | WNPI | 18 NY | 615 | | 1427 | CIVO | 30 PQ | 582 |
| | | W | QLN | 54 P | A 405 | | | | (Snow | free) | | | 1518 | eCBL FT9 | 53 ON | 325 |
| | | W | UTV | 29 N | V 445 | | | 2155 | CTCAS | 1 51 0 | 374 | | 1.0.1.0 | (Full | color | bar) |
| 21 | tr | 1000 0 | entr | al TI | IIHEe | | | 2100 | CTCOO | 2 55 01 | U 511 | | | WEZAR | E7 WT | 105 |
| - 1 | | W | uei | AE (M | 7) 422 | | | 2215 | CTVO | 20 00 | 911 | | | WEAAR | EA WT | 107 |
| | | 1010 1 | FORV | 40 (M | 1 000 | | | 2210 | CIVOL | 20 PW | *** | | 10-4 | MAPCH | 24 MT | 101 |
| | | 1010 K | DRRY | 29 1 | A 280 | | | 2238 | GMNFC | 23 NY | 445 | | (Fen | ce | WPNE | -38) |
| | | (Davenp | ort | 01.00 | IRM) | | | 2331 | WICZ | 40 NY | 600 | | 1522 | K58CMt | 58 MI | ٧ |
| | | 1300 I | grad | duate | from | | | | WMGC | 34 NY | 600 | | (Dul | uth | | TBN) |
| | | | | | UWGB | 28 | tr | 0445 | WICU | 12 PA | 405 | | 1747 | CBCE | 16 ON | 270 |
| | | 1935 W | 69BJ | 69 M | I 200 | | | | e CBLFT | 13 15 (| DN502 | | | (TV Bi | ngo) | |
| | | (Lansin | g | WA | QP-49) | | | | (Ful1 | color | bar) | | | WNPI | 18 NY | 615 |
| | | W | 59CA | 59 M | I 210 | | | | unid | channe' | 1 17 | | | CTC019 | 19 ON | 350 |
| | | (Jackso | n | WΔ | DP-49) | | | | CTC01 | 8 18 0 | N 325 | | 1747 | CBL FT2 | 1 23 0 | N353 |
| | | W | npp | ATIT | N) 437 | | | | CICOI | 9 19 0 | 350 | | 10.75 | CHI E4 | 25 DH | 350 |
| | | | LKA | 22/7 | N) 497 | | | | MENT | 21 00 | 400 | | | (Esse | b Tun | 300 |
| | | W | FUL | 32(1 | 437 | | | | WLWY | ZI UH | 420 | | | (Frenc | 1140) | |
| | | W | MJ | 08(1 | N) 437 | | | | C1CO2 | 8 28 0 | 345 | | | C1C093 | 42 ON | 494 |
| | | 1957 W | FIE | 14(K | Y) 420 | | | 0512 | WUTV | 29 NY | 445 | | | CBLN5 | 20 ON | 305 |
| | | W | EHT | 25(K | Y) 420 | | | | CBLFT | 14 32 (| DN543 | | | CBLFT2 | 3 16 0 | N |
| | | 2010 W | TVQ | 36 K | Y 473 | | | | WYTV | 33 OH | 420 | | | CBCQ1t | 15 OF | ٧ |
| | | 2020 W | GRBt | 34 K | Y | | | | WMGCt | 34 NY | | 29 tr | 0345 | %CIVA1t | 8 PC | 2 |
| | | 2028 W | USI | 16 I | 402 | | | | e CBLFT | 15 34 (| DN374 | | | CKNC | 9 ON | 350 |
| | | 2033 W | CET | 48 O | H 400 | | | 0517 | OWSEE | 35 PA | 405 | | | CKNY | 10 ON | 413 |
| | | | | | 100 | | | | | | | | | 0.041 | | |

February 1992

---- ---- 50 IN 501 00 4- 1000 OTITAL 41 ON 410

CST

| William Draeb (continued) | 30 tr 0506 | | 56 KY | 504 | 30 tr | 1923 | | 41 ON | |
|---------------------------|------------|--------------|---------|-------|------------|-------------|---------------|---------|---------|
| | | WSTR | 64 OH | 400 | | | CICO | 28 ON | 345 |
| 29 tr 0345 CKCO4 11 ON 41 | 0520 | @KBSI | 23 MO | 512 | | | | 61 ON | |
| CBLFT6 12 ON 27 | | WBAK | 38 IN | 348 | | | CBLN1 | | 345 |
| CBLFT2 13 ON 35 | 0526 | | 36 KY | 473 | | | CITY | 57 ON | 410 |
| CICA13 13 ON 41 | | WKYT | 27 KY | 473 | | | CFMT | 47 ON | 410 |
| 0733 CBCE 16 ON 27 | | WXIX | 19(OH) | | | | CBLN | 40 ON | 325 |
| CBLN5 20 ON 30 | 0535 | EMEAA | 44(KY) | | | 1951 | | 47 OH | 358 |
| CBLN4 45 ON 30 | | WLEX | 18 KY | 473 | | | field | | 1-34) |
| CICA51 51 ON 37 | | WKPC | 15(IN) | | | 2057 | W57AR | | 105 |
| 0923 CBLFT15 34 ON3 | 0726 | | 23 KY | 473 | | V1212-2-2-3 | WOUC | 44 OH | 427 |
| CICO# 42 ON 3 | | (ID'e | | 00) | 1212 - 211 | 2122 | CBCE | 16 ON | 270 |
| (Parry Sound) | | WKPD | 29 KY | 522 | 31 tr | 0145 | | 44 PA | 405 |
| CIVO 30 PQ 58 | | WKON | 52 KY | 437 | | (Erie | | | TBN) |
| ("Radio Quebec | | WCVN | 54 KY | 407 | | | @CBLFT | | 410 |
| 1037 CICO24 24(PQ)5 | | MKMJ | 68(IN) | | | 25/05 | ("OTT | | 005 |
| CHOT 40 PQ 5 | | WGRB | 34 KY | 499 | | 0545 | | 45 ON | 305 |
| 1054 CFJP 35 PQ 7 | 075 | | 35 KY | 499 | | 0612 | | | 410 |
| (See Note # 4 | | WUSI | 16 IL | 402 | | | (Chin | | |
| CIVM 17 PQ 7 | | WVUT | 22 IN | 405 | | | | 1 51 OF | |
| 1113 CICO19 19 ON 3 | 123 | 2 WEIU | 51 IL | 347 | | | | 9 53 OF | |
| (See Note # 5 | 124 | 7 WKGB | 53 KY | 530 | | | | 11 55 0 | 388 NC |
| 1123 CICO93 42 ON 4 | | WKYUt | 24 KY | | | | ("OTT | | |
| eCFGS 49 PQ 5 | Š | WCVN | 54 KY | 407 | | 0615 | CITY | | 410 |
| Ottawa/Hull 24 | | K58BX | 58 IA | 280 | | | | 8 61 0 | N 345 |
| 30, 40 snow fr | 1 | W57A0 | 57 IL | 347 | | | ("OTT | | -10.000 |
| 1900 WUSI 16 IL 4 | | binson | | TBN) | | | | 17t 68 | |
| WVUT 22 IN 4 | 173 | 8 WQQBt | 40 KY | | | | WTVQ | 36 KY | 473 |
| 2005 W30AL 30 IL 2 | 174 | 2 WBMGt | 42 AL | | | | CICA | 19 ON | |
| (Plano CH | | (O kH | z to WC | CLJ | | | | 8 18 0 | |
| WEIU 51 IL 3 | T . | fo | r 1/2 t | nour) | | | CBLN | 40 ON | |
| 2027 W68AA 68 IL 3 | 174 | | 68 AL | | | 0636 | | 48 OH | 400 |
| (Danville WAND-1 | 175 | 5 W34AY | 34 IL | 300 | | | WKON | 52 KY | 437 |
| W34AY 34 IL 3 | 183 | 2 WOAC | 67 OH | 395 | | | WKGB | 53 KY | |
| (Champaign TB | 185 | 9 WBNX | 55 OH | 380 | | | | weak) | |
| 2039 WFIE 14(KY) 4 |) | WEAO | 49 OH | 380 | | | WDKY | 56 KY | |
| WEHTt 25(KY) | | WNEO | 45 OH | 405 | | 0640 | | 68(IN | |
| 2044 WDRB 41(IN) 4 | 7 | WYTV | 33 OH | 420 | | | WSEE | 35 PA | |
| 30 tr 0445 WLKY 32(IN) 4 | 7 190 | 5 WKBN | 27 OH | 420 | | 1820 | | 41(IN | |
| (CBS Nightwato |) | WAKC | 23 OH | 380 | | | Young | gstown | |
| WDRB 41(IN) 4 | | WFMJt | 21 OH | | | | | | 7, 33 |
| KNLC 24 MO 4 | 2 | WPGH | 53 PA | 480 | | | | t 24 PA | |
| 0459 W33AX 33 WI 1 | 4 | CBLN4 | 45 ON | 305 | | | | t 51 OH | |
| (Madison TE |) | WPCBt | t 40 PA | | | | | t 16 PA | |
| WFIE 14(KY) 4 | 0 | WQLN | 54 PA | 405 | | | | t 53 PA | |
| WEHT 25(KY) 4 | | WSEE | 35 PA | 405 | | | | 1t 56 C | |
| | 8 | WPTT | 22 PA | 480 | | | WNEO | 45 OH | |
| | 5 | (HSC) |) | | | 2012 | CBCE | 16 ON | |
| | | 3 WSFJ | 51 OH | 395 | | | (Hoc | key // | |
| | 2 | W58AI | Mt 58 0 | H | | 2138 | | | 280 |
| | | oungstow | n WNE | 0-45) | | | (Rare | | |
| | 0 | | t 47 PA | | | | KLJB | 18(IL | .) 280 |
| WCET 48 OH 4 | | | | | | | | | |

corner of screen on all programming.

Note # 2 - WLUK-11 went off the air at this time and for the next three days. They had a ghost problem they were attempting to fix.

Note # 3 - My 40 foot tower falls over. No more outside channels 2-6 antenna until I can put it back up.

Note # 4 - CJFP-35 - ID slide with TQS programming schedule and color bar combo.

Note # 5 - Fog in my area becoming more like pea soup.

Both Parry Sound and McArthurs Mills were in at the same time on December 29th the reason for me being able to differentiate between the two.

(Bill, congratulations on your graduation! fm)

Reporting Tip - Leave the left 1 inch on the front and the right 1 inch on the back blank to allow three hole punching without loss of logging data.

William Eckberg, 1032 Sterling Road, Dixon IL 61021

Western TV-DX

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) preamp at 52' and 125' of Jerrold CAC11.

| November 1991 | 22 tr | 0410 WYMT 57 KY | 449 31 tr 0003 | WYMT 57 KY 4 | 149 |
|------------------------|-----------|---------------------|----------------|--|-----|
| 15 tr 1730 W61BV 61 IL | 15 | 0505 W27AR 27 IN | 214 0220 | CITY2 31 ON 4 | 142 |
| (Sterling WQP | T-24) | (Indianapolis WTHR- | -13) 0235 | CFMT 47 ON 5 | 14 |
| | 28 tr | 0340 CFMT 47 ON | 514 0240 | CITY 57 ON 5 | 14 |
| December 1991 | | 0415 CICO28 28 ON | 461 0248 | WFMJ 21 OH 4 | 150 |
| 21 tr 2200 W69BJ 69 MI | 254 | 0425 CICA 19 ON | 514 0250 | CICA 19 ON 5 | 14 |
| (Lansing WAG | P-49) | 0505 CITY 57 ON | 534 0253 | CICO28 28 ON 4 | 161 |
| 2305 WOAC 67 OH | 417 | 0510 CIII41 41 ON | 534 0315 | CIII41 41 ON 5 | 534 |
| 2359 WXMT 30 TN | 408 | 0512 CIII27 27 ON | 578 0400 | WUTV 29 NY 5 | 537 |
| 22 tr 0103 WPGH 53 PA | 491 | 0535 WNED 17 NY | 537 0435 | | 161 |
| 0106 WBNX 55 OH | 404 | 0540 CBLN 40 ON | 419 0455 | to the comment of the | 508 |
| 0110 WYTV 33 OH | 450 30 tr | 0100 WTTO 21 AL | 582 0535 | | 122 |
| 0130 CBLFT10 48 | DN368 - | 0155 WNAL 44 AL | 551 0550 | CBLN 40 ON 4 | 419 |
| 0205 W23AT 23 IL | 76 | 0225 WZDX 54 AL | 503 0555 | WOIO 19 OH 4 | 401 |
| (Mokena | VJN) | 0250 WZTV 17 TN | 408 0610 | CBLFT9 53 ON 4 | 419 |
| 0235 WOIO 19 OH | 401 | 0400 WAAY 31 AL | 503 | | |

I noted tropo to nearly 600 miles twice. The December 28th opening to Canada was very limited. Even Detroit and Toledo Us were absent. I almost missed it. Ditto for the December 30th opening to Alabama.

I called the station to verify two loggings. WTHR-13 has a translator at 9th and Dutch Road on the north edge of Indianapolis on channel 27. I've never seen a logging of them in the VUD (See Sep 91 - Frank Merrill, Oct 91 - William Draeb. fm). On the 30th, I saw the WTTO call all night on channels 21 and 44. I called and was directed to the chief engineer. He stated the calls on their satellites and translators are Tuscaloosa WDBB-17, Anniston WNAL-44, and Birmingham W62BG. They must be leasing as suggested by Michael Parks in the May VUD. I only saw the WTTO ID. He was surprised I logged channel 44.

I first saw W61BV on November 15th. I can see the lights of the tower. It is south of Polo, Illinois. I think WLLT-FM and channel 61 are using the same tower and antenna. I will check further. It appears to be a UHF stick with three wire half loops pointing

west. They are listed at about 19 kW.

My new UHF setup was finished in November. I was then gone for two weeks. Upon arrival home in December it seems tropo has been in every night. Either my new setup is awesome or conditions are extraordinary. Probably the latter. Many UHF stations in the 275 to 350 mile range are there even under normal conditions. To name a few: Minneapolis 29 at 294 miles, Sioux City 14 at 355 miles, Omaha 42 at 335 miles, Kansas Crty 41 at 323 miles, Evansville 14 at 270 miles, etc., etc. The signals are very weak and fluttery, but I can ID them. Today, Hastings 29 at 464 miles has been in all day. The 5 foot increase in height must have helped. Much credit should go to the latest (round) RDX Labs UHF preamplifier. Its strong signal handling capabilities are much improved over the Winegard PA4975. Besides less overload, there is less adjacent channel spillover. I have 42 UHF stations within 100 miles so this is important. Of my 13 new loggings, I saw 5 Canadians twice within 3 days with decent signals after years of looking. Today at midday I jogged Norfolk 19 at 402 miles. Before they were buried in hash.

I'm using a deluxe Channel Master (black) motor with a Radio Shack controller. This seems to have solved a synch problem inherent with CM rotors. Both are made by Crown.

Jeff Kadet, Box 20, Macomb IL 61455 (W3CRH) (309-833-1809)

CST

Equipment: ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E skip (all sets circa 1979-1982). Screened Channel Master 7' dish with PA-4975 preamplifier, .500 aluminum hardline up 85'. Channel Master 1110 with PA-1975 preamplifier, .500 aluminum hardline up

| November 1991 | D | December | 1991 | | | 2 Es 1730 | MBBI | 2 FL 1165 | |
|------------------------|-----|----------|--------|------|-----|-----------|--------|-----------|--|
| 22 tr 0100 W61BV 61 IL | 115 | 2 Es 173 | O WEDU | 3 FL | 995 | | MUF ch | annel 6 | |
| (Sterling WQPT | | | WESH | | | 2000 | XHRIO | 2 TA 1080 | |

80'. Winegard 5 element lo-band yagi (vertically polarized) with RG-11 up 18'.

Western TV-DX

5 tr 0016 W53AF 53 MS 413 Jeff Kadet (continued) 30 tr 0100 CBLFT8 61 ON 550 (Booneville WBUY-40) CBLN4 45 ON 545 KLAX 31 LA 623 CIII41 41 ON 640 9 tr 0200 %W/K64-- 64 ?? CIII27 27 ON 685 WHLT 22 MS 645 (See Note # 1) WHWC 28 WI 323 CBLFT17 68 ON463 0415 W61BV 61 IL 115 CICA51 51 ON 610 KXLI 41 MN 400 (See Note # 2) (See Note # 7) CBLN2 34 ON 463 12 tr 0100 %WTRTt 26 AL WBMG 42 AL 527 WDSI 61 TN 467 CICO18 18 ON 505 WTTO 21 AL 527 WCOVt 20 AL &CFMT 47 ON 610 WDSI 61 TN 467 &CICO28 28 ON 550 WBMG 42 AL 527 WFLI 53(GA) 492 0444 CICO19 19-ON 638 Huntsville 19, 31, 48, 54 0114 WHSG 63 GA 590 (See Note # 6) 0047 WTJP 60 AL 514 (TBN) 0638 W29BE 29+MI 300 WNAL 44 AL 512 Atlanta 36,46,69 (Muskegon WABM 68 AL 528 0050 576 0100 WVEU 69 GA 576 W29AO 29 AL 539 January 1992 0129 =WLOV 27 MS 468 (Anniston WBRC-6 HSS) 1 tr 0445 Canada 19 (Tor), 40,42,45,47,48. (AN CBs w/ID) WFXIt 31 GA WGNX 46 GA 576 (Fox 31, Cable 4) 54.57.59 WJSU 40 AL 539 4 tr 0458 K33DG 33zOK 410 WATL 36 GA 576 WDKY 56 KY 375 (Tulsa CHA) 0151 WDBB 17 AL 514 0202 W29AO 29 AL 539 0500 K20-- 20 ?? (See Note # 3) WBRC- 6) W68CG 68 TN 369 (Unknown HSS) (Anniston WGMB 44 LA 700 (Springfield MO headg) (Nashville V.IN) 13 tr 0615 Mpls/St. Paul in 0539 KASN 38 AR 421 (CHA) @KFAA 51 AR 350 KARD 14 LA 583 we11 340 WMPN 29 MS 569 0240 WVLAt 33-LA NBC 21 tr 1800 KQCT 36 IA 75 WNOL 38 LA 725 0542 K42BS 42 AR 358 (See Note # 4) WGNO 26 LA 724 1830 W69BJ 69 MI 342 (Fayetteville 0620 WDBD 40 MS 565 0304 W55-- 55 ?? (Lansing WAQP-49) Sarnia/Windsor 0658 +K62DQ 62 AR 355 (Unknown ANC' (Fayetteville KFSM- 5) (West of Huntsville) **UHFs 410** 2124 W67AJ 67 MI 370 Tulsa & OKC UHFs 0350 unid channel 19 (Ann Arbor WLNS- 6) in all am (See Note # 8) CICO59 59 ON 466 WHSG 63 GA 590 1405 WBUY 40(TN) 380 0450 @WDCO 29 GA 688 22 tr 0430 W22AE 22 OH 395 1442 W36AM 36 TN 367 0505 @WCES 20 GA 679 (Memphis VJN) (See Note # 5) (Then NOAA wx) W41AP 41 OH 417 WMAV 18 MS 429 (Over KLJB all 0530 @WTLK 14 GA 520 (Sandusky bulletin bd) 0532 W51AU 51 TN 529 evening) W47BC 47 OH 362 1735 W68CG 68 TN 369 (Greenville WKPT-19) (Springfield TBN) @WTVA 9 MS 468 0547 WQLN 54 PA 562 (Nashville VJN) CBLFT10 48 ON466 1900 WMAW 14 MS 581 0550 WNGM 34 GA 580 1954 W31AG 31 MS 435 WXVT 15 MS 469 WFMJ 21 OH 527 30 tr 0100 CITY 57 ON 620 (Clarksdale TBN) 0620 +WMAH 19 MS 677 CBLFT10 48 ON466 WMAE 12 MS 413 (See Note # 9) CBLFT9 53 ON 511 unid ch 64++ TBN WCOV 20 AL 611 (775.782 MHz) (See Note #10) CBLN 40 ON 505 WMPN 29 MS 569 CICO28 28 ON 550 CICA 19 ON 610 2344 =WMAU 17 MS 627

Note # 1 - This was on the air 24 hours a day for a few weeks, then went off. Heading to St. Louis. (It sounds like Valuevision's K64DT was testing from St. Louis. fm)

Note # 2 - W61BV Sterling noted often in early AMs with KNLC-24 and/or WCGV-24.

Note # 3 - Most amazing example of ducting ever noted here. Oddly, Chicago (175 miles northeast) was barrelling at the same time with probably the strongest signals ever. I had WDKY-56 peaking at 135° at 0235. An hour later they were back at 120° where they should be! This difference may not sound like much on paper but with the screened dish's boresight accuracy the effect was very spooky.

Note # 4 - Why does WQPT-24 need a parallel station in the same city?

Note # 5 - Was surprised to see this one still on the air. Thought they had switched to channel 54 a few years ago (channel 54 not seen this AM). Has it switched back to channel 22? (I believe they have operated both channels since channel 54 was put on the air. fm)

Note # 6 - A real thrill to finally get Sudbury 19, one of my most wanteds. It was battling it out with Toronto 19 which has identical programming but is offset. The CICO network time clock was one minute slow all AM!

Note \sharp 7 - These other directions were coming in very well also, but I concentrated on the south.

Note # 8 - A real weird one! Will have to see if the photo of their ID helps when I see it in a few days. This station behaved just like a phantom translator; i.e. all I was getting was clear video and no audio.

Suspected it was from an unid translator on channel 18 broadcasting its adjacent channel one channel up, but then the video hit color which phantom video can never do! Some kind of call in talk show with a man and woman sitting next to each other. ID at 0400 did not give call letters, but rather, what looked like some kind of satellite network ID. Heading to Huntsville. (More info sent to unid column on this).

Note # 9 - Completes all Mississippi PBS stations.

Note #10 - Was REAL glad to get photos of this and WCES. After WICS goes all night, in one day channel 20 may well be killed forever.

CORRECTION - A correction from last report; the station on channel 48 I was getting from Ohio/Michigan with Bucyrus 54 was actually CBLFT-48 which must get its programming off the air from CBET-54. DELETE as a new station.

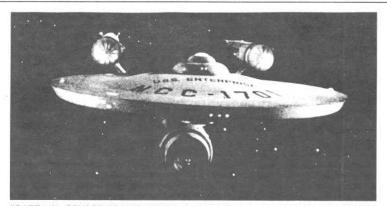
Well, we FINALLY got some DX. This fall would have been a good time to go on a long vacation. It was horrible! ("'DXers and How they Cope With No DX', on the next Geraldo").

NBC's Nightside and the competition it will be spawning from both CBS and ABC is another nail in the TV DX coffin. We've already lost channels 6, 10 and 25, and WICS-20 starts broadcasting it January 6th (see note #10 above). About the only positive note is that all three have poor overnight programming track records and who needs three all night news shows plus CNN and Headline News anyway? Unfortunately, Carnac predicts NBC will be a survivor.

Let me come to the defense of the ICOM R7000's video adapter. I think the picture it produces is very adequate. Except for just the slightest bit of extra fuzziness, I'd rate its picture and color as very good. On my JVC 27" color monitor it looks righteous. The REAL problem with the R7000 is its inability to handle overload.

Station total is 1222, 73

(Jeff, the best fit for your January 4th logging of Home Shopping Spree on channel 20 on a Springfield heading is K2OCT, a construction permit at Springdale, Arkansas. However, I don't have knowledge of it being operational. Regarding your January 5th logging of the All News Channel on channel 55 on a heading west of Huntsville, a check of channel 55 indicates the most likely to be W55BJ at Jasper, Alabama, a licensed facility.



"CAPTAIN...SENSOR SCANS INDICATE HUNDREDS OF RF SIGNALS IN THE VHF AND UHF SPECTRUM EMINATING FROM THE CLASS 'M' PLANET IN THIS SECTOR, PRIMARILY IN THE FORM OF LOW-RESOLUTION ANALOG VIDEO...HOME SHOPPING NETWORKS...TV PREACHERS...REPEAT BROADCASTS OF OLD PROGRAMS...OBVIOUSLY A VERY PRIMITIVE, ILLOGICAL CULTURE..."

EASTERN TV-DX

Bill Nienajadly PO Box 2999 Clifton NJ 07015-2999 1-201-478-3044

Cut off 3 Months

Deadline March 5 1992Another Thanksgiving 86 took place?...Well no, but when DXers speak of openings like the one on Dec 27-28 1991, one starts to wonder. So its"Late Christmas 91" A very good trop open-

ing took place during the last week of the year. Greg Coniglio said he had a lot of his locals wiped out, so did Bob Seybold who had IOWA on tropo from his NY DX spot. Bob said the opening extended from Eastern Minnesota to the East Coast up into Canada! Dave Nieman said it was the strongest in a long time. I'm sure others got in on this too. I'm looking for YOUR report out there! As for E-skip, there might as been as many as Five or more ES openings in December alone and though most of the ES was weak, and short lived, one might have gone to FM! Now to the DX!

..... Robert S. Ross Box 1003, Stn. B London Ontario N6A 5K1 - Toshiba VHF Beam UHF Flying arrow ALL 1991 loggings

| 11/17 | Tr | 1340+ | WKEF | 22 | OH | 12/8 | ES | 1829 KE | STX : | 3 | TX | 12/22 | Tr | 0140 | WETG | 66 | PA | 12/22 Tr 0233 WTJC 26 0H 0240 WTTF 28 0H |
|-------|----|-------|------|----|----|-------|----|---------|-------|----|-----|-------|----|------|------|----|----|---|
| 12/8 | ES | 1755 | WWL | 4 | LA | | | 1859 WE | BRZ : | 2 | LA | | | 0145 | WXIN | 59 | IN | 0330 WD I 17 OH |
| | | | KPRC | 2 | TX | 12/22 | Tr | 0059 W | AND | 17 | IL. | | | 0150 | WPTA | 21 | IN | 0420 WBNS 10 OH |
| | | 1815 | WEDU | 3 | FL | | | 0133 W | ANE. | 15 | IN | | | 0156 | WEAD | 45 | OH | WPDS NOW WXTN -59 |

ALL TROPO LOGGINGS IN 1991

Jerry Beaudin Rt 3 Box 2651 McMillan MI 49853 12 yr old Sylvania Color 12" Console, Channel Master 7' dish @ 50 AG. w/Winegard PA 4975 Amp & RG 11, C.M. 1110 w/0096 pre -amp w/RG-59 coax @ 40 AG, Winegard CS 2073 7-13 yagi, C.M. 7479 preamp & RG-6 coax @ 45 ft A.G.

| 10/28 0856 WJAB 43 0H 389 0858 WYTV 33 0H 437 0859 WKBN 27 0H 437 0949 WFMJ 21 0H 436 | 10/28 1030 MEAD 49 0H 409 1059 CITY 31 0N 315 1131 MEEE 35 PA 403 1132 MOTO 19 0H 391 | 11/1 0829 WHIZ 18 0H 473 11/17 0758 WX0W 19 WI 320 0800 KTCI 17 MN 365 0829 WGDW 18 WI 299 | 17 0859 KSAX 42 MN 454 0958 WOSU 34 OH 441 0959 WNIT 34 IN 320 1011 WIIB 63 IN 1034 WXIN 59 IN 437 |
|--|--|---|--|
| 0950 WIZ 25 OH 391 0955 WICU 12 PA 403 1014 WQLN 54 PA 402 | 1200 WJET 24 PA 402 1205 CKC0 13 ON 317 11/1 0759 WJPW 36 OH 335 | 0830 <u>KTMA</u> 23 MN 365 0831 <u>KITN</u> 29 MN 365 0857 WMSN 47 WI 287 | 1058 WICD 15 IL 438 1059 WLFI 18 IN 404 |

12/14 Note: Channel 4 Quebec "FRS Jonquiere" Test pattern or ID slide floating over local ch 4. (Jerry, great hearing from you again! Please report often from your fine DX spot. -BN) Bob Seybold 10567 Bennett Rd Dunkirk NY

There has been some DX, especially trops, so a report is here. There has been some E-skip, very little which was Togged. But, had a super trop opening on Dec 27-28th which ended about 11:30 PM (23:30-BN) on the 28th. Others were in on it , as I talked to Dave Nieman and Greg Coniglio and Bill Draeb, all of whom were in on this one.

It extended from Eastern Minnesota, West Wisconsin to the East Coast up into Canada and as far South as Tennessee, but only a short time to the South. Super strong signals on some, some rare ones and many deep- VHF high band looked like E-skip, but steady-low band VHF also- U's loaded. Probably one of the best since 1986 big opening but not as great as that. Here is the report.

Nov 6 evening-2000-2230 EST. E-skip with KTBS-3, WBRZ-2, WWL-4, NBC-3,NBC-3,NBC-2 peak 2130-2200.

Nov 16 evening- some trops-Dayton 45 the best, others..Dayton 16 & 22, Columbus 28 & 34, WJTC 26, Louisville 32, Richmond IN 43.

Nov 17 trops noted 0830-lasted all morning into late afternoon 1600 EST-strong trops, Ft Wayne 15,21,33,39: South Bend 16,22,34,46, WSJV 28, WMCU 14, WICD 15, WLFI 18, WMCC 23, Chicago 20,26,32,38,50,& 60: Gary In 56, Indy 20,40 Dubuque 40, Souix City 18: UNID-23 (VJN) to west: Milwaukee 36: WCET 48, Bloomington 42 & 63: Angola, IN 63, Hammond 62, Rockford 17,23,39, Decatur 17, Columbus 34: Dayton 22 & 45, WJTC 26, WBGU 27, tentative 51 out of Illinois, tentative Madison & Greenbay U's....nice opening- close in regulars weak.

Dec 20 trops-good-morning- Cincinatti, Columbus, Dayton, Terre Haute, Mansfield Tenn 39, Ft Wayne, Pittsburgh, WTAP -15, new 60 in West Virginia, Richmond 43 super, Chicoltee 53 super, WPBO 42, Danville 56, Louisville 15,32,41 also 21, Owenton 52, Covington 54, Cincinatti 48 & 64 (rare), Many Ohio translators, Newport 19, Columbus, Dayton Cinc V's.

Dec 27-building trops in evening-gaining rapidly-started South-Pittsburgh U's great, Tenn,39 (Fox), WTAP 15: Lexington U's, Louisville 32 weak, Dayton U's good, Columbus 28 & 34 super, WJTC 26, Oxford 14, WPPO 42, WCET 48, Mansfield -50, WHIZ 18 super, Cambridge 44, Lima 44, WBGU 27, Chicoltee 53 (Ohio), Newark, Ohio 51 super, ...scon getting into Indiana-South Bend , Ft Wayne good, Angola 63, Indianapolis & Bloomington U's, WLFI 18, WMCC 23- then into Wisconsin & Michigan especially Northern Michigan, briefly into Eastern Minnesota-Austin 15: St. Cloud 41, .. Trops became very intense in late evening and even better on Dec 28, lasting all day- stratching from Minnesota, to Montreal, Quebec Vermont, Maine, New Hampshire-some V's included: Rhinelander 12, Cadillac 9, Sault ST Marie 10, Sherbrooke 7, Midland 7, Ottawa 9, Sudbury 9, Traverse City 7, Alpena 11, Sudbury 5, Montreal 12, Cornwall 8, North Bay 10, Kingston 11, and others: U's included WMCU 14, Little Current 16: Travers city 29, Saginaw 25 & 49, Madison U's, Milwaukee U's, Green Bay U's, Cadillac 27 & 33-33 in for hours almost all day, Mansitine 21, Chicago U's, Rockford 17,23 & 39, Grand rapids 17 & 35 & 15, Lansing U's, WUHQ 4, Richmond IN 43, WFUM 28, also Flint 66, Park Falls 36 (Bob's report continues on the next page-BN)

Eastern TV DX February 1992

Bob Seybold continued from the preceding page

ABC station? Cheifs/Raiders game

Dec 27 tropo continued-LeLand Michigan 46, Muskogen 54, Kalamazoo 52 & 64, Bad Axe 35, Canadians on 15,16,18,19-(Sudbury), Saulte Marie 20, 24, 26? (French); 27,28,29,30,31 (2),33,34 (2), 35 Montreal; Quebec 15, 17 Monteal: 38, 39 (French), 40 (2),41,42 (2), 44,45 (Three Rivers) 48,51,53 (2),54,55 (2),56,57,61,64,68: Also Vermont 41,33,22,: Keene,NH 52, Portland ME 51, Plattsburgh 57 (good), Watertown, Norwood, Syracuse,Utica,Adams Mass 19,. Many translators & LPTVs seen-some of which are: W69BJ Lansing, W40AK-40 Muskegon (new), W59CA-59 Jackson, W27AU-Wisconsin (new) W43AV-43 Wisc (new), W70AT-Michigan (new), WJJA 49 Wsc. new in for 20 minutes overidding Buffalo 49 and Saginaw 49strong but difficult to ID. Many NY state translators UNIDED. 57 with football game-evening of 28th. 73's Bob Seybold

Greg Coniglio 5100 Gelwood Drive Williamsville NY 14221 (Thanx fore the TV logos, Greg-BN)

Emerson Color TV, Teknika TVC-22 tuner, VHF: Jerrold 10 element roof mounted, UHF: 4-bay ant with 20 db CM amp on mast CAC-11, RG 6, & CM rotor used. 12/28 TR continued 1820 CIVO 30 PO 223

11/6 ES 2200 KATC 3 LA 1168 12/28 Tr 1436 WSYM 47 MI 305 WLBT 3 MS 978 wiping out 1c1 CFMT 11/8 AU 2200 Aurora to ch 13 very strong 1535 UNID 59 ON CBC EE to NNE 11/17 Tr 1200 Ft Wayne/Toledo 1630 WGKI 33 MI 343 12/8 ES 1730 WLBT 3 MS 978 1642 WPBN 7 MI 362 12/11 Tr 1945 CBET 9 ON 226 o/CFTO o/LCL WKBW!!!,WXYZ & CIII !!! 2200 Winsor & Detroit U's v.good 1645 CICI 5 ON 268 12/28 TR!0115 WNDU 16 IN 396 logged on CABLE w/CBLT 0130 WMI 17 MI 347, WNED-off 1700 WURT 12 MI 271 o/WICU, CHEX 1st logging on ch 14, & the Youngstown, Pittsburgh, Cleve in gd WNBC·TV 1715 WWTY 9 MI 342 1430 SUPER OPENING, MANY CHANNELS maybe CBET, WIXT o/CFTO via CABLE (Greg, I never had ch 14 WITH MULTIPLE STATIONS, VHF like skip. 1746 WFUM 28 MI 242 EVEN THE LOCALS WIPED OUT! (Wow!-BN) w/ant at WUTV 29 11 mi rare 1430 WXGZ 32 WI 474 1800 Syr, Utica, NE ONT-exc 1435 WLAJ 53 MI 305

1905 WNPI 18 NY 217//WNPE rare 1805 WCFE 57 NY 266-s/f o/CITY ! 1953 CKCO411 ON 162 o/CHCH-s/f Tent VT 33 to NNE, Montreal too plus CKWS also o/CHCH! 1955 WLUK 11 WI -z- on ch 11 t The big story this time is the late December opening. The opening during late night was 2030 CBOT 33 ON 154 -ns/f only average, but at work during the morning it got very foggy. I could not wait to get 2108 CIII 29 ON 177 w/WJTV on! home & see if the opening progressed, it had! I would have to say it was the best open

1822 CIVC 45 PQ 383 //ch 30

1825 ABC seen on ch 43 to NNE

I suspect 44 x1tr of 25 Toro

nto (Peterbourough) was pick

ing up 24 Erie & putting it

last ch left without logging

with ANYTHING, Radio ORM-BN)

out on ch 43!

1858 WCMU 14 MI 309

1900 Ont to N-ns/f

ing I have ever seen, the super distances were not there, but the signal strenghts were incredible. FOUR stations seen over locals on 7 and 9, sometimes snowfree!!! (Really must have been one hell of a opening-BN) On my mini-TV with just a dipole I could not get our local WKBW-7 because WWNY-7 Watertown was too strong. At 360 miles , WWTV-9 was logged on this mini-TV OVER a local!!! (Greg, was that the one you bought to the convention?-BN) I did even better on the FM, nulling 7 Buffalo stations, and 7 Ontario locals! (Phasing helped) By the afternoon most of the opening was stations north of us, from Wisconsin and Michigan, to Northern Ontario, and around to the East with things such as Montreal, Trois Riveres, Syracuse and Utica. Erie was strong though, and Toledo was in , though scattery. Stations from Detroit, Lower Michigan, Northern Ontario, Ottawa, Watertown , Syracuse and Utica were rock solid. I have yet to see signals so strong over such a wide area. Ended that evening when rain and freezing rain moved in from the SW. I look forward to seeing what others may have received in this opening. 73's Greg

..... Ed notes: Wow, After typing up Greg's report, I went to the Post Office and found MORE reports, Dec was a GOOD MONTH!-BN

John Combs POB 7581 Tallahassee FL 38314 (John did a summary of his DX for the last 3 month period, so I am trying a new format for his loggings, let me know if it came out OK-BN)

October 1991; 11 Tr-PM-New Orleans 26,38 12 Tr-AM -WFGX-35 FL back on-air as TBN owned & operated+NewOrleans,Ft Myers Tampa incl W57BA Telemundo,Tr-PM-KMBH-60-TX (874), KVEO-23-TX (875), XHAB-7-TA (863). Also WKCF-18 noted on new channel---ex channel 68. 13 Tr-AM West Palm Beach, Miami, New Orleans, Atlanta, Binming--ham--very widespread opening-working 2-meter FM simplex all over S.E. this AM! 20 Tr-PM New Orleans -12,26,32,38 21 Tr-AM Atlanta, WTLK-14-GA finally

November 1991 : 1-Tr-PM-KVEO-23-TX (875) briefly, later Asheville NC super for about a 1/2 hour including new WLOS-13 at 353 miles 3-Tr-Early AM- Columbia, Atlanta U's good, also WPDE-15 SC (394) 5-ES-PM KMID-2 KIII-3,KMOL-4,KENS-5, all assumed, along with XHRIO-2 and XEFE-2 (got pretty ID tape of latter) According to Matt Sittel, I got in at the tail end of this one. 14-Tr-AM-Atlanta, Charlotte (391)--UHF's, Tr-PM Columbia 19,57. 15 Tr-AM Columbia 19,57. 16 Tr New Orleans, Birmingham, Tuscaloosa, Meridian, + WAPT-16-MS (377) 23-Tr-AM, Atlanta SUPER Charlotte in, WDSI-61-TN (335) too! PM-Tr Ft Myers/Naples 24-Tr-AM-Ft Pierce/West Palm Beach U's 8-Tr-AM-Ft Myers/Naples 9-Tr-AM -Birmingham 10-Tr-PM -Biloxi/Gulfport 11-Tr-PM-Biloxi-Bir

mingham, Meridian, also WCLP-18-GA, WHNT-19-AL (325), WLOV-27-MS (385) 13-Tr-AM Ft Myers/Ft Pierce 14-Tr-PM-Biloxi/Gulfport

As former editor of E-DX who used to fuss at those that didn't report regularly, I am ashamed at not having reported for awhile. A lot of hours put in on my job have limited DX time, and what I've seen, hasn't been outstanding. (John, don't be ashamed at all, work comes first for many. I get reports from some reporters once a year or maybe two times a year at best, many do not report even during great openings! -BN) (John's report continues on the next page) February 1992

12/27 Strange trops

still sifting notes

so will put this

in next report.

John Combs continued from the preceeding page.....

Only caught Gulf trops on 2 dates (10-12 and 11-1) and only to the Brownsville-Harlingen-Matamoros area. As for several off season E-skip reported to my answering machine-well, I just ain't seem to be home at the right time, hi! Since I'm reporting a full 3-month period, I've limited myself to brief summaries of what openings I've seen. Equipment same as in my last report (whenever that was!) 73 John

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

| OCL | MOTE LIST OFFICE STON D | iva diliver opining to coooc | and the same of th | |
|------|-------------------------|------------------------------|--|--|
| 12/8 | ES 1801 UNID 2 NBC+ | 12/8 ES 1946 Fading Out | 12/11 Tr 2203 WRDC 28 NC | 12/28 Tr 1530 WTXF 29 PA |
| | 1829 KOET 3 OK | 12/11 Tr 0640 WBTW 13 SC | 12/28 Tr 1427 WNEP 16 PA?-cci | 1/1/92 |
| | 1858 UNID 3 NBC | 0644 WPDE 15 SC | 1430 Penn 15 17 | Tr 1224 UNID 16-cci |
| | 10E0 VOET 3 OK | 0652 WYFD 17 NC | | The second secon |

..... Mike Reid 1408-65 Spring Garden Ave M2N 6H9 - 1977 Zenith, Icom R-7000, RS 2 bay & AC 4990 amp.

| | | | ALL 1991 Tropo | except | t 11/6 | | | |
|--------|--|------------------------------------|-----------------------|--------|--------------------------|----------------|------------|------------------------------|
| 200 | 0725 WFUM 28 MI-oops! | 10/29 0902 W65AJ | NY | 11/21 | 0350 CBEFT | 54 ON | 12/10 0007 | UNID 30 |
| 9/30 | 0715 WNEP 16 PA 0718 WYOU 22 PA | 0905 CIVO 30 0907 WSKG 46 | | 11/61 | 0350 WEYI | 25 MI | 0108 | WITTE 28 OH |
| | 0720 WKAR 23 MI | 0910 W62AS | NY | | | 20 NY | | WOSU 34 OH WUPW 36 OH |
| 10/2 | 0125 W72AQ NY | 0915 WKBN 21 10/30 0140 WDLI 11 | 7 ON-note # 2 | 12/9 | 2230 CBLN5 0230 WSYM | 20 ON 47 MI | | WEFT 55 IN |
| | 0135 W81AI NY 0140 WXON 20 MI | 0150 CBCE 10 | | 14/3 | 0235 WX0N | 20 MI | 12/20 0825 | Ft Wayne, Det |
| | 0210 WUPW 36 OH | 0155 CB0T1- | | | | 21,33,55 -nt#5 | 003 | & Winsor U's CBLN 34 ON |
| 10/28 | 2250 WSYT 68 NY | 0240 WEYI 25 0240 WUPW 3 | | | 0300 WUPW 0320 WMCC | | | WINEP 16 PA |
| 10/29 | 2250 Ft Wayne U's 0355 WYOU 22 PA | | 3 NY-note # 3 | | 0332 WNDU | 16 IN | 083 | 5 WYOU 22 PA |
| 10/ 25 | 0357 WEYI 25 MI | 0525 UNID 1 | | | | 46 IN OH | 1000 |) WKAR 23 MI 2 WFUM 28 MI |
| | 0735 WDLF 38 PA 0736 WPTT 22 PA-note# | 0635 CHLF2- | 390N 0 OH-note # 4 | | 0336 W48AP 0420 WHMB | 40 IN | | O WIGGIN 52 MI |
| | 0738 WUTR 20 NY | 0830 WKAR 2 | | | 0445 WTJC | 26 OH | | 5 WFMZ 69 PA |
| | 0740 WMGC 34 NY | 2330 ft Way | | | 0817 WXIN 1020 WFWA | 59 IN 39 IN | | 7 WNWO 24 OH 3 WLVT 39 PA |
| | 0843 WNEO 45 0H 0852 WOUC 44 0H | 11/6 WMAB 11/21 0350 WGPR 6 | | | 1652 Scran | | | 7 WIA 44 PA |
| | UOUZ MUUC 44 Uri | 11/ E1 5555 HG IV 5 | No. 17.77 | | U 0363 400-03000 (47.5%) | Valle 1 | 092 | 2 WOSU 34 OH |

Notes:

1 Pittsburgh U's snowfree or close, Youngtown U's very good also.

2 Way over Global-27

3 WSNR with moderate snow. Doing much better than WSYT-68.

4 CBLFT gone for another stroll, this time off by +10 khz, at + 12 on 10/30. CFTO:TV

5 By 0315, Ft. Wayne U's and WMCC were in w/light snow.

Comments: My three UNIDs from my last report have been solved. The ch 25 was W258N Marion IN, as suspected. The CBOT rebroadcaster on ch 59 is CBOT-1, Foymount (ex ch 28). the ch 15 was CBCQ1, Temagami. They were running the same show as CBLT, but not the same episode. I took the difference to be a satellite delay, but was confused at times.

CBCQ1 is fed by the CBC North Eastern feed-on AST. the CBC runs three episodes of "Coronation Street" in a row, so Temagami had episode # 3 while CBLT had episode # 1. This also explains why I could'nt find "Coronation Street" on ch 15 after 1030. Teragami will switch to CBMT in the future. Maniwaki is now fed by CBOT, which is dead parallel to CBLT, so it wasn't them. The UNID on 10/30 had a beeping tone, possibly CBCQ1 again. The UNID on 12/10 on ch 30 already found not to be WVIT, WGTE, KONL-more details in CCI column. I wasn't expecting more trops, but along comes 12/20 with Allentown U's-much wanted. Then comes the 12/27 beauty.

In my offset list last time, CBCE Little Current was listed as a "+". This was from my old Allotment Plan, not sure of this one-will check next time I get it. I too, have noticed CBLFT, ch 48 Chatham repeating CBEFT, but on the days when CBLFT has been off frequency, CBEFT has been off too. So the feed must still be able to work the other way as well. I know this is out of place, but during last years F2 season, I heard an Arabic station on 25.69 MHZ. Any body know who this was and where the target area was? 73's Mike (Mike, contact a Short Wave club, I guess-BN)

..... Matt Sittel PO Box 21451 Raleigh NC 27607 (Matt is the CCI editor, send your UNIDs to him-BN)

| 11/15 Tr 0914 WDCA 20 DC 241 to WHMM 32 DC 241 1030 WBFF 45 MD 274 | Raleigh NC DX 11/15 Tr 1030+WFTY 50 DC 242 WNVT 53 VA 213 11/16 Tr 0830 WTAŁ 24 SC 200 KINGSPORT TN DX | 11/18 Tr 0600 WTAT 24 SC 200 12/2 ES 1659 KQTV 2 MD 930 12/8 ES 1829 KQTV 2 MD 930 |
|---|--|--|
| 11/5 ES 1830 UNIDS 2,3,4 11/29 ES 1956 KFDX 3 TX 922 1959 KAUZ 6 TX 921 | 11/29 ES 2018 MLF 108 Mhz 12/21 Tr 2234 WISH 8 IN 29 11/30 ES UNID 2,4,-SS 12/22 Tr 0130 WRTV 6 IN 31 12/21 Tr 2231 WAVE 7(IN) 226 0204 WHIO 7 0H 24 | 2 ES 1600 UNIDs 2,3,4 |

**** UNIDs 12/22 -9,10 (zero to WBIR),12,13 (zero to WLOS), 21,22 (!!!) (Matt returns on the next page-BN)

| ave qui | Nieman pment: | RCA 19" coax and preamp o | b&w I CDI | TV with I rotor. | Tek CM tow | nika 7' er a | 65 UHF t 2 | 10 d 8' | ish w | r, CM . ith Blo 1 coax | and A | Allianc | e l | D-73 |
|------------|------------------|-----------------------------------|--------------|---------------------|------------------|-----------------------|------------------|---------------|------------|------------------------------|--------------|--------------------|----------|------------|
| 1/21 | | rotor. WNPI 18 NY WVNY22 VT | | 10991ng 12/9 Tr | 1402 | | 22 [| ЭН | 372 397 | | r 0001 | WGKI 33 WSBT 22 | MI | 350 |
| | 0900 | WETK 33 VT | | 12/11Es 12/22 Es | 0837 | KOTA | 3 5 | SD | 1235 | | 0650 1601 | ШЈҒШ 12 ШҒШМ28 | MI | 250 |
| | MS 1433 | | - | 12/27 Tr | 1800 | | 9 1 | MI | 350 470 | | 1700 1710 | WLUK 11 WSMH 66 | 77. | 483 278 |
| 70 | 1800 | KATC 3 LA | 1173 1096 | | 2200 | WMVT WWUP | 36 | ωI | 473 348 | | 1743 1800 | ₩33?? ₩XGZ 32 | MY WI | 122 482 |
| 2/9 | Tr 1400 | WRGT45 DH WPTD 16 DH | 372 | | 2330 | WHRM | 20 | ωI | 571 483 | | 1900 | WTLJ 54 WCMU14 | | 373 317 |

December 27 % 28 tropo opening had some of the strongest signals I've seen in a long time. Many of the stations seen went uniDed some were relogs and some were new I'm sure. But there's always next time. Dave

Matt Sittel continued from the preceding page....

It's strange that I can spend much less time in TN than NC and report more DX from TN! The 21st-22nd opening appeared to be a classic fog related opening. I hadn't seen signals this strong since last year (in Kingsport). Hope '92 is good for all of us! 73's Matt

FROM THE EDITOR (The guy who attempts to do ETVDX)-BN STATION NEWS ABOUT PHILADELPHIA CHANNEL 7

I received a post card from NRC musings editor Dave Schmidt, Dave mentioned the existance of ch 7 Philly awhile back in ETVDX. I received a update here it is "....Ch 7 in Philadelphia has been noted 12/29-Calls are WO7CD-seems to be running music video's + OLD RECORDS from the owners' old dance shows!!! Phone # 215-735-7775-it gets beat up pretty good here by WABC!! Sked seems to be 24 hours-more later" We thank Dave for that update. Dave lives in Wilmington Delaware and is CE of some AMVFM stations, Im not sure if Dave is a WTFDA member yet, I sent him a copy of the VUD-BN Jerry Monroe Falls Road Marcellus (Syracuse) NY 13108 1995 15" Magnavox (w/lance preamb) @ 20 fü, two 10 element vert stacked 7-13 yagis at 15 feet @ 15 ft (w/lance preamp)

ALL TROPO LOGGINGS 1991

DX was so good recently, I even did a hi-band and UHF scan (Iusually check out FM). 10/27 0523 LPTV 13 NY

10/2 0345 CKC0 13 ON 10/27 0300 WNEV 7 MA CIII 7 ON WKBW 7 MA Syracuse CKCO 11 ON 0522 WNYT 13 NY thru CKWS-cb!

and now to the good stuff

12/27 2350 CFTM 10 PO -\$

0530 WMUR 9 NH-note #1

10/29 0241 CIII 41 ON -Global 0243 CICA 12 ON -TVO-tp 0355 CKCO 2 ON -ch 13 reptr

10element ch 2-6 yaqi at 25 feet.

12/28 1000 Ch 7-13 many signals per ch ch 9 Syr severe ORM from Toronto

12/28 Trop 1615-1700 w/4 foot parabolic (Lance) pointed WNW.

| 14 WJET PA-\$ | 23 WNEA NY rare | 32 CBLFT ON-FF-CBC | 42 CKCO | ON -CTV-note # 3 |
|-----------------------|-------------------------|---------------------------------|----------|------------------|
| 15 CBLFT ON-CBC-FF | 24 CICO ON o/Syracuse | 33 WTUV NY-Heavy-QRM | 44 CBLFT | ON -CBC-FF |
| 16 WNPE 16 NY-ORM! | 25 CBLFT ON | 34 CBLFT ON-CBC-FF | 47 CFMT | ON -in good! |
| 17 WNED 17 NY-o-ORM | 27 CIII ON-s/f | 35 VJN NY Syracuse-Italian prg! | 49 WNYB | NY w/offset QRM |
| 18 CICA ON -TVO o/Syr | 28 WFUM MI-note # 2 | 36 WENY NY-weak | 50 WFYF | NY -s/f |
| | 29 WUTV NY-above mess | 38 CICA ON-TVO | 55 CICA | ON-TVO-where? |
| | 30 CIVO PO -FF cartoons | 40 CBLFT ON-FF-CBC | 57 CITY | 0N-good |
| | 31 WUHF NY Heavy ORM | 41 CIII ON-strong | 59 ???? | ON-CBC-EE-where? |

(Jerry, I talked to Greg Coniglio. He said he thinks 95 CICA is in Cloyne. Your WJET -14, was the result of CBLFT-15 picking up via xltr the original CBLFT on 25 and also it was picking up WJET-24 on the side band (ch 14) and rebroad casting WJET-24 on 14. As for your ch 59 CBC-EE, it could possibly be the CBOT rebroadcaster. The calls are CBOT-1 and they used to be on ch 28 Foymount, the ch 59 info was from Mike Reid's report which appears in this month's ETVDX and other members/reporters who have strange loggings during this tropo period should really check other reports-BN)

16 CBCE 16 ON-CBC-EE tearing up H20-town (23 kw!) 28 CICO 28 -TVO

20 CKNX 20-CBC-EE -o/Utica! 66 WSMH MI-Fox

CIII 7 ON-Global-exc

12/28 2215 UNID 25 MI-Saginaw

(Turn to the next page for the rest of Jerry's report-BN)

February 1992

Suracuse

Jerry Monroe continued from the most recent page.....

.....Whew! I get more channels on UHF during a duct like this, than my local cable pay company offers!!!

1-WMUR-Manchester (NH-BN) coming in very good, this was the morning of EST to EDT change, many stations late to sign on this AM (engineers over-sleep!).

2-Ch 28 was one of the non-Ontario signals to slip through a duct!

3-I think I have heard all of the CKCO repeaters now!

4-Flint Michigan at 783 MHZ, all time UHF record at such a high frequency for me (400 miles)

This late december ducting was amazing. I did not know Ontario had so many UHF stations. By 2 AM, dec 29 all conditions were gone except for Ottawa to the due North. You guys in Ontario must have had a field day Dxing to the South. Program Note: WTUV Fox 33Rome/Utica NY has been running "Much Music" off the Canadian Anik satellite at late hours (0300-0500). Highly Illegal I suppose. That's it for now.

Jeff Falconer Box 68 Clinton Ontario Canada NØM 1LØ Icom R-7000, 25 el log periodic at 25' with rotor December E-Skip 1991

| 2 1527 | UNID | -2,3 | | 2 | 1558 | WKRG | 5 AL | 956 | 2 | 1808 | KMOL | 4 TX | 1353 | 8 | 2015 | WEDU | 3 F | 1 | 956 | |
|--------|------|-------|---------|----|------|-------------|------|--------|------|-------|-------|-------|--------|----|------|--------|------|----|------|----|
| 1533 | WBRZ | 2 LA | 1060 | | 1630 | WDSU | 6 LA | 1050 | | 1810 | KALB | 5 LA | 1054 | 11 | 0745 | KXMA | 21 | D | 1062 | £ |
| 1537 | WPBT | 2 FL | 1218 | | 1631 | KBTX | 3 TX | 1133 | 8 | 1915 | WBRZ | 2 LA | 1060 | | 0825 | KOTA | 3 5 | SD | 1082 | ė. |
| 1555 | WAL | 4 LA | 1055 | | 1707 | MJF | 102. | 3 | | 1930 | WPBT | 2 FL | 1218 | | 0830 | KPRY | 4 5 | SD | 925 | |
| | | | | | | | | Dece | mber | Trop | 199 | 1 | | | 00.3 | co4 11 | CLCT | - | 407 | |
| 20 043 | S.B | end/F | t Wayne | 21 | 2316 | S WAN | 17 | IL 454 | 1 | 28 12 | 36 WD | JT 58 | WI 324 | | | 604 W | | | | |

| | | OC TOOK LEVE CO AND OCO |
|---|--|---|
| 20 0430 S.Bend/Ft Wayne Most strong | 21 2316 WAND 17 IL 454 28 1236 WDJT 58 WI 324 2325 WEHS 60 IL 334 1237 WVTV 18 WI 324 | 28 1604 WSYT 68 NY 270 1631 WCIU 26 IL 334 |
| 0449 WJTC 26 0H 283 0451 WIIB 63 IN 377 0456 W59AC IN 180 // WAQP-49 0501 W698J MI 168 // WAQP-49 0611 WCET 48 0H 347 | 2334 KJLB 18 IA 479 1252 MGBA 26 MI 327 2343 MOJT 58 MI 324 1257 MKGZ 32 MI 327 2346 MCIU 26 IL 334 1258 KRĪĪN 32 IA 531 22 0008 MFIU 32 IL 333 1512 WĒRĪS 60 IL 333 0020 MKOI 43 IN 326 1513 WIMM 63 IN 225 0032 WCET 48 0H 347 1602 MSNS 44 IL 333 | 1828 KRIN 32 IA 531 Still in! 1847 WMV 15 WL 404 1936 WCM 27 ML 196 2001 CKNC 9 ON 202 2018 CIGI 5 ON 202 2022 CBEFT2-13 ON 202 |
| 0625 <u>WSTR</u> 64 OH 346 | 0040 WYIN 56 IN 339 1603 WFLD 32 IL 333 | 2027 CICOT9-19 ON 196 |

Pretty good results for December with several trops openings and a major Es session to boot. Hope everyone gets lots of great DX in 1991, 73 Jeff

Jim Renfrew 61 Wilcox St Rochester NY 14607-3832 Old GE color TV, Radio Shack rabbit ears

December 28.1991 Tropo

1207 CIII2 2 ON-no WGRZ! 2216 CICO 51 ON 2218 UNID 60 ?? With 2218 UNID 60 a x1tr? ČĪČŌ 55 ON WWTI-50 Watertown? 2245 CHOT 40 PO-WICZ-cci ? 2210 CICO 24 ON-cci to WCNY w/TVO pra 2217 CBOT 4 0N-no WIVB! at times Strongerthan 50 "C'est la vie sportif"

CHOT is a new province, had CCI with NBC programming. AM and shortwave were so bad tonight that I decided to check out the TV. Best trop to date on my limited equipment.

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

Equipment: JVC HR-D630U & HR-D910U VCRs w/indoor VHF dipoles & UHF 4-bay

| Dec | cemb | per 1 | 391 | | | | 28 | TR | 0238 | WXIN | 59 | IN | 430 | | TR | 0903 | WIJC | 56 D | | 340 |
|-----|------|----------------|------|-----|------|------|----|-----|--------|---|-----|------|------|-----|----|------|-------|---------|------|------|
| ØB | ES | 1759 | WWL | 4 | LA | 1100 | | | 0710 | MNII | 34 | IN | 355 | | | 1631 | WNPI | | Y | 255 |
| | | | New | Or | lear | 15 | | | | Sou | th | Bend | tp | \$ | | | Noru | | _ | - |
| | | 1800 | KTBS | 3 | LA | 1070 | CW | UPE | -FM at | udio) | | | | | | | (// | 4 | 1000 | (6) |
| | | | Shri | | | | | | 0712 | WHME | 46 | IN | 355 | | | 1829 | WAQP | | 1 | 215 |
| 201 | TR | 0455 | WKEF | | | 345 | | | | Sou | th | Bend | | | | | | naw | | |
| 20 | 111 | | WKOI | | | | - | | 0739 | | | | T 9 | 29 | TR | 0018 | CBCE | 16 0 | N | 190 |
| | | (TS) (T. 1876) | | | | | | | 0812 | 100000000000000000000000000000000000000 | | 2000 | 255 | | | | Litt | le C | ULI | ent |
| | | - | WIJC | | | 340 | | | RDIC | | | | | | | | C 117 | 1CTU- | CBI | -117 |
| | | 0637 | WHME | 46 | IN | I | | | | (\$ | w/5 | AP = | | | | | K-1 | ICT V | CD | 4 |
| 28 | TR | 0205 | WKEF | 22 | DH | 345 | | | Cen | tral | DH | Radi | 0 | 500 | - | - | 11 | 9 | -4 | 0.70 |
| | | | (au | dio | onl | (4) | | | Re | ading | Se | rvic | e) | 100 | | | TII / | n_{I} | | |
| | | 0210 | шили | 15 | IN | 355 | | | 0829 | [WBS | X J | 31 M | I 55 | 5 | | | | | - | |

...... Dude from Joisey PO Box 2999 Clifton NJ 07015-2999

Again, great trops elsewhere, but not here really. Just a comment or two. Are there IF filters available for the Teknika tuner that are more selective? You can't use a 10.7 IF (180,150,110 khz etc) I know, I tried. Has anyone in the WTFDA tried phasing UHF? There are now great possibilities of DX with phasing! Lets all experiment with phasing.

(ex-WIHT)

GREG CONIGUO 5100 GLENWOOD DRIVE WILLIAMSVILLE, NY 14221

For DXers in: MANH VT CT MARI NY PANJOH MI INJL WI MN IANESD ND MT WY ID. WA OR AK Canada

FEBRUARY 1992 DEADLINE: The 5th LOG CUTOFF: 2 months from when mailed It has been a surprising off-season so far. Quite a bit of skip has been seen in December and January, and not really a lot of aurora. Also there has been a good deal of trop noted, maybe even more trops than the regular fall trop season! Especially big was a very intense opening that affected parts of the Northeast December 28. Skip was noted late in November and early in December, and on Dec. 8, and 22, and January 6 especially. Please send your unIDs to Matt Sittels' CCI column. Thank you. If you have DX to report, let's hear from you!....

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNETICUT 06082 Equipment: Carver TX-11 and Sherwood S-7250 AM/FM receiver (both modified) with Probe 9 at 30 feet above ground level. New are underlined.

OCTOBER 1991 DX 23 Tr 1900 WMXN 105.3 VA Norfolk, Mix 105.3 2040 WOLC 102.5, WYFI 99.7, etc

2050 WSRF 105.7 NC Columbia, Surf 106 2100 WJQI 94.9 VA Virginia Beach, Joy 94.9 2130 WAFL 97.7 DE Milford, WAFL after dark 2133 WFME 94.7 NJ Newark, right thru WMAS! 2133 WZBH 93.5 DE Georgetown, The Beach 24 Tr

0641 WQSR 105.7 MD Catonsville 0642 WWMX106.5 MD Baltimore, Mix 106.5 1817 CBAF14 102.3 NB Frederickton, FF. was in for three hours!!

1828 WYOU 97.1, WQCB 106.5, WWFX 104.7 in 1925 WHMX 105.7 ME Lincoln, Hot Mix 106 Rock with some country!!

2000 CBZ 101.5 NB Frederickton, Toronto Symphony

2207 CBH 102.7 NS Sydney, wx and talk

OCT, 24 Tr continued 2225 CBHY 92.1 NS Yarmouth, mono 2225 CJLS 93.5 NS New Tusket, r, very strong 2237 CBHM 106.5 NS Middletown, opera 2240 CFRQ 104.3 NS Halifax.r.Classic Rock 104 2255 CBHL 97.1 NS Liverpool, // to 106.5 2320 CIOO 100.1 NS Halifax, C100 and 92 CJCH (WQVR had signed off)

0644 CBAF19 92.3 NS Halifax, FF thru WPRO 0651 CKTO 100.9 NS Truro, "Reeds in the AM" 500 miles, my farthest NS.

1808 WCAN 93.3 NY Canahajorie, // WAMC 1842 WNBT 104.5 PA Wellsboro, rare here NOVEMBER 1991 DX

2111 WRAV 94.5 NY Ravena, Mix 94, no calls



The October 23/24 tropo was fantastic! The best I have ever seen in that direction. Hearing CBAF-14 twice in a year was great. While going over the tape of the August 12 meteor shower I also found IDs from KFMH 99.7 (the plus, KFMH) and also WWIS 99.7. Finally, going back to my unID Spanish on 99.7 on 5/29, I received help from a fellow member who lives in Monterrey, Mexico. He listened to my tape and amazingly discovered a phone number and address which he confirmed as XHPL-99.7 in Ciudad Acuna, Mexico, by calling the station himself! This is, of course, my first Mexican station and first Mexican station and first double hopper at 1861 miles! I guess Es wasn't so dismal this summer.

JERRY MONROE - FALLS ROAD - MARCELLUS, NEW YORK 13108 Equipment: JVC 300 with two 110 khz IF filters, 10 element Radio Shack @ 35 feet. 10 element ch 2-6 @ 30 feet, bandpass filters and attenuators for phasing. In line traps tuneable to keep intermod products down, various preamps (mainly CATV type push, pull 75 ohm devices)

DECEMBER 1991 DX 14 MS Gemenids 0700 KFTR 88.9 TX Commerce "88.9 KFTR" 99.7 MI Ironwood 'We are WIMI' 0900 WMC 99.7 TN Memphis, freq + calls 0910 meteor scatter fading out fast

27 Tr 21 45 CBOD 89.3 ON Meynooth, parallel to Kingston 107.5, mono, good for 130 w. 2150 WMHN 89.3 NY Webster, WMHR xlator (Jerry, note calls and location here) 28 Super Trop!

1000 CBCE 97.5 ON Little Current, way over Watertown with CBC English News 1000 All Toronto-Ottawa full signal strength 1003 CJRQ 92.7 ON Sudbury, Q92, Rock n Roll at full strength! 350 miles!

DEC. 28 Trop continued! 1200 CBCN 96.1 ON North Bay, CBC news, I assume this, they are 100 kw and closer than Timmins at 45 kw. (Jerry, you are likely correct in that assumption-gc) 1300 CFUO 89.1 ON Ottawa, 3kw, stereo with reggae, over WJPZ, only 7 mi. away! 1305 WUGN 99.7 MI Midland, religion 1310 WCML 91.7 Ml Alpena, CMU network 2030 WUGN 99.7 MI Midland, still in good 2042 CFJB 95.7 ON Barrie, over 25 kw local! 2045 CHAY 93.1 ON Barre, over 100 kw 93Q! 29 Tr 0100 Rain started locally most ducting gone!! JANUARY 1992 DX

0918 KETR 88.9 TX Commerce, weather, 30 sec. burst, heard twice in a month! JERRY'S COMMENTS ON THE NEXT PAGE.

JERRY MONROE's REPORT continues All in all, a so-so trop season for Fall 91, but the holuday duct into Ontario DX blowout was phenomenal. I always wanted to hear Sudbury but never could. For 12 hours here on Dec. 28, they were at full signal strength. I can only imagine what my neighbors on the other side of Lake Ontario were hearing! Wonder if anyone out there picked up the Marantz tuner being liquidated by Comb or Damark, pretty good deal. My FM DX listening post is a mess of wires these days and the time is right for a complete overhaul. Good luck to all in 1992. Go Bills!

MIKE HAWK (NOOSY) 10212 P STREET - OMAHA, NEBRASKA 68127

Equipment: Kenwood KT-815 IF mod, Archer 6 element up 30', homemade notch filter

DECEMBER 1991 DX (CDT)

1110 KHCD 89.5 KS Salina, Radio Kansas 1111 KHCC 90.1 KS Hutchinson, same

1112 KANZ 91.1 KS Garden City 1122 KYEZ 93.7 KS Salina, k

1124 KJCK 94.5 KS Junction City, CHR

1133 KFDI 101.3 KS Wichita, k 1138 KRBB 97.9 KS Wichita, B98

0030 KWKH 94.5 LA Shreveport "light S wind shifting NW now in Shreveport" 0509 KLDE 94.5 TX Houston, "KLDE

pursues to bring you" 0529 KDGE 94.5 TX Gainesville, "is KDG.." 0643 KKOR 94.5 NM Gallup, "and Core FM" 2238 KOLX 94.5 AR Barling, "N. AR's best"

2347 WNED 94.5 NY Buffalo, long burst with end of CLA music and mention of local event (Mike, good thing you were DXing late they were off for a few hours earlier in the evening from a windstorm, enabling me to

hear KWKH on a MS burst tool-gc)

0627 KWEN 95.5 OK Tulsa, "your 50 min. Country station"

1747 KCEV 88.3 KS Wichita, rel.

21 Tr 0828 KMEM 96.7 MO Memphis

0832 KWWR 95.7 MO Mexico

0835 KIIK 95.9 IA Fairfield, AC, Kickin 96 0842 KRLS 92.1 IA Knoxville, "The heart of Marion County is KRLS"

2104 South East Third Street Aledo, Illinois 61231

Telephone 309/582-5666

DEC. 21 trop continued

0928 KKSI 101.5 IA Eddyville, Kiss FM

0933 WWCT 105.7 IL Peoria

0941 KBOE 104.9 IA Oskaloosa, k, ID, thought they were KOSK?

1131 WGEM 105.1 IL Quincy, k 1135 WTAZ 102.3 IL Morton

1138 KBKB 101.7 IA Fort Madison

1147 WBBA 97.5 IL Pittsfield,k

1212 WZZQ 107.5 IN Terre Haute, oldies

1401 KYSM 103.5 MN Mankato, k, SNN news 1403 KIOW 102.3 IA Forrest City

1409 WPXR 98.9 IL Rock Island, Power

1418 KEEZ 99.1 MN Mankato, Z-99 1513 WIAI 99.1 IL Danville

1536 KEEY 102.1 MN St. Paul, Vikings FB. local ads, Y102

1559 WGLO 95.5 IL Pekin, oldies

1600 KMCH 94.7 IA Manchester

1607 WDLM 89.3 IL East Moline

1635 KXIA 101.1 IA

Marshalltown, Kicks 10 1 1647 KFMH 99.7 IA Muscatine, 99 Plus

1653 KUOO 103.9 IA Spirit Lake

1705 WIOD 107.5 IL Galena, k

1728 KBBC 88.1 IA Waterloo, UC

1736 WGLT 89.1 IL Normal, NPR 2007 WRMJ102.3 IL Aledo

2100 WJTY 88.1 WI Lancaster

2139 WZOK 97.5 IL Rockford, 97-ZOK 2200 KCHA 95.9 IA Charles City, NBCnews

0001 KYQQ 106.5 KS Arkansas City, Q 106.5 1638 KGND 107.5 OK Ketchum, K-Grand

1800 KCLHt 97.9 KS Colby, C-98 23 MS

0010 unid 106.5 Mexico, many bursts with SS music and talk, on with beam SW or S (Mike, could it have been KQQK Galveston. I think they are still Spanish-gc)

1929 KNLV 103.9 NE Ord, k

1931 KRNY 102.3 NE Kearney, k, FM 102.3

I'm happy to report one more time before the year ended. Note the new tuner, which doesn't even compare with the Sangeon ATS-803 I was using. I can hear stations all day on the KT-815 that I couldn't hear at all on the ATS-803. Unfortunately, I haven't had the chance to improve the antenna system yet. I've come across a great deal on an Antennacraft FM10 and will be buying one of those soon (hopefully!) The Gemenids brought nice results with about 8 hours of monitoring bringing 6 stations and 5 new states. The 12/21 tropo was a nice surprise, with 2 new states and my farthest tropo logging yet. The KBBG logging was nice, their tower is only 85 feet HAAT. Next report will have results from the Quadratids, and hopefully some more tropol 73

| Equipment: JVC JRS 201 receiver (mod with 3 150 filter RG6 at 50 feet above ground level. Crown rotor. Distant | rs) Magnum Dynalab 205 Signal slueth, Probe 9 fed with nees are in kilometres. |
|---|---|
| DECEMBER 1991 DX | 14 TrS |
| 9 MS | 0415 WMGG 99.7 OH Columbus, op, Magic 99.7 |
| 0746 CJMM 99.1 PQ Rouyn-Noranda, rs, calls in | after Rod Stewart, Classic R&R Six Pack 423 |
| French, antenna due north 478 | 0540 WHCM 99.1 WV Parkersburg, k, |
| 14 GEMINID MS | Power Country 99, song by Alabama 460 |
| 0357 WHTK 99.7 SC Port Royal, r, calls 1196 | 0939 WVSR 102.7 WV Charleston, r, Super 102 |
| 0450 WYMX 99.1 MS Greenwood,r, Max 99! 1380 | Super Nintendo at Charleston Civic Ĉtr. 541 |
| 0628 unID 102.7 "It's The Original 102!" | 17 MS |
| 0632 WMXJ 102.7 FL Pompano Beach.r | 0812 WEOX 102.7 VT Manchester, re, EQX |
| "Listen to Magic 102.7" 1886 | "Manchester 102.7", 35th State 541 |
| 0652 WEBN 102.7 OH Cincinnati, rp. calls 575 | 21 E-skip (HO! HO! Merry DX Mas!!) |
| | 1631 KUAR 89.1 AR Little Rock, c, calls 1426 |
| | |

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

I taped for 8 hours from 2am to 10am during Gemenid meteor shower. Shower peaked about 5am with as many as a dozen bursts per minute. Thought I had Indiana when I heard "Perriwinkles 18 North Washington St. Muncie." Called Muncie area information but no such store. Checked Rand McNally index for other possible Muncies listed. When I got to PA, found Muncy very close to Williamsport. Phone there for number and sure enough they had a listing for Perriwinkles. Not a new logging but the search and challenge I find fun. Looks like 102.7 is another good open frequency for me, thanks to filters. I hope the list of Meteor Showers for 92 will help others to pinpoint possible times to listen for ms (It certainly will. Thanks for sending that Bruce!-gc) Charts are courtesy of January 1992 Astronomy magazine. 73dB

METEOR SHOWERS IN 1992

NORTHERN FM DX

Summer is usually the best time for seeing meteors. Unfortunately, the best summer meteor shower, the Perseids, is washed out this year by the Full Moon.

| Shower | Date | | Viewing Conditions |
|------------|---------|----|-----------------------|
| Quadrantid | Jan. 4 | 60 | Good |
| Lyrid | Apr. 21 | 10 | Fair |
| n Aquarid | May 4 | 35 | Good |
| δ Aquarid | July 28 | 20 | Good |
| Perseid | Aug. 12 | 75 | Poor . |
| Draconids | Oct. 8 | ? | Poor |
| Orionid | Oct. 21 | 25 | Good |
| S. Taurid | Nov. 2 | 10 | Fair |
| Leonid | Nov. 17 | 10 | Fair |
| Geminid | Dec. 13 | 75 | Fair |
| Ursid | Dec. 23 | 5 | Good |

A LIST OF MAJOR METEOR SHOWERS IN 1992

Taken from Astronomy Magazine, January 1992 issue. Thanks to Bruce Hall for the contribution!

FRED NORDQUIST - 7945 BOXFORD ROAD - CLAY, NEW YORK 13041-8606 (ELT) Equipment: Receiver: Carver TX-11a modified with five Toko 110 kkhz IF filters. Antenna: Two CM Stereo Probe 9's (SP9s) (on seperate masts) at 35 feet AGL, CAC-11, 75 ohm coax feedlines (cut 1/2 wavelength difference at 100 Mhz). RS variable attentuator for anter polito bond mass filton (male vilt). I le d

| nderlin |
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| |
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| 649 |
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| 159 |
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| 238 |
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| |
| 91 |
| 8@1600 |
| 781 |
| 848 |
| 1069 |
| |

| | tentuator for antenna matching/phasing, and hi ed new to log (with stereo). | ome |
|-------|--|------|
| | DEC. 22 E-skip continued | |
| | The state of the s | 597 |
| | | 092 |
| 649 | 24 MS | |
| | 1000 WLWI 92.3 AL Montgomery*, ID | |
| 159 | burst over WRRN (prev Es) | 927 |
| | 26 Tr | |
| | 0930 WCPZ 102.7 OH Sandusky*, ID | 355 |
| 238 | 28 Super Tr: 2 stagnant Highs over US/Can b | ordr |
| | 0134 WPHD 94.7 PA Tioga*, dassic rock | |
| | KGB-FM, ex: 93.3 | 98 |
| | 1204 WFUM 91.1 MI Flint, ID/TC | 381 |
| 91 | 1258 CKLN 88.1 ON Toronto, with WFRW | |
| @1600 | phased out on the same path. | 167 |
| 781 | 1318 WCPZ 102.7 OH* Sandusky, r | 355 |
| 848 | FRED'S DX CONTINUES NÉXT PAGE | 9 |
| 1069 | | 7.6 |

FRED NORDOUIST'S REPORT continues...

| | 11122110112 % | 200 2 . 0 |
|------|-------------------------------------|-----------|
| DEC | 28 Trops continue | |
| 1322 | WUGN 99.7 MI Midland, g, Family | |
| | Life Radio (in for 3 hours) | 408 |
| 1648 | CJRQ 92.7 ON Sudbury, Q92FM, p | 333 |
| 1710 | CHRW 94.7 ON London, ID/p, L&C | 258 |
| 1731 | CBBL 100.5 ON London, over WVOR | |
| | with CBC Stereo Network-opera | 258 |
| 1758 | CBCB 98.7 ON Owen Sound, CBC | |
| | station over local WNYZ | 259 |
| 1844 | CBON17 95.1 ON North Bay, FFC o/ | |
| | Rocket 95 in Rochester | 274 |
| 2031 | WIPD 92.3 MI Ishpeming*, k, sev IDs | 611 |
| | | |



FEBRUARY 1992

The asterisked (*) loggings were made possible by 110 khz filter mod. Totals at 1582. December DX was Christmas gift while on vacation. On the subject of phase shifters for FM co-channel elimination, the Practical Antenna Handbook by Joseph Carr (Library # 621.384) covers antenna phase cancellation techniques. Also there's a pamphlet from Microwave Filter Company that gives concepts and operating instructions for their co-channel eliminator. Does anybody have a source for cheap 8db directional couplers and instructions on how to select assemble toroidal transformers for a 100 Mhz 1:1 (180 degree phase shift-75 ohm in/out) balun transformers? These items seem to be key elements for phase cancellation of co-channel FM stations. I've completed and refined a BASIC computer program/ ASCII database for generating great circle distance calculations and printing (on 10 pages) the distances between a DXer's location and cities in North & Central America (and Carribean). It includes distances (in miles) for over 4800 cities with TV / FM stations in 79 political units, including all (except unique translator) locations listed in the WTFDA North American TV Database and FM Atlas (Part I Listing) as well as Central American & Carribean countries listed in WRTVH. A \$2.00 donation to cover costs of mailing and printing will get you your personalized listing. Also include with your request the Great Circle Coordinates of your DX location (e.g. 43 deg 8 min N & long 76 deg 8 min W).

BOB SMOLAREK - 156 OLDWICK ROAD - WHITEHOUSE STATION, NJ 08889

| DX FROM MT.POCONO |). PA - Equipment: | GE Superradio | (modified with | 110 filter) |
|-------------------|--------------------|---------------|----------------|-------------|

| DECE | MBER | 1991 D | X | |
|-------|------|--------|----|-----------------------|
| 27 Tr | | | | |
| 2330 | WFGY | 98.1 | PA | Altoona, Froggy 99, I |
| 2332 | WRKK | 97.7 | PA | Jersey Shore, r |
| 2334 | WKPQ | 105.3 | NY | Hornell, r |
| 2336 | WYSN | 101.7 | PA | Central City, m |
| 2340 | WQXT | 101.7 | NY | Owego, o |
| 2343 | WALY | 103.9 | PA | Bellwood, Y-104 |

2347 WDBA 107.3 PA DuBois, g. strong!

2350 WMJQ 102.5 NY Buffalo, tough thru WRFY, Hi Great

2352 WYXL 97.3 NY Ithaca



DECEMBER 28 Tr 0001 WOWQ102.1 PA DuBois 0004 WIYQ 99.1 PA Ebensburg, o 0010 WGBE 107.9 PA Williamsport, relaying an AM talk station. 1000 WZKZ 106.1 NY Corning 1001 WHCN 105.9 CT Hartford, rp 1004 WAVR 102.3 NY Waverly 1312 WUNS 96.3 PA Lewisburg 1316 WLAK 103,5 PA Huntingdon 2243 WRKE 101.7 DE Ocean View, rs 2245 WQHQ 104.7 MD Ocean City, r 2250 WRDR 104.9 NJ Egg Hbr City, o/WWDL! 2256 WAAI 100.9 MD Hurlock, k 2319 WAYV 95.1 NJ Atlantic City, r

2325 WAFL 97.7 DE Milford

While visiting a friend here in Northeast PA I was treated to 2 days of great trop, never heard Western PA up here as good as this weekend. This was all done on Superadio with no outdoor antenna. Bill Nienajadly put a 110 filter in it and it works fabulous! Bill told me DX was not as good in NJ as here. 73s



SEND IN REPORT TODCIY!!

1140 WEST ERIE STREET

CHICAGO, ILLINOIS 60622

DAVE NIEMAN-12284 NICE RD-AKRON NY 14001-9529

Equipment: Carver TX-11 tuner IF filter modified, CM Stereo Probe 9 at 25' on crankup tower. Alliance HD-73 rotor and RG-11 coax. New loggings are underlined.

| DECEMBER 1991 DX | | 22 E-skip 1457 KAAN 95.5 MD Bethany, "Regional Radi | 0 |
|--|------|--|-----|
| 5 troposcatter 1444 WODJ 107.3 Ml Greenville, call, o\$ | 335 | Can", Kansas City Chiefs football | 821 |
| 11 E-skip 0932 KBHE 89.3 SD Rapid City, area NX,\$ | 1235 | 28 tropo 1845 WKPK 106.7 Ml Gaylord,"The Peak", r\$ | 341 |

DAVE NIEMAN-HO STA GEH RD-ROCK CITY NY

Equipment: Technics ST-8080 tuner JF filter modified with two 110khz & two 180khz JF filters. Antenperaft EM-10 at 10' and RG-6 cpax. Armstrong rotor. All new to Rock City log.

| DECEMBER 1991 DX | | 1229 CBON21104.9 ON Gogama, call, t FF 431 |
|---|-----|--|
| 28 tropo | 222 | 1233 CJQM 104.3 DN Sault Ste. Marie, "Q Country-104", k\$ 423 |
| 1016 WAIR 92.5 MI Atlanta, "W-AIR", o\$ | 366 | de coodinat y non y no |
| 1104 CBO 91.5 DN Ottawa, CBC nx, t mono | 272 | 1300 WBRX 94.7 PA Patton, ID/WBRX1 Altoona+ |
| 1116 CFMO 93.9 ON Ottawa, call. b\$ | 272 | "Lite 95-FM", mr\$, 9 |
| 1137 CFPL 95.9 ON London, "FM-96", r\$ | 156 | 1309 WRJS 98.5 PA Dil City, call, k\$ 8 |

Alot of stations in this day. Wish I had a warm place to DX from: maybe next year. Dave Bill Nienajadly PO Box 2999 Clifton NJ 07015-2999 Dude from Joisey MUF Breakdown for December 1991 as of 12/19/91 - No ID's on FM or TV noted - but still,4 ES days!

12/2 1800 MUF possibly FM, 12/8 1700 MUF 4, 12/9 1700 MUF 2 gone by 1745, 12/19 2245 MUF 3 Noted Max bursts per minute via MS-16 BPM on morning of 12/14

12/8 MS 0823 99.7 WMSR tent "Manchester National Bank" not enough to count as Manchester TN. 12/13 MS 0731 99.7 Which one? "Power 99" Atlanta GA or Jackson MS? (both prior loggings.) 12/14 MS 0725 99.7 WRFX tent NC Kannapolis "..Charlotte Observer...investigating..."

".....Ask Hi-Vee to put together one of thier delicous food baskets ...delivery available. And lots of different baskets to choose

from. Happy Holidays from Hi-Vee food store...." (10 sec burst) 12/14 MS 1000 99.7 WWIS WI Black River Falls (male voice) "...coming up on AM 1060, join us

for morning meditations and on FM 99 Seven it's more good music. This is WWIS, Black River WWIS Radio Falls....(female voice)...The music you like FM 99.7 mhz . AM 1260 khz best...." (13 second burst)

12/12 TR 1828 WTTH 96.1 NJ Margate City 12/12 TR 2234 WBNJ 105.5 NJ Cape May 1835 WRKE 101.7 DE Ocean View o/WNNN ****
1839 WKHI 99.9 MD Salisbury (rare here) 2236 WSLT 106.3 NJ Ocean City ÖVER WHTG same bearing! **** 1841 WQHQ 104.7 MD Salisbury 2245 WZXL 100.7 NJ Wildwood 1844 WDNO 95.3 DE Laurel (good strength) 2322 WIBF 103.9 PA Jenkintown 1849 WWTR 95.9 DE Betany Beach **** ŸĒŠĪ!! Finally **** 2330 WHOM 94.9 NH Mt Washington OVER WADB! 1928 WAAI 100.9 MD Hurlock (in good) +BOSTON FM's also Norfolk VA

Any ideas who has Hi-Vee food stores in the area? Help! My best MS logging ever was WWIS with a perfect ID! Wow. Dec was a pretty OK month for DX with a surprise trop opening thrown in and enabling me to log long wanted WIBF, WSLT, WWTR and others.

**** Denotes phasing with rabbit ears and 10 db amp, and outside 6 element FM ant w/10db amp & rotor. Phasing DOES work very nicely! Goodxing!!!

STATION NEWS: WBMW 106.5 in Conneticut is on the air with an adult contemporary format. WDNO 95.3 in Laurel, Maryland is also on the air. Thanks Bill Nienajadly for that information. KAAN in Bethany, MO is on 95.5, ex: 95.9. Back in Pennsylvania. WBRX 94.7 Patton-Altoona (and their booster WBRX1 Altoona) are on again with mrs, "Lite 95 FM". WPHD Tioga, PA is now on 94.7, ex 93.3, relaying album WKGB-FM. Thanks Dave Nieman. In Eastern NY, WRAV 94.5 Ravena is on with a/c and "Mix 94" slogan. Thanks Mike Bugaj and Bill Nienajadly. In the Midwest, KKVU 105.9 Omaha changed to KKCD, "CD 105.9" and an oldies format. 104.1 Yankton, SD becomes WNAX-FM and also oldies. In O'Neill, Neb., WBRX 102.9 is a variety format. Mike Hawk heard Garth Brooks, Michael Jackson, and Kermit the Frog all in a row!! Thanks for updating us Mike! WQTX 105.1 Roanoke, IN is silent, and WIOK in Falmouth, KY is now on 107.5, "OK 107.5", gs. WIZZ 104.5 Montpelier-Bryan, Ohio is on with country, "Country 104.5" and "Wheels". Thanks Ralph Strobel. Jacksonville's 107.3 "The Rooster" is now WROO. In Rochester, 95.1 is now WRQI, "Rocket 95" and a lite album rock format, like WBOS in Boston. They have referred to their target city as "Rocketchester". KBUZ 99.1 El Dorado, Ks. is now simulcasting Christian KTCM.

| R | ALPH STR | OBEL - 106 E. DAVI | DSON | STREET - M | UNCIE, | INI | DIANA 47303 | |
|------------|----------|--|--------|-------------|---------|------|--------------------|-------|
| Equipment: | McInto | sh MR-78 FM Tuner | with | two CM \$te | reo Pro | be | 9 antennas and r | otors |
| at 38 and | 36 feet | above ground with | phase | box built | by And | у | Bolin - Charlesto | n, II |
| November 1 | 991 (EST |) | | 2 Es (De | cember | cor | nt'd) | |
| 8 Au | | | | 1700 KNTU | 88.1 | XT | Denton, nx, \$ | 800 |
| 1958 WEZL | 103.5 SC | Charleston, k | 592 | 1700 KCBI | 90.9 | TX | Dallas, ID, \$ | 814 |
| 10 MS | | | | 1806 KEOM | 88.3 | TX | Mesquite, r\$ | 808 |
| 0600 WMTO | 93.5 FL | Port St. Joe | 717 | 1806 KNON | 89.3 | TX | Dallas, k\$, | 814 |
| 14 MS | | | | e | x=90.9 | | 5 | - |
| 2307 WMAW | 88.1 MS | Meridian | 570 | | | TX | Austin, ad, \$ | 978 |
| 19 tr | | | | 1812 KVWG | 95.3 | mγ | Pearsall nv S | 1090 |
| 1505 WKHG | 104.9 KY | Leitchfield, wx, | \$ 200 | 1818 KRIO | 94.1 | TX | Floresville, ks | 1050 |
| (WERK | 104.9 IN | Muncie, off air) | | 1824 KNLE | 88-1 | TX | Round Rock, g\$ | 970 |
| 24 tr | | | | 1828 KPAE | 91.5 | T.A | Erwinville, g\$ | 756 |
| 1844 WLZZ | 104.5 OH | Montpelier-Bryan, | 102 | 6 MS | | | mr. mr. mr. mr. Bo | 100 |
| "Country- | 104.5." | "Wheels," k\$ | | 0500 WITS | 88-1 | FT. | Bradenton | 892 |
| (o/WAJC | 104.5 IN | Indy) | 50 | 6 tr | | | DIAGNOON | 092 |
| 25 MS | | ************************************** | | | 107.5 | ΚV | Falmouth, g\$, | 120 |
| 0850 KNTU | 88.1 TX | Denton | 809 | | x-95.3 | *** | "OK-107.5" | Tru |
| 28 MS | | | | 11 MS | ~-//•/ | | OK-IO/.) | |
| 0240 WMT0 | 93.5 FL | Port St. Joe | 717 | 2331 WMAW | 88.1 | MS | Meridian | 570 |
| 29 Es | | 11300-311 (1031-13-3-4-2) | | 14 MS | 00.1 | 110 | nerraran | 210 |
| 2020 KJIC | 88.1 TX | Pasadena, g mono | 913 | 0830 KNTU | 88 7 | mv | Denton | 809 |
| 2022 KGRM | 91.5 LA | Grambling, s\$, | | 1000 KNTU | | | Denton | 809 |
| PSA for G | rambling | State Univ. snack | har) | 21 MS | 00.1 | LA | Denton | 009 |
| 2024 KHMX | 96.5 TX | Houston, ads, \$ | | 0002 WJIS | 88 1 | ਬਾਰ | Bradenton | 892 |
| 2026 KZFX | 107.5 TX | Lake Jackson- | | 0143 unID | | | ? DE ?? | 222 |
| | | Houston, \$ | ,,, | 0231 WKRY | | | Key West | 20000 |
| 2035 KIOX | 96.9 TX | El Campo, k\$, | 965 | 21 gw | 37.7 | E TI | key west | 1100 |
| | 2772 777 | "X-97" | 707 | 0604 WROU | 02.1 | OH | West Carrollton- | 10 |
| 50 MS | | - 71 | i i | OOO4 WROD | AC+T | | | |
| | 88-1 FT. | Bradenton | 892 | (WBST | 02.7 | | Dayton, s\$, "U-9 | |
| ecember 1 | | 22000000 | 392 | 27 tr | 76.1 | TW | Muncie, off air) | |
| 2 Es | 774 | | - 1 | 0100 WLRX | OF T | *** | ************* | - 0- |
| | 89.7 my | Abilene, nx, \$ | 961 | OTOO MEKY | 90.7 | | Nappanee-Elkhart | - 87 |
| >> MAGO | ~201 IV | vorrene, ur' 9 | 901 | | | | Warsaw, o\$ | |
| | | Meteo | r Scat | ter Resul | ts: | | | |

| N/10 WMTO "WMTO Port St. Joe- | 13 |
|---|-----|
| Mexico Beach" | Ĭ |
| N/14 WMAW "our Mississippi weather | I a |
| forecast - cloudy" | t |
| N/25 KNTU "88.1 KNTU" | f |
| N/28 WMTO " The Treadmill, Highway 98, | 0 |
| Highland View, a business that keeps | |
| growing" | W |
| | |
| N/30 WJIS "Yes, it's that time of | Dit |
| year. Bring in the Christmas season right | t |
| with the Christmas tree lighting at City | M |
| Hall, Bradenton" | У |
| D/ 6 WJIS "from his CD On Solid Ground | p |
| on the Joy-FM. It is five o'clock | - |
| straight up" | |
| D/11 WMAW "twenty-nine before eleven, | 7 |
| b/ll anna wenty-nine before eleven, | (|
| 7007 1 11 | |

you're listening to PRM..." D/14 KNTU "...and of course, we left out another Saturday on that, but that's ok because we can only assume so much information and assimilate it and pass it on through the air from KNTU. If you want any information on that ... " KNTU "...KNTU Denton..." D/21 WJIS "...You've been listening to the Joy-FM Power of Devotion, heard Monday through Friday at 11 p.m. with your hosts Dr. D. James Kennedy and Dr. Paul Walker. Join us again next time..." unID "...we're the beaches ... " WKRY "... It feels good on Key ... " (All DX recorded on tape as usual)

1991 brought me 132 new FM stations. Highlights of last summer's Es brought me two new countries - Cuba and The Bahamas. Upon studying my reports, I find that 30 of the 132 would have been impossible without the phase box, installed last April 27. Last fall rated zero in regard to tr openings. Others found an identical situation. Hearing some late November and early December Es was most unusual. There was no Es at the first of the year, as in previous times.

WQTX 105.1 Roanoke, IN hasn't been on the air in a number of months. Bob Zent and I can only assume that this station has gone "balls up!" WQTX was simulcasting WGL-AM, mono talk radio from Fort Wayne. Good riddance to an overload pest, remarks Bob, who visited me on December 27. Bob lives one mile from the WQTX tower. By the way, WLS-FM in Chicago may be all talk, but is still in Stereo. My local WERK-FM (formerly WOKZ), is now oldies and is off air 0100-0530 every day. 73- KAlph

| GVER COLLIGERO - 2100 GTEM # 1000 D | IN STITUTE OF THE PARTY AND A TOTAL TARGET |
|---|--|
| DECEMBER 1991 DX | DEC. 28 Great Trop continues! |
| 8 Es | 1710 WIOG 102.5 MI Bay City, r\$ was |
| 1740 unIDs on 89.5 over CIUT, T40 on 97.5 | OVER local WMJQ 105 kw 22mi!!!!!! 266 |
| 12 MS | 1717 WIKB 99.1 MI Iron River, local |
| 0927 KFUO 99.1 MO Clayton, local ad 675 | calendar and weather, calls 534 |
| 14 MS & TrS (92.9.94.5.99.5.&107.7 off the air) | 1910 CBON 104.9 ON Gogama, FF mono 370 |
| 0915 unID 104.9 IA "Scores from around the | 1914 CBCN 96.1 ON North Bay, CBC |
| state", then many scores from Iowa teams | EE mono, over WJYE, 50 kw 12 mill! 226 |
| 2125 WRKR 107.7 MI Portage, calls, into | 1915 CKWR 98.7 ON Kitchener, ethnic\$ |
| a song by the Doors, classic rock 343 | low power station but full strength! 100 |
| 2135 WHSB 107.7 MI Alpena, local ex 278 | 1916 CJMJ 100.3 ON Ottawa, LOCAL 224 |
| 2211 WHMQ 107.7 OH North Baltimore,k\$ 289 | 1917 CBOX 102.5 ON Ottawa, WAY over |
| 2244 WEZF 92.9 VT Burlington, Music | local WMJQ alsol!! Incredible, c\$ 224 |
| for the Green Mtn State, rm\$, calls 311 | 1954 CFNJ 99.1 PQ Ste-Gabriel de Brandon |
| 2315 KWKHt 94.5 LA Shreveport, | modern rock\$, calls in French 345 |
| "94.5KH Doug Stone" 1090 | 2000 CB- 92.3 ON Haliburton, o/WRRN |
| 28 Super Trops!! | 2001 CBOF7 98.1 ON Cornwall, FF mono |
| 1452 WHSB 107.7 MI Alpena, r\$ over lcl 278 | and news phased over CHFI! 250 |
| 1452 WMQT 107.5 MI Marquette, r\$ (top 40) | 2008 CBF3 88.3 PQ L'Annotacion, |
| "Q107", strong o/CBCM, legal 504 | French parallel to 91.9 320 |
| 1455 CIXK 106.5 ON Owen Sound, Count- | 2110 CBOF6 102.1 ON Brockville, French |
| Down Canada, o/WYRK 12 mi. & 50 kw!! 153 | same as 98.1 this time over CFNY!! 190 |
| 1537 CFGL 105.7 PQ Laval, French, m\$ | 2112 CFLG 104.5 ON Cornwall, calls |
| phased nulled local CHRE! 301 | over CHUM, Royals Hockey game 250 |
| 1540 CITE1 102.7 PQ Sherbrocke, mb\$, | JANUARY 1992 DX |
| ads in French, Cite 375 | 6 Es2245 CKIX 99.1 |
| 1545 CHEQ 101.1 ON Smiths Falls, k\$, Q101 | NF St.Johns, k\$ show 1294 |
| way over local CKEY Ft.Eriel!! 200 | 2246 CBNM 90.3 NF Marystown, CBC |
| 1552 WSRD 104.9 NY Johnstown, of | English in mono. 1178 |
| satellite fed, legal ID, strong 215 | 2252 CKOZ 92.3 NF Corner Brook, rp\$ |
| 1638 WLDR 101.9 MI Traverse City, rm\$ | 2254 CBAF 92.3 NS Halifax, FF mono 734 |
| Starship song, Sunny 102 o/WDET & | 2315 CBAF 95.9 NS Sydney, same 933 |
| an elevated CFRC due to trop 362 | 2320 CBAF 105.9 NF St.Johns, same 1294 |
| 1649 WCEN 94.5 MI Mt.Pleasant, k\$, | 9 Es |
| "94.5", phased o/WNED 100kw 20milt!! 309 | 0024 CFRU 93.3 ON Guelph, modern r |
| 1655 WYYY 94.5 NY Syracuse, way ovrl! 130 | with WWSE & an unID ("WRAF" I think |
| 1657 WKJF 92.9 MI Cadillac, rm\$, KJF | it was CFMU), calls and legal ID! 88 |
| local wx, phased o/WBUF 91 kw @ 20 mill 339 | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
| The opening on December 28 was incredible. Il | nave never seen a stronger opening-so many local |

NORTHERN FM DX

The opening on December 28 was incredible. I have never seen a stronger opening-so many local stations nulled! I did this well on TV too, see ETVDX for more details. More locals nulled but no IDs gained: AOR to NE over CHTZ 97.7 (Montreal?), k\$ over CHIN 100.7 (Henderson, NY likely), r\$ over CJXY 95.3 to NE (Gouverneur?). Also forgot to mention: CIMF 94.9 PQ over CKQT on car radio. I may have seen openings that have travelled farther, but none at this incredible signal strength. I may have logged more if closer in semi-locals were not so elevated. Everything north of an east-west line running right thru here was very elevated, almost nothing to the south of here. There has been quite a bit of trop so far in December & January. After a cold and snowy start to this season, it has been quite mild lately.

A Guide to Northern FM DX

| NYTOWN, USA 99999 (5) | 55) 555-5555 |
|--|---|
| (Coptional) Propagation Es = E-skip Ir = Tropo IrS = Troposcatter MS = Meteor Scatter Au = Aurora GW = Groundwave formats can be combined (\$=stereo sig) | formats k = country r = rock c = classical o = oldies m = middle of road t = talk f = folk s = soul, urban |
| THE PARTY | re (optional) repagation s = E-skip r = Tropo rS = Troposcatter dS = Meteor Scatter au = Aurora GW = Groundwave ormats can be |

new state

t = tentative logging

SOUTHERNOFMOX

PEDDIADV 1002

Danny Buntin 1312 N. Skyline Stillwater, OK 74075

DEADLINE: 14th

AFTER A SILENT DECEMBER, OFF SEASON SKIP TURNS UP IN JANUARY.

| Keith D. Pugh, 227 Martin St., New Hope, Al | 35760 |
|---|--|
| Equipt .: McIntosh MR-78, Probe 9, RG6 coax | 33700 |
| 12/9 tr | 12/14 tr |
| 2225 KTAL 98.1 TX Texarkana, 98 rock, ad 450 | |
| | |
| 2229 KXKZ 107.5 LA Ruston, k, ads 405 | |
| 2241 KGRM 91.5 LA Grambling, ID 410 | |
| 2243 KTUX 98.9 TX Carthage, r,ads 500 | |
| 2250 WVIM 95.3 MS Coldwater, g, V-95FM 207 | |
| 2258 KITT 93.7 LA Shreveport, ID 450 | |
| 2301 KWKH 94.5 LA Shreveport,,ID, o/WAPI 2303 WTGY 95.7 MS Charleston, Mix 96,ex 94. | 1630 WHCB 91.5 TN Bristol, g, ID |
| 2303 WIGY 95.7 MS Charleston, Mix 96,ex 94. | 3 1642 WAXM 93.5 VA Big Stone Gap,k, K-93 |
| 2314 WDMS 100.7 MS Greenville, k | 1910 WANY 106.3 KY Albany, k |
| 12/10 tr | 1/6 Es |
| 0000 KCLT 104.9 AR West Helena, s,T-105 258 | |
| 0002 WCLD 103.9 MS Cleveland, s,@ Jammin 104 | |
| 0020 WKRA 92.7 MS Holly Springs, o, K-93 | 1654 KMXR 93.9 TX Corpus Christi, wx, ID |
| 0956 KTUX 98.9 TX Carthage, Tux 99 500 | |
| | |
| 1128 WVCP 88.5 TN Gallatin, (rare) | 1700 KOIR 88.5 TX Edinburg, SS, ID |
| 1623 WGNP 90.7 GA Albany, g, ID 235 | |
| 12/11 gw (new to air) | 1705 XHMG 102.9 NL Monterrey, ID |
| 1156 WLXY 100.7 AL Northport, or, ID, \$ 108 | |
| 12/12 trs | 1710 X??? 100.5 VE Veracruz, \$, city ID |
| 0203 KYTN 104.9 TN Union City,k, ID | 1715 All Veracruz FMs in except needed 102.1 |
| 12/13 tr | The state of the s |
| 2159 KASU 91.9 AR Jonesoro, ID | 1/7 Es |
| 2203 WTBG 95.3 TN Brownsville, 1cl. ads | 1051 unID 91.5 c, \$ |
| 2301 WIWL 101.5 TN McKinnon, o, ID\$ | 1053 KYCK 97.1 MN Crookston, 97 Kick FM |
| ms | 1055 KNOX 94.7 ND Grand Forks, ads |
| 2338 WLLZ 98.7 MI Detroit | 1000 1000 5117 No Grand Loring and |
| add Hall South The Decirote | |
| | |
| Matt Sittal P O Pov 21/51 511 T Wood Hall | 1 NCCH Palaigh NC 27607 |
| Matt Sittel, P. O. Box 21451, 511-J Wood Hal | |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay | 1, NCSU, Raleigh, NC 27607 FM antenna standing vertically in dorm room, |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. | FM antenna standing vertically in dorm room, |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 |
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| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCKR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCXR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMR 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WVTR 91.9 VA Marion, new stat. 175 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 ES 1701 JBC 91.1 JAMAICA, "100.3 FM", ID 1441 1702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 1559 WVTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1957 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 2151 WHEN 99.1 OH Dayton, "K99" 277 1159 WEEN 102.7 OH Cincinnati, ID 222 2206 WWILT 92.1 SC Bamberg 232 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 90.5 NC Wilson, b, ID 46 11/18 tr 10857 WCXR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WYTR 91.9 VA Marion, new stat. 175 KINGSPORT IN DX | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 ES 1701 JBC 91.1 JAMAICA, "100.3 FM", ID 1441 1702 RJR 94.5 JAMAICA, island mentions 12/18 tr 100.7 VA Richland, ID 61 1559 WVIR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1957 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 2151 WHKO 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2206 WWILT 92.1 SC Bamberg 232 2218 WFFO 94.7 IN Indianapolis, "Q95" 303 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas,calls 242 0950 WCKR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCKR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WYTR 91.9 VA Marion,new stat. 175 KINCSPORT IN DX 11/29 ES 936 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 Es 1701 JBC 91.1 JAMAICA, "100.3 FM", ID 1441 1702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 1559 WYTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1957 WIRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 12/51 WHKO 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2206 WMIT 92.1 SC Bamberg 232 2218 WFEQ 94.7 IN Indianapolis, "Q95" 303 2244 WZ23AA 92.5 ?? xltr of WAXM 93.5 VA ?? |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 93.7 DE Wilmington, wx 323 11/18 tr 90.5 NC Wilson, b, ID 46 11/18 tr 99.7 SC Port Royal, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWJM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WVTR 91.9 VA Marion, new stat. 175 KINGSPORT IN DX 11/29 ES 936 2003 KNIN 92.9 TX Wichita Falls, calls | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 ES 1701 JEC 91.1 JAMAICA, "100.3 FM", ID 1441 702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 1559 WYTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1957 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 2151 WHEN 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2206 WWLT 92.1 SC Bamberg 232 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2259 WWW 89.9 WW Huntington, net ID 142 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCXR 105.9 VA Woodbridge, calls213 1033 WHFK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WYTR 91.9 VA Marion, new stat. 175 KINGSPORT IN DX 11/29 Es 2003 KNIN 92.9 TX Wichita Falls, calls 2005 KSEM 106.3 TX Seminole, calls 1177 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 Es 1701 JBC 91.1 JAMAICA, "100.3 FM", ID 1441 1702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 1559 WVTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1957 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 2151 WHEN 99.1 OH Dayton, "K99" 277 1259 WEEN 102.7 OH Cincinnati, ID 222 2218 WFEQ 94.7 IN Indianapolis, "Q95" 303 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2259 WVWW 89.9 WW Huntington, net ID 12 2259 WWWW 89.9 WW Huntington, k 222 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas,calls 242 0950 WCKR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCKR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WMMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WJTR 91.9 VA Marion,new stat. 175 KINGSPORT TN DX 11/29 ES 2003 KNIN 92.9 TX Wichita Falls, calls 2005 KSEM 106.3 TX Seminole, calls 1177 2007 KFMX 94.5 TX Lubbock, calls 1116 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 Es 1701 JBC 91.1 JAMAICA, "100.3 FM", ID 1441 1702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 1559 WVTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1975 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 12151 WHKO 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2218 WFED 94.7 IN Indianapolis, "Q95" 303 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2259 WWW 89.9 WW Huntington, net ID 142 2313 WUSEK 97.1 KY Somerset 124 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCXR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WVTR 91.9 VA Marion, new stat. 175 KINGSPORT IN DX 11/29 ES 936 2003 KNIN 92.9 TX Wichita Falls, calls 2005 KSEM 106.3 TX Seminole, calls 1177 2007 KFMX 94.5 TX Lubbock, calls 1116 2010 KWFX 103.3 TX Wichita Falls, cl. ad | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 ES 91.7 SC Greenville, g\$, ID 129 ES 91.7 JAMAICA, "100.3 FM", ID 1441 7001 WRIC 94.5 JAMAICA, island mentions 12/18 tr 100.7 VA Richland, ID 61 1559 WYTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 12/87 WIRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 2151 WHKO 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2206 WMIT 92.1 SC Bamberg 232 2218 WFEQ 94.7 IN Indianapolis, "Q95" 303 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2259 WVWV 89.9 WV Huntington, net ID 142 2313 WUSE 105.1 OH Cincinnati, "B105", k 222 2329 WSEK 97.1 KY Somerset 124 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMDR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCXR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WVTR 91.9 VA Marion, new stat. 175 KINGSFORT TN DX 11/29 Es 2003 KNIN 92.9 TX Wichita Falls, calls 2015 KSEM 106.3 TX Seminole, calls 1177 2007 KFMX 94.5 TX Lubbock, calls 1116 2010 KWFX 103.3 TX Wichita Falls, cl. ad 2012 KKRX 98.1 OK Lawton, area ad 902 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 Es 1701 JBC 91.1 JAMAICA, "100.3 FM", ID 1441 1702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 1559 WVTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1975 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 12151 WHKO 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2218 WFED 94.7 IN Indianapolis, "Q95" 303 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2259 WWW 89.9 WW Huntington, net ID 142 2313 WUSEK 97.1 KY Somerset 124 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCXR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WVTR 91.9 VA Marion, new stat. 175 KINGSPORT IN DX 11/29 ES 936 2003 KNIN 92.9 TX Wichita Falls, calls 2005 KSEM 106.3 TX Seminole, calls 1177 2007 KFMX 94.5 TX Lubbock, calls 1116 2010 KWFX 103.3 TX Wichita Falls, cl. ad | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 Es 1701 JEC 91.1 JAMAICA, "100.3 FM", ID 1441 702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 7559 WSTW 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1957 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 1519 WHEN 99.1 OH Dayton, "K99" 277 1519 WHEN 99.1 OH Dayton, "K99" 277 1529 WEND 102.7 OH Cincinnati, ID 222 2206 WWLT 92.1 SC Bamberg 232 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2259 WWWW 89.9 WW Huntington, net ID 142 2329 WSEK 105.1 OH Cincinnati,"B105", k 222 2329 WSEK 97.1 KY Somerset 124 12/22 tr 0005 WGTZ 92.9 OH Eaton, area ad 257 |
| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas,calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMJR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCXR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WMMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WVTR 91.9 VA Marion,new stat. 175 KINGSPORT IN DX 11/29 ES 2003 KNIN 92.9 TX Wichita Falls, calls 2015 KVRP 94.5 TX Lubbock, calls 1116 2010 KWFX 103.3 TX Wichita Falls,lcl. ad 2012 KKRX 98.1 OK Lawton, area ad 902 2015 KVRP 95.5 TX Haskell, cals 1008 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 Es 1701 JBC 91.1 JAMAICA, "100.3 FM", ID 1441 1702 RJR 94.5 JAMAICA, island mentions 12/18 tr 1001 WRIC 100.7 VA Richland, ID 61 1559 WYTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1977 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 12751 WHKO 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2218 WFD 94.7 IN Indianapolis, "Q95" 332 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2313 WUSE 105.1 OH Cincinnati,"B105", k 222 2313 WSEK 12/22 tr 0005 WGTZ 92.9 OH Eaton, area ad 257 0014 WWEL 103.9 KY London, area ad 101 |
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| Equipt.: Yamaha TX-900U tuner, Archer 6-bay Archer FM Signal amplifier, rabbit ears. 11/15 tr Raleigh, NC DX 0949 WJFK 106.7 VA Manassas, calls 242 0950 WCXR 105.9 VA Woodbridge, "CXR"213 0959 WETA 90.9 DC Washington, ID 236 1000 WMDR 107.7 VA Warrenton, ID 209 1012 WMJS 92.7 MD Prince Frederick, ad 1026 WSTW 93.7 DE Wilmington, wx 323 11/17 gw 1358 WAHD 11/18 tr 0857 WCXR 105.9 VA Woodbridge, calls213 1033 WHTK 99.7 SC Port Royal, calls259 11/20 tr 1700 WWMM 107.3 SC Anderson, "Magic 107" 12/12 tr 1000 WVTR 91.9 VA Marion, new stat. 175 KINGSPORT TN DX 11/29 Es 2003 KNIN 92.9 TX Wichita Falls, calls 2015 KSEM 106.3 TX Seminole, calls 1176 2010 KWFX 103.3 TX Wichita Falls, lcl. ad 2012 KKRX 98.1 OK Lawton, area ad 902 2015 KVRY 99.5 TX Haskell, cals 1008 2016 KYMI 107.9 TX Los Ybanez, ad 1139 2024 KPOS 107.3 TX Post, calls 1097 | FM antenna standing vertically in dorm room, 11/30 gw Kingsport, TN, cont. 0959 WTBI 91.7 SC Greenville, g\$, ID 129 ES 1701 JEC 91.1 JAMAICA, "100.3 FM", ID 1441 7010 WRIC 100.7 VA Richland, ID 61 1559 WYTR 91.9 VA Marion, ID 63 12/20 tr 1559 WSEV 105.5 TN Gatlinburg, ID 75 1957 WLRH 89.3 AL Huntsville 268 2011 WMIK 92.7 KY Middlesboro, "KY93" 69 12/21 tr 2151 WHKO 99.1 OH Dayton, "K99" 277 2159 WEEN 102.7 OH Cincinnati, ID 222 2206 WWLT 92.1 SC Bamberg 232 2244 W223AA 92.5 ?? xltr of WAXM 93.5 VA ?? 2259 WWW 89.9 W Huntington, net ID 142 2313 WUBE 105.1 OH Cincinnati, "B105", k 222 2329 WSEK 97.1 KY Somerset 124 12/22 tr 0005 WGTZ 92.9 OH Eaton, area ad 101 0022 WAZU 102.9 OH Springfield, "Wazoo",r 253 0048 WTLC 105.7 IN Indianapolis, calls,s 303 |
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cont...

| SOUTHERN FM DX | Sitel, | | | | | FEBRUARY | 1992 |
|--|--------|-------|------|-------|-----|-------------------------|-------|
| 12/22 tr | 252 | 1/4 t | | 02.0 | 7.T | Tuscaloosa, ID | 373 |
| 0227 WEEC 100.7 OH Springfield, calls | 233 | | WIVG | 36.3 | AL | Tuscatoosa, ID | 3/3 |
| 0230 WOFE 105.7 TN Rockwood | 128 | Es | | 00 7 | | | 070 |
| 0236 WWKI 100.5 IN Kokomo, calls | | | | 93.7 | TX | Houston, cals | 878 |
| | | 1/5 t | | | | | |
| 0314 WAEY 95.9 WV Princeton, cals,k, | 102 | | | | | Koscinsko, locals wx | 463 |
| 1012 WJLS 99.5 WV Beckley, calls | 119 | | | | | Nashville, "103 KDF" | 246 |
| 1342 WQEN 103.7 AL Gadsden, "Q104" | 258 | 1517 | WOEN | 103.7 | AL | Gadsden, calls | 258 |
| 1/1 tr | (1) | 1529 | WZZK | 104.7 | AL | Birmingham, calls | 317 |
| 1159 WFQS 91.3 NC Franklin, ID | 98 | 1531 | WAPI | 94.5 | AL | Birmingham, "195" | 317 |
| 1854 WPSK 107.1 VA Pulaski, "PSK", k | 106 | 1532 | ULMW | | | Birmingham, "Magic 96" | |
| | 1053 | 1541 | WTUG | 92.9 | AL | Tuscalosa"Power 93-TVG | "373 |
| KSRR 92.9 TX San Antonio, "Star | 93" | 1559 | WLRH | 89.3 | AL | Huntsville, ID | 268 |
| KFRX 102.7 NE Lincoln, calls | 819 | 1559 | WPLN | 90.3 | TN | Nashville, ID | 246 |
| 1/4 ms | 1,000 | | | | AL | Montgomery, "Sunny 103" | 354 |
| KFRX 102.7 NE Lincoln, calls | 819 | 1700 | WOBB | 104.5 | TN | Powell, "Q104" | 88 |
| WMXJ 102.7 FL Pompano Beach | 720 | | WVFJ | | | Manchester, "The Joy FM | 1"274 |
| KFRX 102.7 NE Lincoln, calls | 819 | 2133 | WOKK | | | Meridian, "97-OKK", k | |
| KFOX 102.7 TX Merkel, "Fox 102"1 | | | | | | Meridian, "Q101" | 450 |
| | | | | | | Albertville, solid for | 256 |
| Es 1238 KKBQ 92.9 TX Pasadena "Easy Cou | ntry" | | hour | | | | 77.50 |
| | | | | | | | |

DX over the holidays in Kingsport made up for a poor fall season in Raleigh. Last holiday I logged 35 while in TN, and this year, only 33, hi! Two great openings, the 12/21-22 into IN and OH, and 1/4-5 int AL and MS. I'm always amazed that the best trops in Kingsport occur at this time of the year. WTUG is now on 92.9 and scatters into Kingsport, so it sure gets out! It was solid on 1/5 along with the other Birmingham stuff. I hope everyone else has had some good DX, also. 73's.

| ONT. | from | last | month: | lvertip Dr., 78228-2 | | | | | |
|--------|-------|-------|--------|----------------------|---|--|-------|-----|----------------|
| 11/5 E | Es | | | | 11/5 1 | Es | | | |
| 529 | WBUC- | 101.3 | WV | Buckhannon | 1748 | WAPE | 95.1 | FL | Jacksonville |
| 1533 | WVHE | 92.7 | WV | Clarksburg | 1750 | WMTO | 93.5 | FL | Port St. Joe |
| | | 88.5 | | Charleston | 1753 | WWLV | 94.5 | FL. | Daytona Beach |
| 1543 | | 88.5 | | Buckhannon | 1800 | WWKA | 92.3 | FL. | Driando |
| 1547 | MSAC | 92. | | Louisa | 1801 | MYUU | 92.5 | FL | Safety Harbor |
| | MDAA | 39.5 | | Davidson | 1830 | MMCU | 89.7 | FL | Miami |
| 1725 | WMUU- | | | Breenville | | | | | |
| | WHITC | 35.5 | | Greensboro | | | | | |
| 712 | WRIX- | | | Honea Path | 9: (E | and the same of th | | | |
| 1714 | WDLX | 93. | | Washington | | KLGT | 92.7 | WY | Buffalo |
| | | 94.5 | | Atlanta | | KAML- | | WY | Gillette |
| | WEDS- | | | Columbia | | KHOW- | | CO | Denver |
| | WKOD | | | JacksonVille | 1835 | KMGW | 94.5 | WY | Casper |
| | WKOA | | | Murrerls Inlet | 100000000000000000000000000000000000000 | | 105.9 | CO | Denver |
| | WKML | | | Lumberton | | KTAK | 93.9 | WY | Riverton |
| 1724 | WBBQ- | | | Augusta | | KKDL | 95.1 | MN | Detroit Lakes |
| 1725 | WYAI | 104. | | La Granse | | KORS- | | MN | Golden Valley |
| | | 106. | | Fort Valley | | KDAL- | | MN | Duluth |
| | WBAM- | | | Montegomery | 1859 | MEAE- | | MN | Eveleth |
| | WIPEZ | | | Macon | 1900 | KSTP- | | MM | St. Paul |
| | WSWT- | | | Sandersville | 1905 | KMFY | 96.9 | MM | Grand Rapids |
| 17.4 | MHXK | | | Fort Valley | 1911 | KOOL | | MM | Anoka |
| | WHYS | | | Macon | 1924 | KEZO- | 92.3 | NE | Omaha |
| | WATE | 96. | | Charleston | | | | | |
| | WLJY | | | Bilton Head Is | 1000 | | | | |
| 1772 | WBYZ | 94. | | Bax:ey | | | | | ive for ID's |
| | WHITH | 99. | 7 SC | Port Royal | | | | | the EST "rush |
| | WOLS | 103. | | Dzark | | | | | ads, tfc rpts, |
| 1742 | WHILZ | 92. | 5 SC | Manning | etc | are o | arrie | d! | |

MT. GREYLOCK DXPEDITION

On Sept 21, 1991, four WTFDA members made a DXepedition to the summit of the highest mountain in the state of Massachusetts, Mt. Greylock 3,487 feet. Bob Smolarek, Bill Nollman, George Greene, and Bill Kretschmer all enjoyed the spectacular views at the summit. Albany, the Catskill Mts, and Vermont could be seen with the naked. eye. Being so high up meant very strong signals, Bill Nollman said the Hartford stations were stronger up here than at his home. All of the new docket 80-90 stations closed many frequencies that just a few years ago would have yielded interesting DX. The best catch wKPI from Norfolk, VA. Some other good ones were WKPQ 105.J and WCHR 94.5, WRAV in Ravena NY was not on the air yet. Besides Hartford being so strong, the Hudson Valley stations were also monsters. Plus we had to deal with WAMC's transmitter being about 300 feet away! But Bob's MR-78 handled it well. Nollman used a Sony ST-5130 modified and Kretschmer used a modified Yamaha TX-900U. We concentrated on the commercial section of the band, almost ignoring the educational section.

| 2 W | TVCP | | | | | | The second | City | St |
|------|------|------|---|----------------|-----|------------------------------|------------|--|----------|
| | | 88.3 | City Loudonville | NY | 68 | WWWK | | Ellenville | NY |
| 3 6 | THMW | 89.1 | Schenectady | NY | 69 | WHMP | 00 3 | Northampton | MA |
| | TBR | 89.7 | Pittsfield | MA | 7.0 | WGY | 99.5 | Schenectady | NY |
| | NAMC | 90.3 | Albany | NY | 7.1 | WYFI | 99.7 | Norfolk | VA |
| | VBUR | 90.9 | Boston | MA | 72 | WEZN | | Bridgeport | CT |
| | WLEN | 91.1 | Schenectady Pittsfield Albany Boston North Adams | 362 | 73 | | 99.9 | | MA |
| | WRPI | 91.5 | Troy | NY | 7.4 | WMNB | | | MA |
| | NCFM | 91.9 | Williamstown | MA | | WDST | | Woodstock | NY |
| | NRNQ | 92.1 | Poughkeepsie | NY | | WHTZ | | Newark | NJ |
| 10 W | | 92.1 | Deterhorough | PLEA | 70 | WHEB | | | |
| | WFLY | 92.3 | Peterborough Troy | 1413 | 70 | | | Portsmouth New Britain | NH |
| | WYZ | 92.5 | Troy Waterbury Middletown | N.I. | 70 | WKBE | | | CT |
| | VKOJ | 92.7 | waterbury | 4.1 | /9 | WVAY | 100.5 | Warrensburg | NA |
| 14 W | | 92.7 | Brattleboro | VT | 0.0 | | | Wilmington | VT NY |
| | VBOS | | Brackline | 4.1 | 0.1 | WHUD | 100.7 | Peekskill | NY |
| 16 W | | 92.9 | Brattleboro Brookline Burlington Springfield Canajoharie Taunton Hudson | 2725 | 82 | WELL | 100.9 | | NY |
| | | | Buriington | VI | 8.3 | WLKO | 101.1 | Fort Plain Manchester | NY |
| 17 W | | 93.1 | Springileia | MA | 84 | WGIR | 101.1 | Manchester | |
| | NCAN | 93.3 | Canajoharie | MA NY CT | 85 | WCBS | 101.1 | New York | NY |
| | NSNE | 93.3 | Taunton | MA | 86 | MKCI | 101.3 | Hamden | CT |
| 20 W | | 93.5 | Hudson | NY | 87 | WSSV | 101.3 | Stillwater | NY |
| 21 W | | 93.7 | Hartford | CT | 88 | MEDI | 101.5 | Poughkeepsie | NY |
| 22 W | | 93.9 | New York | NY | 0.7 | M. Coloredo | TOT | FICTRITETA | MA |
| 23 W | | 93.9 | Norwich | NV | 9.0 | WJIV | 101.9 | Cherry Valley Springfield | NY |
| 24 W | | 94.1 | Whitehall | NY | 91 | WAQY | 102.1 | Springfield | MA |
| 25 W | WYSP | 94.1 | Whitehall Philadelphia Kingston Bennington Boston Trenton Springfield Newark Frankfort Mt Washington Brockfield Sunderland Greenfield | PA | 92 | WZRC | 102.3 | Saratoga Springs | NY |
| 26 W | MAGE | 94.3 | Kingston | NY | 93 | WCRB | 102.5 | Waltham | MA |
| 27 W | WHGC | 94.3 | Bennington | VT | 94 | WUUU | 102.5 | Rome | NY |
| 28 W | VZOU | 94.5 | Boston | MA | 95 | WEOX | 102.7 | Manchester | MT. |
| 29 W | CHR | 94.5 | Trenton | N.T | 96 | MUBC | 102.9 | Manchester Hartford | CT |
| 30 W | | 94.7 | Springfield | MA | 97 | WHDI | 103.1 | | NY |
| 31 W | | 94.7 | Newark | NT | 9.9 | WCNV | 103.1 | Newburgh | BTS/ |
| 32 W | | 94.9 | Frankfort | NV | 0.0 | Wone | 103.1 | Boston | MA |
| 33 W | | 94.9 | Mt Washington | 3757 | 100 | MODO | 103.5 | Seleterists | |
| 34 W | | 95.1 | nc washington | NH | 100 | WSHO | 103.5 | Cobleskill | NY |
| | IJAN | 95.1 | Brookileid | CT | 101 | MINI | 103.5 | Lake Success | NY |
| 36 W | | 99.1 | Sunderland | VI | 102 | WKNE | 103.7 | Keene | NH |
| | | 95.3 | Greenileid | MA | 103 | WWRX WQBK | 103.7 | Westerly Rensselaer Waterbury Utica New York | RI |
| 37 W | | 2000 | Albany | NY | 104 | MÖBK | 103.9 | Rensselaer | MA |
| 38 W | | 95.7 | Hartford | CT | 105 | WIOF | TOAT | Waterbury | CT |
| 39 W | | 95.7 | Manchester | NH | 106 | WQBK WIOF WKGW WNCN | 104.3 | Utica | NY |
| 40 W | | 95.9 | Pittsfield | MA | 107 | WNCN | 104.3 | New York Fitchburg Poughkeepsie Johnstown Great Barrington | NY |
| 41 W | | 96.1 | WOLCESTEL | MA | 108 | WXLO | 104.5 | Fitchburg | MA |
| 42 W | | 96.3 | Voorheesville Hartford | NY | 109 | WSPK | 104.7 | Poughkeepsie | NY |
| 43 W | | 96.5 | Hartford | CT | 110 | WSRD | 104.9 | Johnstown | NY |
| 44 W | | 96.7 | Clifton Park | NY | 111 | WBBS | 105.1 | Great Barrington | MA |
| 45 W | | 96.9 | Clifton Park Arlington Utica | NY | 112 | WINKE | 105.3 | Philadelphia | PA. |
| 46 W | | 96.9 | Utica | NY | 113 | CKBY WKPQ WBEC | | | ON |
| | ZRT | 97.1 | Rutland | VT | 114 | WKPQ | 105.3 | Hornell | |
| 48 W | | 97.1 | New York | NY | 115 | WBEC | 105.5 | Hornell Pittsfield Framingham | NY MA |
| 49 W | MYY | 97.3 | Schoharie | NY | 116 | WVBF | 105.7 | Framingham | MA |
| 50 W | VZAD | 97.3 | Wurtsboro | NY | 117 | WMRV | | | NY |
| 51 W | INGN | 97.5 | Hoosick Falls Amsterdam | NY | 118 | WHCN | | | CT |
| 52 W | KOL | 97.7 | Amsterdam | NY | 119 | WHDO | 106 1 | Clarement | NH |
| 53 W | IC2X | 97.7 | Hyde Park | NY | 120 | WBLI | 106.1 | | NY |
| | INO | 97.7 | Winchendon | | | WCOD | 106 1 | Hyannis | |
| 55 W | | | Enfield | | | WHOB | | | MA |
| 56 W | | 97.9 | New York | | | WVIP | | | NH |
| | JJR | 98.1 | | | | WPYX | 100.3 | Mount Kisco Albany | NY |
| | | 98.1 | New Bedford | | | WLTW | | Albany | NY |
| | | 98.3 | Rotterdam | MA | 125 | WILLW | | New York | NY |
| 60 W | | 98.3 | Greenfield | MA | 120 | MMUA | | BOSTON | MA |
| 61 W | | 00 E | Catskill | MA | 12/ | WCCC | 106.9 | Hartford Hudson Falls | CT |
| 62 W | | 98.3 | Catskill | NY | 128 | WAYI | 101.1 | Hudson Falls | NY |
| 63 W | | 98.7 | New YORK | NY | 129 | WAAF | | | MA |
| | | 98.7 | winchester | NH | 130 | WBLS | | | NY |
| 64 W | UKU | 98.9 | Burlington | VT | 131 | WFCC | | Chatham | MA |
| 65 W | USL | 98.9 | Philadelphia | PA | 132 | CBCK | 107.5 | Kingston | ON |
| 66 W | | 99.1 | Rotterdam Greenfield Catskill New York Winchester Burlington Philadelphia Henniker New Haven | NH | 133 | WGNA | 107.7 | Albany | NY |
| | | 99-1 | New Haven | Corp | 174 | WYKK | 107 0 | | MA |



THERE'S PLENTY OF INTERESTING CONTENT THIS MONTH COURTESY OF CHARLES GAUTHIER IN BROSSARD, PQ (who sent the clips from "La Presse" in Montreal), AND MIKE CHERRY OF GANGES, BC (who contributed the "Toronto Star" bits). THERE'S EVEN SOMETHING FOR THE RADIO BUFFS! OF SPECIAL INTEREST.. THE BI-LINGUAL LISTINGS FOR THE CBC FRENCH NETWORK. ALSO NOTE THE CHANNEL 6 LISTING FOR WHAM-TV IN ROCHESTER, WY. IT'S NOW WROC-TV (8). EMJOY!

PREPARED FOR VUD BY TOM BRYANT, 849 TODD PREIS DRIVE, NASHVILLE, TN, 37221

LA PRESSE, MONTREAL, SAMEDI & SEPTEMBRE 1956 -

CKAC CFCF. RADIO CHLP CBF CKVL CJMS

CBM CJAD 17:45 P.M.

CRVL—La Baquaise CBM—Jazz Workshot CJAD—Nouvelles et Club 800 12:00 MIDI CEAC—Nouvelles et chansons du midi chansons du midi CHLP—Beure feminine CHLP—Musique legère CHLP—Musique legère du Midi CHLP—Sons Farra en CHLP—Reduction de la company de 4:15 P.M. CJMS-Place aux Jeu 4:30 P.M. CEAC—Musics Sur Americans CHLP—Grands succès CJMS—Nouvelles CKVL—Parads CEM—From Jolson On CPUF—Hock N Koll 12:15 P.M. CKAC-Colonisation CBM-Farm Club CJAD-News Quia 4:45 P.M. CJAD—News Gins
12:30 P.M.
CKAC—Chansons de
CKVL—Edition spécis
CBF—Réveil Fural
CJMS—Nouvelles et
Sports
CBM—Siamp Club
CJAD—Nouvelles CHLP-Nouvelles CJMS-Cocktall dansant 5-00 CKAC—Nouvelles et Toute la ville Darle CBF—Rribmes et charsons CHLP—Grands succès CJAD—Nouvelles
12:45 P.M.
CKVL—Chansonnettes
ei nouvelles
CJMS—Liberace
CBM—Water Bables
CJAD—Sports table CFCF-Western Swing CBM-Int. Handleap 5:30 P.M. CBF-Pot-pourri CJMS-Rétrospective CBM-Baffet Club CJAD-Bing Sings 1:00 P.M.
CEAC—Nouvelles
CHLF—Nouvelles
CBF—Plane
CJMS—Radio Quartier
CAVI—Parade
CFC—F. Sinatra
CBM—Nouvelles 1:00 P.M. 5:45 P.M. CKVL-Nouvelles et parade CJAD-Preakness Race 6:00 P.M. CBM-Nouvelles
et mátéo
CJAD-Nouvelles et
Quebec Report CKAC—Apéritif musical et Courses CHLP—Nouvelles et sports 1:15 P.M. sports
CBF—Radio-Journal
et sport
CKVL—Sports et
Hit parade CKAC—Nos srtistes canadiens CBF—Nouvelles CFCF—Baseball CBM—This Week CJAD—Showtime Hit parade
CJMS—Angelus et
nouvelles
CBM-Nouvelles
CJBD-Nouvelles et
Ballroom
6:15 P.M. CBM—Subortime
1.30 P.M.
CRAC—Entrevies et
CRAC—Entrevies et
CRAC—Chartenes et
CRAC—Chartenes et
CRAC—Chartenes et
CRAC—Chartenes et
Ballroom
6.15 P.M.
CRAC—Forum des Soc
CHLP—Grands succès
CHLP—Grands succès
CHLP—Grands succès
CHLP—Arrivolde
CMS—Rendonnée
ettivale
CMS—Rendonnée
ettivale
CMS—Rendonnée
ettivale
CMS—Rendonnée 1:45 P.M. CAVI.—Parado of nouvolles CHLP—Nouvelles CBM—Speaker's choice CKAC—Nouvelles
CBF—Orchestre
de Boston
CJMS—Emission italianas
CFCF—Nouvelles 2:00 P.M. CRAC—Nouvelles
CRAC—Nouvelles
CBP_Det disques
CBP_Det little of the day
CRAS—Les parse que
CRAS—CRAS—Res CRAS—Senna CFCF-Nouvenes --Sports CBM-Melodis per Tutil CKAC-Les cordes qui CHLP-Nouvelles CHM-Summer Date 2:30 P.M. 7:08 P.M. CRAC-Hit Parade CJMS-Emission qui vient de France 7:08 P.M.
CKAC-Le Chupelet
CKAC-Le Chupelet
CKLP-Le Rosaire
CFC-Ric Parade
CFC-Ric Parade
CBM-Bugg Exten Sextet
CBM-Nouveles et
GJAD-Nouveles et
7:15 P.M. 2:45 P.M. 3:00 P.M. CKAC-Nouvelles et jam CJAD-Nouvelles et Robert Q Lewis CKAC-Nouvelles 3:15 P.M. CKVI.—Theat, des étolies ses et chansons
CHLP-Musique trigane
CBF-Musique des
Pays-Bas
CNVL-Hit Parade
CBM-Roving Reporter
CJAD-Upheat Saturday
Night 3:30 P.M. CJMS-Render-your des vecettes CBM-Folk Sons 3:45 P.M. 3.45 P.M.
CMS_Papis-Montréal
CKVI—Théáire des voltes
CKVI—Théáire des voltes
CKIAD—Kentucky Derby
4.90 P.M.
4.90 P.M.
6.90 P.M

SAMEDI CJAD Sport, neuvalles 8:00 P.M. CKAC-Le petit Bal CKLP-Velliés du terr CBF-Récital CR'L-On danse CFCF-Home Town Jamberes CBM-Now I Ask You CJAD-Juke Box Jury 8:30 P.M. E:30 P.M.
CNAC—Succès
américains
CBF—Montage
CJMS—Emission russe
CBM—Prairie Schooner 9:00 P.M. 9-00 P.M.
CIAG-Mudc-Hall
SULT-Concert (FILIP
CST-Nouvelles et Jar
CT-P. Spenser of
CIM-Touch Paint
CAD-Nouvelles et
Stutter of
CHLP-Salutos Paint
CHLP-Salutos smagos
CHLP-Salutos smagos 10:00 P.M. CKAC—Ted Beath et Orch. CHLP—Chansons de genre de genre
CBF-Nouvelles et
Tour de chant
CKVL-Manchette
et on danse
GFCF-News and
Strange Wills
GJAD-Nouvelles et
Dill Moodle Orch.
CBM-National News
and Canadian Yarns 10:15 P.M. CHLP-Nouvelles CBM-Boston Orch. 10:30 P.M. CKAC Sérènade CHLP-Voire vedetis CHLP-Woire vedetis CHS-Images du Capada CJMS-Nouvelles CFCI-News and Sports CJAD-News and Lombardo 10:45 P.M. CKAC—Nouvelles et Jean-Louis Garnen CHLF—Intermedes et CJMS—Réverie CFCF—Juke Box

11:00 P.M.

CKAC-Bonsoir les sportifs

11:30 P.M. CRF-IA fin du feur CBM-The Bergen Festival

12:00 MINUIT

2:15-Jr Science 2:30-Fury 2:15—Jr Science
2:30—Fury
3:06—Western Theatre
5:00—Homesvun Harmonies
5:00—Fury
5:00—T.R.A.
5:00—Neikhborbood Laps
6:30—Amsteur Hour
7:30—People are funny
5:00—Petry Come Show
10:00—Jishable Welk Show
10:00—Jishable Welk Show
10:30—Your Hit Parade WMTW - Canal 8 POLAND SPRING, ME. FOLAND SPRING, ME.

113—Wings around the World

500—Bother Playbous

600—Vestling

100—Bother Blaybous

500—Jackie Gleaton

500—Stage Shoule Night

500—Jackie Gleaton

100—Bother Blaybous

100—Bother Blaybous

100—Bother Blaybous

100—Bother Blaybous

101—The Band Blaybous

1115—The Band Blayb les sportifs
CHLP-On danss à
Montrési
CEF-Adagio
CEV-Journal et prière
CNMS-Regard sur le jars
CNMS-Sons of the
CAD-Sons of the
CAD-Sons of the
Music
Olaboration
11:15 P.M. CHAC-Willie Lamothe CHVL-Vecation Jambore CJAD-Make Mine Music Dimanche 9 septembre 1956 CBFT - Canal 2 IZ:00 MINUIT
CRAC-Nowvelles et dans
musique de dans
CHIP-Fin des émissions
CRYL-On dans
CXYL-On dans
CJMS-Fin des émissions
CFCF-Nouvelles
CBM-Mer Lorrains
CJAD-Nouvelles et
musique

AM
9.30—Test Pattern
0.00—Mixing Bowl
0.00—Ills Fun To Reduce
1.00—Ills Fun To Reduce
1.00—Ills Fun To Reduce
1.00—Strike II Rich
2.00—Across The Fence
2.130—Search For Tomorrow
ph.—Guilling Light 2.55.—Search For Jounes or Jones or Jones of the Control of the Co

A la télévision

Samedi 8 septembre 1956 WPTZ - Canal 5 PLATTSBURG, N.Y. CBFY - Canal 2 HATTSURG, N.

12:00—Tust Pattern

3:15—Secred Herri

3:15—Secred Herri

3:25—Zee parads

4:00—Golde Wide World

5:50—Oral Roberts

6:00—Meet The Press

6:00—Meet The Press

6:00—Meet The Press

6:00—Goodyear Playhous

10:00—Lorett Young

11:00—Urew Yearson. SS Football nimes 1.00 - Control animes
6.15 - West animes
6.15 - West animes
6.00 - Vacances au cirque
7.00 - Ca soli - Ca

CBMT - Canal 6

BURLINGTON, VT.

-Gunsmoke -Damon Runyon Show -News -Your Command Parform

WPTZ - Canal 5

PLATTSBURG, N.Y.

AM
D 20—Captain Kansaros
10:30—Wighty Mause Playbous
10:30—Mighty Mause Playbous
10:30—Department Vas
12:30—Department
12:30—Department
12:30—Days Sanch
12:30—Bar Sanch
12:30

FOLAND SERING, ME.

12:00—16:15 Take, A Trie
13:00—16:15 Take, A Trie
13:00—16:15 Take, A Trie
13:00—16:15 Take, A Trie
13:00—16:15 Take, Trie
13:00—16:15 Take, Trie
13:00—16:16 Take, Trie
14:00—16:16 Take, Trie
15:00—16:16 Take, Trie
16:00—16:16 Take, 1:55—Football lipe Fence 1:00—Football lipe Fence 1:00—Crunch and Des 1:00—Crunch and Des 1:00—Crunch and Des 1:00—Crunch and Des 1:00—Interpuded Se 1:00—Inter WCAX - Canal 3

Lundi 10 septembre 1.

WMTW - Canal R

CBFT - Canal 2 5.00—Jeax du cirque 5.11—Fleolo 5.12—Fleolo 5.13—Fleolo 5.14—Fleolografi 7.00—Ca seir 7.00—Ca

CBMT - Canál 6

500.-Mowdy Dondy 5:30.-Peppermini Prince 5:45.-Picture Please 6:00.-Riching II 6:00.-Piching II 7:00.-Aroling II 7:00.-Aroling Towars 7:00.-Tabbid Towar 7:00.-Tabbid Towar 7:00.-Tabbid Towar 8:00.-Earlie Guest! 0:00.-Earlie II WCAX - Canal 3 BURLINGTON, VT.

33

LOG-TIME TABLE 1520 1200 | 1100 | 1400 | 1500 1600 900 | 1000 | 1100 800 860 930 970 1050 HISO CJBC WEEN WEER CHUM WHAM 1550 1600

FM STATIONS CBL-FM-99.1 mc. CFRB-FM-99.9 mc. CIRT-FM-883' mc. CHML-FM-94.1 mc, CHTB-FM-97.7 mc. CFRA-FM-93.9 mc. CBO-FM-103.3 mc. WBEN-FM-106.5 mc. WBNY-FM-92.9 mc. WEBR-FM-96.9 mc.

> ALL BADIO AND TELE-VISION PROGRAMS LISTED IN EASTERN DAYLIGHT SAVING

TREE, CEXTS—Mess; Joe Crysias, Sports Crysias, Sports Crysias, Sports Crysias, Sports Crimin—Midweek Hymn Sing Crys—Strange Wife Market to John Strange Wife Crime Protographs: Walle-Crime Protographs: Walle-Crime Protographs: 3.00 P.M. 10.45 P.M. 10.45 P.M.

S.00 P.M.

CRI.—Berlis Braden Story
GybC.—Brothe Franchise V
Cythal, Circl.—Berlish-C
Laster Show-V
CURT-YEA-Uside V
LIGHT STANDAR SINGUIST
LIGHT STANDAR SINGUIST
WITH FRANK SINGUIST
WITH FRANK SINGUIST
WITH FRANK SINGUIST
WITH FRANK SINGUIST
WEATHER Show-V
CRIC Tony the Troubday
CRIC Convery and Sports
WEARN SINGUIST
S.50 F.M.
CRIC Tony the Troubday
CRIC STANDAR SINGUIST
S.50 F.M.
CRIC STANDAR SINGUIST
CRIC STANDA

CBL-C.B.C. News Roundup CPRB-Philip Marlowe-D CROC-Starlight Convert-6 11.30 P.M.

Tout concurrent a une

chance de gagner

\$64,000 au cours du

programme de TV

en Amérique du Nord.

à 10.30 p.m

le plus populaire

Le dimanche

REVLON \$64,000

CHLT-TV SHERBROOKE

CRIMI.—Take a Chance CKOC—ARTHUR GODFREY TALENT SCOUTS CHVO—The Three Suns F WBEN—Father Knows Best WGE, WSF—Lost Persons D WKERW—Date With Judy-C WKERW—Pathing and Hunting

10.00 P.M.

10.00 P.M.

78L. CRCO. John and Judy
CVBC.—Soin and Judy
CVBC.—Soins Rafiol(-1)
CFRS, CHML.—Suspense-D.
CKEY.—Drama Workshop
WHEN.—Seresa Cuild
WKIW.—Nusteru Hour
WKIW.—Nusteru Hour
WKIW.—Nusteru Hour
10.30 P.M.
CRU. CRCC.—Wayus and

10.30 F.DL.
CROC.—Wayns and
Shuster Show-C
CIBC.—Blondie-C
GFRS.—Reflections
GKEY.—News: Job.

2.00 P.51 WHEN-Test Patter 2.30 P.M.

WHEN-Penn-Cornell, 5.00 P.M. WHEN, WHAM-Ho makers' Exchange 5.30 P.M. WBEN-Western Movie 6.00 P.M. WDEN-Thanksgiving Day Pestival 7.00 P.M. WEEN-Test Pattern 7.25 P.M.

WDEN-Playbill (7.27) WHAM-Billboard

WHEN-Test Pattern

5.00 P.M.

5.30 P.M.

6.10 P.M.

6.15 P.M.

WHEN Playbill preview

WHEN, WHAM—Judy Splinters Show 6.30 P.M.

WBEN, WHAM-Howdy

WBEN, WHAM-Home makers' Exchange

WEEN-You and Your

6.00 P.M. WBEN-Test Pattern

Thursday, November 24 (1949) -N.B.C. Program 7.45 P.M. 8.00 P.M. BEN. WHAM-Kukla, Fran and Ollie 8 30 P.M. -Ships Reporter WBEN, WHAM-News Careyan

12.00 MIDNIGHT 12.05 P.M. WHEN-To Peggy: Sports Review; Weather Forecast

Friday, November 25 10.00 A.M.+1.00 P.M 7.00 P.M. -Shoppers Guide 7.25 P.M. 200 PM -500 PM. WHAM-Billboard 7.30 P.M. WHAM-Program Side 7.40 P.M.

WBEN-T.V. Showcase 7.45 P.M . WHEN-Sports Spotlight 7.55 P.M. WHAM-Latin Americane 8.00 P.M. WHEN, WHAM-Kukla, Fran and Ollie 8.30 P.M. BEN-Top Views in Sports WHAM-Touchdown Tips 8.45 P.M.

WBEN, WHAM-News

9.00 P.M.

9.00 P.M WHEN-Bigelow Sho WHAM-We the 10.00 P.M.

HAM-Mr. O. K. Weather 12.00 MIDNIGHT WBEN-Greatest Plants 12.15 A.M. WBEN-Big Ten Football 12.45 A.M. WBEN-Sports Reviews Weather Forecast

Une ou doug ROBOL ce soire effet demain matin

CONSTIPATION

WCAX - Canal 3 BUBLINGTON, VT.

> WPTZ - Canal 5 PLATISBURG, N.Y

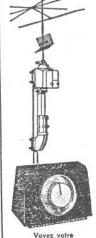
7:00—Today
8:00—Morning Star Time
10:00—Ding Deng School
10:00—Eng Deng School
10:00—Faith for today
11:00—Homes
12:00—Louder Foot
12:00—Louder Your Nest
1:00—Louden Date
2:00—Ten. Ernle Ford Show
2:00—Ten. Ernle Ford Show
2:00—Ten. Ernle Ford Show

CBMT - Canal 6

9:00 Four Star Playhouse

WMTW - Canal 8

White Policy of Presons of Policy of



Voyez votre dépositaire TV

RENSEIGNEZ-VOUS SUR LE MOUVEAU SYNTONISATEUR DE TV "ALLIANCE" A TELECOMMANDE.

TELEVISION

WBEN-TV-Channel 4-66-72 MC WHAM-TV-Channel 6-82-88 MC

WREN-

WHEN, WHAM—Private Ey 11.30 P.M. -Squirt Meets the Bills
VHAM—Touchne
Ten Pootball)
11.35 P.M.
-chdown ... Touchdown OMe

naries 11.00 P.M.

alliance-

PLUS DE 3 MILLIONS

SONT EN USAGE I

January 5, 1960

6: Leave it to Beaver 7: Ti-Blanc Richard

6:10 P.M.

6:15 P.M.

6:30 P.M.

6:40 P.M.

4:45 P.M.

6:55 P.M

7:00 P.M.

Histoire à suivre

7: Chasse aux images

7-15 P.M.

2: Edit. métropolitaine

Looney Tunes

2: Nouv. sport 3: News — Sports —

Weather

8: Cinéma

2: Ce soir

2: Carrefour

4: Nouvelles

7: Télébulletin

4: Cinefeuilleton

7: Météo Sports

6. Sports avec

4: Sports-nouvelles

Doug Smith

Whirlybirds

Donna Reed Tabloid

6. Metro

5:00 P.M. 2. 4. 7: La vie qui bat 6: CBC News 3: Cisco Kid

MARDI-

4: En vedette

7: Mélodies d'antan

8: Nouvelles, Sports

Bold Venture

Four Just Men

7: Cachettes et

8: Sugarfoot

Devinettes

la serrure

royale

hawk

6: Chevy Show

5: Pat Boone

8; Wyatt Earp

2,4,7: Joie de vivre 3: Dobie Gillis

2.4.7: C'est la vie

3: Tightrope 5: Arthur Murray

12:00-Truth or

6: Front Page Show

Donna Reed Show

7:45 P.M.

8:00 P.M.

2,4,7: Par le trou de

2,4,7: Gendarmerie

3: Dennis O'Keofe -5: Man From Black-

8:30 P.M.

9:00 P.M.

Quilles

7-20 P.M

7-20 P.M

3—CBFT — Mentréal 3—WCAX — Burlington 4-CFCM - Québec 5-WPTZ - Plattsburg 6-CBMT - Mentrés 7-CHLT - Sherbrooks B-WMTV - Poland Spring

2,4,7: Pays et

5. 6: Startime

merveilles

Red Skelton

8: Philip Marlowe

conscience

3: Garry Moore

5: Lockup 8: Keep Talking

3,5,6,8: Nouvelles

2,4.7: Téléjournal

7: News Round-Up

3: Ready on Stage 3 6: Sports Final

Feature Film

2,4: Commentaires

7: Cinéma

4: Cinéma

4. Météo

6: Viewpoint

8: Drama

10:00 P.M.

10:30 P.M.

11:00 P.M.

,11:10 P.M.

11:15 P.M.

11:20 P.M.

11:30 P.M.

11:36 P.M.

2: Nouvelles sportives

9:30 P.M.

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Les amateurs montréalais se sou-viennent de la partie fort contestée que l'outre deux clubs on fouée lors de l'outre deux clubs on fouée lors de l'outre de la commentation de la réal le 25 soût dernier et c'est en plus grand nombre encore que les fervents du football seront à l'écou-te cet après-midi, à partir de 1 h. te cet après-midi, à partir de 1 h.

des sportifs, à Montréal.

Michel Normandin sers à Toronto pour une autre description détaillée de la joute et son copain
de ces émissions de football, Pierre
pliquant un peus plus en défail les
principaux jeux de la partie au
urr et à mesure guils se dérouleront sur le terrain. Aux périodes
d'untermission, Michel Normandin
d'untermission, Michel Normandin
experts du football, comme d'habitude.

-MERCREDI-

CBFT - Canal 2 WCAX - Canal 3 A.M.
9:00-My Little Margis
9:30-TV School
10:00-Red Rowe Show
10:30-On the Ge
11:00-I Love Lucy
11:30-December Bride
P.M.

4:00 P.M.

3: Brighter Day 5: House on High St.

: Menu à la carte

4:15 P.M.

4:30 P.M.

surprises The Edge of Night

2, 4, 7: La boite à

5: Split Personality

4:45 P.M.

5: American Bandstand 6: Sports Time

5:30 P.M.

8: Rin Tin Tin Sky King

5:45 P.M.

6:00 P.M.

3: Country Squires

News, Weather,

Téléjournal

4: Sans atout

Sports

2: 4: CF-RCK

7: Gray Ghost

6: Friendly Giant

6: Maggie Muggins

4- Robino

American

Bandstand

3: Secret Storm

Susie

1.30—December Bride P.M.
2.00—Love of Life
2.00—Serch for Tomor.
2.45—Guiding Light
1.00—Across the Fence
1.16—Swinghild World Turns
2.00—Mixing Bowl
2.00—Mixing Bowl
2.00—Hixing Bowl
2.00—Mixing Bowl
2.00—The Millionnaire
3.30—Verdict is Yours CFCM - Canal 4

P.M. 1:45—Long métrage: "L'étonnant M. William" 3:15—Votre cuisine 3:30—Les As de Québec 4:30—Dessins solmés 4:00—Gur Miss Brooks 4:30—Friendly Giant 5:00—T B A 5:30—Huckleberry WPTZ - Canal 5

6:30—Hucksberry 6:30—The Riffeman 6:30—Metro 6:65—News — Sports 7:00—Tabloid 7:30—Highway Patrol 8:00—R.C.M.P. A.M. 7:00—Today 9:00—The Christophers 8:30—TV School Time 10:00—Dough Re Mi

8:30—Live a Borrowed Life 9:00—Perry Como 10:00—The Unforescen 10:30—Explorations 11:05—News 11:15—Viewsoint 11:20—Sports Final 11:30—Feature Film 12:00—Truth or
12:30—It Could be You
1:00—New Feature
1:30—For You Madame
2:00—Queen for a Day
2:00—The Thin Madame
3:00—From These Roots CHLT - Canal 7

12:30—CHLT-TV Aujourd'hul Aujourd'hui
12:40-News
1:00-Pot pourri féminin
2:00-Matine Theatre:
"Night Wind"
3:30-Votre culaine, madaa:45-Cinéfeuilleton CBMT - Canal & P.M.

1:05 Feature Film

1:30 Montreal Matinés

2:00 Cher Hèlène

2:15 Nursery School

2:30 Open House

3:00 NI School Telecast

3:30 Tracktlown

WMTW - Canal 8 WMTW — Canal 8
st5-Teddy Bear
10:00—Ding Dong School
10:30—Movie: "Hausted
Honermoon"
12:00—Restless Gun
12:00—As Bear
12:00—Banna Ruhyon
2:00—Day in Court
2:300—The Gals Storm
2:00—Beat the Clock
3:300—Who do you Trust

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BACKSCATTER REVISITED

BY JOOP J. PROSÉE

Let me first say, that in my opinion Backscatter is indeed a heavily unknown and widely misunderstood propagation mode as Tim McVey puts it in his article in the June 1991 VUD. But is Backscatter indeed so mysterious or weird as assumed by Tim? What does the word 'Backscatter' literally mean in our DX-hobby? If you read the VUD Backscatter article it becomes clear that the writer assumes that the actual Es-cloud involved has nothing to do with the phenomenon Backscatter at all and that is an assumption which seems to be wrong' If we look at the very clear map accompanying the article we can easily understand that the involved Es-cloud must be situated somewhere in Southern South-Carolina and also spreading over the central Eastern part of Georgia. It is also clear to see that the Backscatter area is situated between the position of this Es-cloud and the target area in North Yirginia/Maryland. Generally it is assumed, concerned upon the article mentioned situation, that in certain occasions the received signal from the Backscatter area is first travelling to the South than reflects against the flank of the already above mentioned Es-cloud and goes "BACK" to the mentioned Backscatter area where it started but on a higher level with as a result that this North-Carolina signal can be received via Ionospheric (Backscatter) propagation in the rather near region of Northern Virginia/Maryland. In reality the received signal has travelled a much longer distance than one should assume at first when not knowing anything about the existence of the Backscatter phenomenon.

If you are aware of what the word "Backscatter" really means, then the bigger part of what actually happens is revealed. If you consider the phenomenon as described above. Tim's question why always almost only one station involved with Backscatter can be answered too. Since we know that Es areas are shaped like clouds it is likely not wrong to assume that Backscatter only can occur when the Es-cloud. the transmitter and the reciever's QTH are lying on one straight line. And this is required because of the fact that the signal is believed to be reflected against a vertically ionised circular wall. Another Backscatter transmitter that is situated on a distance of let's say: 160km(100 miles) from the first transmitter is reaching the same involved Es-cloud under a different angle with the same effect, the signal reflects BACK to the direction where it came from. If one could see the Backscatter pattern from above it would look like the spokes in a wheel!

I myself consider the physics of the Backscatter phenomenon more or less equal to that of Auroral propagation in which it is also necessary that transmitter, receiver. and Ionised area are on the same straight line. Which is within Aurora predominantly a North/South-Path. With as striking similarity, that Aurora-DX is ALWAYS a matter of Backscatter propagation!

I'd like to conclude this subject with some Backscatter examples from our European continent, which seem to be much similar to the ones Tim is giving in the June '91 VUD .

Our European Backscatter TVDX possibilities are in my opinion not so numerous as in the USA. This is the matter because the North American continent is much bigger than ours and the number of Band-1 (Low Band VHF) transmitters is also much bigger. For instance, the nearest E2 transmitter is 320km(200mi) from my OTH, the nearest E3 transmitter is 240 km(150mi) and except for the regional Dutch powerhouse on E4 at 80 km(50mi) the next E4 transmitter is at a safe 380 km(235 mi). But in spite of this lesser Band-1 coverage there is a least one path that can be considered as a usable Backscatter trail. For us here in Holland it is the direction towards southern Italy with. lucky for us. three Band-1 transmitters on a 600 km'400mi) range in the same direction as the Italian Band-1 ch A transmitters on a distance of 1530 km and 1800 km (1020 & 1200 miles). The Backscatter transmitters are situated in southern Germany on ch E2 and in northern Switzerland on ch E2 & E3. Everytime when one of these TV transmitters is received almost always for rather short times (several minutes to a maximal half an hour!) The Italian transmitters also show up with mostly an occurance AFTER the Swiss or German transmitter has gone. This is opposite to what Tim experienced with the USA Backscatter, in my part of the world first Backscatter seems to appear, then the normal 1000 mile range Es-DX comes up. Tim has witnessed the opposite as can be read in his VUD Backscatter article.

BACKSCATTER REVISTED

Another Backscatter phenomenon that is believed to exist is the so called: "TEP Backscattermode." With this mode a signal is believed to reflect against the flanks of the always present, extra thick, ionised region right above the equator. A rather convincing example of this theory, is the not so very rare reception in Holland of the Nigerian high powered ch E3 transmitter of Sokoto in the northern part of the country on a distance of 4410 km(2740mi) exactly lying on the same meridian as my QTH illustrating what is said about the condition of lying on a straight line of transmitter, receiver, and ionised area!

I conclude this article with the most remarkable fact that I witnessed in the field of the Backscatter phenomenon. This happended on the 27th of July 1988 when I received a USSR transmitter signing off on ch RI when suddenly the local powerhouse on ch E4 faded away and the French speaking Belgian RTBFI programme appeared with a classical concert also on ch E4. My antenna was pointed to the East and I turned to the South where the Belgian transmitter is situated at 280 km(175mi) with an ERP of only 10 Watts(!). But when I turned to the South, the signal went completely into the snow! Going back to the eastern direction the signal came back strong again, so there cannot be another conclusion than, that this must have been a so called "Sidescatter" reception. This indeed "weird" reception lasted only for 3 minutes from 2218 till 2221 local time.

Well, I hope that the intention I have with this article will succeed; to pull the Es Backscatter DX-mode out of the mysterious world where it was placed on the June 1991 VUD. At the same time I must admit that just like the other ionospheric DX-modes we encounter in the DX-hobby, much about how everything precisely works is still unknown up to now, which is also the case with the Backscatter phenomenon.

SOLAR ACTIVITY AND SPORADIC-E

BY JOOP J. PROSÉE

In the August '91 VUD down on page 43 I read a report from Ed Frye in which solar activity and Es were linked together in a positive(?) way. Reading this article, I got the impression that sunspots, solar-flares and the result of them, such as magnetic storms were considered as a positive influence on Sporadic-E propagation in the TV Low Band, this according to Ed's view on this matter.

Maybe it is disappointing for some people, but up to this moment there have been found absolutely no connections between any kind of solar activity and the phenomenon of normal midlatitide Sporadic-E propagation! Although among HAM's and TVDXers there is more or less a feeling, that this kind of Es is only influenced somewhat negatively when solar activity is high. But this has never been confirmed by means of scientific research. Looking back at the last three Es-seasons here in western Europe when solar activity was considerably high I can't say that Es was noticeably worse or better compared to what can be considered as normal.

Also with F2 TVDX, opposite to what is thought generally, the influence of solarflares (a.k.a. protuberances) sending enormous quantities of loaded particles (protons) into space, can be disastrous for the Earth's quiet magnetic field and the ionospheric layers, negatively influencing F2 conditions and lowering the F2-MUF. It is a wellknown fact that the E and F layers can be destroyed completely by severe magnetic storms and it can last several days before these ionised layers have been built up again and are totally recovered! Normally, Aurora conditions indicate that the magnetic field of the Earth is disturbed and normal F2 receptions in the 30-50 MHz spectrum become very unlikely and sometimes even impossible! TVDXers never watched sudden outbreaks of good Es conditions that could be related with the appearance of solar flares and magnetic storms here on good old Earth!

The only positive influence of magnetic storms that is known on Es is the appearance of the so called "Aurora related Sporadic E." An Es-like propagation mode sometimes occurring as a side effect of normal Aurora. But I think that Ed was not referring to this particular form of Es propagation in his report!

What is needed for good F2 propagation, is an overall higher solar activity which is normally the case during the peak-period of the solar cycle, causing a considerably higher grade of ionisation of the E and F layers and also preferably needed at the same time is a quiet Earth's magnetic field. Together these two conditions can cause MUF's so high that F2 TVDX becomes possible.

JJP SPANBROEK 'HOLLAND

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