

WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO, NY14205-0514-U.S.A.



class



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Official Publication of the Worldwide TV-FM DX Association



FromTheSTAFF

HELP BLAST THOSE DX "BLAHS"...The February-March period is well known to VHF/UHF enthusiasts as the worst part of the year--in general--for DX conditions. It's not so bad if you have other DX areas of interest; longwave, mediumwave, and shortwave bands are a pretty good place to be looking for DX action right now. But, what if you are the type of DXer who only likes to tune the bands above 30 MHz? Well, you could sit there and count and then re-count your stations logged, follow up on old unidentified loggings, plan for that new antenna set-up you want to put together in the Spring, and so forth. Or, you could catch up on all those projects you ignored while the DX was "hot and heavy" last season. Or you could just bundle up and try to stay warm until April arrives. However, there's a better idea in this issue, on page 35. Check out Doug Allen's proposal for an informal concentrated effort to study E-skip signal propagation as observed by club members--it is the neatest way for all of us to acquire possible new data on the sporadic-E phenomenon. Certain aspects of Es have never been fully explained, and some very interesting mysteries still remain--even after years of amateur and professional study. Please, don't just sit there--participate in what just could turn out to be a very useful study!

IT'LL BE DUNKIRK (AGAIN) IN '91...A volunteer has stepped forward to host this year's club convention. After reading that no definite bids were put forth for the annual event, none other than longtime MTFDAer and pioneer TV/FM DXer Bob Seybold has offered his services. Bob really knows club conventions, having hosted no fewer than FOUR of them since 1970! Convention '91 will take place in the Dunkirk, NY area on August 9, 10, and 11. The hills south of the area are sort of legendary among enthusiasts who have managed to be present during tropspheric ducting conditions in the summer (history shows that they tend to peak around that weekend almost every year!). Further details will appear in upcoming issues. Many thanks, Bob!

NEW POSTAL RATES MAY CAUSE DUES RISE...Some members have asked if the recent increase in U.S. Postal Service rates--which some have called outrageous--will mean higher WTFDA dues. It may indeed, perhaps by mid-year. This will have to be discussed by club directors first. You can renew now at \$17 per year for up to two years (\$34, U.S. funds).

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Thanks to NORTHERN FM DX editor Greg Coniglio for this month's cover.



Changes, Changes, Changes EVERYWHERE: University of Alaska noted testing on Aurora at 143 W XPDR 21

Satcom F1 is now Satcom C-1 The services remain unchanged. Satcom F1 will replace F3 at the end of the month. F3 will be turned-off so to speak!

Galaxy 1
The New Inspiration Network will move and be replaced by
TNT currently on F-3.

Satcom F3/F1 - New Inspiration Network will take over the TNT slot on XPDR 18. This will not occur for several weeks. For a brief period of time prior to the move to XPDR 18 Inspiration will be on Galaxy 3 XPDR 2.

XPDR 3 - PBS C
XPDR 5 - PBS B
XPDR 9 - PBS D
XPDR 23 PBS A
XPDR 13 - Star TV Heaven from 9
XPDR 7 - Three Angels from 23

Morelos 2
TNT Latin American Service testing on XPDR 16
Several other transponders are active, but too weak hear
to ID.

WESTAR 4 - All PBS feeds silent - now fully on Spacenet 1.

Galaxy 6 - Saudi Pool full time on XPDR 3

ID card on XPDR 15

Spacenet 3 - XPDR - Empire Sports Network a regional sports channel

Starion Premier Cinema XPDR 19 to cease at end of January.

Telstar 302 - Drop USA Direct Home Shopping - ceased ops.

Satcom 4 - XPDR 2 - Sports News Network - ceased operations.
International Channel to switch from XPDR 20 to 12 in a few months.

Satcom 2 - XPDR 22 - AFRTS - OFF - possibly the B-Mac on Spacenet 2 XPDR 20.

A few SCPC notes:

ANIK c-3 - CBC English and Indian services noted
G-Star 2H - CNN News/Italian service from New York noted.
G-Star 1H - Many background music type services noted = also
wFOR Country 106.7 FM Detroit
SBS 4H - Background Music Services plus KWLM in Minnesota
Spacenet 2 - NBC Radio News feed
PanAmSat Ku - H - BBC World Service - primary transAtlantic Feed.

That's all for now - see you in 30.

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DSL CORNER & LOGOS RUN

Thomas J. Yingling, Jr., KASTCC 221 Pinewood Road Baltimore, MD 21222-2345 Phone # 301-282-5649

OH WORKS 61 Cleveland, % 2861 W. Ridgewood Dr., Parma, OH 44134. Pre-Prepared-Card (PPC) signed by David Smith, CE in 3 weeks. (Ross) NY WCVF 88.9 Fredonia, 109 Gregory Hall, SUNY College at Fredonia, zip 14063. PFC & letter from Tom Naslund, Prg Dir in 1 month (Ross) TX KZFX 107.5 Lake Jackson, % 3050 Post Oak Blvd., suite 1100, Houston, TX 77056. PFC & letter from Mike Hudman, CE in 1 month (Ross) OH WXKR 94.5 Port Clinton, % 611 Lemoyne Rd., Northwood OH 43619, PFC & letter in 1 month from Chief Eng. name unreadable ! (Ross) ONT CIII-27 27 Peterborough, % 81 Berber Greene Rd., Don Mills, ONT MSC 2A2, PFC & letter from A.C. Willis, Asst. Dir of Eng. in 2 months (Ross) IN WINN 108.1 North Vernen, % 1910 National Rd., Box 188, zip 47202. PFC back in 3 weeks from Joe Ammerman, PD. (Ross) (very odd that WINN-AM 1400khz. is in Beltimore, MD ! ty) KY WCCZ 96.9 Paris, % Box 11788, Lexington KY 40578. PFC back in 3 weeks from Mike

Cooper, PD. (Ross)

MI WGFM 105.1 Cheboygan, 1356 Mackinaw Ave. zip 49721. PFC back in 1 month from Del M. Reynolds, Owner (Ross)

KY WUOL 90.5 Louisville, University of Louisville, zip 40292. PFC back in 3 weeks from Jay Landers, Station Mgr. (Ross)

MO KDHX 88.1 St. Louis, Box 63328, zip 63118. PFC & letter from David Taylor, Mgr. in 3 weeks (Ross)

IN WBTU 93.3 Kendauville % 2100 Goshen Rd, Fort Wayne, IN 48808. PFC in 3 weeks from someone, unreadable name ! (Ross)

KY WJIE 88.5 Okolona, % 3701 Fern Valley Rd., Louisville, KY 40219. PFC in 3 weeks from another unreadable person name ! (Ross)

ONT CIMX 88.7 Windsor, 300 Cabana Rd. East, zip NGG 1A3. Partial detail letter & business card in 4 months from Ian Davies, Prg Dir. (Walker)

OH WCRF 103.3 Cleveland, 9758 Barr Rd, zip 44141. Full detail letter, stickers & station info in 2 weeks from Bob Devine, no title. (Walker)

OH WFMJ 21 Youngstown, 101 W. Boardman St, zip 44503. Partial detail letter in 5 weeks from Rudy Recklies, CE. (Welker)

Costa Rica Radio Reloj 94.3 San Jose, % Sistema Radiofonico H.B., P. O. Box 341-1000, Sen Jose, Costa Rica, Central America. GSL Post Card back from Francisco Barabona G. back in 19 days. (note from Christopher S. Dunne) Sept 27, 1990 was fantastic with FM stations on E-skip from Guantemala, Costa Rica, Panama, Colombia & Honduras. (see copy of qsl)-(Dunne)

MA WLVI 56 Cambridge % 75 William T. Morrissey Blvd., Boston, MA 02125, Short note from Ed Keth (? hard to read-see copy of gsl) for 1015 mile tropo (Kadet)

NJ WLGE 98.7 Rio Grande, P.O.Box 177, zip 08242. Brief letter & coverage map from Todd Moreland, CRMC-Station Mgr. (Holbrook)

NJ WBSS 97.7 South Vineland, Box 144, zip 08380. QSL after 1 follow-up report. Returned my letter with note on it "WE confirm your reception" & signed by Dave Powers. (Holbrook)

TX KGKL 97.5 San Angelo, Box 1878, zip 76902. PFC & letter in 4 weeks from Eddy Smith, CE. (Ross)

TX KRBE 104.1 Houston, 9801 Westhelmer, suite 700, zip 77042. PRC in 5 weeks from









NE KUCV 90.9 Lincoln, Box 83111, zip 68501. PFC in 5 weeks from Ralph Sannby, Prg Dir. (Ross) MI WTGV 97.7 Sandusky, 19 S. Elk St., zip 48471. PFC in 3 weeks from Robert (? on

last name) (Ross)

John R. Shade, Eng. (Ross)

MI WUCK 90.1 Bay City, * Public Broadcast Center, 3985 E. Broomfield Rd., Mt. Pleasant, MI 48859. PFC in 2 weeks from Thomas (????? last name), Stn Mgr (Ross) ONT CFJB 95.7 Barre, Box 95, zip LAM 5A1. PFC & sticker in 1 month from Len Morris, CE (Ross)

WY KMGW 94.5 Casper, 150 North Nichols Ave., zip 82801. QSL Sheet in 1 1/2 months from Dan Boucher, CE (Ross)

TX KTYL 98.1 Tyler, South Park Centre, 1828 ESE Loop 323, suite 317, zip 75701. PFC in 1 1/2 months from Stu Comer (?), CE (Ross)

MI WMXD 92.3 Detroit, % Box 905, Southfield, MI 48037. Letter in 2 weeks from Neil Schwaitz, CE. (Ross)

TX KWTX 97.5 Waco, Box 2636, zip 76702-2636. PFC in 1 1/2 months from William Moore, CE. (Ross)

PA WEZE 104.7 Pittsburgh, % 810 5th Ave, New Kensington, PA 15088. PFC & card back in 1 month from Randy Dieterich, CE. (Ross)

TX KELT 94.5 Harligen, Box 1751, zip 78551. PFC in 1 month from Ray States. (Ross) AL WLBF 89.1 Montgomery, 381 Mendel Parkway East, Box 17140, zip 36117. PFC & letter in 1 month from Alex Saks, GM. (Ross)

ONT CBON-18 88.1 Sault Ste. Marie, % 15 Mackenzie St., Sudbury, ONT PSC 4Y1. PFC in 1 month from Edell (??? last name), no title. (Ross)

TX KLUX 89.5 Robstown, % 1200 Lantana, Corpus Christi, TX 78407. PFC & letter from Cathy Graves, Operations. Mgr. in 8 weeks. (Ross)

IN WLHN 97.9 Anderson, Box 151, 2000 West 53 rd St., zip 48015. PFC & letter in 1 month from David C, Hood, CE. (Ross)

IN WENS 97.1 Shelbyville, % 1089 N. Meridian, suite 1197, Indianapolis, IN 46204. PFC in 1 month from Bob Hawkins, CE. (Ross)

KY WSGS 101.1 Hezard, P. O. Drawer 7898, zip 41702. PFC in 3 weeks from Robert Hale, CE. (Ross)

TN WUOT 91.9 Knoxville, 232 Communications & Univ. Extension Bldg., zip 37998-0322. PFC & letter from Tim E. Berry, Asst. CE in 3 weeks. (Ross)

TN WGSQ 94.7 Cookville, 698 South Willow Ave., Box 3148, zip 38501. PFC & letter from Mark Richards, Pgr Dir in 3 weeks. (Ross)

MI WGLQ 97.1 Escanaba, 524 Ludington St., suite 300, zip 49829. PFC in 3 weeks from station manager, name unreadable ! (Ross)

MI WUPQ 97.9 Newberry, Box 152, zip 49868. PFC back in 3 weeks from an unreadable name ! (Ross)

WI WAPL 105.7 Appleton, Box 1519, zip 54913. PFC & letter from Stephen J. Brown, CE. (Ross)

PA WYOU 22 Scranton, 415 Lackswanne Ave., zip 18503. PFC in 1 month from Stanley Zaevilck, A.C.E. (Ross)

MI WCEN 94.5 Mount Pleasant, Box 407, Bluegrass Rd., zip 48804-0407. PFC & cardin 1 month from Richard Sommerville, GM. (Ross)

NY WETM 18 Elmira, One Broadcast Center, zip 14845. PFC in 1 month Christopher

ONT CKCO 11 Dwight, % 864 King Street West, Kitchener, ONT N2G 4E9. PFC & letter in 1 month from Lynda Geveert, Eng. Sec. (Ross)

NY WCID 89.1 Friendship, % Box 508, Beth, NY 14810. PFC & letter in 1 month from James L. Travis, CE. (Ross)

MI WCJL 103.9 Menominee, % Box 689, Martinette, WI 54143. PFC in 1 month from J.R. Callar, GM. (Ross)

MI WKLT 97.5 Kalasga ?, % 745 S.Garfield, Traverse City, MI 49684. PFC & letter from Reggie Box, GM. (Ross)





WLTO 103.9 Harbor Springs, Zip 49740. PFC in 1 month from J. Dugan, Pgr Dir. (Ross) MI WIMK 93.1 Iron Mountain, 105 E. Kent St., zip 49801. PFC & T-Shirt in 1 month from an unsigned person, but station manager hand stamp. (Ross)

TN WIVK 107.7 Knoxville, Box 10207. PFC in 3 weeks from Cleve Hayes, CE. (Ross) OH WSNY 94.7 Columbus, 4401 Carriage Hill Lane, 43220. PFC & letter from John Mareoch (?), CE. (Ross)

WIJT 90.1 Crestview, % Box 187, Beker, FL 32531. PFC in 4 month from Robert Wilkinson. (Ross)

MI WIAA 88.7 Interlochen, Interlochen Center for the Arts, zip 49843. PFC & letter in 1 month from Thomas M. Paulson, Stn Mgr. (Ross)

MI WLEW 102.1 Bed Axe, 935 S. Van Dyke Rd, zip 48413. PFC & sticker in 1 month from John ??? no last name, CE. (Ross)

WI WGZZ 98.7 Sturgeon Bay, 228 North 3rd Ave., zip 54235. PFC & letter in 1 month from John Nelson, PD. (Ross)

AR WFIN 107.9 Jonesboro, P. O. Box 1737, zip 72403. PFC & stickers in1 1/2 month from Clyde Bass, GM. (Ross)

WI WLST 95.1 Marinette, 400 Wells St., zip 54149. PFC in 1 month from Frank Lauerman, GM. (Ross)

ON WWSN 107.7 Deyton, 101 Pine St., suite 300, zip 45402. Letter from Doug Walker, CE who send key ring & fridge magnet. (Hell)

IN WZZY 98.3 Winchester, P. O. Box 427, zip 47394. Letter back from E.E. Miller. GM also send a bumper sticker. (Hall)

WI WHAD 90.7 Delafield-Milwaukee % 821 University Ave., Medison, WI 53708, Letter from Allen J. Rieland, Dir. of Eng & Operations. who tells of some other dx'er even gave them a phone call from his cellular phone to report of his dx. Reply back in 3 months after sending to wrong address. They did send a complete Winsonsin Public Radio Network list of stations. (Hall) (The letter does not even show the call sign, frequency or city. It just shows the main station address. ty)

ONT CHRY 105.5 North York, 258-A Vanier College, 4700 Keele St., zip MSJ 1P3. Letter from Lise Roosen-Runge, Pgr Dir in 1 month. Also send a T-Shirt. They were amazed to know I heard their 50 watts signal! (Hall)

SD KKLS 104.7 Sioux Falls, 3205 S. Meedow, zip 57106. Letter from Reid Holsen, Per Dir. who says until now that Duluth, MN was the farthest north I've received a letter from. Also send bumper sticker. (Hell)

ONT CKMR, 93.9 Windsor, 1640 Quellette Ave., P.O.Box 480, Windsor, ONT N9A 6M6 or 28400 Lahser Rd, suite 100, P. O. Box 282, Southfield, MI 48037. Letter from Wally Dowhan, Ce. (Hall) - (send to the USA address & save 5 cents postage-ty)

GA WAYS 99.1 Macon, no address given. Large QSL CARD signed by William D. Sowell. CE. (Hall)

WNIN 88.3 Evansville, 405 carpenters St., 47708-1027. Friendly verie letter from Cavin Whitsett, Stm Mgr, mentions being heard in CA & CO. Also send 2 bumper stickers. (Coniglio)

OH WPFB 105.9 Dayton, 200 West 2nd St. # 190, zip 45402. Letter from Randy Robbins, Pgr Dir. He figured out the mileage as 378 miles, also "Dayton Rebel 105.9" bumper stickers enclosed. (Coniglio)

MN KDAL 95.7 Duluth, 425 W. Superior, zip 55802. Verie letter in 1 month from John R. Snee, VP/GM. I was gled to get this one veried as this is my trops record. (Coniglio)

TN WGSQ 94.7 Cookeville, 698 S. Willow Ave., zip 38501. Verie letter from Mark Richards, Pgr Dir mentions recent power upgrade, also send bumper stickers.

TN WOKI 100.3 Knoxville, 1900 Winston Rd., suite 600, zip 37919-3606. Short letter from Butch Johnson, no title, sand bumper stickers. (Coniglio)

TN WLAC 105.9 Nashville, 10 Music Circle East, zip 37203. Letter from Rick Willis, Asst Pgr Dir & Promotions Dir. also send refrigerator magnets & key chain. (Coniglio) TN WEZK 97.5 Knoxville, P. O. Box 27100, zip 37927-7100. Verie letter from Kim







102-FM 800-AM



WPTN/WGSO INC 698 SOUTH WILLOW AVE. PO BOX 3M6 COOKEVILLE, TN 38501

Hansard-Shultz, Promotions Dir. (Coniglio)

ONT CJSD 94.3 Thunder Bay, 87 North Hill St., zip P7A 5V6. Letter from Tim Goebal, Pgr Dir who also send bumper stickers & an invitation to write to the Ontario DX Assen for sample issue. (Coniglio)

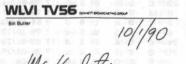
MN WTBX 93.9 Hibbing, Box 1080, zip 55746. Letter from Danny (no last name)also send bumper stickers. (Coniglio)

TX KSCS 96.3 Fort Worth, One Broadcast Hill, zip 76103. Verie letter, bumper stickers from Duane A. Sedge, Eng. (Coniglio)

IL WHMS 97.5 Chempaign, Box 3939, zip 61826-3939. Letter & lots of promotional material from Judy Duncan, no title. (Coniglio)

IL WSSU 91.9 Springfield, Sanganamon State University, zip 62794-9243. Verie letter , but no signer. (Coniglio)

Reporters this time are: Robert S. Ross, VESUFC in London, Ont.; Robert C. Walker, KA8VQB in Wixon, MI; Jeff Kadet in Macomb, IL; Christopher S. Dunne in Pembroke Pines, FL; Hank Holbrook in Fair Haven, MD; & Greg Coniglio on Williamsville, NY. Two interesting news items: If you have mail ordered anything from Amoom in Virginia Beach, VA you will be receiving a certified letter from the FCC soon. Kevin M. Coyle, alias David Winchester, doing business as Amcom, was recently convicted in US district Court, Norfolk, VA of selling illegal descrembling devices for the unauthorized reception of premium cable tv programing. You will be told to return to the FCC whatever you did buy. The most common item is the filter to stop the pay tv beep-beep, channel filter. The other news is a filter that you can buy without any FOC letter. The Microseve Filter Co. Inc. has a filter to help your ty dring. I wrote to them for filter to help block out my local tv channel 2 from bothering my channel 3 reception. I got the filter 5KV-2 at \$15.70 each. This trap has a notch (70db) at the video of channel 2. It works so well, I got another one! They say if you are receiving channel 3 off the air, and using any amps or boosters, they recommend installing the trap between the antenna & amp. I gave them another phone call asking for one for uhf channel 24, but they only go up cable tv channel NN, audio freg. 379.25Mhz - video freg. 383.75Mhz. They did tell me that maybe later on will have a filter for the higher freq's. Another interesting point is that the invoice shows item as a standard video pay tv trap, as it traps out the entire channel! They also say if you use two (2)of the same channel together, the channel trapping may be more then just the channel that it is made for. Call 1-800-448-1688 to order. I hope this may help someone's dx'ing. "3's to later on.





1000 SET, EMBEE 27 19 90

sancisco Parabona A. Sistema Radiofónico H.B. San José, Costa Rica, Cantral America.



CHAISTOPHER S. DUNNE 21500 JOHNSON CT. 80153: PEMBRORE PINES FL U.S.A. 33029

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

SCORE	M S	BOAR	D					DEAD	LIN	E: THE ST
2 E9	92	MS	AU	USA	CN	HX	FO	TPU	YB	AS OF:
9 1981	389	59	0	44+	4	21	5	75	70	05/31/90
2 587	512	147	6	43+	7	2	0	53	72	01/02/91
7 1146	317	4	0	48+	- 5			65	74	09/01/90
9 1322	289	9	8	45+	3	1	. 0	50	48	12/07/89
9 923	269	46	82	47+	6			59	52	01/01/90
8 811	238	44	3	43+	7	10	2	63	83	09/08/90
6 842	326	2	9	37+	6	0	3	47	68	10/07/90
0 751	310	44	58	41+	5	0	2	49	69	01/05/91
2 834	212	17	23	37+	3	0	1	42	74	06/07/90
6 417	376	48	24	43+	8	0	3	55	59	12/23/90
5 990	305	3	52	48+	6	3	0	58	74	08/03/90
2 611	212	0	2	45	8	3	3	59	58	06/24/90
2 624	202	13	10	37+	. 8	1	3	50	85	01/01/91
0 662	250	160	0	29	4	5	0	38	74	10/17/90
2 705	192	3	5	48+	8	2	0	59	75	01/01/90
				39+			13		87	12/01/89
0 232	220	18	0	35+	6	0	3	45	59	12/06/89
8 344	138	0	0	36+	3	0	1	41	78	09/12/89
6 495	106	0	0	36+	5	0	0	42	52	10/01/90
1 240	151	13	0	42	4	2	0	42	81	03/01/90
6 489	116	44	0	39	4	3	0	46	88	10/30/90
7 323	47	12	6	35+	4	0	0	40	58	10/28/89
9 65	149	1	0	29	1	1	0	31	79	03/01/90
0 230	160	0	0	32	6	0	2	40	76	08/06/89
7 128	97	1	1	35+	3	0	1	40	74	09/07/89
6 169	96	5	0	34+	2	0	0	37	75	07/11/90
6 142	116	0	0	30+	3	0	0	34	78	06/29/90
5 65	85	6	0	23	2	0	0	25	79	09/05/90
6 9	66	36	0	28	4	0	1	33	90	12/18/90
6 32	46	0	1	24	0	0	0	24	80	09/02/90
3 62	93	1	0	24+	1	0	1			02/04/90
200	39	0	0	-		1 77	200		1000	12/18/90
2 20	32	0	0	16+	0	0	0			08/04/89
	35	14	- U.S.	10+	100	100	1000	Y 15000	10000	09/05/90
	23	0	0	-	1	0	0			08/20/90
	38	0	0		2					10/17/89
GF-0	27	0	0	177	1					08/29/89
	20			7.7						08/29/89
	25	0							73.3	08/10/89
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	5	0	0		-					02/12/89
2	SAM	20 21 25 1 25 5 5 57	20 21 0 25 1 0 25 5 57 0	20 21 0 1 25 1 0 0 25 5 57 0 0	20 21 0 1 15 25 1 0 0 3 25 7 5 57 0 0 5	20 21 0 1 15 2 25 1 0 0 3 2 25 7 0 5 57 0 0 5 8	20 21 0 1 15 2 0 25 1 0 0 3 2 0 25 7 0 0 5 8 0	0 21 0 1 15 2 0 0 25 1 0 0 3 2 0 0 25 7 0 0 5 8 0 0	0 21 0 1 15 2 0 0 17 5 1 0 0 3 2 0 0 5 5 7 0 0 5 8 0 0 13	00 21 0 1 15 2 0 0 17 71 15 1 0 0 3 2 0 0 5 76 15 7 0 0 5 8 0 0 13 84

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.)

Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 MHz. Es = Total number of stations logged via E-skip. MS = Total by meteor scatter. Au = Total via Aurora. USA = Total number of states and the "+" = Washington, DC.

CN = Number of Canadian provinces logged. MX = Number of Mexican states logged. FO = Number of foreign countries, but not Canada or Mexico. TPU (Total number of political units) = Sum of USA CN MX and FO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in AUGUST 88 VUD Page 48. Note: This is a listing of entries received after 1988. Please update/submit your latest stats to keep on the Scoreboard.

Personal Bests - Bill Nienajadly - Clifton NJ (7/11/90)
Farthest Es: KTLC- 99.7 TK 1539 Mi. Farthest Tr: WKXA-100.5 OH 495 Mi.
Closest Unheard State: Maine

Personal Bests - Todd Brandenburg - Silver Lake KS (9/2/90) Furthest logging: KIOK-94.9 WA 1283 Mi. Closest Unheard States: KY and IN

Personal Bests - Greg Coniglio - Williamsville NY (1/1/91) Furthest Tropo: KDAL-95.7 MN 704 Mi.

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PU		DXER		DX	ER	1	PU		DXER	•	DXER	ı	PU		DXER		DXER	1	KEY	TO DXER	INITIALS/LOC	ATI	ON
AL.	100	KPU-	54	TH	C-		LA	79	RSA-		FMC2	1	DH	211	PCT_	177	FHE-	1	ΔMT-	ALAN	MICHALEK	MO	SPRINGFIELD
AK.		JJE3		No		377	NE NE	1000	RST2	1 77	KPU-		DK.	700	DBU-	77.5	FNO-			BRUCE	ELVING		DULUTH
AZ.	100	PDY-			E2	7/15	MD	1000	JFE-		GMA-		DS	727	JDI-		FMC2			DOUG	ALLEN		WOODLAND PARK
AR	- 10.65	DOD-			A-		MA	480	RST2	100	MBU-		PA	-250	3107	-377	FNO-		271.57153	DAVE	BRUMFIELD		MUNCIE
	7.7	JJE5	- 3777	W 155	H-	Total.	MI	146	100000		FME-		RI	-	MHO-		RST2			DANKY	BUNTIN		STILLMATER
CA	5500	DAL-		-5.5	E5		WM	0.000	JEB-		TEBS LMF-		SC	- 57.7	PDY-		MSI1			DAVID	NIEMAN		AKRON
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DE		SWE-		4 B.E	E-		MO	1000	FHE1		DBU-		TH		KPU-		JAY-		7.700	DAMIEL	OETTING	- 7.77	BROOMALL
FL		DBU-	142	1.2	57/1	7/10	MT		JJES		JbI-		TX				RSA-			FRED	MCCORMACK	7.75	DES LACS
GA	507	KPU-	-0.75	10.5	Y-		NE		11ES		KPU-		UT	-	PDY-	-	DBU-			FRED	MCCORMACK		FARGO
HI		None			ne		MA		PDY-	-	DBU-	1	VT		KPU-		AMI-			FRANK	MERRILL		MILAN
ID		DBU-		NEG.	Y-	500	NH		RST2	33	AMI-	1	VA		DBU-		JFE-			FRANK	MERRILL	-50	MACOMB
IL	T. T. T.	FME1			1-		NJ		JFE-		RSC-	1	WA		FMC2		11ES		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	FRED	MORDOUIST	- 276	CLAY
IN	0.000	RST-			R-	1	NM		11ES		KPU-	1	MA		RST-	- 0.000	FME-		GMA-	AND SHOW IN A SECOND	MANCUSO	100	CHEVERLY
IA	120	RBR-	100	FM	E1	1	MY	204	FNO-	172	DMI-	1	MI	132	BEL'S	120	JEB-	1	JAY-	11W	AYERS		MURFREESBORO
KS	89	DBU-	78	TB	R-	1	HC	111	MSI1	79	PDY-	1	MA	56	RST-	24	PDY-	1	JEB-	JOHN	EBELING	MN	BLOOMINGTON
KY	96	RST-	60	PD	Y-	1	HD	34	FMC-	34	FNC2	1	DC	13	SMA-	13	Del-	1	JEB2	JOHN	EBELING	MH	PROSIT
	-			-		-		-				-					-	-	JFE-	JOSEPH	FELA	NJ	S PLAINFIELD
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CANAI)A						MEXICO	(D	ONT)			1	MEXIC	0 (0)	(THC			1	LRE-	LARRY	MEADE	IL	CHICAGO
AB	26-	JJES	24	-JE	B2	ř	CHI	8	-FME1	6.	-FMC-	1	SLP	5-	-TMC-	0-	-None	1	MBU-	MIKE	BUGAJ	CT	ENFIELD
BC	20-	-JJE2	10-	-DA	-	Po	CHP	3	-PDY-	0-	-None	1	SON	3-	-JJE2	3-	-PDY-	1	MSII	MATT	SITTEL	NC	RALETGH
MB		FAC-	-	300	CS		CDA	- A	-FRE1	1 1/2/73	-PDY-	1	TAB	33.60	-TRC-	W 75	-PDY-			MATT	SITTEL		KIHGSPORT
NB	1775	FME1			7-		DF		-THC-		-JPI-		TAM		-PDY-		-KPU-		PDY-	PAT	DYER	TX	SAM ANTONIO
NF	Length L	FNO-	0.000	100	I-		DUR	27/2	-PDY-	100	Nane		VCZ	0.00	JPI-	100	-KPU-	6	9577017	ROGER	BROWN		AMES
NS		FME1	LI-05	1000	U- I		GRO	- 5	-PDY-	100	-JPI-	7	YUC	-	JPI-		-PDY-			RICK	SAMFORD		BURNETT
DN	100	DNI-		-FN		22	GTO		-JPI-		-TAC-		100		41.1			1		ROBERT	SCHWEITZER		E BRUNSWICK
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PQ		FME1	7.7		I-		JAL		-TMC-		-PBY-	4	CUBA	-	FME1	7.	-JFE-			RALPH	STROBEL		MUNCIE
-	-	JJE2		-FM		M	MEX		-JPI-	-	-PDY-		BELIZ		-PDY-		-JPI-		CIDOUS		STEINBERGER	1472.0	HUDSON
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MEXIC	77	***					NL.	27.75	-PDY-	37.50	-KPU-		GUATE		-PDY-		KSI-		100000000000000000000000000000000000000	TODD	BRANDENBURG		SILVER LAKE
AGU	177	JPI-	1	-No	65 (4)		DAX		-JPI-	100	-PDY-		HONDU		KSI-	111	-PDY-		TRC-		NCVEY		BOLIVAR
BCM	35.77	-PDY-			C- 1		NAY		-PDY-		None		JAMAI		KPU-	1.5	-JPI-			VERNON	EATON		BENTON
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ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION.
FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED....FJM.

FM STATISTICS - PERSONAL BEST'S - 1/91

Channel Metrics - Bruce Hall - Brantford ON (12/18/90) Total Logged = 403

Mhz 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107

1 5 6 2 1 1 4 3 5 4 3 2 18 5 4 4 3 2 3 1 2

3 2 5 5 5 2 3 5 8 1 4 3 28 3 5 1 2 3 7 1 4 5

5 4 1 4 1 4 3 4 4 4 5 4 3 4 7 2 2 1 4 3 5

7 5 2 5 4 1 3 7 4 1 3 5 3 4 6 3 3 8 3 4 5

9 5 5 3 0 2 7 4 1 2 3 5 4 5 7 2 4 11 5 4 1

Total 21 19 19 8 11 22 26 15 15 17 44 31 23 25 13 15 29 16 16 18

Personal Bests - Bruce Hall - Brantford ON (12/18/90)
Farthest Tr: CJSD-94.3 ON 920km Farthest Es: KODA-99.1 TX 2024km
Farthest MS: WRTO-98.3 FL 1978km Closest Unheard States: NH & VT

Bruce F. Elving, Ph.D., Editor 241 Anderson Road Esko MN 55733-9413 FM Station Stereo News Earnestly Solicited!

Readers' Reports and DXing Technology Updates

John Sulak, who reads the VUD like a hawk, sent a copy of "Ron Smith's Aerial Guide," covering TV and FM antennas. "This 'Galaxie 23' appears to be the best FM antenna on earth! Do you know of anyone with first-hand experience?" It's a company I never heard of. The aerials are made in England and the Galaxie 23 model is centered at 93 mz-way off to the low end of the FM band, and not having relevance to DXing conditions we would expect in the U.S. Such a British design would rule out its consideration for even a casual listener, much less a serious DXer. Prices are no bargain, either. The "suggested retail price" for the G23 antenna is \$445. Their distributor in the U.S. is Nain Audio North America, Inc., 1748 North Sedgwick St., Chicago

The 1990 Radio Ontario book with addresses and station lists, published by member Andrew W. Reid, RR 7, Peterborough ON K9J 6X8, is ready. It shows AM, FM and TV stations, and a good guide to anyone wanting to QSL Canadian stations. As you know from my vendetta of last month, Canadian stations are notoriously uninteresting to DX since they generally don't identify. Those wanting to DX those strange stations will need a guide like Andy's to know what they might be picking up. I don't know what his guide costs, but you could write him and ask. The book also has information on the Ontario DX Association. I thank him for the plug for my FM Atlas-and also the nice words Dave Nieman had for it in the VUD of last month. Dave went picture-taking and sent a shot of WEZQ 107.7's transmitter atop Wethersfield Mountain (?) NY showing a bunch of bays on a stick; color photo won't reproduce here. Captian reads: "Short tower with 10 bay antenna must be used as a backup."

I heard it from a couple of Canadian DXers about my "sock it to the CBC" remarks of last month. Here's a person not about to rub the noses of his area CBC executives in last month's VUD. Michael Reid, of North York ON says: "The CBC probably wants to be known as a regional or national service with outlets across the country. They would consider it pointless to have local IDs with no content local to each station's area. I wouldn't mind it if there were IDs for each station, but do mind DXers who won't adjust their ID standards to what stations are actually doing, rather than the other way around, Most CBCs can be IDed with an up-to-date list and knowledge of regional feeds. Listen near the top of the hour or after the news for regional feed."

Andy Reid: "I would like to respond to your editorial in the Dec. VUD, which just arrived, Hmmmmmm [the only word in the English language with three or nore consecutive letters the same-b.e.]. . . Simply, to suggest that the CBC should install identifiers for their nundreds of broadcasting stations across Canada so that people in a community may identify more closely with their own relay instead of one big 'monolithic system' or so DXers can determine where a given station is coming from for their log, is ludicrous. Canada is a different country and our broadcasting rules are not the same as America's. In the case of the CBC, call letters do not play a part in the network and each transmitter does not have an identity as you would suggest. Imagine the

TV station in Savent Lake ON: 'This is CBWDT-TV-3 channel 8'. Talk about confusing the masses. And besides, the CBC couldn't afford the equipment."

Dr. Joel Rosenberg notices that CIRV 88.7 Toronto is stronger, making WBFO Buffalo harder to get (now 250 h,v; and embracing stereo!). He said that CFNC 103.9 Ohsweken, an "experimental" station, has been on two years without the blessing of a CRTC licence: now 50 watts. Mike Reid says CJLX 91.9 Toronto was a temporary station, that CBC cutbacks have had little effects on AM/FM nets, and that the CBC plans a new network, as well as one that might have commercials, as noted last month.

"Sure glad to see a new FM Atlas," writes Frank Merrill. "It really seems that they nowadays go out of date at a faster rate than in the past. . . Your FMedia! tends to be a horrible harbinger of really bad news, but am glad that I receive it! I really miss seeing applications regarding FM stations, because they were early warnings of frequencies to possibly be savaged." [I haven't printed applications since about the fifth editon FM Atlas, now out of print, and M Street Radio Directory quit listing applications last year.] Frank wants formats listed by frequency, and I do not have time or space for that. He DXes 800 FM stations a year! Slow down. Frank. Listen to and savor each station, rather than frantically dialing 20 or so stations each minute during an opening! That way, maybe I can stay ahead of you in my own totals! Frank wants to DX CA, and he's found a likely candidate on 105.5 in Desert Center. The fact that it's going from an A to a C shouldn't help it skip out any better. But he says, "Finally, something in SE CA with some power, and on a good frequency!" Actually, 105.5 is not good for skip, with the MUF starting below 88 mz and not always migrating as high on the band as 105 5.

Somebody who doesn't have to resort to DX to hear CA stations is W. R. McIntosh who sent a story, "KPCC Muscles In," mentioning its increased power (now 600 h,v; 891 m) and ability from Pasadena at 89.3 to invade the public radio turf once dominated by KCRW *89.9 Santa Monica. I believe KPCC is still mc, middle of the road with a tinge of classical. Correct me, if I'm wrong, KPCC once had a reading service to the blind SCS, but now it's two ethnics at 67 and 92 kHz. Wonder when So, CA will get a reading service again?

Tom Bryant sympathizes on the loss of my father-inlaw and he sent a cassette tape showing that WAMB-FM1 Donelson TN (106.7) really does ID that way, along with its AM. Now if the Canadian FM stations would learn to give a decent ID. . . But I digress. He says WAMB-FM1 is not really directional-just a slight null caused by its tower mounting. It is a nighttime-only station, and operating in stereo.

Also reporting in from Nashville is Douglas E. Smith, who has moved from Wisconsin. While moving, he heard the new WBVN 104.5 Carriers Mills IL, IDing with Marion; I need to know if this has \$tereo, WDXR-FM Golconda IL will not be on 105.1, but is already on 94.3; stereo? He finds AM preferable to FM, even for fidelity, amazing as that sounds. When there's no interference or storm activity, AM can be quite good, he contends. Now with the new Docket 80-90 FM stations, more stations are coming on the air and will cause a lot

of interference on FM, just as AM has, Awful formats and lack of dynamic range are hard pills for AM to swallow, but yet Doug sees some hope in digital transmitters for curing the dynamic range lack of AM. He sees two possible futures for AM: 1) Absolutely nothing. "In about 10 years, there are only 10 profitable AM stations left; the rest close down and the FCC makes 'free' radio legal, as long as they stay on AM. . . 2) The FCC and broadcast community make a special effort to shut down redundant AM stations, and take about 75% of the existing stations off the air." This would make wider AM fidelity possible. Then, "in about 10 years, there are only 10 profitable FM stations left; the rest close down, and the FCC makes 'free' radio legal . . . Probably a good thing, as usually pirates have the best programming on the air."

Ken Onyschuk kindly called about the new WXAV *88.3 and learned they are poised to come on the air stereophonically, aimed S and SE, "Reception reports go to Kevin Curnow, WXAV, St. Xavier College, 3700 W. 103rd St., Chicago IL 60642. Ken's a good music fan and misses the former WLOO-WXEZ. Now it's WPNT-FM. "what a shame." Even WPNT 820 AM can't cut the mustard. That former simulcaster has bitten the dust. apparently permanently, as it can't afford the rent on the land where its transmitter sat. He mentions the NRC's DX Audio Service, a tape version of their club bulletin for the blind and print handicapped. "Personally, I'd like to see an FM radio version for blind listeners who perhaps would like to hear the FCC news on tape." There's even an AM travelog, where John Bowkers selects an AM frequency and plays station IDs onto the tape from around the U.S. and Canada (Canada IDs-you gotta be pulling my leg!-b.e.), "If's really good! Can something similar to DX Audio Service be done on FM? I'd like to see this bandied about in March's VUD. A tape can be 45 minutes on each side." I don't have the time to do that, but any other WTFDA member who might like to tape this column is free to do so, providing credit goes to the WTFDA. Perhaps club HO has some comments, or might know about the legalities of quoting from this or any other column. I tend to be rather candid, and there are times when material sent to certain stations, or to an entire country notorious for not requiring its stations to properly identify might be offensive.

DXer Bruce Hall is getting "amazing results on 98.3 (next to strong adjacent 98.1 CHFI Toronto, filters again!). He's done meteor scatter DX on 98.3 and gotten 28 catches, with razor-sharp filters and "constant monitoring. Thanks to [meteor] shower, I reached my goal of 400 catches for my first year of FM DX. Began April 4, '90," He also sent info on a lawsuit by WRON "Maumee OH" of the lip-synching duo Milli Vanilli, claiming \$200 in damages for each person who attended the performance and \$500,000 in punitive damages. Seems like a publicity stunt by the Toledo rim-shotter In other OH news, WBBY 103.9 Westerville didn't go off the air after all. They've decided to stay on and keep fighting their license revocation. DX it to your hearts

Here's from info FM filters' czar Bill Nienajadly (or is he the pathologist of "lame" radio?). Edwin H. Armstrong would have been 100 late last year, and WFDU *89.1 Teaneck NJ celebraed by dedicating a plaque in Armstrong's honor in the studio adjoining the tower which Armstrong built in 1937, and which WFDU uses. "Yes, I still will renew FMedia! but I have other priorities for now. . . I deleted the 'muting' function on the Sony ST-260. I can now DX weak stereo stations.

Whoopee! The muting/stereo switch had wires coming from it. After trial and error I found the right two wires to solder together. On the Pioneer TX-9800 I found a potentiometer with the 'muting' threshhold. I turned the muting down as far as possible. Now I can DX weak a stereo stations with that! So be pleased to know I can find out if a station has 'stereophony'. Hi!" Be sure to read Bill's article in last month's VUD on modifying digital tuners to tune more finely. But remember, it's spelled "their" (not "thier"); an exception to the rule "i before e, except after c."

Dennis Park Smith says his local KDB Santa Barbara is no more-something like KSPE, but he doesn't listen to AM and like who cares? This did create a situation of a three-letter call for the FM on 93.7. He was interested in knowing that KDFM 92.1 Walnut Creek, before it was KKIS-FM, had its transmitter for a while on much

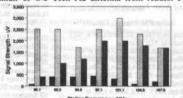
taller Mt. Diablo, "years ago."

Also from CA, Albert S. Lobel says he's still in the WTFDA, but hasn't DXed FM, or any band, "the past few years," and might want a new SCS adapter.

Hawaiian DXer Sheldon Remington wondered if I might be able to expand my Atlas to cover Pacificterritory stations, "I have been receiving FMs from the west coast via 4000-km tropo, and I suspect it might also be possible to reach U.S. possessions, such as Midway, Marshall Islands, and Micronesia. Other sources, such as the WRTVH have inferior accuracy and completeness. I imagine there are very few such stations, so maybe you could tuck them into some corner of the 14th edition." All I know about is Guam, and that's too far away to DX, so I leave that stuff out, as I mentioned 40 Sheldon.

- Clint McAuliffe is hoping to DX in earnest; now that he has a Jerrold antenna on his Oregon roof with a rotor. He's interested in filters for improving his Pioneer receiver DXing. Keith Pugh sent several updates and FM Atlas corrections, as well as condolences in the loss of -Weldon Patterson. "I recall Weldon's name being mentioned many times in past FCC-FM columns. You've done another great job with FMA-13. Not much DX happening. Trying for meteor scatter with very little luck so far.

John Ebeling sent another stupid review by Leonard Feldman of the Terk Pi2 antenna from Audio. I still



wonder when Len is going to learn his FM dial and stop comparing reception only on local stations. One frequency that intruded into his ratings of NYC FM stations is "90.1." I challenge the accuracy of his measurements, unless he is hearing WUSB Stony Brook NY! Here's his graph of station signal strengths and frequencies across the dial, with the dark lines being signals on the highly touted antenna vs. a single folded dipole. That antenna lists for \$79.95 and is NOT recommended for FM DXing! John also sent an article on WLOL 99.5 Minneapolis being sold to Minnesota Public Radio for \$12 million, KSJN *91.1 would go monophonic talk, while classical music would migrate to 99.5, once home of commercial classical WLOL.

John, from a distance of 100 km. is getting a DX-blocking spurious signal on 98.9 of WWJO 98.1 St. Cloud.

Mike Bugai receives the new WRNX 100.9 Amherst MA in fuzzy. multipath-affected stereo. He's in touch with another member about changing filters, "Haven't done it yet," WCVM 100,9 Middlebury VT. and its AM, now off the air due to a poor economy.

Former member Mike Dorner in LA has a rusted antenna rotator, and is hoping to get back into DXing, particularly to hear out of the area public FM stations. He says KTPB *88,7 Kilgore TX is on the air; a true public radio station, I'd like to know if it has stereo and the kind of music it usually carries. KVPO 105.9 Berwick LA is on; \$[tereo], o[ldies], MS Public Radio stations now give individual IDs, so DXers hearing 90.3 won't be confused whether they are getting Biloxi or Oxford, SD Public Radio has gone to individual IDs, too, rather than reciting all the station call letters and frequencies each break, If only our neighbors to the north would learn! The MS system is so advanced, according to Mike, that ID breaks have been recorded with each program host's voice. When you hear the ID you think the announcer on duty is at the transmitter giving the three-second identification!

Fred McCormack was to have gotten married last month, and he's been commuting between the Twin Cities and Fargo, Congratulations! On that happy note, here's the "official" news plus a few items culled from January's VUD.

New FM Station Grants

AL Auburn W224AK 92.7 (WELR-FM 102.3 Roanoke AL), on air AZ Tucson *89.1 3000 h,v; 3 m, U. of AZ AZ WindowRock 96.1 100000 h,v; 300 m AZ Yuma *88,13000 h.v: 61 m. Pacific Besto, Co. AR Clarendon KXRC 107.3 3000 h.v: 98 m AR Gould 102,53000 h,v; 58 m, B&H Bestg. Co. CO Brush KJYY 106,3 3000 h,v; 23 m CO Redstone (on hwy, between Crested Butte and Carbondale) K280DP 103.9 (KSNO-FM 103.9 Snowmass Village—a translator and not a booster)

CO Thomasville (on hwy, south of Eagle, where that road intersects with the road going between Leadville and Basait) K280DQ 103.9 (KSNO-FM-a translator and not a booster) GA Pearson 101.9 3000 h,v; 100 m, Atkinson HI Lanai City 104,7 48 watts h,v; 746 m IN Salem 97,9 3000 h,v; 100 m LA Reserve 94.9 1900 h,v; 124 m MA Marion *88.5 19 watts h, 100 v, 16 m, Tabor

Academ MA Orange 97,3 3000 h,v; 100 m, Dean Brothers MA Webster 98.9 3000 h,v; 100 m, Okun Bostg. MI Lexington 96.9 3000 h,v; 100 m, Vector

MI Saginaw 104.5 3000 h.v: 100 m. T. Eelis MO Ashland 106.1 50000 h.v: 150 m MO Potosi 97,7 6000 h.v: 100 m NM Deming *91.7 600 h,v; 33 m, Tres Hermanas Ed. Media Fund [NY Pub. Bostg. Assn. NY Jamestown *89.7 6000 h,v; 230 m, W/ NY Malone 96,5 2400 h.v: 100 m OH Montpelier 104.5 3000 h,v; 100 m, Lake Cities Broadcasting Corp. [U. of Oregon OR Eugene *88.1 500 v, 222 m, vertical only;/

OR Oakridge KSDC *92.1 580 h.v; -252 m. School Dist, A-4J, pi (on air; listed in FM Atlas-13 map and by-frequency list; show as noncommercial) M. Tarkenton SD Canton KIXS 102.5 3000 h.v: 74 m. Dallas/ SD Martin *102.5 100000 h.v: 230 m. SD ETV TX Bloomington 106.9 3000 h.v: 91 m TX Levelland *91.7 20000 h,v; 87 m, S. Plains

College WV Kingwood 107.9 1600 h,v; 137 m WI Eau Claire *91.3 550 h.v: 66 m. State of WI WI Mosinee (Weusau) 94.7 50000 h,v; 150 m, Paggie P, Mallery (see also "Deletions") WY KBVZ Fort Bridger 99.3 3000 h,v; 47 m, Jas. R. Dunker [10 h, e, Wataway Native Com's.

ON Daylin (20 km W. Fort Frances) CFNP 89.9/ ON Lac Seul (37 km NW Sioux Lookout) 89.9 10 h. e. "WRN" [10 h,v e, "WRN" ON Mine Centre 89.9 (60 km E. Fort Frances)/ ON Summer Beaver (74 km NW Lansdowne House) 89.9 10 h. a. "WRN"

Call Letters Assigned

AL Montgomery 96.1 WLNE, to be b AL Ozark 103.9 WQLS (from WNER) AK Seward *88.1 KSRD (KUHA) AZ Sierra Vista 101.7 KKYZ (KXHC) AR Stamps 100.5 KZHE (KMSL), "Z-100" CA lone *88,3 KEDR-add to p. 143 FM Atlas-13; is 2000 vertical only; 40 m CA Los Osos 101,3 KSTT-FM (KLZZ); AM is in Davenport IA CA Ontario 93.5 KRZE-FM (KNTF), ri, "The Breeze," AM is in Farmington NM CA Riverside 92,7 KQLH (KWDJ), mr FL Bonita Springs 96,1 WRXK"-FM" (WRXK FM; AM in North Fort Myers gets new calls) FL Fort Myers Beach WZCR 99.3 (WQEZ), op. "Classic Rock" FL Jacksonville 99.1 WQ1K-FM (WQ1K) FL Marathon 94.3 WGMX (WMIIM) FL Silver Spings 95.5 WWGO FL Tallahassee 103.1 WUMX (WTHZ), "Mix" GA Jeffersonville 97.5 WWST HI Pearl City 101,9 KPCY (KUKC) IL Golconda 94.3 (not 105.1) WDXR-FM (WXZB), op format; \$[tereo]? AM is in Paducah KY IN Bremen 96.9 WMJC

IN Ellettwille 105.1 WZYG IN Indianapolis 103,3 WFXF-FM (WFXF) IN Linonier 102.7 WLNB IN New Castle 102.5 WMDH-FM (WMDH) IA Fort Dodge 92.1 KUEL (KFDC) KS Herington 96.3 KDMM KS Kinoman 100.3 KTCM (KAPH) a KY Vanclave 99 9 WMTC-FM (WIJMD) MF Rath 105 9 WKRH (WICY) ME Lewiston 93.9 WXGL"-FM" (WXGL-FM; AM gets new calls) MA Northampton 106,3 WEIB MI Pinconning 100.9 WMJT (WLFS) MS Columbus 94.9 WKIR (WXZD) MS Meridian 102.1 WXHT MS Moss Point 104.9 WUNI (WKKY) MS Pascagoula 99.1 WKNN"-FM" (WKNN-FM; AM gets new calls) MO Cassville 100.1 KZRK (KVRV) MO Point Lookout *90,5 KCOZ (KSOZ) MO Poplar Bluff 103,5 KZMA (gets new cells) MO St. Louis 92.3 WIL"-FM" (WIL-FM: AM/

MO Willow Springs 100.3 KGAR (KUKU-FM)

NV Reno 101,7 KTHX (KSXY)

Lebanon 100.5 WNTK-FM (AM is in NH Newport NH) NM Grants 100.9 KZNM (KBYC) NY Oneonta *91.7 WSQC"-FM" (WZXU) NY Voorheesville 96.3 WCDA

NC Moyock92.1 WOFM (not changing to/ NC New Bern 94,1 WZYH NC Rose Hill 104.7 WZYJ OH Delta 106.5 WMHE (WUIA) OH Greenville 106.5 WLSN (WDRK), still b, \$

OK Idabel 96.7 KBEL-FM (KWDG) [(KZBX) OK McAlester 104.9 KTMC-FM7 OK Oklahoma City 101.9 KOQL (KLTE),/ OR Newport 102.7 KYTE (KYQT)

PA Harrisburg 97,3 WHP-FM (WXBB) PA Mountaintop 97.1 WQZM, to 250 h,v; 336 m PA Philadelphia 104.5 WYXR (WSNI), "Star 104.5," "Yawn-A/C, still boring" PA Slippery Rock *88.1 WRSK

RI Block Island 95.9 WVBI (to WXSE) TN Calhoun 104.1 WCLE-FM (not changing/ TN Karns 93.1 WWZZ (WCKS), "Knoxville's Z-93." to 1800 h.v. 178 m

TN Manchester 99,7 WTSN-FM (WQLZ; AM is in Dover NH), going to talk, remove \$tereo listing, ID with Nashville: temporarily silent. but will soon improve facilities to serve Nashville and to be programmed from nonco-owned WSIX-FM 97.9

TN Memphis *89.3 WYPL TX Conroe 106.9 K12S (K IO II TX Denison 104 9 KTCY (KMKT) TX El Campo 96.9 KXGC (KIOX-FM calls not used), rm, no more "X-97," ID with Bay City

and rotating third city TX Fredericksburg 101.1 KONO-FM (KFAN), taking calls of non-co-owned San Antonio station which it simulcasts.

TX Freeport 103.3 KJOJ (KGLF), q TX Georgetown 96.7 KHFI (KQFX), still "K-96.7" with an Austin ID TX Houston 104.1 KRBE-FM (KRBE)

TX Huntwille 94 9 KCEY TX Levelland 105.5 KLVT-FM (KHOC) TX Mission 105 5 KDOV (KIKM) TX Tulia 104 9 K IMY (KDOA)

TX Winfield 97.7 KALK (KYKM) VT Warren 96.1 WDOT-FM (WSBH); AM is in **Burlington VT**

VA Bedford 106.9 WYMY WA Cheney 101.1 KEYF-FM (KEYF; AM is in Dishman WA)

WV Point Pleasant 99.5 WZYI ON Attawapiskat 89.9 (from 90.1) CKTS ON Dubreuilville *97.9 CBON-1

ON Espanola *94,9 CBON-7 ON Fort Albany 89.9 (from 90.1) CKFA ON Haliburton *92,3 CBLY

ON Kaschewan 90.1 CKAS (licensee says its frequency is "101" [sic]) ON Kingston *91.9 CFRC (not CFRC-FM)

ON Nipinon-Red Rock 98.1 CF IO (C.)(R.) ON Poplar Hill 89.9 (from 90.1) CFTF ON Slate Falls 89.9 (from 90.1) CHBJ

See Also January VUD For

MI East Lansing WFMK 99.1 Light Rock 99. Richardson, p. 14 NE Omaha is the city KKVU 105.9 is in, Mer-/ NY Rochester WIRQ *94.3, having moved from 93.3, Coniglio, p. 15 (still 40 watts h, 32 m, so far as I know)

ND Bismarck KYPH 98.7 need to know format, stereo status, Ebeling, p. 14 SC Pamplico WMXT 102.1 does it have stereo?

Sittel, p. 17 [mat, stereo? Allen, p. 16 TX Olney 97.5 calls are KJLR; station for-/ VA "Norfolk WHRO" *90.3 I list as being

WHRV Chesapeake. What gives? If WHRO is on 90.3, what became of WHRV Chesapeake? Mancuso, p. 17 [99, Coniglio, p. 15 WV ParkersburgWHCM99.1 PowerCountry/

Facilities Changes (Selected)

AL Greenville WKXN 95 9 4000 h v (91 m) AL Opp WAMI-FM 102.3 3400 h.v (85 m) AL Oxford WKFN 97.9 280 h v: 330 m AL Tuscal posa WACT-FM 105,5 6000 h,v (91 m) ID Chubbuck KRCD-FM 98.5 (from 98.3) 6200

h,v; 410 m, C2 ID Sun Valley KECH 95,3 448 h.v (661 m), C3 IL Fairfield WFIW-FM 104.9 3400 h.v (84 m) IL Galena WJOD 107,5 6000 h.v (100 m) IL Marshall WMMC 105.9 2800 h.v: 103 m IL Mendota WGLC-FM 100.1 6000 h.v: (100 m) IN Monticello WKJM 95.3 2500 h v (159 m) IA Sioux Rapids KTFG 102,9 148 m (50000 h.v) IA Winterset KTDG 99 5 8000 h v (100 m)

KY Burkesville WKYR-FM 107,9 (having moved from 98,5), now 6000 h,v (100 m) KY Campbellsville WCKQ 103,9 3000 h,v; 91 m; CP for 1850 h.y; 125 m cancelled

ME York Center WCQL-FM 95,3 6000 h.v (100 MI Flint WWC K-FM 105.5 25000 h.y; directional

antenna (d-a; 100 m), B1 MI Gladstone WENL 105,5 78 m (6000 h.v) MI Grand Rapids WCUZ-FM 101.3 26000 h,v; 214 m Imaking action

MI Whitehall (new) 97.5 (from 102.5): rule-/ MN Glenwood KMGK 107.1 3300 h.v (91 m) MN Wingsa KAGE-F., 95.3 2866 n.v (151 m) MO Fulton KKC., 100.5 (naving moved from 97.70

MO Gainesville KMAC 99.7 150 m (34700 l ,v):/ MO Osage Beach KYLC 93.5 33(0 h.v (91 m) MT Hamilton KBMG 95.9 16000 h.v: 120 m. C3 NE York KAWL-FM 104.9 100 m (2750 h.v) __ NH Hennikar VINNH 99,1 1300 l.y; 217 m. d-a NH Laconia WLNH 98,3 3800 h.v (125 m) NH Littleton WMTK 106.3 390 h.v (384 m) NJ Cape May Court House WRNJ 105 5 3300 h v

(88 m) NJ Pleasantville WMID-FM 99.3 3400 h.v (88 m) NM Farmington KRAZ 96.9 310 m (100000 h,v) NY 3uffalo WGR-FM 96.9 24000 hy; 217 m NY Hudson Falls WENU 101,7 4600 h.v (55 m) NC Morganton WQXX 92,1 6000 h.v (100 m) OH Cadiz WWYS 106,3 3000 h.y: 100 m OH Marysville WNRJ 105,76000 h.v (100 m) TN Parsons WKJQ 97.3 2300 h.y. (78 m) TN V/artburg WECO-FM 101,3 1100 h,v (235 m) TX Dumas KMRE 95,3 25000 h,v; 91 m, C3 TX Florewille KWCB 94.1 (from 94.3) 50000

h,v; 150 m, C2 1000 h.v: 134 m C2 TX Groves KTFA 92.5 (from 92.1) 50-/ [C3 TX Hereford KPAN-FM 106.3 25000 h,v;67 m/ TX Houston KTRU *91,7 50000 h.v: 150 m TX Livingston KETX-FM 92.3 (from 92.1)

50000 h,v; 113 m, C2, still mono TX Lufkin KLON *88,9 50000 h,v; 200 m, d-a TX Muenster KXGM 106.5 6000 h.v (100 m) UT Price KARR 98,3 7000 h,v; -32 m, tS, 67 kHz VA Churchville WBOP 106.3 (from 106.7) 25000 h v (100 m) R1

VA Farmville WXJK 101.3 6000 h.v (100 m) VA Manassas WJF K 106,7 22000 h,v; 227 m VA Pennington Gap WSWV-FM 105,5 3500 h,v (84 m)

WA Naches KY KA 96,9 5800 h.v. 11 m WA Raymond KSWW 3100 h,v (280 m), C3 WV Buckhannon WBTQ 93,5 6000 h,v (67 m) WV Lewisburg WKCJ 105.5 540 h.v: 238 m WV MorgantownWCLG-FM 100,1 8000h,v(91

WI Ashland WJJH 96.7 50000 h,v; 124 m, C2 WI Hartford WT KM-FM 104,9 3300 h,v (91 m) WI Platteville WSUP *90.5 1000 h,v (43 m) ON Bearskin Lake CFBL 89.9 (from 90.1) ON Pembroke CBCD *96.7 52300 h,v (158 m) ON Toronto (new) 92,5 4700 h.v. "Your figure would have blasted away WBEE-FM" 92,5 Rochester NY,

Stereo-or to be \$tereo

AR Lonoke KMZX 106.3 KY Monticello WMKZ 93.1, k. "Z-93" MA Amherst WRNX 100.9, r MN Spring Grove KQYB 98.3, 32500 h.v NY Cape Vincent WMHI *94.7, g, "putting a very clear signal into Kingston" [1400 WDNY NY Dansville WACZ 93.9 mr "simulcasting/

NY Dundee WFLR-FM 95.9, now op, and "no more simuleasting with 1570 AM " now k NY Pomona (Spring Valley) W232AL 94,3, but this "Z-100" translator 'is so heavily processed that the overdeviation blows away the stereo subcarrier making listening in stereo very annoying"

NY Schoharie WMYY 97.3, k, "My Country" via satellite and competing with WGNA 107.7 Albany, ID with Albany-Schenectady-Troy. "and the band just keeps on filling up." TN East Ridge WJRX 107.9 "RX-107" or TX Abilene KAGN *91.3

Managhania CO Ignacio KSUT *91.3. still mono NY New York (Brooklyn) WNYE *91.5 has dropped its 19-kHz subcarrier, "I never heard any true stereo." Remove Stereo listing.

Format Changes Formats are the same as in the "FM Atlas" AK Sitka KSBZ 103,1 r. Unis. Adult AR Malvern KISI 101,5 to be Drake easy (b) AR Sheridan KXIX 102.9 k CA Eureka KEKA-FM 101.5 k[ountry] CA Palm Springs KDES-FM 184,7 o CA Quincy KQNC 102.1 p, "modern rock," same as on KTHX 101,7 Reno CO Snowmass Village KSNO-FM 103.9 rm FL Cape Coral WAKS 103.7 r, still "Kiss 103.7"

IFM" (strict)

GA Trenton WBDX 102,7 rm, "Magic 102,7/ IL Carlinville WCNL 95,9 to be k; stereo? IL Mahomet WHZT 105,9 to be r; \$? IN Anderson WQME 98,7 gr, \$? IN Rochester WROI 92.1 m IA Northwood KYTC 102.7 o. "KY102.7" ME Ellsworth WWMJ 95.7 o

FL Naples WRGI 93.5 o

MD Middletown WAFY 103.1 r MA Cambridge WMBR *88.1 fp, "eclectic" MA Pittsfield WUPE 95,9 rm, Unistar MI DeWitt WQHH 96.5 s, expected on this month: will it be stareo? MN Benson KSCR-FM 93.5 m. SMN standards

MS Holly Springs WKRA 92.7 op NJ Avalon WWO C 94,3 rm, "Mix-94" NY Big Flats WGMM 97.7 of Idies NY Owego WOXT 101.7 o, Unis, oldies NY Sag Harbor WLNG-FM 92.1 o, still mono NY Smithtown WCTO 94.3 mr, "Magic 94" NY Warrensburg WKBE 100.5 to be rm,

"KB-100." \$7 OH Clyde WLCO 100.9 k, "FM-100," dumping Spanish days and overnights OH London WCKX 106.3 sj, adds jazz mid-/ OH North Baltimore WHMQ 107.7 k, \$, "The

New 108" PA Hazleton WWSH 97.9 rm PA Lewisburg WGRC *91.3 gr PA Port Allegany WHKS 94.9 r, \$

PA Radnor Township WYBF *89.1 to be p: \$? PA Villanova WXVU *89.1 to be p, both this and WYBF to be "new or alternative music." WYBF to be on air Mondays, Wednesdays and Fridays and half the day on Sundays, while WXVU will have the frequency Tuesdays, Thursdays, Saturdays and half the day

Sundays, May not go 24 hours, but both

all, we are students, and we do have to go to class." Now that WHYY *90.9 has dropped classical, WWFM *89.1 Trenton NJ is hoping to extend its signal into Philadelphia by menas of a few strategically-located boosters. "Current information indicates co-channel at various high elevations (buildings, etc.) in the area." Not known if it will have \$[tereo]. TN Alamo WNBE 93.1 rm. \$ TN Sparta WSMT-FM 105.5 op, \$? TN Tullahoma-Huntsville AL WKQD 93.3 op

stations may sign off from 2 to 6 a.m. "After

TX Abilene KACU *89.7 mc TX Ballinger KRUN-FM 103.1 k, no more "K-103," always using calls

TX Brownsville KRIX 99.5 r, "Energy 99" TX College Station KTSR 92.1 rp, dropping "Star 92," but still identifying with Bryan

TX Granbury KYOT 106.7 b, not be TX Mount Pleasant KPXI 100.7 rm TX San Angelo KIXY-FM 94.7 m. "Kixie" TX South Padre Island KZSP 95.3 o. SMN: \$7

TX Tye KTLC 99.7 mr, "99 FM" (not strict) TX Whitehouse KISX 107.3 r "All Hits Kiss 107.3" (strict)

UT Salt Lake City KCPX 98.7 rm VT Rutland WJJR 98,1 mr WA Tacoma KBRD 103.7 b, BBS easy listening WI Sturgeon Bay WHET 99.7 r, "The Heat" NS Halifax CIEC 96 5 rm

ON Cobourg CFMX 103.1 c. not ci ON Red Lake CKRE 99.5 rm, relays CKDR 800 Dryden ON

On Air (Selected)

DE Milford WXPZ 101.3 on air-testing. \$ GA St. Marve WAIA 93.3 (from 93.5) IN Fort Branch WBGW 101.5 g, \$?

Off Air or Not Yet On

AL Marion WJAM 97.5 still on 103.9 AZ Sedona KOST 102.9. still on 100.1 NJ Cherry Hill WBEK *88.1 PA Chester WINE *89 5 PA Glens Mills WZZE *97.3 PA Telford WBMR *91.7 SC Dillon WZNS 92 9 TX Abilene KFXJ 92.5 TX Breckenridge KROO 93.5

Deletions (Selected)

MI Bay City WBYF *89.1, "application dismissed for extension of time; CP cancelled and call sion forfeited" Inever activated TX Breckenridge K2498 V 97.7, a CP/ WI Schofield WESD *94.7, because of new Mosinee grant

FMistakes-13th ed. FM Atlas (see this feature in "FMedial" newsletter)

NonIDs, Not Just Slogans (Selected)

AL Carrollton WCKO 94.1 Oldies 94 (strict) AL Cordova WFFN 95.3 Fun Country 95.3, having moved from 92.9 ("FM-95") AL DothanWTVY-FM95.5 95 Country (from/ AR Searcy KWCK-FM 99.9 Quick 99.9, having moved from 99.3 FL Fort Pierce WKGR 98.7 Kiss FM GA Albany WKAK 101.7 K-101.7 IL Pana WKKO-FM 100.9 KO Country ME Boothbay Harbor WCME 96,7 C-96,7 For other features, like "AM Happenings Most

Likely Caused by FM' industry news, an editorial, etc. see FMedial newsletter (sample copy \$2).

336 ATLANTIC ST BRIDGETON NJ 08302-2525

ARRESTIATIONS USED IN THIS COLUMN: AATm Height (meters) above average terrain Antenna height above ground Antenna height above sea level AZ. Azimuth (North=0°) Beam Tilt CIR Circular polarization Construction permit CP CRTC Canadian Radio-television and

Telecommunications Commission Directional antenna FII

Elliptical polarization Effective Radiated Power

Federal Communications Commission (USA) FCC measured along a horizontal plane HOR

In the direction or elevation of maximum MAX signal strength

MP Construction permit modification TI Transmitter or tower location

carrier frequency offset 10 kHz above standard carrier frequency offset 10 kHz below standard carrier frequency not offset

APPLICATION FOR NEW TELEVISION STATIONS

ST CH ERP AATM CITY/APPLICANT GA 34 482 147 Baxley; Upchurch Broadcasting Inc.

APPLICATIONS DISMISSED

CA San Bernardino; ch. 30; All Nations Christian Broadcasting Inc.; A & R Broadcasting Co.; Buenavision: Channel 30 Inc.; Good News Broadcasting Network; Inland Empire Television; Religious Broadcasting Network; San Bernardino Broadcasting Ltd Network; SSP Broadcasting Ltd. Partnership: Television 30

FL Miami: ch. 35: Coral Way Broadcasting Ltd.; Cuban-American Ltd.; Adib Eden Sr.; First Latin Women Broadcasting Inc.; Grace Broadcasting Network Inc.: Lamar Communications Inc.: Miami 35 Corp.: Minority Broadcasting Corp.; Range Communications, Ltd. Partnership; Spanish Broadcasting Corp. (all denied)

LA Columbia: ch. 11: Caldwell Broadcasting Ltd. Partnership: Giles Broadcasting Inc.; KTVE Inc.; Love Broadcasting Co. (initial decision).

LA Hammond; ch. 62; Florida Parishes TV Ltd.

MN Thief River Falls; ch. 30; Northern Minnesota Public Television Inc. (withdrawn)

MO Kansas City; ch. 32; Channel 32 Broadcasting Co.; Holt Ltd. Partnership; Kansas City Skywave Inc.; Kansas City Television Ltd.; Mid-Continental Communications Inc. (Review Board, upholding initial decision)

NV Las Vegas; ch. 15; PZ Entertainment.

OR Grants Pass; ch. 30; Freedom Communications Inc. (denied)

TX Arlington; ch. 68; Arlington 68 TV Inc.; Briscoe Broadcasting Ltd.: Channel 68 North Texas Television Ltd. (original CP under initial VA 14 2750 219 WTMW

decision); Johnson Television Inc.; Metroplex Communications Ltd.; Native American Broadcasting Co.; Sammy A. Thornton; Southwest Communications Ltd.; The LouRay Corporation; United Broadcasting Group Ltd. (Review Board decision, reversing initial decision).

Charlottesville; ch. 64; Achernar Broadcasting Co. (Review Board decision, upholding initial decision)

CONSTRUCTION PERMITS GRANTED

ST CH ERP AATM CITY/APPLICANT CA 30 2500 773 San Bernardino: Sandino Telecasters FL 64 3500 414 Inverness: West Florida Television (FCC decision, reversing Review Bd) FL 35 5000 358 Miami; Miami Latino Bong Corp. LA 11 215 301 Columbia: Pears Broadcasting Inc. (initial decision) MO 32 5000 322 Kansas City; TV 32 Inc. TX 68 5000 438 Arlington: Charisma Broadcasting Corp. (Review Board decision) VA 64 5000 78 Charlottesville: Lindsay Television 70 Rawlins; First National WY 11 1.67 Broadcasting Corp.

COMSTRUCTION PERMITS CANCELLED

ST CH CALLS CITY FL 64 -----Inverness (Meredith Corp.)

COD AAT- CALLE CITY

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

51	CH	EKP	AAIM	CALLS	CITY
FL	53	1493	262	WGFL	High Springs
FL	59	3311	289	WJEB-TV	Jacksonville
FL	22	5000	33	WYDH	Key West
FL	57	1858	28	WTLL	Live 0ak
FL	46	5000	309	WNPL-TV	Naples
IA	22	883	39	KFSC	Waterloo
KY	49	2786	602	WDKA	Paducah
MS	40	4624	142	WBUY	Holly Springs
MT	23	1808	642	KMTF	Missoula
NE	17	217	86	KTVG	Grand Island
NY	48	136	129	WYDC	Corning
OR	23	12.4	190	KVPP	Coos Bay
TN	50	4508	239	WPGD	Hendersonville
TX	54	4345	267	KCFP	Austin

COMSTRUCTION PERMIT MODIFICATIONS ORANTED

ST	CH	ERP	AATm	CALLS	CITY
-	- Annual Property	4898	618	KXGR	Green Valley
0.00	1000	2510	440	KBCP	Paradise (ex-ch.46)
FL	59	3311	289	WJEB-TV	Jacksonville
FL	46	5000	309	WNPL-TV	Naples
GA	23	3378	447	WELF	Dalton
MI	53	1660	299	WLAJ	Lansing
MS	40	5000	248	WBUY	Holly Springs (5/11/90)
MS	40	4624	142	WBUY	Holly Springs (12/14/90)
MT	23	1808	642	KTMF	Missoula
NY	52	74.6	254	WACA	Ithaca
OR	23	12.4	190	KVPP	Coos Bay
PA	60	12.2	231	WBPH-TV	Bethlehem
TX	54	4345	267	KCFP	Austin
TX	61	2776	518	KZJL	Houston
TX	51	2560	294	KNWS-TV	Katy
0.03	33%		1 2 2 2 2 3		\$5 F14F60

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AATm	CALLS	CITY
CA	36	490	207	KMIR-TV	Palm Springs (cp)
FL	35	617	65	WFGX	Fort Walton Beach (cp)
FL	4	100	304	WTVJ	Miami (cp)
FL	10	316	458	WTSP-TV	St. Petersburg (cp)
MS	19	1611	478	WMAH-TV	Biloxi (cp)
NC	26	5000	504	WUNL-TV	Winston-Salem (cp)
OH	16	1500	351	WPTD	Kettering (cp)
OK	35	2761	256	KXON-TV	Claremore (cp amended)
PA	35	1918	284	WYBE	Philadelphia (mp)
VT	33	1000	1239	WETK	Burlington (cp)
VA	56	1259	215	WNVC	Fairvax (cp)

CHANGES GRANTED STATIONS ON THE AIR

Goldvein (Lic Mod)

VA 53 2290 230 WNVT

cover CP for changes. I question if these are changes in their ERP, height and location, or just in their license, since these changes were applied for before the station went on kw max: antenna height reduced 182 meters ASL to 140m AAT/52m AG/527m ASL; TL 2.4 km northeast of Springdale AR; coordinates MA Boston; WQTV, ch. 68; granted CP to change 36°12'14.5"/94°06'05" (Az. 356°, or slightly west of due north, 13.0 miles from original TL). Can anybody tell me if the station ever operated at 5000 kw?

CA Palm Springs: KMIR-TV, ch. 36: granted CP to change ERP from 547 kw max/164 kw hor to 490 kw max (is that an increase or a reduction? I guess it depends on where you are.); reduce antenna height 7 meters to 207m AAT/31m AG/511m ASL; same TL.

CA San Francisco; KWBB, ch. 38; granted license to cover MP for changes; antenna raised 18 OK Claremore; KXON-TV, ch. 35; granted MP to meters to 440m AAT/221m AG/475m ASL; same ERP (5000 kw max); TL to Mt. Sutro Tower; coordinates 37"45'20"/122°27'05" (about 3 miles WNW of former TL); DA BT. Don't expect any change.

Denver; KRMA-TV, ch. 6; granted CP to reduce CO ERP from 100 kw max to 37.2 kw; raise OR Bend; KOAB-TV, ch. 3; granted license to antenna 93 meters (ASL) to 375m AAT/141m AG/2433m ASL: TL on Lookout Mountain, 3 km SW of Golden CO; coordinates 39°43'48"/ 105°15'00" (which might be the same as present tower, or next to it). Get it while you can; the increased height will help them save money by reducing power without reducing coverage area, but you can bet it's PA Philadelphia; WYBE, ch. 35; granted MP to gonna hinder e-skip DX.

FL Clermont: WKCF: the FCC switched channel VA Charlottesville; WVIR-TV, ch. 29; granted CP to assignments for Clermont and Cocoa, requiring WKCF and WRES to switch channels, which they wanted to do anyway; granted MP (never got a license since it began broadcasting) to change from 68z to 18-; ERP remains at 5000 kw max; antenna lowered 56 WI meters ASL to 458m AAT/447m AG/467m ASL; TL to 20,000 Fort Christman Road, Christmas FL; coordinates 28°34'51"/81°04'32" (Az. 148°, or WI Racine; WJJA, ch. 49; granted license to roughly SE, 27.7 miles from present TL.

FL Cocoa: WRES: granted CP to change from ch #18- to #68z ch. 68: to raise ERP from 28.3 kw max to 5000 kw max (but reference says only 6 kw aural, so be sure to turn your volume way upi): antenna to be raised 171 meters ASL to 287m AAT/284m AG/298m ASL: TL Deseret Ranches, State Route 150, approximately 19 km WSW of Cocoa FL: coordinates 28°18'26"/ 80°54'48" (Az. 242°, or WSW, 6.75 miles from present TL). Watch out, Atlantic and Golf Coasts!

FL. Jacksonville: WJKS, ch. 17: license changed to 4680 kw max (formerly 4570 kw max/1450 kw hor); 304m AAT/298m AG/309m ASL (10 meters lower than formerly called for in license).

GA Columbus: WJSP-TV, ch. 28; granted license for changes: ERP raised from 921 kw to 5000 kw max; antenna height reduced 8 meters to 461m AAT/328m AG/725m ASL; same TL. Looks like a big boost fo DX.

AR Rogers; KFAA, ch. 51; granted license to ID Moscow; KUID-TV, ch. 12; granted CP to raise ERP from 115 kw max to 316 kw max; raise antenna 46 meters to 346m AAT/89m AG/1186m ASL; same TL. Sure, better coverage, but who's out there to know?

the air. ERP reduced from 5000 kw to 200 IA lows City; KIIN-TV, ch. 12: granted license modification to reduce antenna height 17 meters to 439m AAT/425m AG/669m ASL.

> ERP from 1337 kw max to 1350 kw max; reduce antenna height one whole meter to 249m AAT/269m AG/272m ASL: same TL.

OH Cincinnati: WSTR-TV, ch. 64: granted CP to raise ERP from 1000 kw max/851 kw hor to 5000 kw max; raise antenna height 12 meters ASL to 337m AAT/284m AG/557m ASL; TL approximately 0.2 km southwest of the intersection of North Bend Road and Winston Road; coordinates 39°12'01"/84°31'22" (Az. 197°, or SSW, 1.32 miles from present TL).

raise ERP from 70.15 kw max to 2761 kw max; raise antenna 119 meters ASL to 256m AAT/248m AG/461m ASL: TL 1850 feet east of Dowala Road, 9 km north of Claremore, Rogers County; coordinates 36°24'05"/95°36'33" (Az. 74°, or ENE, 5.98 miles from present TL)

cover change in ERP from 19.55 kw to 19.5 kw. So why am I reporting this? Because there is supposedly still a CP to raise it to 58.5 kw, as reported in the 5/89 VUD, and I don't know what the story is on that. Is it still active? Did somebody just goof these figures?

raise ERP from 323.6 kw max to 1918 kw max. raise ERP from 1290 kw max/427 kw hor to 5000 kw max; reduce antenna height 11 meters to 362m AAT/82m AG/527m ASL; same TL. Look for better DX on those coastal trops.

Milwaukee: WDJT-TV, ch. 58; granted license to change ERP from 2800 kw max to 2820 kw

change ERP from 2670 kw max to 2609 kw max. Wow!

CALL LETTER APPLICATIONS: NEM STATIONS

ST CH CALLS CITY/APPLICANT IN 58 WFTE Salem; WXZA LA 44 WGMB Baton Rouge: WPFT TX 48 KMZS McAllen; KNVO

ST CH CALLS CITY/APPLICANT

CALL LETTER GRANTS: MER STATIONS

Flagstaff; G&D Communications AZ 9 KVPY Novato: North Bay TV Inc. CA 68 KWOK Live Oak: WTLL FL 57 WFXU Salem: Greater Louisville TV Inc. IN 58 WXZA Coos Bay: KMTR Inc. OR 23 KVPP TX 28 KHFI-TV Bryan: Silent Minority Group Inc. Danville: A.W. Broadcasting VA 44 WXZF VA 44 WPCT-TV Danville: A.W. Broadcasting (which one is correct?)

CALL LETTER GRANTS: EXISTING STATIONS ST CH CALLS CITY/APPLICANT

GA 14 WTLK-TV Rome: WAWA-TV OK 34 KGMC Oklahoma City: KGMC (not KOCB, as per 12/90 VUD)

OR 16 KMTR Eugene; KMTR-TV

MEM STATIONS MIR MIN MO

- Modesto CA 95351.
- CO Denver; KSHP, ch. 50z, went on the air "The test would let the cable companies Eighth ST, STE C, Lakewood CO 80215.
- 201, Naples FL 33940.
- AV, Lansing MI 48911.
- 7140 SW Macadam AV, Portland OR 97219.

CHANGES IN THE TABLE OF CHANNEL ALLOTMENTS

- CA Paradise: add 30z; delete 46z. (KBCP, ch. 46 seeks change to ch. 30)
- CA Chico: add #46z; delete #30z.
- FL Clermont: delete 68z; add 18-.
- FL Cocoa: delete *18-; add *68z. (joint application by WKCF-TV and WRES-TV. See changes granted stations on the air.)
- FL Kenansville: add 31z (site restriction 15.4 km south to avoid short spacing to WMFE-TV, ch. 24. Orlando FL).
- GA Baxley: add 34z.
- NY Arcade: add 62- (site restriction 15.2 km east to avoid short spacing to CP in Corning NY and vacant ch. 55 in Niagara Falls Ont.; not frozen by FCC).
- NY Springville: add 67+ (site restriction 8.8 km south to avoid short spacing to ch. 60, St. Catherines Ont, and proposed ch. 62- above, Arcade NY).
- OR Coos Bay: add 41z (site restriction 12.2 km south: frozen by FCC because of proximity to Portland OR).
- DR Medford: add 26+; delete 27 (not frozen by FCC)

OF COPE CUBE

An interesting technical article this month from BILL NIENAJADLY (Clifton NJ). The 11/21/90 Wall Street Journal has an article on television technology. "A powerful group of cable-television companies said it plans to launch a test in CA Paradise: KBCP, ch. 30z (formerly ch. 46, but several big cities of a new technology that would allotment table was changed, and new MP bring extra-crisp pictures to existing TV sets. changed this to ch. 30), went on the air The new technology, invented by a small Silicon 11/14/90: 2510 kw max ERP: 440m AAT/115m Valley company called Faroudja Research, has AG/1194m ASL; TL west sideof Cohasset Road, drawn investments from several big media 1.8 km northeast of the junction at Vilas companies, including Capital Cities/ABC Inc. and Road, 32 km northeast of Chico, Butte County; Westinghouse Electric Corp., and from cable coordinates 39°57'45"/121°42'40"; Univision giants Tele-Communications Inc. and Continental affiliate: satellite of KSCO, ch. 19, Modesto Cablevision Inc. Tele-Communications, Continental CA; address: Sainte Ltd., 2842 Iowa AV, and two other cable companies said they will test the technology with subscribers early next year.

10/18/90: 5000 kw max ERP; 293m AAT/58m sidestep the tangled international battle over the AG/235m ASL; TL Colorow Hill, 2 miles future of high-definition television. Government southwest of Golden CO; coordinates 39°43' regulators are sifting through at least half a 47"/105°14'59"; independent station; address: dozen proposed standards for the next Golden Hills Broadcasting Corp., 1111151 Wigeneration of brilliantly clear TV signals, most of which would require advanced new TV sets. FL Naples: WNPL-TV, ch. 46, went on the air Faroudja's alternative approach is a technique 10/22/90; 5000 kw max ERP; 309m AAT/305m for sharpening the quality of the existing TV AG/313m ASL: TL 21990 Carter Road, Estero signal. The cable companies backing Faroudja FL: coordinates 26°25'22"/81°37'49"; indepensaid they're eager to offer viewers a better dent station; address Southwest Florida signal right away, while they wait for a long-term Telecommunications Inc., 840 Goodlett RD, STE winner to emerge from among the warring highdefinition TV factions.

MI Lansing; WLAJ, ch. 53-, went on the air "'It is important to keep our eyes on the 10/22/90: 1660 kw max ERP: 299m AAT/301m ultimate objective - that of digital television AG/588m ASL; TL Baseline Road, east of towards the end of the century, says John Sie, Arland Road, 4 km southeast of Onondaga FL; senior vice president of Tele-Communications. coordinates 42°25'11"/84°31'26"; ABC affiliate; 'During the 1990s, however, our consumers address: Lansing 53 Inc., 5815 S Pennsylvania deserve the best that NTSC can offer.' NTSC is the name of the existing U.S. TV standard. It Eugene: KEPB-TV, ch. 28, went on the air was established half a century ago by the 9/29/1990; educational station; address: State National Television Standards Committee, but has of Oregon Commission on Public Broadcasting, come to be derided as an outdated design that offers 'Never the Same Color.'

"The Faroudja method, dubbed SuperNTSC, Wide-MAC format in 1991 which will have the same to bleed and smear on the screen."

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elaborate test of six competing advanced TV On a different subject from the 1/3/91 North that test, taking place at a new Advanced found in rejecting a union request to take away Faroud la's, would work on current TV sets."

Jersey Record deals with a standard for HDTV: New Jersey. "Zenith Electronics Corp. and the American From new member ERIC VOYTKO (McLean VA), this Telephone and Telegraph Co. on Monday announced article relating to proposed station WMTW, ch. 14 a new high-television system that could set a (470-476 mHz), in Arlington VA, from the 11/15/90 standard in the emerging industry. Like other Washington Post: "A 2.75 million-watt television versions of HDTV, the new all-digital system transmitter planned for Fairfax County could promises to deliver pictures of movie-theater disrupt public safety communication signals quality and produce crystal-clear sound similar throughout the Washington Region, placing area to that of compact disks. Zenith and AT&T said residents at risk, police and fire officials said their system will provide better quality by yesterday. If approved and licensed by the transmitting 1.575 horizontal picture lines 30 [FCC], the transmitter would operate on the 470times a second. Competing HDTV systems transmit megahertz frequency. Officials said the TV 1.050 or 1.125 lines; standard TV delivers about station could overpower the area's emergency 525 lines. The [FCC] is expected to decide on medical and public safety signals, which are much U.S. technical standards by spring 1993.

only be using converters, which will not give them communications." the benefit of the extra clear pictures or "However, company officials, who said they hope be the most advanced."

More on HDTV from the 1/7/91 Star-Ledger: Corp." "The current issue of Video Magazine notes that | "In response to concerns raised by the fire a day in Japan." "The new TVs look different safety." even before you turn them on. The boxy 4:3 Eric adds, "It is my impression that the Council ratio of current television tubes is replaced by of Governments has good reason to be a superwide tube with an aspect of 16:9." "The concerned. As radio monitors kn this area well broadcast systems and formats, including the safety use of frequencies near 470 Mhz. The analog components. In addition, France and at 460.525 and up could be devastated. The D.C. Germany are scheduled to start broadcasts of a Police also have a dozen or more channels on

offers a new way to encode a color-TV signal 16:9 format of the Thomson tube. Also, the set that reduces the familiar tendency of a picture will be able to receive HDTV broadcasts when high - definition becomes a fact of life on "A committee set up by the FCC is preparing an Europe's airways a little later in the decade."

technologies and plans to make a recommendation Jersey Record: "WPIX-TV in New York has met its in September 1992." "Many of the competitors in New Jersey news coverage obligations, the [FCC] Television Test Center in Alexandria, Va., are the station's license. Although the Newspaper proposing to computerize TV signals or to Guild of New York said the station cut its New upgrade them in other ways that would require Jersey-related news assignments, editorials, and new TV sets. By contrast, a consortium of N.V. public-affairs programs from 601 in 1985 to 238 Philips, Thompson S.A., General Electric Co.'s NBC in 1988, the FCC said such reductions did not unit and the David Sarnoff Research Center is 'necessarily demonstrate a station's failure to proposing an 'enhanced NTSC' approach that, like meet its programming obligations." Don't forget, since people in New Jersey don't know how to More articles from Bill since I received the count past thirteen, VHF stations in Pennsylvania This one, from the 12/18/90 North and New York have to increase news coverage of

S. technical standards by spring 1993.

"Zenith — the only remaining indigenous U.S." "The transmitter is planned by Urban."

television maker - got a boost in March when Broadcasting Corp. The District-based firm plans the FCC backed its proposal for simulcast of to operate a new local station on Channel 14 high-definition signals. Under the simulcast plan, that will emphasize home shopping and other local HDTV signals will be broadcast at the same time programs. Public safety officials said the as standard TV signals. That way, viewers with transmitter would be near Routes 29 and 211 in regular sets will be able to see all available Merrifield, less than two miles from Fairfax programming. Under Europe's MAC system, viewers Hospital and within three miles of similar sites with regular sets will be able to get HDTV signals for Fairfax County police, fire and rescue

sound. In Japan, viewers need special sets to to see the station operating in two or three receive the HDTV signal, which is currently months, maintain that such problems will be transmitted by one station for an hour a day." addressed before licensing. "We are comfortable "Because no single world standard is emerging, (sic) that this can be built and will not interfere analysts said, the U.S. system could turn out to with any public communications,' said John Feore, a consultant for with (sic) Urban Broadcasting

Europeans will be able to buy wide-screen and police chiefs, the Metropolitan Council of television sets beginning this month and that Governments board of directors voted unani-Sony is about to introduce an \$18,000 Trinitron mously yesterday to urge the FCC to assign a wide screen in the Japanese market. The Sony different transmitting frequency to Channel 14. set will also be able to receive the new High The board also asked the FCC to interrupt the Definition TV signal now being broadcast one hour signal immediately if it interferes with public

new TV will be able to work with a number of know, there is a tremendous amount of public current European standards-PAL and SECAM-and Virginia State Police are on VHF hi and the a new, superior satellite-delivered TV system now Fairfax County are above 853 Mhz but the Fire being tested in Europe called MAC for multiplexed Department, with dispatch and hospital channels

sits near the intersection of Lee Highway (rt.29) yet to approve the Owens deal." and Gallows Road in Merrifield, Virginia. There are two antennas atop the tower and currently "WJFB-Channel 66, the Lebanon-based new local only Channel 56 is being broadcast (WDCA-20 and independent station, did not sign on Monday night WETA-26 share a tower in Bethesda, Maryland that as planned. The station...was knocked off the is identical to WNVC's).

impact that a station that powerful could have, to debut. When the power was restored to the I'm already using five Winegard UT-2700 traps on station's transmitter, Channel 66 engineers found my dish, and Channel 56, at about two miles some equipment had been damaged." "Owens said distant is harely under control. A station the station could probably sign on today or running 2.7 Mw (more than double WNVC's) would Wednesday, but he and Bryant decided to hold be devastating. It's like going from the debut until next Tuesday.... tropospheric propagation to catastrophic perpetration!" (Eric, don't you think that's a the 11/25/90 Tennessean Showcase. rather cataclysmic proclamation? -wbf)

proposed to be another home shopping channel, daily from 6 a.m.-1 a.m. Owens says the station exactly what we don't need in this area. (That's will offer 'strong local flavor and featuring local an academic observation, - wbf) Most of the personalities and live broadcasting. Channel 66 metro area is already wired for cable, and will bring to the people what television is three shopping channels on its system."

(I have it as proposed to be a satellite of KMGT, Join Fisher in the bed to discuss what's ch. 26. Honolulu. What is that station happening in Nashville." broadcasting? -wbf)

Bear Mountain near Canton stands 3,126 feet ERP. hire local celebrities to host talk shows."

TOM BRYANT (Nashville TN) sent an article about wbf) new television station WJFB in Lebanon TN. From <u>JIM NAHIRNIAK</u> (Warren MI) reports that "WADL-the 11/27/90 Nashville Banner: "Nashville gets a 38 Mt. Clemens MI continues their relationship new television station at 7 tonight when WJFB- with WJBK-2 Detroit, running more CBS programs Channel 66 signs on with 14 hours of live local that WJBK doesn't use." "They still have few programming every weekday in an attempt to commercials, but lots of promos for TV-2 carve a niche in the tightly contested battle for programs. Most air time is filled with home TV viewers here. The station, licensed by the shopping." FCC to Dr. Joe Bryant of Lebanon, has previously Jim also sent Canadian news, to follow. operated as a low-power station and has been RONALD PURDUE (Byron MN) writes, "It is off the air in recent weeks. Channel 66 has apparent that KXLT (ch. 47 -wbf) has run into undergone some technical adjustments as it several technical problems and now running on prepares to broadcast - in stereo - with an reduced power. And KXLT still duplicating the increase in power that will cover an area from programs of KTMA-23 in Minneapolis, most of the southern Kentucky to northern Bedfork County time, KXLT has lots of audio and video problems. and from Cheatham County to Smith County in the It is mostly impossible to even watch KXLT in

provided by The Jim Owens Corporation, headed weeknights when 'The Cosby Show' is on.

by longtime program producer Jim Owens, who "The location of the transmitter may very well reached an agreement earlier to purchase the be on the other side of WNVC-56's tower, which station from Bryant Communications. The FCC has

Unfortunately, the 11/27 Banner reported, air when Middle Tennessee Electric blew a "As a TV DXer I'm pretty worried about the transformer just an hour before Channel 66 was

Additional information on the station comes rom station...will offer 19 hours of programming daily. "If that's not bad enough, the station is with 14 hours live. The station will be on air Fairfax's Media General service has no less than supposed to be - good quality local television that's also fun and exciting and informative." A short note from LARRY FUSS (Fayetteville GA), Here's one interesting program: Pillow Talk. who reports that KVHF, ch. 6 in Kailua-Kona HI, "Former radio personality Chappel Fisher, clad in is on the air with home marketing of some kind. pajamas, broadcasts from a bedroom. Guests

Lastly, comments from Todd: "Their tower is Larry sent this article from the 11/26/90 near Lebanon and it's my understanding that the Atlanta Journal about channel 14 in Rome GA: ERP is 1.25 million watts with a directional lobe "Channel 14 changed its call letters from WAWA to toward the metro Nashville area. They are snowy WILK in preparation for its foray into the at my QTH (big rock ridge between me and their Atlanta TV market. Station President Hal Gore tower), but a much better signal than WTHN (39) plans to move toward a 24-hour talk-show format in Murfreesboro which has approximately the same by February. Mr. Gore's 750-foot tower atop tower height (about 900' ag) and 2.5 million watts

above sea level and cost about \$2 million to "On another note, there is another LPTV here. construct. Last-minute testing was still under It's a HSN on 68 (W68CG, footnote) operated way over the weekend, and Mr. Gore said he simultaneously with W24AE and W12BV. Transhopes to be on the air during prime time in mitters for 12 and 68 are BOTH on the WZEZ-FM Atlanta by midweek. The station currently airs stick approx, 12 miles west of downtown Nashville. movies, a local Rome newscast, religious A source close to the operation told me that it programming, and reruns.... It also shows was likely that the W24AE operation would be 'Donahue'...and 'Sally Jessy (sic) Raphael'...." "To curtailed due to interference with full service fill his prime-time schedule, Mr. Gore hopes to educational WKYU-TV in Bowling Green, KY." (Ahal Sounds to me like an interferic curtailation! -

Rochester "

"Programming for Super 66, as the station is "Now onto the xlator of KITN-29 in Rochester, being called in promotional material, is being they are off the air from 6 - 6:30 pm Show from 6:30 - 7 pm weeknights. I wonder if was received quite nicely. The other station is this is illegal or the FCC rules require this for XHBJ 45, I suppose an independent, with music translatore?"

Minneapolis or WEUX-48 in Chippewa Falls, WI. I wonder if their CP's has been cancelled by the there some amount of UHF TV on in Mexico now? FCC? It's been at least 4 years since their (I don't know. I haven't been able to get CP's were granted by the FCC. I am in serious updates on Mexico. -wbf) doubt now that either KCBM or WEUX will ever go Dennis mentions that a copy of the VUD expensive. -wbf)

newspaper article that I sent you last August? place in the several years since the first Since I never seen the report on the return of NATVDB was published. I'm still sure there will be KXLT on September 29th in the VUD! I think that another one out this late spring, but again, with someone in the USPS has swiped the letter that I my work load and heavy schedule, I can't get have sent you!"

over some articles dealing with program content, I also want to credit KERMIT REID (College station ownership, or cable systems, but not any Park GA) with sending a copy of the 11/26 article dealing with stations going on or off the Atlanta Constitution on WTLK, ch. 14 in Atlanta GA. air.

While on this subject, one member sent me a that article. letter addressed to Barry Fahber. I don't mind wrong first names, but not that one. I often get mail for a Barry at #336 on the next street over, and he probably gets my mail.

DENNIS SMITH (Santa Barbara CA) reports on reception is Wasco CA (near Bakersfield): two translators which he suspects are about 1 Kw TPO, "One is K15CO Porterville (TBN), at apx 40 miles, comes in snowfree. The other is the one I have some good news about -- K66CQ Fresno (Home Shopping Club). It comes in very good with a little snow--distance may be apx 85 mi. I noticed in VUD back issues that some LPTVs have been mentioned in your TV News as trying to resemble regular TV stations with made-up call letters. The Fresno edition of TV Guide says this in their list of stations: 'Although not carried in this edition, KHST, Channel 66, in Fresno, is available to some viewers. It schedules Home Shopping Club programming seven days a week.' The station never uses that identification on the air; apparently it is only in the TV Guide that way. superimposed on the video signal."

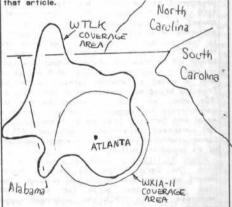
by The Galaxy I satellite, -wbf)

number 33, but was in such small letters on my for most of it. Under previous private

because KAAL-6 in Austin, MN carries 'The Cosby tiny screen that I couldn't read it, even though it videos as their major (or only) programming, "As of this date, still no sign of KVBM-45 in usually in Spanish but English has been heard now and then. They identify quite often. Is

on the air!" (I see no activity with either "mentions something about a North American TV station, and it has been several years. My Station Database. I haven't been able to find guess is that they gave up the idea like a lot of out anything about this. Is it a TV station list, others did when syndicated programs became and if so, does it include translators/LPTY?" There have been more requests lately for an "By the way, did you ever receive a copy of a updated list. And quite a few changes took maps or LPTV lists into this one. And there will I probably didn't receive it. I tend to pass be little change in the international station lists.

Below is a sketch of a coverage map included in



FORUM CAMADA

The only ID I've noticed is every half hour as Back to JIM NAHIRNIAK (Warren MI), who writes, K66CQ in Morse Code with the code tones "I have enclosed a clipping about the end of CBET channel 9 Windsor Ontario as a local TV "A new LPTV came on in Bakersfield sometime in station. Years ago, before the CBC took over, October. A Spanish on ch. 58--apparently the channel 9 was an extremely popular 'Detroit' TV usual 100-watt type as it is on the weak side, station. They provided quite a bit of local Don't know where xmtr is--it could be 25 to 45 programming, probably more than the three miles distance." "There seemed to be ads for American network affiliates, and acted as programs, under a 'GALAVISION' heading, if that Detroit's independent station, running sitcom means something." (Galavision is a Spanish-reruns and a lot of movies. They only ran a language cable network with programming supplied small amount of CBC programs - early morning kiddie shows and some prime time stuff when they Dennis gives a description of television didn't have movies. Obviously, most advertising stations in Tijuana, Mexico: "Of course, there is was sold in Detroit, but this money was used to XETV 6, the English-language Fox affiliate. There produce local Windsor newscasts and public is XEWT 12 with the Univision network. There are affairs programs, documentaries and specials. some UHF stations in Tijuana. One is on ch. 33, They probably served Windsor better than the apparently with the XEW-TV network, as that is CBC has done in the last few years, cutting out the only way they usually identify, not with their everything local but news, and now that is gone own call. Once, I did see their own call with the too. Under the CBC, the Canadian taxpayer paid

ownership. American advertisers did. (Windsor is and Regina." too small a market to support a TV station). Several articles came in the past few months Windsor needs local news to keep its own identity from DAVE SINCLAIR (Vancouver B.C.) The 10/23 and not become a suburb of Detroit. The Globe and Mail reports on CRTC decisions which Canadian government ought to license a will affect some of themore powerful stations in commercial TV station to Windsor with the Canada, "The federal broadcast regulator has understanding that they would tap the Detroit approved more than \$200 - million worth of advertising market to support a Windsor news acquisitions that solidify the power of two operation. Maybe they could acquire the CBET already influential broadcasters and could lead facilities (formerly CKLW-TV) right on the to the creation of a third national Englishriverfront across from Downtown Detroit, language television network. Saying it expects Channel 9 used to have a good signal in Detroit the deals to lead to better quality Canadian until a short while after the CBC took over and programs for viewers in Southern and Nothern turned the elements on the antenna to put a Ontario, the [CRTC] yesterday gave its blessing stronger signal in Windsor and Canada instead of to: Detrot."

Press "Up to 82 of 101 full-time employees at per cent of Global Communications Ltd. of CBET - TV (Channel 9) in Windsor received word Toronto - which operates Soithern Ontario's Wednesday that they are being laid off as a Global Television Network - that he did not part of a massive cutback by its government- already own. owned parent, Canadian Broadcasting Corp (CBC). "M Toronto-based Baton Broadcasting Inc.'s The move reduces the once-powerful station to a \$57 - million purchase a year ago of seven relay point for Toronto - based national Northern Ontario CTV Television Network Ltd. and programming." "The cuts, part of an ongoing Canadian Broadcasting Corp. stations from Midcommitment by the network to help the Canadian Canada Communications (Canada) Corp. of Sudbury, government reduce costs, are the result of a and, for \$15-million, CBC and CTV stations in \$108 - million (Canadian) CBC budget shortfall Sault Ste Marie, Ont., from Huron Broadcasting caused by a weakening Canadian economy and Ltd. softening TV ad market." "Channel 9 will continue "Mr. Asper's Winnipeg - based CanWest to telecast, but all programming will come from Communications Enterprises Inc. bought the the CBC's Toronto headquarters" "There no balance of Global from his two estranged former longer will be locally produced Windsor newscasts partners - Paul Morton and Seymour Epstein or feature programming." "Channel 9 will become in a court-ordered auction that ended five years what is called a 'repeater' station, a far cry of bitter boardroom and court battles. CanWest from the broadcast powerhouse of the 1950s and owns independent stations CKND in Winipeg, CFRE '60s when, as CKLW-TV, owned by the U.S. inn Regina, CFSK in Saskatoon and CKVU in conglomerate RKO-General, it was considered an Vancouver, and Mr. Asper yesterday reiterated equal with Detroit's Channels 2, 4 and 7." "The his plans to weld these stations and Global and CBC purchased the station in September 1975, as other independent stations into a cross-Canada Canada tightened rules on non-Canadian ownership co-operative or quasi-network that would compete of its broadcast outlets."

from The Daily Tidings (an Ashland, Oregon take control of Global to the effect that, in paper), which expands on the CBC problem. "Pink concert with the Winnipeg company's other slips go out next month for about 1,000 stations, it already forms a network and employees of the [CBC], the government-owned therefore should be compelled to seek a full network many see as the glue that holds network license." reducing eight others to small news reporting a CBC affiliate to a CTV affiliate." bureaus feeding their reports into regional and From the 12/20/90 Globe and Mail: "Maclean Saskatchewan have received a provincial grant to starting to wish they had never heard of

"* Manitoba broadcaster I.H. (Izzy) Asper's The article is from the 12/6/90 Detroit Free \$131-million purchase last December of the 39

with the CBC and CTV." "The CRTC also relected RANDY MILTIER (San Jose CA) sent an article objections CTV raised to CanWest's application to

together this vast and diversenation of 26 million Baton president Douglas Bassett expressed people." "Declining advertising revenues, reduced plasure at the CRTC's approval of the Mid-Canada government funding and rising TV production and Huron Broadcasting deals, which will give the costs have hurt the network deeply. About 75 company a stranglehold on TV broadcasting in percent of production costs comes from the Northern Ontario. Baton already is the most government." "Angry public protests have powerful player in CTV, owning its Toronto occurred from Newfoundland to Ontario to the flagship CFTO, and its affiliate stations in Ottawa Gaspe Peninsula of Quebec over what many feel (CJOH) and in Saskatchewan - where it also owns are cuts in one of the few things that make several CBC affiliates," Mr. Bassett singled out Canadians really different from Americans." "A the CRTC's approval of Baton's purchase of major element in the cost-saving program was CHRO-TV in Pembroke, Ont., northwest of Ottawa, closure of three television stations entirely and and its plans to convert the station from being

national centers." "Employees in Saskatoon, Hunter Ltd. and Blackburn Group Inc. must be study the feasibility of buying the local CBC Hamilton television station CHCH. The federal station, reduced to a reporting bureau for the broadcast regulator said yesterday that it has regional center in Regina." "Closure of Goose turned down the two companis' proposal to roll Bay, which served 35 small communities, means themoney-losing station into a mini-network in news for Labrador will be produced in St. John's, Southern Ontario with Blackburn's CFPL-TV in 450 miles away. The same is true for Saskatoon London and CKNX in Wingham. This is the second

involving CHCH...."

feeds and other relay broadcasts. Although C- stations won't be affected." band was not meant as a consumer format, it I'm glad Joel clarified something here: "Closed" caught on anyway. DBS would be used to reach CBC stations mean that local production studios homes directly, as its name implies.

The low power of C-band required a large dish the parent stn. e.g. 'CBC Ontario' 'CBC Toronto.' antenna; medium - powered DBS uses the high- I don't know if this will change." needed it proved too burdensome.

are launched."

Canadian Association of Broadcasters. Spicer Consumer Electronics and NBC." said the commission will set up a permanent directorate to deal with issues such as transfer of ownership."

bring this station back into operation."

TV Channel 33, Bellevue, Wash., (Seattle suburb) dreaming."

time in little more than a year thatthe [CRTC] has is no longer on the air. This station had home stomped on a deal between the two companies shopping and came on air in May, 1989. Mike Cherry also noticed this."

It looks like somebody is planning to bring More on CBC cutbacks from JOEL ROSENBERG Direct Broadcast Satellite to Canada, according (Richmond Hills, Ont.). From the 12/4/90 Toronto to the 10/7/90 Seattle Times - Seattle Post- Sun, a view on the story from Ontario: "There Intelligencer: "A Seattle company offering a new was confusion, anger and sadness at CBLT-TV in technology called direct broadcast satellite (DBS) Toronto yesterday as they faced massive is making a bid to provide programming in a cutbacks and dismissals sweeping the CRC. cheaper and more efficient fashion than any "Closed are CBC stations in Goose Bay, Nfld., and other form of video entertainment. There were Matane, Que. Services are being cut drastically many failed attempts to get DBS off the ground in Windsor, Corner Brook, NFId., Sydney, N.S., in the 1980s during the heyday of consumer Sept-Iles, Que., Rimouski, Que., Saskatoon, Calgary satellite - dish buying. DBS was intended to and the French-language operation in Toronto. supplant the big dishes of C-band receivers, Newsworld - CBC's all-news cable channel - isn't which consumers were using to intercept network affected. And local and regional CBC radio

closed, e.g. re: newscasts. CBLFT will repeat "One of the advantages of DBS is antenna size. CBOFT Ottawa. ID'shave been regional or after

frequency Ku-band, and needs only a flat I'm really organized here. Here is another antenna a few feet wide. In theory DBS was article pertaining to the United States coming very attractive, but finding the millions of from Canada, Source unknown, "America's [FCC]. dollars to launch a satellite service from under the gun to kep the U.S. in the race with scratch, let alone convincing consumers they Japan and Europe to develop the next generation of television, has an 'ambitious but realistic' test "But what could not be accomplished in 1985 schedule to select a high-definition TV standard may come to pass in 1991. By March, a Seattle by mid-1993. Five companies, including the Japan company called SkyPix Corp. is promising to have Broadcasting Corp. and Europe's major TV a DBS service on line. The lures are manufacturers, will compete for the coveted HDTV comparitively low-cost, a vast number of channels standard, the sole format to be used to provide and a steady barrage of hit movies delivered by Americans with HDTV's crystal-clear pictures and an interference-free digital signal to a small compact disk quality sound by cable, satellite and rooftop antenna. The privately funded system the major commercial networks. Beginning April 8, has been in development for four years. 1991, at an Advanced Television Test Centre in a Engineers have come up with a digital compression Washington suburb, each system will be evaluated technique that can squeeze up to 20 channels for two months. Viewer-testing will follow in into the frequency space usually occupied by a Canada, along with field testing. The FCC's single channel on C-band. Thus, where previous advisory committee on advanced television service DBS proposals were limited to a handful of is to recommend a winning format by September, channels because of a shortage of available 1992. The commission is scheduled to announce a satellite space, SkyPix is promising 80 channels standard by June, 1993. So that millions of TVs immediately and an eventual 250 as new satellites will not become obsolete, the FCC has already said the winning HDTV system must allow two From the 10/31/90 Vancouver rovince, this signals - one in today's NTSC format and the article red tape in Canada: "The [CRTC] is cutting other in high-definition on a separate channel paperwork to speed up its decision-making, says to be broadcast. Viewers would have to buy new commission chairman Keith Spicer. "We're going to and costly TVs to watch HDTV programs, which accelerate our decision-making without losing any could become available by 1995. The FCC also of the quality - we had a lot of paper we didn't says it will test a sixth proposal, a partial HDTV need so we're having a little bonfire,' Spicer said system proposed by a David Sarnoff Research after addressing about 600 members of the Centre consortium, which included Thomson

After having discussed LPTV, DBS, HDTV, Other comments from Dave Sinclair, which should various color standards, digital and other future have been put with the United States news, but I technologies, let me finish this rather lengthy already printed that out. "About two weeks ago column with this quotation I came across. It (middle October -wbf) I heard from a neighbor appeared in the Jan-Feb. 1984 issue of the nowthat he saw an item in a Seattle - Tacoma defunct Science 84 magazine, and was originally newspaper about six months or so ago from a said by television pioneer Lee DeForest back in relative; about Channel 24, Anacortes, Washington, 1926. "While theoretically and technically to the effect that a business group is trying to television may be feasible, commercially and financially I consider it an impossibility, a "About a month or so ago I noticed that KBGE- development of which we need waste little time

Bill Niena jadly PO Box 2999 Clifton NJ 07015-2999 Deadline March 5th 1991

Anybody looking for cheap UHF traps? How about \$31.00 each but there is a catch...look on the last ETVDX page for details. On the DX front, Keith Pugh reports in a letter to me that he did not see any E-skip except lowband scanner activity to PA. Karl Zuk did get E-skip as well as Greg Coniglio. Trop was....Outstanding for Mike Reid in ONT who saw stuff out to KY & IL on Nov 22. John Combs in Tallahassee logged KBSI-23-MO on 12/31! Ed Phelps reports seeing TX & said local Ham's in his area of KY were working into CO, NM, TX & LA on 1/2/91. And trivia question of the month is: Did you know that WPSD-6-KY xmtr sight is in...Monkeys Eyebrow KY? That tidbit from Ed Phelps. And..coming soon, E-skip season! It is only 3 1/2 months away...Hi!

Karl Zuk 154 Old Post Road North, Croton-on-Hudson NY 10520 (Edited down from 3 postcards-BN) Today (12/12) seeing bars from new W38AM (Long Island City) NY..it is another satellite of 44/54 w/ 16 KW at 95th & 3rd Avenue about 450 feet HAAT. Had a nice opening to WEAR-3-FL and WSB-2-GA two nights in a row last week. Best Wishes Karl Zuk

Keith Pugh 227 Martin St New Hope AL 35760

(Portion of what was written to me-BN)

The annual ES has yet to show, Still early though. Odd year was 1986.. The Dec 86 ES happened Jan 3 1987! Anyway, the past 3 Dec's have produced ES, and 30-50 Mhz has been ES active to PA It never fails, ES from PA. on low band means a MUF below ch 2 Good DX & Happy Holidays Keith

Robert Ross VE3JFC Box 1003, STN B, London Ont N6A 5K1 Canada November 1990

28 ES 1355 2 WPBT FL

28 ES 1359 3 CUBA

28 ES 1430 WIVJ 4 FL

1st E-skip EVER noted here in November!!

Eric Voytko 1721 Dalewood Place McLean VA 22101 40 stations logged

Equipment: C/M 6' dish, Winegard PA-4975 Pre-amp, Five Winegard UT-2700 Traps (set for 20-26-32 -50-56) RG-11 coax, Up 35 ft. AG.

October 1990

31 Tr Mediocre tropo evening: Philly 17,23,29,57: York 43, Lancaster 15, Hagerstown 68, Salisbury -16-47.

November 1990

3 Tr (Early AM) Usuals + hi-band: Richmond 12, Wilmington 12 and Lancaster 8 (a hard one over locals 7 & 9, Altoona 10, U's strong till 11 AM, new loggings WIVZ-33 Norfolk and WGNT-27 Portsmouth; PM and next day bought only leftovers.

24 Tr (Early AM) Action always seems hot at the end of the month, no exception here: Philly & Harrisburg U's: WBRE-28 very strong, WVIA-44 (new) and unid 38 in the same direction (Likely WOLF Scranton-BN) also Richmond 12 & 35 in this morning.

December 1990

12 Tr (AM) tropo getting more scarce, but a strong showing from Richmond 12,23,35,57, SalisburyU

Nothing to shout about ,nevertheless I'll take what I can get. The November 3 opening did allow me to see the difference my new traps have made. WGNT-27 was watchable from sign on almost until noon, even after local 26 signed on about mid morning. 26's strong signal had a noticeable but harmless effect. I would also like to request information from club members who own or are familiar with those roof top mini towers of the 5-15ft variety that I see the Hams around here usin -g.I'd like to put my dish up on one of them, but would like to know whats involved in install--ing one. Please drop me a line if you can advise. I hope everyone has a great year in '91 (Eric, I cut out trap comments, you letter on it is in detail elsewhere-BN)

Greg Coniglio 5100 Glenwood Drive Williamsville NY 14221

Equipment: Emerson ECR 137 color TV, VHF Jerrold 10 element, UHF 4 bay w/20 db amp, CAC-11 coax & CM rotor

December 1990

13 Tr tentative WGBS-57, WLIG-55, WLIW-21, WTXX-20 cci, Scranton & Elmira in OK time at 2100

14 Tr 0900 Elmira, Binghampton, Scranton U's

24 ES 2245 KSNC-2-KS 25 ES MUF 3 in/out all day Interesting to note there was skip on Oct 31, Nov 28 and

26 ES 1430 CBHT 3 NS 757 also UNID French & a sta -tion whose offset was way off

Dec 25, all 28 day intervals. 73 Greg

Symbols used in ETVDX

s/f-snowfree ns/f-near snowfree ES-E-skip Tr-tropo MS-meteor scatter 2H- 2 hop E-skip lcl-local s/off-sign off cci-co channel interference MUF- maximum usable frequency

February 1991 Eastern TV DX

Mike Reid 1408-65 Spring Garden Ave. North York ONT M2N 6H9

Equipment: 19" Zenith (1977) RS 2 bay, Winegard AC-4990 & ICOM R-7000

November 1990		22 Tr 2015 CBLFT 68 ON		W63AU 63 PA
18 Tr 2337 WENY	36 NY	2019 W67AL 67 OH		W54AF 54 OH
	16 PA	2022 WGGN 52 OH		W52AZ 52 IN
	33 ON	2025 WGVK 52 MI		W48AP 48 OH
	45 ON	2030 WOSU 34 OH		WPCB 40 PA
0914 CICO59		2031 WTTE 28 OH	0235	KNDL 30 MO
	44 PA	2035 WEHS 60 IL	0236	W26AB 26 MI
	34 NY	2037 CBOT4 51 ON	0237	W25AK 25 NY-Olea
	28 PA	2046 WILW 44 OH	Home	Shopping Spree
	24 OH	2047 WEVV 44(KY)	0245	WMCC 23 IN
	32 ON	see note # 1		WAKC 23 OH
	19 OH	2057 WCMU 14 MI		W21AI 21 OH
	36 OH	2102 WANE 15 IN		smouth-TBN
	7 ON	2112 WIII 64 OH		WNDU 16 IN
		2127 WSFJ 51 OH		W60AJ 60 NY
	20 MI	2140 WFIE 14(KY)	0347	w/WDLI-17-NY
	22 PA		0600	W32AC 32 IN
0607 WAKC	23 OH	2145 WHMB 40 IN		n- Muncie)
	44 PA	2147 WHSB 63 IN		W72AQ 72 NY
0653 WBRE	28 PA	2205 WXIN 59 IN		W76AM 76 NY
0654 WPGH	53 PA	2213 W59AM 58 OH		W80AK 80 NY
1653 WMGC	34 NY	Youngstown-WNEO		
1711 CIVO	30 PQ	2235 W60AJ 60 NY	0615	W81AI 81 NY
22 Tr 1929 WBAK	38 IN	2238 WLLA 64 MI	0450	see note # 2
1933 WSMH	66 MI	2238 W65AJ 65 NY		CBEFT 54 ON
1935 W64AK	64 OH	2317 WIIU 30 IN		WTAP 15(OH)
1940 WRGT	45 OH	2322 WLTO 35 OH		WHME 46 IN
1952 WPTO	14 OH -	2340 WLKY 32(IN)		WGVC 35 MI
2000 WPTD	16 OH	23 Tr 0000 WKON 52 KY		WQEX 16 PA
2002 WKEF	22 OH	0007 WCVN 54 KY		WKPC 15 KY
2005 WBGU	27 OH	0010 WKGB 53 KY	0900	WKHA 35 KY
2011 WCET	48 OH	0026 CIVO 30 PQ	0903	WKMR 23 KY
2011 W50BE	50 OH	0130 W66BV 66 MI		MITTERSON AND A
Mansfield lo		0144 W65AJ 65 NY		
2011 WKBD	50 MI	(w/WDLI-17)		

Note # 1 Noted with a (-) offset, This agrees with a 10 year old allocation plan I have, but not the TVDB.

Note # 2 These four xltrs are all the WNED xltrs that operate above ch 70, chs 72 & 76 were al the snowfree at their best. Chs 80 and 81 only receivable on the ICOM due to cellular phone crud blanking the screen.

The un-id 61 confirmed as WTIC-61. (I knew it!-BN) They were running Fox net cartoons. WTGI does not run cartoons. Last fall I wrote to WYOU-22, asking them a few questions. I never got a reply Recently, I phoned them up to ask them the same questions. They said they got my letter and responded to it along with two letters from "shortwave listeners" who received their station (I didn't know that UHF can be heard on shortwave, did the BBC & WRNO & KUSW give image problems to WYOU ? Hi!-BN) Anyone who wrote to them last fall and did not get a reply should write again.

John F Combs N4SFS PO Box 7581 Tallahassee Florida 32314

904-878-6317

December 1990 Tr (Phoned in to me, John says he will have more detailed soon-BN)

31 Tr KBSI-16-AR...WPTY-30-TN ...WLMT-30-TN....KBSI-23-MO 568 mi. 458 mi 458 mi. 565 mi

Doug Smith (W9WI/4) 14 Brookside Court Nashville TN 37209-4503 ****NEW REPORTER****

Just moved down here from WIV territory. Had a nice surprise on New Years Eve-big tropo! The Indianapolis and Cincinati area stations are especially interesting; sure didn't think I was going to see anything I've already seen from Wisconsin!

Decen	nber 1990																
31 Tr	1745 WKPD	29	KY	116	31	Tr	1800	WGRB	34	KY	108	31	T 1845				
	WKMU	21	KY	97			1806	WHNT	19	AL	95			WAFF	48 A	L 97	à
	WKMA	35	KY	78			1811	WITO	21	AL	177		1925				
	WKGB	53	KY	64			1829	WIJP	60	AL	157			WAAY	100-7-17/03	MIN 1977	
	WBKO	13	KY	66			1840	WBMG	42	AL	177			WKYT	27 K	Y 182	

Doug's report continues on the next page

February

1991

Doug Smith continued

December 1990		(note # 3)
31 Tr 1925 WHIQ 25 AL 95 1945 WJSU 40 AL 174 1950 WDRB 41(IN)157	31 Tr 2202 WCLJ 42 IN 221 2213 WKOI 43(OH)254 2218 WKGT 45 OH 276	31 Tr 2358 WCHSt 8 WV (304) WOWKt13 WV (294) January 1991
1955 WKLE 46 KY 178 WKON 52 KY 193	2224 WBBJ 7 TN 105 2232 UNID 46 WSW	1 Tr 0003 WIVA 9 MS 198 WKEF 22 OH 275 WFIE 14(KY) 121
2051 WOWL 15 AL 115 2135 WIVQ 36 KY 182 (Note #1)	(Note # 2) 2232 WKMR 38 KY 229 2241 WZDX 54 AL 102	WEHT 25(KY) 130 UNID 35 (339)
2137 WNAL 44 AL 150 2141 WCAJ 68 AL 178 2157 WICT 45 IN 106	2242 WIII 64 OH 235 2243 WXIX 19(OH)233 2247 WCET 48 OH 234	(note # 4) 0026 WIIB 63 IN 219 0745 Evans-louis-ville

- Note # 1 Audio only ID. Video just cci to local TBN LPTV. (darn they & channel 24 were off the air most of last week ...)
- Note # 2 TBN. LPTV in Jackson? (No 46 LPTV listed in Jackson, however I show W46AV that is a TBN listed in Pascagoula MS: my list shows a Cp for it. I can't tell you if they are on the air or not, hope you can find out if they are on the air-BN)
- Note # 3 Both tentative: ch. 8 ran a ad for "CLARK BRIDALS FORMAL" (will try to check with Charleston phone book): ch 13 was rerunning the late news-WBKO should have been ABC's New Years special. Besides, the 13 logo on the ID (unfotunatly I couldn't read the rest) wasn't WBKO's.
- Note # 4 Suspect WLIO-OH, but all I have to go on is really weak NBC and the direction the band was open in. (Dayton was real loud at this time) Could also be WSMV-4 overload..

Hommm... it's about 20 degrees below normal, clear-and we get a monster tropo! 6 states in 5 hours with indoor antennas! WRGT-45 comes pretty close to equalling my tropo record from Madison (I had a tentative on WKEF-22 also). In Madison, my antenna was up about 25 feet, out doors & in the clear, 5 miles from the nearest transmitter, and helped with two preamps. Down here, it's as high as I can hold it, indoors, no preamps, and I'm 2000' from two TV's and two TM's, Would love to have had the full antenna setup for this one!

Ed Phelps Rt 2 Box 266 Benton KY 42025 502-527-2289

(Phoned in report-BN)

All Tropo January 1991

- 2 Early Morning: (no times listed-BN) -KLMG-51-TX-450/ WAIA-10-AL-450/ WZFA-12-AL/ WDAM-7-MS W56AG-56-(Franklin)-NC-1 KW at 300 miles/ WIVC-9-TN/ WIVM-9-GA/ KNOE-8-IA/ KLAX-31-IA-450 KOMV-8-MO-250/ WVSB-27-MS / WDEF-12-TN/ WPTD-16-OH/ WPTO-14-OH/ WHOA-32-AL-350/ WSBN-47-VA WCBI-4-MS/ WHNT-19-AL-200/ KTHV-11-AR-250-s/F/ WYMT-57-300/ WDSI-61-TN-210/ WJSU-40-AL
- 4 WMC-5-TN-150/ KTVI-2-MO-175/ KETJ-19-125/ Ch 11 St Louis MO

(Ed indicates that local Hams were working into CO,NM,TX & LA around 1/2/91,Ed says that he is on 444.2 and 147.13 often and his call is NNZE) 360 TV stations since August 1989

That dude from Joisey PO Bocks 2999 Clifton NJ 07015-2999 QTH: Ackerman Ave, Clifton

Equipment; Radio Shack U-120 at 80 feet, 200 ft above sea level aprox, Winegard AC-4990 amp Radio Shack 6 element ant FM only used for VHF at 75 feet, RS rotor, RG-59 coax 2 separate feeds for VHF/UHF, Teknika tuner, Sharp color TV 13", 10 db post amp for VHF.

January 1991 all tropo unless indicated:

8 0610 DC 50, York PA, a slight trace of Baltimore area, no Delmarva, avg to below avg tropo 2000 A couple of hours before a snow/ice storm, WCNY-24-Syracuse near s/f (rare) nice video taped ID, Binghampton up, Scranton up, a slight trace of Elmira 36 (need them still) Albany 23 & WCDC-19-MA way up, something to the north on 45, Schenectady possibly, why don't they come in when 23 Albany makes it here.

15 0730+ Harrisburg U's, WNEP-16-PA (not common), Binghampton, Syracuse up + New England a bit.

Added W38AM Long Island City NY per Karl Zuk tip, they are // 44/54 LI simulcast but rum a separate feed on W38AM, for \$2.00 per minute you can have your fortune told. The \$2 a minute includes holding time! What a waste of the public airwaves . This of course kills WSBK Boston when W38AM is on.

WNEI-13-NY has NWS (some of the time) on thier SAP. WGBS-57-PA also runs NWS on thier SAP

(all the time).

Eastern TV DX February

After seeing Eric Voytko had success with traps in his area, I wrote to him asking for more info. I know when my local WNJM-50 will soon go to 5 million watts at 4 miles away, it will kill the UHF band for me unless I get a UHF trap for 50.

To date, the only traps for UHF I was aware of, was from a outfit up in Syracuse NY and they sell for \$150.00 EACH! So until now I never bothered to get one for that price (I can't afford it!) But now comes word that UHF traps are available for \$31.00 each, I felt that it would be worthwhile to pass on this information to other TV DXers looking for UHF traps at a reasonable cost. A lot of you out there have been asking about traps so here it is.

The Catch: You have to buy in quantity...SIX at a time (NO problem there, really...just get 6 DX -ers together and split the cost.

Get them at: Davis Antenna Inc. Box 335, Hwy 925 North, Waldorf MD 20601, 1-800-426-8366 and ask for George Clark. The unit is model UT-2700 Winegard variable UHF trap. Specs listed are: Trap range: 470-810 MHZ, Attenation 8.5 1 trap in place. 15 db both traps in place. (this unit is realty 2 traps in one!). Insetation loss: only 0.5db!

How does it work? Below is a letter from Eric Voytko, Eric lives near the DC area in McLean VA. (Edited down a bit-BN)

When I recently purchased my Parascope and 4990 and initially got massive bleed over and 15 channel imageing I thought I had wasted my hard earned dough. The first solution was to lengththen the lead-in from the antenna terminals to the amp to a total of about eight feet. A long coax attenuated the strong signals to a tolerable level, but then it dawned on me that this set up would kill weak signal DX just as effectively. So I began to consider traps.

I saw the spec sheet for the UT-2700 trap at the store where I bought my antenna. It seemed like the ticket on paper; 15db attenuation(8.5 per side if used for two channels), 0.5 db insertion loss, 75 ohm and AC/DC passive. Unfortunately, the store did not carry the traps so they sent me to the

local Winegard distributor, Davis Antenna.

The traps ran \$30.76 each, but are non-stocking items and required a pre-paid order for six units. All told they would run more than my dish, but with the number of locals it made sense to try. I was really buying blind, trusting the spec sheet, beacause I have about three months experince in TV equipment. Tim McVey had no info on this particular model, and could only offer general

advice on traps. The risk did pay pay off, though! After installation, I noticed that almost all 15 channel images dissapeared (56 on 41 and 20 on 35 remain but are weak) Adjacent channel interference remained but was confined to one above and below. I did however, lose WHAG-25 hagerstown, at 65 miles, due I beleive to a mis-tuned trap(adjustment is finicky and critical)but found WJAL-68 Hagerstown, which had never even had sync bars before. Also new was W44AA Morgantown, another now-regular scatter station(26 Kw) WTXF-29 in Philly, once only tropo material, is now in daily scatter and is my Northeast tropo barometer. Then the conditions picked up and I saw how sweet it was (see my report)

Early on November 3, I had logged WTVZ-33 and then WGNT-27 from the Norfolk, VA area. I had positively ID'ed both, with WGNT doing the best of the two.Later that morning I was watching a program on 27 when I saw a negative image of WETA-26's TP appear, but amazingly it did not obliterate WGNT's signal. Throughout the morning, I watched programming and got several good videos with only a faint interference visible. Yes, it was true. Strong tropo COULD override even the adjacent channel interference of the locals even when amplified. Subsequent loggings of Harrisburg 27 and 33 were really impressive. They are only 100 miles away, but are almost directly in line with 26 and 32. When the conditions are right, the locals can be nulled out to receive these stations, although it is a much tighter 'squeeze' than Norfolk is. This could not have even been dreamed of before I had traps. Channel 21 is the lone "Harrisburg hold-out" as local 20 is a tad stronger than the others(sadly, I don't even know all my local ERPs, but I am in the process of amassing that information) "

Eric, we thank you for your comments and information on the UT-2700 UHF traps, DXers are invited to write in at any time to ETVDX about traps, amps, antennas or anything related to TV DXing and any helpful hints that they might have. Though ETVDX is a DX column and it is mainly for DX catches and DXing the TV band (East of the Mississipi River for ETVDX) I feel some information is too valuable to keep out of ETVDX (such as the case of the traps).







PO Box 1263, 184 Barton Street, Buffalo, NY 14240

WKIT TELEVISIO ******

ANEXT PAGE: UHF traps for 31 bucks each, and thier performance in a metro area.

Fred McCormack Box 17860 St. Paul MN 55117

Deadline: 03-08-91 Cut-off: 12-01-90

**** PLEASE NOTE NEW MAILING ADDRESS FOR WESTERN TV-DX REPORTS ****

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

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

PST

Equipment: (See December 1990 Western TV-DX)

October 1990	8 F2 1719 unid 49.230 MHz	30 tr 1047 25, 42 Tricities
31 tr 0836 KNDU 25 WA 279	(Video sync)	1059 KYVE 47 WA 213
0839 KVEW 42 WA 279	12 tr 0709 CBUT27 59 BC 65	
0847 KTNW 31 WA 284	(Very rare!)	December 1990
(Over CBUT35-31)	17 au 2350 CFRNt 3 AB	1 tr 1749 KAPP 35 WA 213
	20 tr 1152 24, 32 Portland	3 ms 0905 unid 3 4sec 110°
November 1990	22 tr 2246 24, 32 Portland	(Video & audio)
8 F2 1551 NZTV 42.240 vid	2258 KTVZ 21 OR 346	7 tr 0700 KATU 2 OR 236
50.740 aud	26 au 2337 unid ch 4+ 20°	0700+ 24, 32 snow free
1612 TVQ 46.170 MHz	(Weak audio)	0813 KCKA 15 WA 165
(Vid, no audio)	30 tr 1042 KEPR 19 WA 277	(Snow free)
1704 unid 48.245 MHz	(Over CBUT36-19)	

F2 opening provided weak video signals. F2 above 45 MHz also noted on November 27th and December 5th but no traces of any TV-DX - not even "sync" buzz, although there were southwestern US, Central American and Mexican pagers/repeaters coming through loud and clear. Aurora on the 17th brought in a few Edmonton FM stations, so I am guessing that CFRN-3 was the horribly distorted signal coming through. Aurora on the 26th was coming in on FM from the north and northwest, so I have no clue who this was. (CFJC-4??) December 3rd meteor scatter had Joan Rivers - this reminds me of the killer May 27/28th opening when I got to see the same episode of the Joan Rivers Show (yecch!) eight different times and channels thanks to E-skip!!!! I've noted "venetian blinds" and vertical offset bars on channel 3 a few times in the last couple of days (early December) so maybe we'll get some E skip openings here soon. It was this time last year that Dave Sinclair over in Vancouver got double-hop E skip from western Illinois on channel 3, so maybe a Christmas E skip treat awaits!!!! Happy New Year to all WTFDA members especially to those whom I've been corresponding with this last year. This winter/spring should be the last time for about 9-10 years for F2 so get it while you can !!!!!! 73\$, Mike

Dennis Park Smith, 3703 Dixon Street, Santa Barbara CA 93105-2419

This is a summary of relatively recent DX activity and some background about my original DX'ing location in Wasco, California, approximately 25 miles northwest of Bakersfield. I DX'ed there at 450 Poplar Avenue from 1954 when the family got a TV set until 1974 when the house burned down. My parents then bought another Wasco house at 822 Rosewood Avenue which they still have. I get to Wasco only occasionally now -- too bad because virtually all VHF channels there are open for DX.

Wasco is in the southern San Joaquin Valley at 325' asl with high mountains (5-10000 feet) in 50 mile radius from east through south to west and flat and open for 400 miles to the north and northwest. Nearest VHF TVs are behind mountains or are distant. Our local U's use some of these mountains for transmitters. My antennas in old days were various TV and FM up to 45' agl; present antenna so far is only UHF 4 bay conical at 15' agl.

Lots of E skip possible -- quite a bit seen in arc from northeast Mexico and Texas around to Washington state and southwest Canada, from 550 to 1500 miles, and some double-hop (or extended-range), most memorable being channel 2 Pittsburgh (2150 miles) and channel 6 Milwaukee (1800 miles). Distances are approximate.

Strong locals are channels 17 and 45, Bakersfield (35 miles), 23 and 29 Bakersfield (45), 26 & 49 Visalia (70). Strong enough to be consistently snow free are 18 and 24 Fresno (80). Consistently very good, but not quite as strong (I need more height) are 21,30,47,53,59 Fresno area (100). With VHF antenna, I would have, southerly, 6 San Luis Obispo (75) fair, and these, poor: 12 Santa Maria (70), 3 Santa Barbara (80), 2,4,5,7,9,11,13 Los Angeles (115), 8 and 10 San Diego (220), 6 and 12 Tijuana (245). Northerly, always

there poor and occasionally better on tropo: 8 Salinas Dennis Park Smith (continued) (140), 11 San Jose (175), 3,6,10,13 Sacramento-Stockton (210), 2,4,5,7,9 metro San Francisco (225). Seen on tropo only (not consistently) have been 12 Chico (320) and 7 and 9 Redding (390). With present UHF antenna, sometimes seen up

to fair on tropo: 19 Modesto (180), 31,40,58 Sacramento-Stockton (210). Seen once, fair tropo, was 65 San Jose (175), maybe last summer -- I should write things down again. Consistent, but weak and with a deep up-down fade cycle over approximately four minutes is 64 Barstow (125), the only UHF I've ever seen over the south mountain barrier.

Then there is translator/LPTV, nearby and tropo. On VHF would be consistently from Springville: 7 (for 47 Fresno?), 9 (6 San Luis Obispo), 13 (30 Fresno), maybe fair (50 miles). UHF seem like usual flea-powered 100 Watt signals with two exceptions noted. Closest is run by public elementary school in oil country: channel 50 Belridge School near McKittrick, good signal (20). Next nearest but only fair at most are Bakersfield 39 (for 21 Hanford/Fresno), 55 (TBN), 58 (on air approximately November. Spanish, maybe Mexico City based?) (20-45 miles -- don't know transmitter sites). Next two must have 1 kW transmitters and mountain sites: 15 Porterville (Visalia?) (TBN) (70), consistently snow free: and 66 O'Neals (Fresno area, Home Shopping Club) (80), consistently very good. Less than year ago, channel 15 TBN was channel 57 with fair-poor signal. Channel 66 shown in Fresno paper and TV Guide as "KHST Fresno" but only ID's as K66CQ in code approximately every half hour with sound superimposed on video signal rather than on audio signal. Still get 56 Fresno (TBN) (85) occasionally on tropo, poor-fair, but have never seen 34 Fresno (for 42 Concord) in Wasco.

Perhaps next time, an intro to Santa Barbara DX'ing and space permitting, notes

about a little LCD color TV I've been playing with. Best of DX to all.

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

December 1990 8 tr 0317 KPLR 11 MO NOTED OFF FOR MY FIRST TIME EVER. K11SNt 11 MO (Columbia

Something is obviously on there with Country Music Television. Jeff had it a few days ago when HE found KPLR off. Audio was on channel 11+.

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

December 1990 1 tr 2103 WCET 48 OH 400 5 tr 2040 WXMT 30 TN 585 10 tr 2120 WDRB 41(IN) 437 KDUHt 4 NE 5 tr 1820 WCET 48 OH 400 WDRB 41(IN) 437 WCET 48 OH 400 KTVXt 4 UT WXIX 19(OH) 400 24 Es 2049 unids 2+, 2- s 1115 KTVSt 3 CO KCNCt 4 CO 1823 WTVQ 36 KY 473 25 Es 1045 KTWO 2 WY 964 2035 WEVVt 44(KY) KOTA 3 SD 787 KWGNt 2 CO

Some unexpected Christmas DX but not much of anything else.

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CDT/CST

Equipment:

1966 Zenith baw tube receiver ch 14N22, modified Zenith 175-1962 detent tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with RDX Labs UA900 preamplifier on a 40' tower.

October 1990	31 tr 0525 KSAX 42 MN 404	14 tr 0445 WBRA 15 VA 583
4 tr 2230 W65BV 65 IL 82		0450 WSBN 47 VA 483
(Springfield WSEC-14)	November 1990	0455 WMSY 52 VA 533
11 tr 0430 W43AV 43 WI 108	28 Es 1820 WPBT 2 FL 1229	16 ms 0325 KCNC 4 CO 811
(Waukesha CHA)		19 tr 1830 WXMT 30 TN 408
12 tr 0335 CKCO 13 ON 461	December 1990	
0430 CHCH 11 ON 488	10 tr 2055 WVAH 11 WV 463	

I have replaced my Winegard PA4975 with an RDX Labs UA900 preamplifier as it appears to be superior in performance. In the spring, I am planning on installing a Winegard 11 foot satellite dish for UHF at 48 feet. There are many problems. Keeping it up due to the antenna's large wind resistance is one. Many UHF stations have come on the air recently in the area and I need a more directional antenna system.

GREG CONIGLIO 5100 GLENWOOD DRIVE

WILLIAMSVILLE, NEW YORK 14221

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

FEBRUARY 1991

DEADLINE: The First

Another short column for the off-season. Thank you John Sulak of Florida for sending information on the "Galaxy-23", a very impressive looking new FM antenna. I have forwarded the information to HQ for a special report. Also thanks for all the nice comments from members. I appreciate your feedback. Your comments make doing NFM well worth it..

MIKE CHERRY - BOX 631 - GANGES, BRITISH COLUMBIA VOS 1E0 (604) 537-5201

Equipment: See August Northern FM FM	@ = m
NOVEMBER 1990 DX	
11 Tr @ VANCOUVER	
0927 KXL 95.5 OR Portland, soft r	270
0929 KQBE 103.1 WA Ellensburg, r\$	165
0932 KKCW 103.3 OR Beaverton, rm\$	273
0934 KMJK 106.7 OR Lk.Oswego, CHR\$	272
0938 KWJJ 99.5 OR Portland, k, ads	270
0939 KBVM 88.3 OR Portland, g\$	270
0942 KMHD 89.1 OR Portland, NPR t	270
0943 KBPS 89.9 OR Portland, choir	270
0946 KOPB 91.5 OR Portland, weak	270
0948 KKEE 94.3 WA Long Beach, PSA	185
0952 KDUX 104.7 WA Aberdeen, AOR\$	164
0954 KGHO 95.3 WA Hoquiam, church	
service, CCI = KXLE?	164
0956 KFFM 107.3 WA Yakima, legal ID	201

0959 KHPE 107.9 OR Albany, q\$

1001 KBOO 90.7 OR Portland, ID, i

)	= mo	DIIe	
	270 165 273 272 270 270 270 270 270	NOV.11 Vancouver Tr cont. 1007 KLYK 105.5 WA Longview, ads\$ 1010 KLLM 103.9 WA Forks, ads, ID 1014 KXYQ 105.1 OR Salem, CHR\$, PSA 1032 KEYQ 98.3 WA Pasco, j, id, Q-98 1037 KDGN 95.9 Ephrata, ID w/KULE 810,g 17 Au 2344 CKRA 96.3 AB Edmonton, Lite 96 2359 CBX 90.9 AB Edmonton, CBC Stereo service, ID, net.prog	174 160 278 265 205 544
	185 164	26 Au 0018 {CBRX} 94.3 BC Prince George r 0059 <u>CBYI</u> 88.1 BC Hagensborg, CBC AM network, // CBU 690	370 495
	164 201 290	DECEMBER 1990 DX 4 propagation unknown?? @-Ganges 1906 unID 107.1 , 12 seconds, see notes	400

0612 KPQ 102.1 WA Wenatchee, ads, r

ID always needed to verify 107.9, tricky!: both KMBI Spokane and KHPE Albany have religious programs and a music!! Dec. 4 I was listening to semi local KKNW 106.9 Seattle when I heard very strong adjacent channel interference. Tuned 107.1 (mono) station had a hockey broadcast - signal was clear but didn't abruptly cut out like MS or Airplane Scatter but faded out like Es!! No other activity noted and local 10 metre hams ham had no Es. Was not CISC Gibsons-Sechelt. (Sounds pretty weird, could have been MS though. I have heard some bursts that do not sound like MS bursts at all-gc). I've enjoyed discussing proagation recently with Doug Allen. I hope to write for my ham ticket mid-January. Now I gotta find some time to study! 73\$, Mike.

5 TrS

DAVE NIEMAN - 12284 NICE ROAD - AKRON, NY 14001-9529

Equip.: Carver TX-11 tuner, Heathkit audio amp., Channel Master Stereo Probe 9 32' above ground turned by a Allance HD-73 rotor, RG-11 75 ohm coax New to log are underlined.

1000 50 50 5		n ou roy ar	O MINOR EXILOR
DECEMBER 1990 15 troposcatter			Angler Aven
1005 WRIJ 106.9	PA	Masontown, WLIC, g\$	ID//WAIJ & 236
28 troposcatter			THE STATE OF
1600 WRVL 88.3	VA	Lynchburg.	ID between

wx & nx, g\$

DECEMBER 1990				
29 troposcatter				
0910 WAFX 106.9		Suffolk,	"106.9	The
30 troposcatter				446
1405 WARX 106.9	MD			
		m	agic 10	5.9"
(NFL	Wash. &	Buff.)	231

Every year the wife asks "what do you want for Christmas" and every year I answer "a new radio". Does anyone want to trade; I have a tie, some underware and 4 pair of sox? no super hot new radio. All kidding aside, I do hope everyone had the best of holidays. Let me be the first to thank Greg Coniglio for doing a super job as NORTHERN FM column editor. One of the VUDs many unsung heroes present and past. May our support and praise be your reward!

394

REPORT TO THE VUD !!!!

NORTHERN FM DX

FEBRUARY 1991

1281

1196

383

1605

658

791

497

745

635

437

428

dBRUCE HALL c/o 141 KING GEORGE ROAD - BRANTFORD, ONTARIO N3R 5K7 Fauipment: JVC JRS201 receiver (mod w/ 3 150 filters), Magnum Dynalab 205 signal sleuth, stereo probe

9 fed with RG6 at 50 feet AGL, Crown Rotor, distances are in km.

NOVEMBER 1990 DX 0637 CBAL 98.3 NB Moncton, CBC French. 0733 WLMI 103.9 PA Kane, k, Quik Stop ad 212 12 Gemenid MS 0650 WJAT 98.3 GA Swainsboro, r, local ad ment 0811 WLDR 101.9 MI Traverse City, Sunny 102, m 0655 WWBE 98.3 PA Mifflinburg, B98, k, calls 27 Tr 2110 WKNN 99.1 MS Pascagoula, K99, k 27th 0815 WKSZ 100.3 PA Media, Kiss 100, r, traffic 525 state heard, 18th catch on 99.1 0826 WHTZ 100.3 NJ Newark, Z100, r, NY ads 529 0916 WBCH 100.1 MI Hastings, m, "It's important for 0616 WDLT 98.3 AL Chickacaw, 98 Light, m Stereo! you to know that you're listening to WBCH" 2105 WGOL 98.3 VA Lynchburgm r, wx, calls 2120 WCSY 98.3 MI South Haven, Cosy 98, m, cls 0620 WLZW 98.7 NY Utica, Lite 98.7 rm, ads 414 2121 CBW 98.3 MB Winnipeg, CBC, c "Andrew Davis 0800 WAGH 98.3 AL Ft.Mitchell, s. MAGIC 98.3 State conductions the choir at the Toronto Symphony" radio WAGH-FM, State no. 26 heard. 2121 WZRO 98.3 IL Farmer City, Z98, k, "a short ride away, just west of Decatur on Rte 51" 0756 WLVQ 96.3 OH Columbus, QFM 96, rp thru CFMX 2122 WBOG 98.3 NC Mufreesboro, G98, s, call, wx with traffic, weather, local ad 2146 WCEF 98.3 WV Ripley, Great 98, k lcl ad DECEMBER 1990 DX 2146 WCNA 98.3 SC Clearwater, Cosy 98, b, 1 Tr/MS State #28 heard 0641 WLVY 94.3 NY Elmira, 94 Rock, r, stations adress 2200 WLCQ 98.3 VA Clarksville, Easy 98.3, r folo for \$49 ticket pkge for Billy Joel in Buffalo 313 by xmtr site and calls (Sign off likely) 0714 WFCB 94.3 OH Chillicothe, B94, r 2244 WJMR 98.3 OH Frederickton, rm Beatles mx. 2353 WGCO 98.3 GA Jesup, COAST, oldies, 42 deg 0659 CBVE 104.7 PQ Quebec, tm, CBC EE news 819 in Jesup, 0342, Coast 98.3 in again 4 Tr/MS 0800 CFNJ 99.1 PQ Gabriel de Brandon, FM Quatre 0228 WWKT 98.3 SC Kingstree, Magic 98, sj, non ID 1058 Vingt dix neuf, r, calls in French 0312 WHAI 98.3 MA Greenfield rk, calls 0950 WRKZ106.7 PA Hershey, Z-107, k, remote 0630 WRTO 98.3 FL Goulds, Radio el Sol, calls 5 Tr/GW Farthest DX by MS 0650 WTNJ 105.9 WV Mount Hope/Beckley, Country 0711 WLGN 98.3 OH Logan, rk, WLGN news Hits 106, local listeners birthdays 400th catch since April 4, 1990 0731 WWMD 104.7 MD Hagerstown, b. WWMD News446 0734 WPKO 98.3 OH Bellefontaine, r, calls 0800 CBCM 107.5 ON Penetanguishene, CBC tm 0801 WXIR 98.3 IN Plainfield, g, Love 98, 28th catch on MOrning followed by news on 98.3 prev record 18 catches on 99.1 18 Tr 0806 WKXA 100.5 OH Findlay, KX100, rm, nonID 368 0641 WYCL107.5 PA Boyertown, Mix 107.5, call toll 9 Tr.MS

After logging AL on 98.3 I stayed on 983 since MS was popping up if probe was pointed SSW plus the available 100 or more stations on 98.3. Gemenid SHower peaked approx 2200 12/12 with as many as 15 bursts per minute, most strong and short. Glad to reach goal of 400 loggings before year ended. 73 db

442

free at 1-800-926-WYCL

PAUL MOUNT - BOX 126 - LINCROFT, NEW JERSEY 07738

Equipment: Onkyo T9090, Mk II, Archer amp, rabbit ears

NOVEMBER 27, 1990 Tropo

1820 WKLL 94.9 PA Harribsurg, accu wx, Cool 94.9, into "Wipeout", new for call change

1835 WAAF 107.3 MA Worcester, Celtics contest

0902 WBYR 98.9 OH Van Wert, The Bear, oldies

0938 WCMZ 98.3 MI Sault Ste Marie // 91.7 Alpena

1838 WHCN 105.9 CT Hartford, thru WNWK, Lion BKB promo, 106 HCN

1839 WOSR 105.7 MD Catonsville, "Baltimore's Own"

1839 WMRV 105.7 NY Endicott, ID during talk

1840 WRSF 105.7 NC Columbia, spot ment. Elizabeth City 877-0988

Thanks for Rich Shaftan for the tip. He seemed to be doing better with most Boston's in, making up for what he missed on June 17. It was neat that all 3 on 105.7 happened to be in stop sets at same time. No great surprose though, while there are no rules, generally you'll find contemporary stations breaking around :38 and :50 and I think every city has at least one CHR that does its only weather forecast at :45, out of spots into music (Buffalo's Majic 102.5 does do that, Kiss 98.5 at about :35-gc). Tried to get an ID for new 93.7 AC in Hartford but unsure. Nothing great this evening, just nice to have in November.

Around the dials update: CHEQ 101.1 Smiths Falls, Ontario (near Ottawa) has dropped ac for country. They now call themselves "Q-Country". WDKB 94.9 DeKalb, IL is on the air.

NORTHERN FM DX

	Equipment	: McI	atos	sh MR-78 FM Tuner -	\$te	reo Probe	9 Anter	nna	37 feet above gro	und
	October 19					30 MS (No			Savannah/Tifton?	609
	2358 WEJT			Shelbyville- Mattoon-Decatur, of		December :		-	variation, 222 von.	
	8 MS	19.58				0100 WIAV	104.1	sc	Conway	560
	0337 WNOR 9 MS	98.7	VA	Norfolk	551	Ol21 WKGR	98.7	FL	Fort Pierce	926
	0509 unID ???? KCCM			Savannah/Tifton? Moorhead,	609 732		91.1	GA	Savannah/Tifton?	609
	13 tr			Previous Es		9 tr 2132 WHZT	105.9	TI.	Mahomet-Champaign-	-150
	0600 CKNX			Wingham, r\$ Owen Sound, r\$,	330		Heat"		Urbana, r\$	01,1
	"K-	106.5		Canadian nx/wx	500	???? WCIE	91.1	FL	Lakeland	861
	14 tr 0300 WEFG	91.1	SC	Gaffney, g\$	410	13 M8 ???? unID			Savannah/Tifton?	609
	18 MS	DE 3 17				???? unID	91.1	GA	Savannah/Tifton?	609
	0026 WNOR	98.7	VA	Norfolk	551	???? unID	91.1	GA	Savannah/Tifton?	609
	23 tr				2000	???? unID			Savannah/Tifton?	609
		106.7	KY	Berea, k\$	202	???? WSVH			Savannah	609
	23 GW		-	The second secon		???? WABR			Tifton	612
		105.1	TN	Roanoke, pr\$, (now	45		Aret	UA	IIICON	012
		g pro				0600 MANO	89.9	LA	New Orleans, Previous Es	754
			FT.	Fort Pierce	926	???? unID	89.9	22		222
	29 tr	2001	-		,				New Orleans	754
	0202 WDKB	94.9	IL	DeKalb, r\$, "B-95"	213	15 tr	-,-,	-	A ser langua Con a calcula	13.
	November 1	94.9	OH	Fairfield, off air)	0232 WAPQ	98.7 Apple"	OH	Crestline- Mansfield, rp\$	150
	11 MS 0612 WKGR	98.7	FL	Fort Pierce	926	17 MS 0720 KSMU	91.1	МО	Springfield,	472
Æ	23 tr			Crooksville, o\$		18 MS	Talestone Talestone		Previous tr	
				Greensburg)	110	7777 WHAW	88.1	MS	Meridian,	570
				Coal Grove, ads Shelbyville-Indy)	187				Previous Es	212
÷				Marietta, r, ads	210	0840 WMAW	88 1	MS	Manidian	570
	(o/WIMT				210	20 MS			policies results travel hos	3/0
	26 GW 2010 WOME	98.7	IN	Anderson, g\$,	22	22 MS			Reliance-Pierre	780
	27 MS	Squipm	ent	testing		???? KNTU	88.1	TX	Denton, Previous Es	809
	???? KQWB	98.7	MN	Moorhead	732	23 tr			the LDD or more attacks	
		98.7	FL	Fort Pierce	926	0354 WZOO (WMDH	102.5	IN	Edgewood, wx, ID NewCastle, off ai:	265
	29 MS 0354 WNOR	98.7	VA	Norfolk	551	29 MB 2777 KNTU	88.1	тx	Denton	809
	29 GW					30 MS				
	1	first	day	Anderson, gr\$, of broadcast	22	7??? WJIS January 1		FL	Bradenton	892
	(on air 6	a.m.	to	midnight - good!!)		1 tr	207 -	-	controll 49 9 to 3 DKs	-1.0
	???? KTSD			Reliance-Pierre	780	"EZ	-103.5		Christopher- Herrin-Marion, b\$	248
				Savannah/Tifton?			103.5	OH	Lancaster, o\$	160
				and found on tape)	160	(o/WGRR	103.5	OH	Hamilton-Cinci)	

RALPE STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Meteor Scatter Results:

O/ 8 WNOR	"Laura Marple from Hampton	list of some happenings around the KCCM
0/ 9 unID	identified that sound" "Peach State Public Radio"	listening area" 0/18 WNOR "99 WNOR. Now you can" 0/28 WKGR "WKGR Fort"

M/11 WKGR man and woman talking: "...David, we've been dating for what? Fourteen wonderful years. Yeah, I think it's about time we talked about commitment. Aw. here we go again. I'm sorry, uh...in a zone here of some kind. I'm back. love of my life. Why is it we only talk about marriage when you're on your car phone? Well? On your way to the keys, huh? You know, if I didn't know better, I'd think you wanted to get disconnected. What? Bell South Mobility is expanding its calling area to include Key Largo and the rest of the Florida Keys by next February. Polly. I wanta ask you something. Yes, dear? You mean you can hear every word I say now? Yes. I do. Sorry hon. I gotta run. I'll give ya a ring next week. Oh, honey, a ring!? No, a call. I'll give you a call next week. Oh! To find out how you can get crystal clear reception from Jupiter all the way to Key Largo, call Bell South Mobility at 1-800-225-8751. Hey, what's the deal with this reception? It'll be beautiful. We'll have it catered with a string quartet ... " (Edited 90 sec. burst)

N/27 KQVB "...twenty-two years of rockin' might at six right here on Peach State in Fargo-Moorhead ... " Public Radio ..." W/28 WKGR "...KGR..." D/13 WABR "... WXVS Waycross, Valdosta State College, 91.1 WABR Tifton, Abraham N/29 WNOR "...NOR..." N/30 KTSD "...out of state corporation Baldwin College ... " D/14 WWNO "... New Orleans. The time is from South Dakota if ... " unID "...in part by Phyllis and six a.m.... Norman Abramson of Macon ... " unID "...Merry Rock 'N Roll unID "...made possible in part by a Christmas from FM-90 ... " grant from Savannah Foods and Industries. WWNO "...right here on 90-FM WWNO Inc. . makers of Dixie Crystal Sugar ... " D/ 3 WYAV "...Conway-Florence-..."
D/ 5 WKGR "...at 98.7 KGR..." mid-morning ... " D/ 9 unID "...WABR...College - 91.7 WWET Valdosta State College, Valdosta ... " D/10 WCIE "... National Bank, the Tampa International Airport, Marriott Corridor, Edition ..." and that's in Tampa, of course, Admiral Drive, East Admiral Drive ... " D/13 unID "...from the Peach State Network ... " Jackson ... " unID " ... S Waycross ... WABR Tifton Abraham Bal..." unID "...We'll have details on these stories and more coming up in the Georgia news at 8:06..." unID "...LaGrange, Columbus and Saturday ... " South Georgia ... " WSVH "...the American Radio Company and all its marvelous adequacy Saturday (All DX on tape)

New Orleans. The New Orleans weather there is a fog advisory in effect 'til D/17 KSMU "...It's twenty minutes after six o'clock. You're now listening to KSMU Springfield. Coming up next on Morning D/18 WMAW "... In Mississippi headlines. Hinds County District Attorney Ed Peters says he will hold a conference in D/19 WMAW "...WHAW-FM 88.1..." D/20 KTSD "... This is listener supported programming from South ... " D/22 KNTU "...Doug Lyon and.?.right here on KNTU. We'll be back up at 7:30 every D/29 KNTU "...is FM-88 KNTU..." D/30 WJIS "... This is Bob Clark for the Pinellas County right to life committee inviting you to join us in Wash. DC ... "

Letters were sent to WYAV Conway, SC and WSVH Savannah, GA. The station manager at WYAV said, "Yes, that's us - WYAV Conway-Florence-Myrtle Beach." The manager of WSVH said, "The fact that you did hear an underwriting announcement from Savannah Foods. I feel certain that on the day in question, the signal you heard was indeed that of WSVH Savannah." I've heard at least a dozen mentions of Peach State Public Radio or other GA information on 91.1, but how can I tell if it was Savannah or Tifton? As far as I can tell, both WSVH and WABR must simulcast most of the time. However, I did hear three legal IDs mentioning WABR Tifton, and certainly both stations are capable of getting out by MS. Therefore, I have taken the liberty to count both. Can anyone help?

1990 was a good FM year for me. 173 new stations were found. Also note that two new stations were heard on January 1, 1991. This brings my total to 1900 FM signals heard in all. I hope to log 2000 by the end of 1991.

Meteor scatter was average during the Gemenid showers in December. Note that many "off-shower" dates do produce good meteor scatter and IDs at times. There is no way of predicting which days will be good or bad. However, the August and Decembe, meteor showers seem to be best. Let's hope 1991 will also be a good year. 73-Ralph Bill Nienajadly PO Box 2999 Clifton NJ 07015-2999 QTH: Ackerman Ave Clifton

Equipment: A radio, antenna and some wire

December bought crap as far as Im concerned, Instead of E-skip and meteor scatter it was trops to New England and out to Lancaster PA. The meteor scatter was poor compared to last December and I did not observe ANY E-skip, though some did see ES to TV. Temps reached 68 degrees a few days ago, one would think it was April! Anyway here is my DX (its poor!)

12 MS 0215 WDJX 99.7 KY Louisville "JX more music stationJack Andrews back..." 646 13 GW 0601(WYXR) 104.5 PA Philadelphia "Star 104.5'strict" ex WSNI 0645 WXPN 88.5 PA Philly, Freq. change ex 88.9

Hope everyone else had better luck than I did...Hi!

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO NOM 1LO

Equipment: Magnum Dynalab FT-101A with Probe 9 at 27 feet with rotor

THE RESIDENCE OF THE PARTY OF T			
NOVEMBER 1990 DX		DECEMBER 4 TrS	
17 TrS		0830 WAJC 104.5 IN Indianapolis, j\$, good	352
1010 WAAQ 102.3 MI Big Rapids, ID in CKDK	205	8 MS	
1024 WGRY 101.1 MI Roscommon, k\$, Nor.		0013 WCIR 103.7 WV Beckley, 103CIR jingle	390
Michigan's tru country, WRIF nulled 1027 WJNR 101.5 MI Iron Mtn. Home Shopping		0039 WMGM 103.7 NJ Atlantic City, "on Hot 103.7 WMGM with music for John in"	
17 MS		These two are almost too close for MS? (Jeff, I h	ave
1056 CHIQ 94.3 MB Winnipeg, r\$, strong burst about minute and a half long, Winnip	ed	had MS as close as WZPR 100.3 PA, 120 miles 0047 KEYN 103.7 KS Wichita, KEYN FM 104	-gc)469
light rock choice, Q-94	862	goodtime oldies	928
1244 CBW 98.3 MB Winnipeg, \$" CbC Stereo		13 MS	
Winnipeg*	862	0201 KTGL 92.9 NE Beatrice, 38 deg and	
28 Ee		cloudy in Lincoln	824
1656 WAYJ 88.7 FL Ft. Myers, r\$ o/CIMX, good		15 MS	
on TV, only short while on FM	1158	0300 KATF 92.9 IA Dubuque, "KATF"	470
DECEMBER 1990 DX		0330 KESY 104.5 NE Omaha, "in Linclon and	
4 MS		35 here in Omaha"	756
0034 KBIU 103.7 LA Lake Charles, "Bayou 104		the post by Mark and the control of	
will be giving away", prev Es	1107	All makes the same of the same	

Nothing too note worthy this time. A very short Es opening on FM on Nov 28 and a few new loggings via MS during the Geminids shower. Around 1400 on Dec 13 I had Es here with MUF of channel 4, hoping for a repeat of last years opening on Dec. 15. WGOR 92.1 St. Johns Mich. is now using Mix 92.1 for its nonID, it had been "The Ape".

JERRY MONROE KC2UT - 3135 FALLS ROAD - MARCELLUS, NEW YORK 13108

Equipment: JVC tuner, 10 element FM (Radio Shack), 35', misc. preamps, traps., filters (Rotor now OK) CAR: Archer radio now has 2 150 khz filters

DECEMBER 1990

11 Tr

2355 WPHB 105.9 PA Phillipsburg, sign off, back at 6AM 24 Es (Thanx Santa) Classic Country, fair reception 2357 CKLA 106.1 ON Guelph, big band show, back into

Lite Favourites at Midnight

0010 WAEB 104.1 PA Allentown, Lazer 104, Lehigh Vly 0028 WMXW 103.3 NY Vestal, Mix 103.3, EZ classics 0038 WHTZ 100.3 NJ Newark, Z100 Rockin, in and out 0049 CJEZ 97.3 ON Toronto, in Ithaca null, tough 0105 WDLS 93.7 PA Dallas, Interstate Radio Network

Pointed south, PA noted 0230 WSTW 93.7 DE Wilmington, now heard regularly good indicator for trops in that direction

DECEMBER 13 Tr 1915 WZMX 93.7 CT Hartford, The New Mix

1900 unID 88.7, strong station noted while bringing presents back from relatives house. Very short lived.

2310 WRGR 102.3 NY Tupper Lake, Camp Power Station finallly heard in null of WLKA. 2335 WQSU 88.9 PA Selinsgrove, classic rock with a

cutting edge, sign off at 0007 2345 unID 88.9 WVA Public Radio, ID heard, jazz NPR

(Jerry, I'd bet this is WVEP Martinsburg-gc) NEW STATE!

JVC tuner has two 110 khz filters in it with 40 db adjacent channel selectivity. Also put in two 130 khz filters in Car radio. Note: make sure with digitally tuned radios that you replace 10.7 Mhz filter with 10.7s, not 10.67 or 10.73s. Big improvement with both-some local 10.8 Mhz image of 102.9 and 92.1 locals mixing. Narrow filters roll it out! Lots of metero burst noted on 88.9 Mhz, local college stations off air. Received "91" FM Atlas for Xmas, how did I ever DX without it! Good work Bruce. This warm them cold weather makes for good DX, but I would rather enjoy snowy "ski" conditions. Tentative DX-pedition planned for Tampa, Florida in late January, interested?

Go Bills, Jerry

SOUTHERN FMD

Danny Buntin 1312 N. Skyline Stillwater, OK 74075

SOUTHERN FM DX IS FOR REPORTERS FROM: AL, AR, AZ, CA, CO, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT and also DC. Happy DXing in '91!

DIXERS FIND LUCK WITH DECEMBER'S GEMINIDS WHILE ONE HALLS IN TROP FROM 895 MI.

Doug Allen, w2crs, P. O. Box 5646, Woodland Park, CO 80866 Equipt.: Pioneer TX 9800(IF modified) & stacked Stereo Probe 9's at 25' (Stations under 400 miles not reported unless new or remarkable!) 2041 KNID 96.9 OK Enid, ID 2058 KEYN 103.7 KS Wichdita, ID (KNID & Wichita stations can be heard daily and won't be repeated this month.) 12/3 ms & tr s 0722 WGGZ 98.1 LA Baton Rouge, ID, on 3 sec. burst off back on ant.! 0906 KABL 98.1 CA San Francisco, many bursts, occ. IDs 0944 KGUC 98.3 CO Gunnison, faded up several mins. -- best ever! 1141 KBUL 98.1 NV Carson City, "all over NV" 1145 KREC 98.1 UT Brian Head, NIL hrd in several hours. 1238 KSJE 90.9 NM Farmington, NPR,c, "KSJE your classical beacon". 11th NM. 1327 KONM 93.7 NM Gallup, wx & ID, a most wanted 12 NV. 12/4 ms & tr s 0744 KTYR 98.1 AR Osceola, "oldies FM KTYR Osceola' 0805 WZOK 97.5 IL Rockford "97-ZOK", 2 sec. 0816 KAYQt 97.7 MO Warsaw, "...Warsaw your children..." 1005 KIOX 101.3 CO Durango, ID, up 5 mins.!, CO #108 1009 KRSJ 100.5 CO Durango, wx, ID 1030 KRTZt 98.7 CO Cortez, k,to P. Harvey 0822 KIRKt103.7 MO Lebanon, "in the Lebanon area you may contact 532-" HELP! 0659 KTCZt 97.1 MN Minneapolis hrd? "Rocket KTCZ", new nonID? 0746 WMGNt 98.1 WI Madison several mentions of Janesville 0920 KIFM 98.1 CA San Diego, loc.sports 1000 ???? 98.1 ? "the new KICKS 98.1 soft and ... " 1300 KRIC 98.1 UT Brian Head, NIL hrd. in several hours 1304 KWCQt 98.1 MI Saginaw, ment of Tawas Cty 12/7 ms 0752 WCOZ 96.9 KY Paris "the new cozy 96.9," ad, 1111 mi. 0830 WRSA 96.9 AL Decatur, Huntsville ad 1046 mi. 0841 WDDJ 96.9 KY Paducah, "here in Paducah" see 12/13 0945 WWJO 98.1 MN St. Cloud "98 Country" 12/8 ms 0816 KOOL 94.5 AZ Phoenix, "COOL FM"

0650-0730 Good enhancement out to 400 mi.

east; e.g. KYEZ full Q

0740 CBUF 97.7 BC Vancouver, FF, local ad 12/11 tr s-o/Pikes Peak using experimental 6 el. ant. at 3', azimuth 190 degrees, elevation 20 degrees 0858 KANW 89.1 NM Albuquerque, previously from Pikes Peak 0810 KNYNt 95.7 NM Santa Fe, k 1506 KRST 92.3 NM Albuquerque, "Crest Country" 1657 KIDI 103.3 NM Albuquerque, SS 1659 KZRR 94.1 NM Albuquerque, ads & 94 Rock" NM #13 1900 KUNM 89.9 NM Albuquerque, ID, NM #14 2048 XHRLt 98.1 NL Monterrey, SS, this a 5 sec. burst 12/12 ms 0610 KMFY 96.9 MI Grand Rapids, ads 0701 WLRW 94.5 IL Champaign, local news 0730 CKUAt 94.9 AB Edmunton, "Alberta agricultural update" 0752 <u>KIOK</u> 94.9 WA Richland, ads, "OK-95" 1910 KDCY 97.7 TX Coltulla, SS

Now Cowboy Fans Can Hear Play-by-Play From Miles Away.

Hear the entire schedule on KSPI AM or FM beginning with Georgia vs OSU at LSU in Baton Rouge, Feb. 9.

Our new tower provides more power so OSU Baseball Fans as far away as Norman. Yukon, Enid and Pawhuska can tune in to Bill Platt and Rex Holt as they provide playby-play coverage of every game ... home or away.



SOUTHERN FM DX Alle	en, cont. FEBRUARY 1991
The state of the s	1830 WPAD 96.9 KY Paducah, "97 FM WPAD" 881
	1849 WCOZ 96.9 KY Lexington, "new cozy 96.9
0724 KQDY 94.5 ND Bismark, ad, new 568	
state on ms	2310 KYSS 94.9 MT Missouls, ads 714
0737 KLXK 93.7 MN Minneapolis, "Classic	12/14 ms 40 sec. burst
Hits 93.7" 742	
0757 KKRL 93.7 IA Carroll, ID & wx 585	12/16 ms
0801 CBON-22t93.7 ON Geraldton, FF, no other	
possibilities?	12/18 ms
0817 WFCJ 93.7 OH Miamisburg, ID 1100	0749 WDFM 98.1 OH Alliance, ID, Freq. ms DX
0846 KIOK 94.9 WA Richland "OK95" 865	
0906 KSAN 94.9 CA San Francisco, "Bay area	12/19 ms, grdwave
country favorite KSAN" 942	0729 ? 95.5 "Go Rebels from Salt? Time? 95"
0922 KFXD 94.9 ID Nampa, "more music	0746 KNEV 95.5 NV Reno, ad
KF-95* 658	0815 KXL 95.5 OR Portland, road report
0926 KCMO 94.9 MO Kansas City, loc. wx 562	2113 KPBI trans 103.9 CO Dillon? strong to WNW
1014 KIOK 94.9 WA Richland, 30 sec. burst!	10/27 I had KBZE trans. in same direction!?
	2210 KWNR 95.5 NV Henderson, ID

Surprised to get 16 new ones this month! The Geminids shower was productive and peaked on the 13th for me. Also made seven 144 mhz contacts. I'm experimenting with a low antenna to reduce local signal strength. It's presently aimed south over the top of Pikes Peak (elevation about 20 degrees) and sometimes is better than the stacked Probes for bringing in NM tr s. I know several others use a low antenna for Es. Has anyone experimented with elevation for tr s or other modes? Regarding tr s, I am becoming suspicious that the classical tr s model(see p. 22-16 1989 ARRL Handbook) is a gross simplification and that most of the tr s I hear regularly from 400+ miles to the east is not simple tr s occuring from a 5-6 mile scattering volume height as depicted in ARRL Handbood. I speculate that it's more likely a more complex refraction and scattering occuring lower in the troposphere. Why else would I experience frequent good tr s across the continental divide to Grand Junction-Farmington-Gallup-Rock Springs up to 300 miles, but no 400 mile + tr s west that is so common to the east? On the other hand, I am able to work a couple of 400 mile Utah stations on 144 tr s regularly. Another problem with my proposed model is that there would be no 500 mile maximum limit to tr s which many have observed. So much for the propagation conundrums that fascinate me! Sure enjoyed VUD reports in 1990 and corresponding with many of you. Hope everyone has a good New Year including lots of DX. 73.

Keith D. Pugh, 227 Martin St., New Ho Equipt.: McIntosh MR78 tuner, Probe						VERNING AND A	_
11/28 tr	3/10-0	12/13	tr				
1914 WRBH 88.3 LA New Orleans, ID	388			99.9	OH	Kettering	350
1918 WMFC 99.3 AL Monroeville	222				-		1
1921 WLTS 105.3 LA Slidell	360		AAOS	94.9	SD	Aberdeen, "KQAA 94.9	FM"
1928 WWNO 89.9 LA New Orleans						assic Hits, B-101.5"	11
1933 WKNU 106.3 AL Brewton, k, ID	241					ott Thomas at 10:25,	Your
1946 WEZB 97.1 LA New Orleans, "B-97						or the hottest concert	
ph #260-9797						Iron Mountain	
12/1 gw		12/14					
100 WFFN 95.3 AL Cordova, k, ex 92.	9 73					Haysville, calls	
12/8 tr		12/15			***		
1200 WMKZ 93.1 KY Monticello, k,\$, I	D 180			92.7	PA	Martinsburg, "on WJSM	16
12/9 gw/tr	77.7					London, "JBX in Lon	
2245 WJRX 107.9 TX E. Ridge,gr,\$,"RX-	107 75					CHARLES OF STREET	
2302 WKYR 107.9 KY Burkesville, x98.5,				90.3	MS	Oxford, ID	23
12/12 tr		1213 V	WESE	95.9	MS	Baldwyn, over 1cl. WT	WX
300 WMCI 101.3 IL Matton, k, ID	350	1218	WBLE	100.5	MS	Batesville, over WHMA	
ls The state of th		12/19	tr				
3?? KFDI 101.3 KS Wichita, "Just by		2119	KOYE	94.9	TX	Laredo, y95, ads	89
calling 436-1200 and entering catago	ry	2125 1	WACO	99.9	TX	Waco, k, wx	65
KFDIKFDI country club hotline. A	nd					Carthage, TUX99	50
it's your 24 hr. info. source The	KFDI	2135 1	WOHT'	95.5	MS	Jackson, "Hot 95"	27
country club hotline from City Life	and	2200 1	unID	93.9	11	94.1 Carrollton. AL	
the Ranch Handler, KFDI."						Fort Smith, k, ID	45
99?? KDWB 101.3 MN Richfield, "KDWB,	Rich-	2233 1	KITT	93.7	LA	Shreveport, r, ID	46
field, Minneapolis-St. Paul"		2258	KXKZ	107.5	LA	Ruston, ads	33
gw(new/air)		2305 1	KBYO	104.9	LA	Tallulah, ads	31
1828 WJOR 101.5 TN St. Joseph,g,\$	75	2311	KPXI	100.7	TX	Mount Pleasant, ID	50
mci		2327 1	WCLD	103.9	MS	Cleveland	
2349 WXHT 99.9 PA Easton, "In Allento	wn"	2348	KIKK	95.7	TX	Houston, Kick 96FM	62
12/13 tr		2356	KNUE	101.5	TX	Tyler, k, ID	530
D6?? WPAY 104.1 OH Portsmouth	340	cont.					

SOUTHERN FM DX	Pugh, cont	FEBRUARY	1991
12/20 tr 0003 KOOI 106.5 TX Jacksonville 0026 KJCS 103.3 TX Nacogdoches, wx 0030 KSCS 96.3 TX Ft. Worth, k, ID 0031 KUUZ 95.9 AR Lake Village, ID,	530 0120 KI 620 0122 KI 310 0133 KI	IX 103.9 AR Fayetteville, "KIX 104 IAN 106.1 LA Monroe, "Magic 106" PEZ 102.3 TX Austin, "Z-102" IGC 102.9 TX Dallas, "Magic 102"	370 602
0039 KHFI 96.7 TX Austin, "K096.7", ID, (ex-98.1)	rs, 0143 KI	TH 107.1 AR Marion, ads <u>crs</u> (WOCG Huntsville off)	230
0051 KLBJ 93.7 TX Austin, ID 0055 KXIX 102.9 AR Sheridan, "KIX 103	710 1500 W	PR 90.1 SC Greenville, ID	215
	1500 W	IPT 102.9 AL Linden, s,\$	175

The normally annual Dec. Es was a no show for 1990. At least there was a very nice trop opening on Dec. 19 & 20 to fill in. KOYE Laredo was near my personal trop record. A far as distance, this is the best Dec. trop I've received, though most signals were quite weak.

Proposed Sporadic E skip Study

How frequently have you said to yourself or seen written in VUD, "why, why these same pests every opening." When TV or FM DXing most of us have probably noticed that certain stations (pests) show up all too often. I've noted many queries in VUD as to why this should be so. One reason is that the layer of ionization, whether for Es or ms, is most often around 50-60 miles in altitude. If you've been DXing very long, you've already ID'd most of the stations that will skip in when ionization takes place at that level. Less often, ionization takes place at higher or lower altitudes allowing for unusual skip distances (density of ionization also plays an important role as may other factors). For instance, the high velocity meteors of some showers may cause ionization at 70-75 miles allowing for 1400 mile plus reception.

why your E skip pests are so often from the same geographic area is harder to explain. It is known that some areas experience more E skip than others. For instance, it is common year round near the equator. And Pat Dyer in San Antonio reports far more E skip than those at higher latitudes (possibly because he is a far better observer). There have been many attempts to explain sporadic E, the current favorite being wind shears that occur in the stratosphere. For several years a popular theory was that thunderstorm activity in the higher troposphere somehow induced sporadic E activity. Many still believe that tropospheric events may have some correlation with sporadic E.

If indeed. many of us receive pests from the same geographic area and not just the same approximate distance, and if this is a function of the location of sporadic E "cloud" formation and not the fortuitous location of certain stations relative to our location, then we DXers might make a contribution to understanding E "cloud" formation. What I am saying is that it is possible, though unlikely, I think, that there are certain "hot spots" where E "clouds" seem to form. It has been many times demonstrated on 144 MHz that by mapping paths, the E "cloud" formation is approximately half way between you and the received station. I want to use this path mapping technique for a different purpose—to see if indeed your pests represent something unsporadic about sporadic E, namely, that "hot spots" occur regularly in certain geographic locations.

We can do this by making a graph of our pests and indicating the midpoint where the E "cloud" was. If many of us do this, and the paths are superimposed on a single map, we might find out that the midpoints of paths to our pest stations occur in specific geographic areas, "hot spots" for E "cloud" formation. If a consistant pattern of "hot spots" is observed and if we can rule out other factors (which will be a very difficult task) we will then be in a position to try to correlate meteorlogical, geographic, or other possible tropospheric or stratospheric events that influence E "cloud" formation.

I would be happy to provide a free grid map and instructions if you send me an SASE. Plot the paths of your E skip pests on the map and return it to me. I will superimpose all your individual maps on a single map which we will publish in VUD. If it appears there are hot spots," we will attempt to get more specific information and rule out other factors! Here's something we as DXers can do to possibly further the understanding of E-skip propagation! There's not much DX happening on the bands right now, so you have plenty of time to take part in this study. It will only take a few minutes of your time. This study will have little value unless there are many contributors. Even if we don't find "hot spots," it will be a contribution to understanding E-skip propagation, another indication that it is, indeed, sporadic!

Doug Allen PO Box 5646 Woodland Park CO 80866 "PATTERNS"

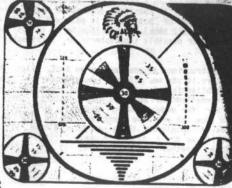


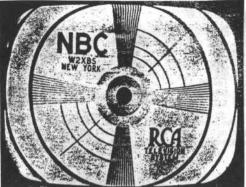
Edited by Tom Bryant 849 Todd Preis Drive Nashville, TN 37221



[ABOVE]——All test signals had two things in common; a circle to determine linearity. and 'whiskers' to judge resolution. Some stations added call letters, city and channel. Others such as WPTZ in Philadelphia loaded their patterns with artwork.

[BELOW]---This pattern was widely used in the U.S. and Canada. It was commonly known as the 'Indian Head'. Many stations modified it, replacing the Indian with their call letters. In this picture the right edge was purposely derkened to demonstrate an alignment problem





[ABOVE]—Early test pattern of NBC/RCA experimental station WZXBS. This was likely used between 1928 and 1941.

[BELOW]—After regular programming began, WZXBS became WNBT (as seen in this test signal copyrighted in 1941.) In later years the NBC 'flegship' station on channel 4 in New York changed call letters again to the current WNBC-tv.



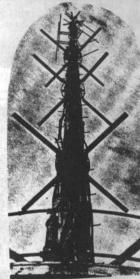
"TIME TUNNEL' thanks Eric Voytko of McLean, VA for the loan of two. books published in the mid-40's containing the illustrations featured this month in 'PATTERNS'. Many VUO readers don't remember anything other than color bars being used as test signals. Take it from a 36 year dx-veteran..it was a lot easier to IO stations with the old patterns than it is now. Many were quite distinctive, and virtually all had large, bold call letters that were easily identified under the worst of reception conditions.

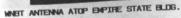
TIME TUNNEL -- 'PATTERNS' -- page 2





FELIX THE CAT BECAME FAMOUS AS ONE OF THE FIRST IMAGES SEEN ON TV. THE LEFT PICTURE IS SCANNED ON 60 LINES; THE RIGHT ON 342 LINES.







THIS PATTERN RESEMBLED AN ARCHERY TARGET AND WAS USED BY WOBS-tv AND MANY OTHER OBS AFFILIATES.



MANY STATIONS USED PATTERNS SIMILAR TO THE TYPE SHOWN HERE WITH WPIX CALL.



WCBW 'SIDE-MOUNTS' ON CHRYSLER BLDG.

PHOTO NEWS FEBRUARY 1991

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Starting off is Jeff Kadet - Macomb, Illinois for equipment see December 1990 VHF-UHF DIGEST page 3.

K68BJ Redwood Falls, Minnesota 365 mile tropo August 31 1990

at 0641 CDT

There well be more photos from Jeff in the next column.



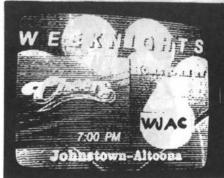
Next our my DX photo from late last year. Equipment see January 1991 column.

> CFKS-30 Sherbrooke, Quebec 350 mile tropo seen October 30, 1990 at 0844 EST

Cleveland, Ohio
198 mile tropo
seen November 22 1990
at 2100 EST

WJAC-6 at Johnstown, Pennsylvania 181 mile tropo seen November 22 1990 at 1830 EST







Till next time

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