FromTheSTAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

GET READY FOR DX!...It's finally April. This month is the usual start of the TV/FM DX season for most of us. Tropo activity is going great down along the Gulf of Mexico by now, and by mid-to-late month, we should be seeing the first signs of E-skip activity. The "old-timers" seem to be predicting a great year, but it really is a bit too early to tell for sure; but, be prepared for DX!

CONVENTION '84 IS TAKING SHAPE...The summer's WTFDA club convention promises to be a great event, with tentative tours of a cable-TV headend site, a TV station, an FM outlet, and maybe even an AM broadcast facility. The Jamestown, NY hillton location of the convention site is a great place to watch DX openings from—and at the time of the year we'll be having our outing (August 3rd to 5th), there should be some great DX conditions on FM and TV. Watch for more info!

NEW STATION OSL REPORT FORMS NOW AVAILABLE...Order yours today! Completely re-designed by VUD technical editor Tim McVey, these forms can help you get verifications from stations more easily, due to an eye-catching style that's concise and to the point. They are still available at the old price of 50 sheets for \$2.00.

TV STATION GUIDE PROJECT UPDATE...To clear un any confusion about a forthcoming edition of the WIFDA TV STATION GUIDE, keen in mind the fact that we have given first priority to the introduction of a new UHF TRANSLATOR GUIDE, which according to your letters, is more greatly needed at the present time. We also have to determine how many of you are willing to buy a new edition of the TVSG. In the meantine, many different suggestions have come in on the format of the new TVSG. Bill braeb is at work on the rough draft of the new guide, and we are passing your suggestions on to project co-ordinator Morrie Goldman. In coming weeks, when Bill Fahber's work on the new UHF TRANSLATOR GUIDE is complete, we'll have an idea on a release date for a new TVSG. Remember, this is a volunteer effort, and takes time to be done well.

ALL-NIGHT STATION LISTING SCRAPPED...A very poor member response has forced Jeff Kadet to drop his proposed list of all-night stations on class A and EFM frequencies. What is really amazing to us is that at the same time, we receive a lot of member response for relatively trivial matters ranging from the color of the VUD cover to whether or not members' station totals should appear with DX reports! It's too bad, because this list could have been a boon to latenight FM DXers. We urge you all to give your support to such projects in the future.

This month's cover was sent to us by Tim McVey. Once again, by popular demand it's: Mississippi's ETV Stations!

ELEVISION NEWS Bill Fahber, editor 336 Atlantic Street Bridgeton, NJ, 08302

Broadcasting of Texas. Inc.

1		VŁ		WS					(FCC Review Board Decision, confirming an earlier decis-
APP	LICAT	IONS	FOR	NEW TELEVISION STATIONS					ion granting a CP back in
CH	ERP	TAAH	STA	TE/CITY/APPLICANT	4		0.00		July. 1983.)
40	1000	532	WI	Superior; Dan Mahoney	0	5.13	2509	HI	Kailua-Kona; Mauna Kea Broad-
63	5000	651	FL	Boca Raton; Palm Beach County	-1				casting Company
				Educators Broadcasting Co.	-	4950			Hutchinson; Way of the Cross
44	1000	468	MS	Greenville; Delta Telecasters	2	100	979	TX	Denton; Denton Channel Two
				Norman; High Definition Tel'n	7566				Foundation (initial decision)
				Norman; KUSA Brewer's Broadcg	47	96	513		Tuscumbia; KADD Communications
				Norman; Powell Community Tel.	14	86.1	884	GA	Rome; Rome Television, Inc.
				Norman; Dorothy A. Vaughn	3	93.8	170	NM	Gallup; McKinley County Tel'n
				Norman; Women in TV Ownership	55	4999	461	NY	Amsterdam; G&M Broadcasting
40	4100	227	OIL	and Management	64	12.4	318	NC	Kannapolis; Community Action
38	5000	1/05	TX	Corpus Christi; Way of the					Television (initial dec'n)
,,,	2000	1405		Cross of Corpus, Inc.	35	1122	1098	PA	Philadelphia; Independence
61	256	1/30	CA	Barstow; William R.Stinchcomb					Public Media of Philadelphia
				Dover; Delaware Citizens Com-	26	3000	153	CO	Pueblo; Arapahoe Silent Majo-
24	14.0	200	DE		220				rity. Inc.
		252		mittee (of WDPB fame)	32	146	4	HI	Honolulu; The Allen Broad-
	117			Bad Axe; Delta College	-	1.40			casting Corporation (The
				Burlington; Adelphi Broadc'ng					tower will actually be 500'
48	1888	1107	NJ	Burlington; Burlington Broad-					high. Because of the nearby
				casters, Ltd.					
48	5000	1079	NJ	Burlington; B'ton 48, Inc.					volcanoes and the FCC's meth-
30	5000	930	NC	Wilson; Wilson Media Ltd.					od for determining HAAT, or
30	5000	930	NC	Wilson; Bland Communications					height above average terrain.
30	1000	1000	NC	Wilson; Wilson Telecasters					Hawaiian stations have low
				Richland; Washington State U.					figures for HAAT, sometimes
				Carolina; R. y F. Broadcasting					even below average terrain.
				Paducah; Johnny G. Box					A similar situation exists in
	195	276		Bad Axe; Central Michigan U.					mountainous areas.)
12	172	210	MT	(this was returned by the FCC)	63	5000	1998	IA	Des Moines; Des Moines Cen-
20	FOOO	050	NO	Wilson; Elcom, Inc.				N 75.71	tral Communications, Ltd.
					38	12/3	614	MT	Mount Clemens; Adell Broad-
				Lake Dallas; Gordon McLendon	-				casting Corporation
				San Luis Obispo; Channel 33	49	759	850	NV	Buffalo; Bison City Televis-
				San Luis Obispo; Obispo Tel'n	47	127	0,0	***	ion 49 Limited Partnership
33	697	1600	CA	San Luis Obispo; Pacific		100	111	mv	
				Television, Ltd.	277	100	441		Fort Stockton; M&M Telecast'g
33	5000	1412	CA	San Luis Obispo; Sainte		5000			Laredo; Panorama Broadcasting
				Broadcasting Corporation	10	13.7	219	WI	Manitowoc; Hiawatha Valley
33	5000	1639	CA	San Luis Obispo; San Luis			****	-	Communications, Inc.
				Obispo Telecasters	30	12/6	1127	PR	Bayamon; Caribbean Broadcast-
50	5000	2000	FL	Tampa; Gary E. Willson					ing, Inc.
				New Orleans; Dorothy A. Vaughn	co	NSTRII	CTTON	PE	RMIT CANCELLED
				Barstow; Sunbelt Television		UTET	_TV	ch	19 Albany (ves greated s
	,000	.41.2		(amended)	UA	WOLL	-14,	dn.	19, Albany. (was granted a permit 7/31/1978, nearly six
10	5000	377	T.A	New Orleans; Crawfish Commu-		COUR	Gruet	You	permit //31/19/8. hearly six
47	2000	211	MA	nications	_	year	s ago)	
10	2000	600	TA		AP	PLICA	TIONS	DT	SMISSED
				New Orleans; Lynett R. Dovcett	1				ch. 15; Haynes Communications
49	3980	221	LA	New Orleans; Powell Community	-	Comp		.,	one to increase communications
1		To a second of		Television	vv			10.	ch. 69; John H. Leland
49	4100	577	LA	New Orleans; Women in TV Own-	n.r				en. of, John H. Deland
				ership and Management	mv		urned		b 25. 2
33	100	1482	CA	San Luis Obispo; Community	IA				h. 35; Commanche Broadcasting
				Media Corporation					Board decision)
33	2050	1456	CA	San Luis Obispo; Cuesta Com-	CA				59; Alden Communications Corp;
200				munications Corporation	1	Sang	er Te	lev	ision, Inc. (specified Sanger
33	4764	1486	CA	San Luis Obispo; Second Local		as c	ommun	ity	of license)
	4 4			Power Television	FL	Lake	land;	ch	. 32; Mid Florida Telecasters,
	A STATE OF THE STA		200.00	Company of the Compan					Broadcasting. Inc.
CO	NSTRU	CTION	PE	RMITS GRANTED: NEW STATIONS	PA				h. 8; Group for the Advance-
18	974			Farvell; The Best Bc'g Co.	1				wision Service, Inc.; Johns-
	813			Sanger; Sanger Telecasters					Television, Inc.; Johnstown
				Lakeland; Lakeland Public					ompany, Inc.
	100000		1	Interest Telecasters	W				ch. 11; National Communica-
8	100	1127	PA	Johnstown; Laurel Television					ates of West Virginia.
				Kerrville; Hispanic American	100				3; TV3 Partners.
35	4315								

CA Arcata; ch. 23; Women's Broadcasting of Arcata, Inc.

HI Kailua-Kona; ch. 6; Manulele Broadcasting. 17 103 538 OK Bartlesville: KDOR LA New Iberia; ch. 36; K-J Broadcasting, Inc. 18 750 2783 PR San Juan; WSJU MT Havre; ch. 9; Apocalypse Television

TX Odessa; ch. 36; Odessa Junior College District.

TX Flower Mound; ch. 2 (Denton assignment); Public Communication Foundation for North Texas. (Initial decision; the FCC had questions about their motives to serve Flower Mound rather than the cities of Dallas and Fort Worth.)

IN Bloomington; ch. 63; Hoosier Tele-Media Partnership.

LA New Iberia: ch. 36: Way of the Cross of Baton Rouge.

WV Charleston; ch. 11; Greater Kanawha Valley Broadcasting, Ltd.

NC Kannapolis; ch. 64; Focus Television Co.

AL Tuscumbia; ch. 47; Powell Broadcasting. GA Rome; ch. 14; Marilyn M. McMullan; North Georgia Television. Ltd.

IN Hammond; ch. 62; Cafricam Television. Inc. NM Gallup; ch. 3; Nathan R. Berke.

NY Amsterdam: ch. 55: Henry C. McCall.

VA Virginia Beach; ch. 43; Atlantic Telecasting. Ltd.; Ocean Broadcasting Corp.

NV Las Vegas; ch. 15; Dan Mahoney (returned, mainly because of fictitious TL, no coordinates, no antenna height AG or ASL, etc. I expect two more of his to be returned soon.)

CA Arcata; ch. 23; Pentreed, Ltd.

CA San Francisco: ch. 38: Together Media Ministries.

CO Fort Collins; ch. 22; Women's Broadcasting of Fort Collins.

GA Brunswick; ch. 21; CMM Inc.

PA Philadelphia; ch. 35; Community TV of Philadelphia. MI Bad Axe: ch. 15; Central Michigan Univer-

sity (returned). AR El Dorado; ch. 18: Noe Enterprises, Inc.

HI Honolulu: ch. 5: Abell Communications.

IA Des Moines; ch. 69; Family Broadcasting. MI Mount Clemens; ch. 38; APW Enterprises, Inc.: Southeast Michigan Corporation: Michigan Channel 38, Inc. (specified Warren, MI, as proposed community of

license.) NY Buffalo: ch. 49: Unific Broadcasting of New York.

TX Laredo; ch. 27; K-Rio Broadcasting Co. Inc PR Bayamon; ch. 36; Church Faith Is the Victory.

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS 61 n.c. 1692 CT Hartford; WETG 18 750 2783 PR San Juan; WSJU 56 2493 853 KY Danville; WDKY-TV

43 1350 820 NY Syracuse; WFWY 28 2667 799 SC Hardeeville: WTGS

26 690 756 AL Florence; WTUK

14 5000 1010 SC Greenville; WXIV-TV

CONSTRUCTION PERMIT MODIFICATIONS GRANTED 23 1666 1033 IL Decatur: Decatur Foursquare

21 400 1158 NV Las Vegas: KRLR

20 3516 1611 WA Tacoma: KOFB

APPLICATIONS TO CHANGE EXISTING FACILITIES 7 78.2 952 AK Anchorage: KAKM (LIC MOD) 7 316 915 FL Jacksonville; WJCT (CP MOD) 36 550 625 RI Providence; WSBE-TV (LIC MOD) 53 883 679 CT Norwich; WEDN (listed as CP MOD, but I have no record of

an earlier CP) 50 123 1004 IN St. Johns: WCAE (CP) 40 2570 1020 SC Anderson; WAXA (CP)

19 5000 1740 SC Columbia: WLTX (CP) 13 187 1690 CA Eureka; KEET (CP MOD)

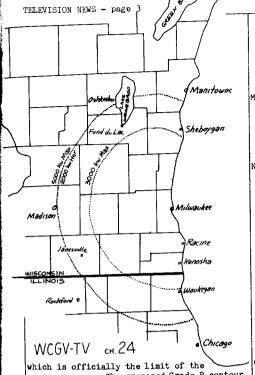
51 2000 440 NE Lincoln; KGNQ (LIC MOD)

FACILITIES CHANGES GRANTED BY THE FCC WI Green Bay; ch. 26; WLRE. A few corrections need to be made on the information reported in the 2/84 VUD. Somehow I got the existing coordinates of WLRE mixed up with coordinates of WFRV-TV, which is 3.51 miles NNW of WIRE. Actually, the new tower is only 50' NNE of its old tower. later check of the coordinates shows that they are the same coordinates for both. which agrees with a report by Bill Draeb. Bill says that it was operating at 501 kw before increasing to 2500 kw. not 93.3 kw as I reported. Actually, they were still licensed for 250 kw, and received a PTA (Program Test Authorization) back in 1/17/ 1983 to operate at 501.27 kw. They could still have been operating at 501.27 kw at the time they changed over to the other tower. The 93.3 figure was also erroneously taken from WFRV-TV. I also need to correct myself on the change in antenna height: It is 485' higher than the earlier transmitter. Sorry for the misonformation, and thanks to Bill Draeb for pointing it out to me.

Instead of simply reporting changes in the stations listed here. I have been trying to predict what changes would occur in coverage areas. There have been a few cases, such as WCGV-TV. channel 24 in Milwaukee, where the maximum ERP has decreased, but the horizontal ERP actually increased. I had been operating on the basis that increase in the horizontal FRP meant increase of the coverage area. This assumption may be wrong, and I am willing for somebody with more knowledge to comment. I had the opportunity on 2/29 to visit the

FCC in Washington, D.C., along with Tom Yingling and Don Blevins. While there, I decided to check out the situation with WGCV-TV's coverage maps. These maps would be a tremendous help, if only I had regular access to them.

Sure enough, the newer coverage map of WCGV-TV showed a greatly reduced coverage area as a result of the change. On the sketch on the next page I compared the coverage area before and after. The curved line represents the Grade B contour (64 dBu).



coverage area. The proposed Grade B contour, indicated by the "3000 kw max," is roughly the same as the existing Grade A contour, or 74 dBu. Obviously the 5000 kw max figure must have been used in determining the present Grade B contour. The proposed change would then result in a smaller coverage area.

IA Ottumwa (IA)-Kirksville (MO); ch. 3; KTVO; reduce power from 100 kw to 84 kw; 1973' AAT/2000' AG/2740' ASL (about 900' higher than existing antenna); coordinates 40013139"/92001'05.5"; TL 1.9 miles north of Kirksville on Hwy 63 (30.5 miles southeast of present site) FCC Review Board decision to grant this CP after a contest over the original grant in 7/11/83.

CA San Bernardino; ch. 24; KVCR-TV; changes became effective 11/22/83. Power increased from 5.57 kw to 1318 kw max/991 kw hor.; 1673' AAT/215' AG/3166' ASL (about 1988 higher ASL than previous site); 1.5 miles northeast of Box Springs, or 8.66 miles south southeast of previous TL. (CP MOD)

WV Grandview; ch. 9; WSWP-TV; change ERP from 316 kw to 316 kw max/290.4 kw hor (circular polarization); no change in antenna height or location. (CP MOD)

IL Springfield; ch. 55; WRSP-TV: Confusing reference information here, has STA granted with same data as an earlier STA which was granted9/24/82 when it had the call letters WBHW. The station has a CP to increase ERP from 1556 kw to 2000 kw max (directional), and to raise the HAAT from 466' to 1442'. I would have expected the STA to have been for that. Has any body noticed an increase in signal strength recently?

MI Detroit; ch. 56; WTVS; as of 1/13/84, the ERP increased from 955 kw max/617 kw hor to 1850 kw max (directional): 959' AAT/1053' AG/1751' ASL (2' higher than before; if anything, it will just be harder for the pigeons to fly to the top.) Increased ERP should result in larger coverage area. (CP) NY New York; ch. 4; WNBC-TV joined the parade of radio and television stations which have marched from the Empire State Building to the World Trade Center, led by King Kong (about whom we will have more to say later) ERP reduced from 30.2 kw max/25.7 kw hor to 17.54 kw max. (New York City VHFs, by the way, don't operate with anywhere near the maximum allowable ERP permitted by the FCC.); 1688' AAT/ 1762' AG/1738' ASL (247' higher); Coordinates 40°42'43"/74°00'49"; TL to North Tower of World Trade Center. 2.9 miles SSW of previous site. Change took place 1/8/84, but don't expect any difference in signal strength. The stations that are moving to the World Trade Center are only looking for greater height so that they can save energy and money. They aren't looking for expanded coverage eress.

A Visalia-Fresno; ch. 26; KMPH; proposed increase from 2950 kw max/363 kw hor to 3311 kw max, which won't be a lot of difference if you go from the 2950 figure. 2518' AAT/375' AG/8283' ASL (that's 2361' higher ASL than existing, but because the new site will be in higher terrain, it will be only 212' higher AAT. But since AAT concerns only a limited distance, the ASL difference should make for much better DX.); Coordinates 36°40'02"/118°52'42"; TL on Big Baldy Ridge, Sequoia National Forest, 6 miles southeast of Wilsonia (or 26 miles, slightly west of due north, from its present TL. Increased antenna height. increased power, and move of TL to the north should greatly improve reception in that direction. (CP MOD)

KS Garden City; ch. 13; KUPK-TV; to increase ERP from 87.1 kw to 225 kw max.: 870' AAT/ 847' AG/3687' ASL (34' higher at the same TL, even though the figure for ERP is unchanged); Increased power should expand coverage area somewhat. (CP)

coordinates 33057157"/117016'53"; TL about NC Charlotte; ch. 42; WTVI; increase ERP from 214 kw to 1423 kw max.; 461' AAT/500' AG/ 1180' ASL (only 8' higher); same TL (CP) OR Medford; ch. 5; KOBI; change 60 kw to 60.3

kw max (directional); 2700' AAT/128' AG/ 5391' ASL (14' higher); Same TL. Change took place 1/10/84. (LIC MOD)

CA Santa Rosa; ch. 50; KFTY; 3084' AAT/144' AG/4454' ASL (13' lower); aural ERP change only. (CP MOD)

TEI	EVISION NEWS - page 4				APRIL, 1984
ND	Minot; ch. 6; KSRE; aural change only;	18	KJTL	TX	Wichita Falls; Thornberry Tele-
	HAAT change from 1070 to 1060' probably				vision, Ltd.
	from recalculating. (LIC MOD)	57	WJAN	ΜŢ	Janesville; Janesville Bc'g Co.
OR	Klamath Falls; ch. 2; KOTI; Granted CP				(former call letters of ch. 17
	modification, and again, I don't know if				in Canton. OH. Do I detect a little bit of trafficking?)
	this station was operating under the	59	KMSG	CA	Sanger; Sanger Telecasters, Inc.
	technical data of its license or its				San Sebastian; Caribbean Broad-
	original construction permit. I suspect	_			casters
	that this is a last minute alteration. known in the engineering profession as an	-	T T DOWNER	-	
	"as-built," in the final stage of con-				ASSIGNED: NEW STATIONS Waco; Focus Broadcasting of Waco
	struction. The CP MOD merely alters the		KWKT		Madison; Center City Broadc's
	1 1 1 1 1 0 1 0 0 1 1 1		WKKF		Anderson; Indiana Telecasters
	16 feet. Assuming that to be the case.		KEEH		Des Moines; Des Moines Central
	it would seem more realistic to compare	-			Communications, Ltd.
	the CP MOD with its licensed data. ERP	33	KOBQ	KS	Wichita; Wichita 33 Ltd.
	to increase from 13.5 kw to 35.5 kw max.;		KMKO	OK	Muskogee; Hasler Productions
	2201' AAT/153' AG/6566' ASL (1017' higher				Hot Springs; Razorback TV Bc'g.
	than existing); coordinates 42°05'48"/	16	KONN-TV	WA	Everett; Kong Family Television
	121037157"; TL to Mount Stukel, or about				(According to a recent article
C A	13 miles southeast of existing site. Salinas; ch. 8; KSBW-TV; ERP to be reduced				in USA Today, which mistakenly
оп.	from 240 kw to 162 kw max/155 kw hor;	1			cited the call letters as KONG, The owners of KING-TV in Seat-
	2948' AAT/1590' AG/4080' ASL (752' higher				tle are upset that there may be
	ASL); Coordinates 37003'30"/121046'33";				confusion between the two sta-
	TL in the Santa Cruz mountains, about 9	1			tions. To make things worse.
	miles north of Watsonville (26 miles	l			KONN-TV plans to go on the air
	northwest of present site).(CP)	1			on 6/1/84 with the 1933 version
\mathbf{IL}	Carbondale; ch. 8; WSIU-TV; 890' AAT				of "King Kong.")
01/	(Probably recalculated). (LIC MOD)		WHLT		Hattiesburg; WLHT
UK	Ada; ch. 10; KTEN; ERP to change from		WETG		Hartford; Arch Communications
	316 kw to 316 kw max (directional); 1460' AAT/1405' AG/2285' ASL (566' higher ASL);	[18	WRES	FL	Cocoa; Glorious Church of God
	Coordinates 34°21'34"/96°33'34"; TL near	22	IIIIDD	тат	in Christ, Inc.
	Bromide, Oklahoma (38 miles, slightly		WHBR KSHQ		Pensacola; The Harbour Bc'g. Kailua-Kona; Mauna Kea Broadc'g
	east of due south, from present site.).		KTFJ		Hutchinson; Way of the Cross
	(CP)		WEKT		Paintsville; Hometown Televis'n
OR	Portland; ch. 10; KOAP-TV; ERP to incre-		KUSM		Bozeman; Montana State Univ.
	ase from 60.3 kw to 316 kw max (direction-	17	KMSO-TV		Missoula; James A. Bender
	al); 1740' AAT/1081' AG/2049' ASL (814'	16	KSBN	NE	Scottsbluff; Dakota Broadcast'g
	higher); 45°31'21"/122°45'08"; TL to 262	23	WNEQ-TV	ΝY	Buffalo; Western New York Pub-
	N.W. Miller Road, Portland (3.5 miles				lic Broadcasting Association
	northwest of present site); Increased ERP				Akron; Rhema Television Corp.
	and antenna height should increase coverage area. (CP MOD)	23	KIAB-TV	TA	Garland; International American
OK	Ardmore (OK)-Sherman-Denison(TX); ch. 12;	55	มหายพทบ	uт	Broadcasting Company, Inc. Kenosha; Midwest Broadcast
OIL	KXII; changes took effect 2/16/84; ERP	ررا	MICTION-IA	# T	Associates, Inc.
	changed from 214 ky to 222 ky: 1777' AAT/	7	KSEV	AK	Fairbanks; Channel 7 Broadc'g
	1694' AG/2584' ASL (756' higher); coordi-		KPOL	ΑZ	Tucson: JP Communications
	nates 34001'58"/96048'00"; TL 5 miles SSW		KBFD		Honolulu; The Allen Bc'g Corp.
	of Madill (0.6 mile south of present		WMFP		Lawrence, MFP Corporation
	site); higher antenna should improve	49	WBKL-TV	NY	Buffalo: Bison City Television
	signal strength. (CP)]			49. Limited Partnership
٧Ţ	Charlotte Amalie; ch. 12; WTJX-TV; proposes change of ERP from 31.6 kw to 29		KJTB		Laredo; Panorama Broadc'g Co.
	kw max. 1476' AAT/111' AG/1585' ASL (25'		WOTE		Bayamon: Caribbean Broadcasters
	lower); same TL. (CP)		KLNL LTCG		Nacogdoches; KDOG
_			WOQB		Waterloo; The Independence Bc'g Parkersburg; Parkersburg Family
	LL LETTER APPLICATIONS: NEW STATIONS	Γ΄			Television
	C.L. STATE/CITY/APPLICANT	22	WTAH	WI	Oshkosh; Eternal World Communi-
33	WHBR FL Pensacola; The Harbour Broad- casting Corporation	1			cations
25	WXXV-TV MS Gulfport; Four-0, Inc.	CA	I. Leron	R A1	PPLICATIONS: EXISTING STATIONS
	KMKO OK Muskogee; Hasler Productions				Los Angeles; KNXT
55	WKRW-TV WI Kenosha; Family Television 55		WBKZ		Angola; WXJC-TV
	WEKT KY Paintsville; Hometown Telev'n		WPBS		Athens; WGTV
- 2					

CALL LETTER CHANGES GRANTED: EXISTING STATION AK Anchorage; ch. 4; KTBY (reported last 17 KGET CA Bakersfield: KPWR-TV 32 WXGZ-TV WI Appleton: WBUO 9 KUSA-TV CO Denver; KBTV 46 WGNX GA Atlanta; WANX-TV 27 WTCT IL Marion; WDDD-TV MULTIPLE-CITY IDENTIFICATION GRANTED NC WTVD, ch. 11, Durham, to identify as Durham-Raleigh-Fayetteville. ADDITIONS TO THE TABLE OF CHANNEL ASSIGNMENTS TX Austin: add 54z NM Albuquerque: add 41+ TN Nashville: add 58+ WI Fond du Lac: add 68z FL Miami: add 35z TN McMinnville: add 33+ RI Block Island: add 69-STATIONS ON THE AIR FL Fort Walton Beach; ch. 53; WPAN; began 2/14/1984; 3088 kw max: 722' AAT/686' AG/ 732' ASL (as per BMPCT830907KE): coordinates 30°24'09"/86°59'35"; TL about 23.2 miles west of the center of Fort Walton Beach (as per BPCT820502KE). (That's about 14 miles due east of Pensacola): Address: Fort Walton Beach Broadcasting Corp. . 11 Tupelo Avenue SE, Fort Walton Beach, FL. 32548. IN Indianapolia; ch. 59; WPDS-TV; began 2/1/1984;2350 kw max; 992' AAT/1004' AG/ 1814' ASL: coordinates 39°53'20"/86°12' 07": TL 2350 Westlane Road, Indianapolis; address: USA Communications Inc., 1440 North Meridian, Indianapolis, IN, 46202. OR Medford; ch. 12; KDRV; began 2/26/1984; 190.5 kw; 2690' AAT/171' AG/5434' ASL; coordinates 42°41'33.8"/123°13'44.4"; TL King Mountain, 31.4 miles northwest of Medford: address: Sunshine Television Inc. 1050 Knutson Drive, Medford, OR, 97504. TN Nashville; ch. 30; WCAY-TV; began 2/18/ 1984; 5000 kw max; 1415' AAT/1217' AG/ 2017' ASL; coordinates 36°15'50"/86°47' 38"; TL i mile south of the intersection of Route 124 and Old Hickory Boulevard; address: Television Corporation of Tennessee, 300 Peabody, Nashville, TN, 37210. WI Suring; ch. 14; WSCO; began 2/22/1984; 200 kw ERP; 622' AAT/ 557' AG/ 1497' ASL: coordinates 44059130"/88023155": TL Hwy. 32. 1.7 miles northwest of Suring; address: Northeastern Wisconsin Christian Television Inc., Box 414, Hwy 32, Suring, WI. 54174. CO Glenwood Springs; ch. 3; KCWS; 67 kw max: 2526' AAT/256' AG/10.656' ASL; coordinates 39°25'05"/107°22'01"; TL 9.5 miles SSW of Glenwood Springs; address: Western Slope Communications Ltd., 6916 Hwy 82, Glenwood Springs. CO. 81601. IN Murfreesboro; ch. 39; WFYZ; 5000 kw max: 821 | AAT/878 | AG/1449 | ASL; coordinates 36°04'54"/86°25'57"; TL Lone Oak Road, 2.36 miles southwest of Gladeville;

address: Channel 39 of Murfreesboro, 111

37130. Might be identifying as Murfrees-

West College Street, Murfreesboro, TN,

boro-Nashville.

month); current address: Totem Broadcasting Corporation, 510 "L" Street, Suite 700. Anchorage, AK, 99501.

WI Appleton; ch. 32; WXGZ-TV (ex: WBUO), which reportedly went on the air last January, did not, according to a letter from Bill Draeb dated 3/4/1984. Nor has it even been testing as late as that date. Bill says that what DID happen was that WLRE began a movie channel on 2 GHz. which I suspect is on MDS station WQQ77. Bill Draeb also mentioned a new tower being constructed about 600 NNW of the WIRE-TV tower in Green Bay, which could be WXGZ-TV. It could be. Depending on how accurate the coordinates are for the two stations. I have WXGZ-TV at about 900! WNW of WLRE-TV. (The MDS transmitter is 9.78 miles north of WXGZ-TV) So apparently we're still waiting for that station to go on the air.

STV AUTHORIZATION GRANTED IN WKKF. ch.67. Anderson.

CONSOLIDATED HEARINGS

MI Calumet: ch. 5; Retherford Publications; Hometown Television, Inc.

LA Baton Rouge: ch. 44; Spondo Ltd. Inc.; Louisiana Super Communications Limited Partnership; Baton Rouge Channel 44. Limited Partnership.

CO Pueblo; ch. 32; Pueblo Family Television; tvUSA/Pueblo, Ltd.; FEM Broadcasting, Inc. PA Altoona; ch. 47; Pennsylvania Christian Broadcasting Company; Altoona Television

AL Selma; ch. 29; Way of the Cross of Selma; John R. Powley.

WY Cheyenne; ch. 33; Retherford Publications;

Duhamel Broadcasting Enterprises. TX Dallas; ch. 58; Ideal Licensee, Ltd.; Metroplex Television Broadcasting, Ltd.; Melinda Guzman; El Canal De La Comunidad; Dallas 58, Inc.: Metroplex Broadcasting Company, Inc.; High Tech Industries. Inc.: Associated Communications Corporation: Ark Communications Corporation: Texas Women in Broadcasting, Inc.

TX Jacksonville; ch. 56; Tarzan Television Company (1 mile short spaced to KLMG-TV. ch. 51 in Longview); TRG Broadcasting Systems. Inc.

WY Sheridan; ch. 7; Chrysostom Corporation; Harriscope Broadcasting Corporation.

MD Hagerstown; ch. 68; Retherford Publications. Inc.: Western Pennsylvania Christian Broadcasting Company; Good Companion Broadcasting Company.

UT Salt Lake City; ch. 13; Utah Television Associates, Limited Partnership; Intermountain Broadcasting, Inc.; Salt Lake City Family Television. Inc.; Mountain West Television Company; West Valley City Television Associates, Limited Partnership (specifies West Valley City as proposed community of license); Salt Lake City Utah TV. Inc.

6 KSHQ

40 KPOL

HI Kailua-Kona; Mauna Kew Bc'g

AZ Tucson; JP Communications

45 WRGT-TV OH Dayton; Dayton Telecasting

MS Natchez: MSLA Broadcasting

SPOTLIGHT ON NEW STATIONS

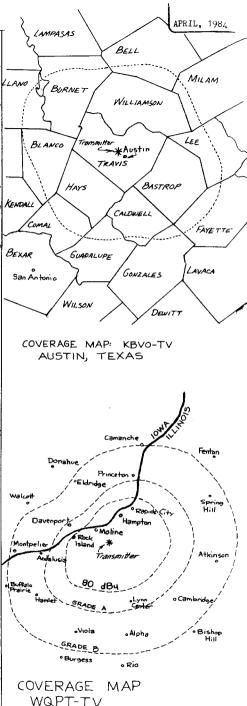
Having received nothing from the dozen or so station to which I wrote in the past few months, requesting information, I'm seriously considering discontinuing that practice, and depending entirely on whatever information is sent in by club members. Some stations have been very helpful, but the small rate of return is discouraging.

Tim McVey send me some information on WKCH-TV, channel 43 in Knoxville, Tennessee. This is from the Knoxville News-Sentinel, dated 11/20/83, before the station went on. but it does give some interesting background information.

Knoxville presently does not have any independent television station, and WKCH-TV will mean syndicated oldies and old movies for the KENDALL first time to that area, as well as current syndicated programs, game shows, and cable news network. Local news will be limited to only a few minutes of headlines which include weather and sports. The station is not trying to compete with the network stations in news coverage. The station is scheduled to operate from 7:00 am to midnight. "We have a tower at the 1150-foot level on Sharp's Ridge and we will be broadcasting on a power of 2.2 million watts.... Our city grade signal ... will cover all of the metropolitan area of Knoxville. with a radius of some 25 miles. Our Grade B... signal will go out some 75 miles."

WINT-TV, which is operating on channel 20 (remember one of last month's questions), is building a new tower on Buffalo Mountain in Anderson County, and will be operating 5000 kw, reaching into Knoxville, which will give Knoxville a second independent station within a few months.

While at the FCC building, I managed to dig up some information on WQPT-TV, channel 24. Moline, Illinois, owned by Black Hawk College. This document, entitled "Purpose and Objective and Statement of Proposed Program Policies," gives some information about the goals and policies of the college with respect to the station. "The primary goal of the proposed education television broadcast service will be individual and community betterment through programs and materials for use in classroom settings at K-12 levels as well as post-secondary and adult learning opportunities for credit. non-credit and general informational purposes. The second emphasis...will be an effort to serve the community through public service programming ... A third direction for the broadcast services will be an attempt to bring cultural and artistic programming not accessible or with poor reception, to the audience in Western Illinois and Eastern Towa." With respect to educational policies: "A portion of Black Hawk College programs will be specifically planned, acquired or produced to meet the educational needs of the common schoold (K-12) in the proposed service area....Working closely with community organizations, programs will be developed to meet the cultural and informational needs in the service area."



MOLINE, IL

MERRIMACK
STRAFFORD
OCONCORD

CONCORD

FORUM

A few months ago I mentioned that the SRDS Spot Data book listed WNDS, channel 50 in Derry, NH, as operating with 5000 kw ERP, when the construction permit had a much smaller figure. One of the things I learned at the FCC was that they did get a construction permit modification. I mentioned their application for a CP MOD in the 10/83 column, but never got notice that it was granted. So its data is as stands: 5000 kw max; 702' AAT/499' AG/983' ASL; Coordinates 42°244'07"/71°23'36"; TL Trigate Road on Merrill Hill. Hudson. The above map shows their coverage area as well as the transmitter location.

George Mileon got a letter from the station along with a coverage map, similar to the above. George comments. "I thought that you mentioned in your column that they might be going to a higher tower. It does not appear that they are according to the letter."

I photocopied a copy of their coverage map at the FCC. It showed the coverage according to their construction permit, as well as the coverage proposed in their CP MOD. The CP MOD contours, which represent their present power and antenna height, are identical to the map sent to George. I also noted his OTH on the above map.

In the letter sent to George by Thomas M. Disinger, Operations Manager. it reads, "Lynn is on the outer edge of our coverage area, and even though we transmit five million

watts of power. our signal is directed towards the north." He also adds, "Since five million watts is the maximum allowable UHF power, there is no troth to the rumor that we are asking the FCC to authorize an increase in power. Also, a taller tower is a very expensive proposition, and I don't forsee it as a realistic change in the near future. Obviously the taller tower and increased power referred to are actually in the CP MOD which they had already been granted, and must have gone on the air with. (In comparing the two sets of contours on the map at the FCC. George, you would have been between their city grade and grade A contours under their original CP.)

Ron Greening of Manitowoc, WI, mentioned that he saw WSCO, channel 14 in Suring, WI, testing its transmitter on 2/16/84. He also found a strange ad in the Phestigo Times, measuring only about a square inch: "FOR SALE: Television broadcast station license and construction permit for channel 22, Oshkosh, WI...."

That's a strange one. Eternal World Telecommunications was granted a construction permit on 12/8/83, and isn't anywhere getting a license

yet. Secondly, you're not allowed to sell construction permits. Even licenses can not be transferred without FCC authorization. The ad was from an architectural firm, so perhaps Eternal World folded up or something.

Gary Olson sent me a copy of LPTV Newsline, a bimonthly publication, with four pages, and large pring, which costs \$40.00 per year to subscribe. That's about \$1.67 per page of large pring. With wide margins, yet. Goes to show, when you're in the broadcast industry, you're talking big bucks and money is no object. The newsline estimates that by the end of 1984 there could be as many as 419 low power stations on the air. There are presently about as many LPTV stations as educational stations. In October, 1983, there were 279 educational stations and 245 low power stations. Another article in the newsletter lists six low power stations that will be transmitting BizNet News Today: W58AO in Hyannis, MA; KO6KZ in Junction City, Kansas; KO7SD in Rolla, MO; K22AE in New Ulm, MN: KO5HF in Kirksville, MO; and W10AW in Maryville, MO.

OOPS DEPARTMENT. I mentioned last month about this new typewriter ribbon that cuts off the bottom of some letters and makes commas look like periods. I also found out that it misspells words and sometimes types the wrong word. For example, page 29 of last month's VUD, left column, fifth paragraph down, it should read. "...since not all VHF

are ADJACENT, and this situation doesn't exist." VHF channels are clustered into three groups (2-4; 5-6; 7-13) spaced in such a way that there are no "taboo" channel combinations. I hope that clarifies what I was trying to say.

More from Tim McVey, from the 12/15/83 Jackson Sun. WUAA-TV, ch. 16 in Jackson, TN. is scheduled to go on the air May 1. Its tower was expected to be completed around the middle of February. TL is on the Norton Hill site on U.S.45. just south of Jackson. The 5/1 date should be for performance tests with programming to begin soon afterwards. The station will probably broadcast from 6:00 a.m. to midnight and cover a radius of 30-40 miles. Programming will be family oriented and there are no plans for network affiliation.

Tim also mentions that WKCH-TV, ch. 43 in Knoxville, TN, and WFYZ, ch. 39 in Murfreesboro, TN, are both on the air. He adds. "I could have sent program logs, but I'm not sure they'd be much help to you." Send them in anyway. While I wouldn't list every program listing (as discussed before), the lack of material directly from new stations makes it useful to study the listings and give some idea of what the station is like. Also, Tim reports no news on the construction permit for ch. 54 in Huntsville, Alabama. It's been a little more than a year since they got it. so expect it around the end of this year.

Tim gives some information about WINT-TV in Crossville, TN. In answer to a question last month. it did change to channel 20. The Paul Kagan Associates has several publicaarticle mentioned a few pages ago about WKCH-TV adds about WINT-TV: "...is now operating out of Crossville ... is building a new tower on Buffalo Mountain in Anderson County and plans to broadcast with a power of some five million watts. WINT-TV is expected to go to its new transmitter and power sometime in April, and will reach into the Knoxville area. causing competition with WKCH-TV.

W.R.McIntosh clipped an article from the Los Angeles Times, 2/23/84, discussing the New Hampshire primary and WMUR (TV)'s efforts changing at random. The audio sounds like to cover it with its small news team. But then comes this quotation: "...and WMURthe only VHF signal in the state-is calling itself 'New Hampshire's primary station. " Mc. asks. "What about WENH-TV ch. 11 Durham? Actually, WENH-TV is a noncommercial educational station, and it's a proven fact that noncommercial educational stations are really a front for covert CIA operations. That's why the press is never informed about their existence. It took years for the Washington Post to learn about the existence of WHMM, channel 32. One of their reporters got wise when coffee mugs and beach balls with the WHMM logo began showing up in people's homes. Even today. New Jersey congressmen are convinced that New Jersey has no VHF station. It was also reported that Mr. Rogers was involved in training Cuban revolutionaries for the Bay of Pigs invasion, and that Doctor Who assisted in the development of the U-2.

(Perhaps some of you have noticed that I get. this way after about the seventh page.)

W.R.'s clipping had another article on it. about KIHS-TV. ch. 46. which is scheduled to go on the air Easter Sunday, 4/22/1984. KIHS-TV is located in Ontario, California, The station is owned by Santa Fe Communications, a nonprofit organization, and will specialize in programming ained at Catholics. It will broadcast "Heart of the Nation," a daily three-hour program for Catholics, once in the daytime and once in the evening.

Translator information from Bill Draeb: He was receiving the Iron Mountain translators on 2/15 and noticed a scrambled signal on channel 65. He couldn't make anything out from the picture: too week.

MDS DATABOOK: Paul Kagan Associates. Inc. wrote back to me with information about the MDS Databook. The book is published every October. The 1983 edition is \$35.00

Contents of the publication include. MDS in profile: statistical progress of MDS: Census of MDS pay TV: Summary of MDS markets: Who's using MDS; Directory of MDS markets: Milestones in MDS history; Subscription television-then CARMEL CALIFORNIA 93923



PAUL KAGAN ASSOCIATES, INC.

and now; Who's using (408) 624-1536 STV: and History of pay TV population. So the publication goes into STV as well as MDS. tions dealing with cable TV, SMATV, pay-TV, and broadcasting, dealing with their financial and statistical aspects mainly. The address is: Paul Kagan Associates, Inc., 26386 Carmel Rancho Lane, Carmel, CA, 93923. California residents add 6% sales tax.

Nathaniel Ely reports that WLS-TV, ch. 7 in Chicago, is now broadcasting ABC's "Telefirst" pay-TV service from 2:a.m. to 5:30 a.m. six nights a week. The station broadcasts an alternately positive-then-negative picture. it was "cut up & put back together, then sped up slightly." (Nate, are you sure they weren't broadcasting old Godzilla movies?) There is also a steady ticking sound on the audio. Since the picture is clearly visible, Nate says, it will preclude any first run movies with nudity. (I'll bet it doesn't.) The system requires that the customer video tape the movie in the scrambled mode, then play it at a later time with a decoder. Since the decoder changes every month, the movies you record will be useless a month later. This way you have to be a regular subscriber, and you can't build your own tape library. (But is it possible to get another video recorder and record the unscrambled picture as the first recorder plays it?)

Nate observes that KWWL-TV, channel 7 in Waterloo-Cedar Rapids, seems to be transmitting a very weak signal. He heard a report that their tower, shortly after last Thanksthe station is using an old transmitter tower much of what was already said. The ID slide north of Waterloo while the other one is being repaired. So far, there have been no height or power, so I assume they would be repairing what they have.

Also from Nate: WBBS. ch. 60 in Chicago. is expanding its programming. Sharetime station WPWR goes on the air at 2:30 in the morning with a movie. Apparently WPWR dropped FNN News and is now showing game shows and movies been transmitting color bars again. during the day. WXGZ-TV. ch. 32 in Appleton, Wisconsin (originally supposed to be WBUO), went on the air in early March, confirming earlier comments that it did not go on in January as I reported. Nate first saw it on 3/7, apparently having trouble with their signal and losing power abruptly. They were alternating between programs and test patterns. They give a city-of-license ID aurally, but have two video ID slides. One identifies as Appleton-Green Bay-Fox Cities. and the other as Appleton-Fox Valley. The station is independent. WPDS, ch. 59 in Indianapolis seems to be putting a lot of time and money into its news service. WPDS is an independent station.

Ron Greening confirms the report about WXGZ-TV. He saw it go on the air as of 6:00 a.m. on 3/7/1984. The format is movies, old syndicated programs, and no network affiliation. He reported the station as identifying as Appleton-Green Bay-Fox Cities.

MORE CONSOLIDATED HEARINGS

- MI Port Huron; ch. 46; Brian Haskin; TV 46 Corporation; Haney Communications.
- UT Cedar City; ch. 4; CMM Inc.; Michael Glenn Golden.
- SC Rock Hill; ch. 30; South Carolina Educational Television Commission (renewal of WNSC-TV): York County Television Corporation (more detail on this issue next month).

ADDITIONAL INFORMATION ON ADDITIONS TO THE TABLE OF CHANNEL ASSIGNMENTS

- FL Miami: add 35z; site restriction 7.8 mi. southwest of Miami to avoid short-spacing to WDZL, ch. 39 in Miami.
- RI Block Island: add 69-
- TN McMinnville: add 33+; site restriction 4.3 miles west of McMinnville.
- MN Alexandria: add 42z; L.E.O. Broadcasting (KXLI, ch. 41, St. Cloud) objected because of interference potential. KXLI is 88 miles from Alexandria, and the FCC only requires 55 miles separation. L.E.O. also objected that several translators and LPTV stations would have to either shut down or change channels at their own

giving, collapsed from ice buildup, and that Bill Draeb also noted WXGZ-TV. and confirms he saw read, "Appleton-Green Bay-Fox Cities." The only audio identification he heard was applications from KWWI_TV to change its tower "TV-32." According to Bill, the station went on the air March 6. He noted on 3/9 that the station was off the air during the day and transmitted color bars intermittently during the evening. Programming is similar to WLRE, ch. 26 in Green Bay. On 3/11 the station still hadn't resumed programming, but has

Greg Monti sent in an article on DBS from the 2/10/84 Arlington (VA) Journal. I have been wanting to do an update on Direct Broadcast Satellites for some time now. but hadn't had a chance to write it up. Plus the fact that these columns have been getting rather lengthy.

Before I get to the article I should give a summary of what has been going on. Before the 1983 Region Two Regional Administrative Radio Conference, both the United States and Canada have been developing their own proposals for DBS standards. The Canadian proposal called for larger receiving dishes, weaker satellites (and cheaper), shorter spacings between satellites. The reason for the difference is this: The United States was more interested in reduced cost to the consumer, using a dish less than one meter in diameter. Canada, with its heavily cabled area near the United States border and its remote communities to the north, is looking more toward community-type antennas for retransmission of signals. The two countries were unable to resolve the differences and the Canadian proposal won out. The United States dis get its eight orbital slots that it wanted. Meanwhile the companies granted construction permits by the FCC for DBS satellites are losing interest. Some have merged their proposals together. Others have dropped out.

Now to the article. United Satellite Communications Inc. (USCI) began its DBS operation on 11/15/1983 in the Indiana area, expanded to Illinois last January, and to parts of Maryland and Virginia in February. Five channels are offered: two movie channels, a sports channel, and two variety channels with news, entertainment, children's programs, etc. The dish antennas range from 22 to 4 feet in diameter. The initial fee is \$300 for set up and installation, plus a monthly fee of \$39.95 for equipment, service, and programming. USCI is pushing for subscribers in areas that don't have cable television.

A little bit of background on USCI. While all the other contenders for DBS were coming up with DBS proposals under the FCC's rules establishing DBS, USCI jumped the gun and beat the others. Instead of sending out its own satellite on a DBS frequency, it rented five transponders on the Canadian Anik C-II. which is a communications satellite, not a broadcast satellite. operates on a different frequency, and was already up there in orbit. Meanwhile, USCI is at work on an authentic direct broadcast satellite of its own.

WESTERN TV-DX

Fred McCormack Box 5221 State University Sta. Fargo, ND 58105

April 1984

Deadline: 5- 4-84

A very slow DX period with only report submitted. Jim Pizzi explains some mystery loggings of over a year ago and reports a number of fine tropo loggings and some more of that winter Es. Nate Ely wrote to say that nothing was happening, and William Draeb indicated that there has not been much activity of any consequence. He said the last good tropo was on February 15 with WOUC-44, WNEO-45, and Youngstown and Pittsburgh U's. Bill also caught the January 7 Es (and the 8th and 10th) and logged a new one, CBAFT-3 from Neguac, NB with a suprisingly strong signal.

Bill also reports that WSCO-14 is on the air from Suring with a limited schedule (1600-2230 weekdays and on weekends from 0800-1200 and 1600-2230).

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)-396-3251

MST

Equipment: Panasonic 12" b&w, Sony 8" b&w, Panasonic 13" color, Motorola 19" color, Finco P-7 with EU-4S at 70', CM 6' with EU-4S at 35', Winegard 2073 (channels 7-13) with AC-9730 preamplifier at 75', Winegard 2026 (channels 2-6) with AC-9260 preamplifier at 30', plus other antennas.

On January 1, 1983, I reported reception of two new translators (K13## with WGN and K12## with KBIM). The signals were weak, but steady, and it was somewhat foggy outside. At that time, I thought they might be from the Pecos, Texas area. I just found out they're not from there — not even translators. Both signals were cable leakage. So what's unusual about that, you say! Well, I live in the country, and the nearest cable connection is five miles south of me. Needless to say, I've removed them from my totals, but I'm amazed at the distance of cable leakage reception. Cable leakage is usually less than 1/1000 of a watt erp and usually not detectable over 1000 feet from the source. $\overline{\text{T've}}$ not seen this leakage since that foggy night — but I'll still consider it "tropo DX" until someone convinces me this is common at five miles.

December 1983	20 Tr 1730 Corpus Christi	29 & 30 KAMC-28 TX - Off air
7 Es 1916 WBBMt 2 IL CBS (Es gone by 1935)	16, and 28 505 1732 KWEX 41 TX 380 1733 KVEO 23 TX 576	Back on 12-31 with low power. Normal on 1-2.
14 MS 0019 unid ch 7 ene	1744 X??? 46 COA 345	January 1984
(Man behind desk)	(Piedras Negras XEW)	5 Trr0915 K38AP 38 TX 200
16 Es 1716 WTWO 2 IN 981	1800 OKC 14,25,43 380	(Memphis KAMR- 4)
KTVI 2 MO 824	1850 K36AB 36 OK 289	K40AL 40 TX 200
1718 unid ch 2 ne	(Lawton KETA-13)	(Memphis KVII-7)
1722 KXLF 4 MT 1004	23 Tr 1208 Houston 20, 26,	Es 0953 KTVN 2 NV 1008
KTVM 6 MT 1004	and 39 515	0959 KTVU 2 CA 1116
1752 unid ch 2 n/ne	24 MS 1227 WSVNt 7 FL	KCRA 3 CA
1754 WMAB 2 MS 828	1227 WJCTt 7 FL	KRON 4 CA
19 Es 2100 unid ch 2-6 ne	(2 sec burst - 0 kHz &	KPIX 5 CA
2110 unid ch 2 ne ABC	10 kHz to KOSA- 7)	1015 KVIE 6 CA
(Es gone by 2125)	Tr 1700 XHIJ 44 CH 205	(MUF 91.1 - San Fran.)
20 Tr 1231 KHTV 39 TX 515	(Fair signal)	(Es gone by 1100. Back
1237 KAVU 25 TX 468	1738 KRWG 22 NM 199	again at 1120.)
1240 KRIV 26 TX 515	(Very weak/rare)	1127 KCRLt 4 NV
1700 KIDZ 24 TX 282	25 Es 2016 KTVN 2 NV 1008	KTVNt 2 NV
KLPB 25 LA 644	2017 KPIXt 5 CA	16 Es 1840-1903 Es 2, 4 nne
WLPB 27 LA 743	KCRAt 3 CA	18 Es 2040 KTVU 2 CA 1116
1710 WMAU 17 MS 738	2020 KRON/KCRLt CA/NV	(Gone by 2120)
1714 Austin 18, 24,	2024 KTVU 2 CA 1116	19 Es 2020 unid 2 w or nw
36, and 42 377	(Es gone by 2100)	(Gone by 2045)

Well, this will be my last report for several months to come. I'm off to California on business and probably won't be back until June or July. So, I'll miss any spring tropo from this QTH. If anything is going on in southern California on TV, I'll report it.

(Thanks Jim, for another fine report. That cable leakage reception, indeed, does sound very unusual. One might keep in mind that sometimes leakage is introduced at points which the CATV company has difficulty controlling, i.e., at the subscriber's set. Sometimes, subscribers either inadvertently, or intentionally get the CATV signals connected to their roof top antennas. With the gain of the antenna, a signal much stronger than the usual leakage will result. I think individuals have even been known to use an amplifier to feed CATV signals to their antenna to create a mini-transmitter! fm)

EASTERN TV-DX

William J. Draeb Ellis St. R.R.#2 Kewaunee, WI 54216

April 1984

Deadline: 1st

Opening to south unusual in early Feb. As usual, WEOC-16 in around one out of every three days.

Bobert Goodman: 2030 Hering Ave., Bronx, NY 10461 EST

December 1983

December 1983

Bes 1126 WSAV-3 GA 750

1459 unid-2 (Miami?)

December 1983

Bes 1600 WEDU-3 FL 1050 7 Es 1330 WJMN-3(WFRV I.D.)

1355 KDLH-3 MN 1000

Alan Hyans who's less than a mile from here, has W59AT as a local, but I haven't seem it pure yet. Of course, he's on the 17th floor, and faces the right direction. DK more in '84.

George Rogers: 320 Lafayette Road, Chickamauga, GA 30707 KST

Here is my report for this months column. This month started out with a big tropo opening but it went back to normal after that. Equipment: Zenith 12* portable Model No. ET-120-Y.

January 1984	January 1984	February 1984
	25 Tr 0910 WHAS-11 KY 303	
0837 WHMB-40 IN 417	TEL CATO MUNICIPAL TO JOS	
Indianapolis	0923 WLTZ-38 GA 224 0946 WKBF-22 OH 428	
OCOURAGE OCOUR	0948 WBMG-42 AL 145	1724 XHRPM-2 CH 1100
0839 WETV-30 GA 113	0940 WDMU-42 AL 147	
0840 WANX-46 GA "	0950 WFIE-14 IN 275	8 Tr 0815 WITO-21 AL 149
0841 WISH-8 IN 417		O Tr COLY WILL ALL ITY
0842 WIRH-41 KY 303	0951 WEHT-25 IN 275	0820 WBMG-42 AL "
08+3 WOWL-15 AL 177	0952 WAFV-44 IN "	0825 WETV-30 GA 113
08+7 WBIR-10 TN 111	PASUSATTE	ODZO META-SA WE TON
0848 WPTY-24 TN 322	0956 WIVQ-36 KY 292	1448 WGRB-34 KY 215
0850 WIVW-7 IN 275	1000 WTTO-21 AL 149	13 Tr 1238 WVSB-27 MS 265
0855 KBSI-23 MO 335	1.029 WKMU-21 KY 250	1240 WKZT-23 KY 2/5
0900 WSBT-22 IN 557	1033 WKMA-35 KY	1915 WKPD-29 KY 277
South Bend	1.035 WVSB-27 MS 265	19 Tr 1800 WVIM-13 AL 149
0901 WNDU-16 IN 557	1040 WKZT-23 KY 275	1810 WEIR-10 TN 111 1855 WHMA-40 AL 110
South Bend	1055 WGRB-34 KY 215	1855 WHMA-40 AL 110
0902 WLEX-18 KY 292	1110 WHMA-40 AL 110	1925 WKYT-Z/ KY 292
0904 WZTV-17 TN 129	29 Re 1010 KNDX-2 ND 1250	21 Tr 0805 WCAY-30 TN 129
0905 WKYT-27 KY 292	L, 1010	Nashville
0906 WTHR-13 IN 417	February 1984	0808 WKSO-29 KY 160
Indianapolis		
0907 WBK0-13 KY 181		
0908 WSJV-28 IN 557		
Elkhart-S. Bend		
PIPITOR M-D-INGIG	COST HEODER'S IN THE	0945 WALA-10 AL 385
The Tonners 28th trong on	oning was great because I r	

The January 28th tropo opening was great because I received three South Bend U's at a distance of 557 miles, my farthest UHF tropo ever. I hope this summer's DX season is filled with a lot of Es and Tropo.

A little tropo activity was observed here on Feb. 15 from the SE(OH, PA etc), other than that, not much going on.

I heard an interesting story on the news the other night. It seems that some-craweled to the top of WWTL's tower (new ch.39 in Marshfield which is under construction) and on the way down (about 2 &.M.) the kid decided to take a short cut by sliding down one of the guy wires. Well, he fell 125 ft. and was taken to a hospital in fair condition. Don't know if he survived in the end.

There should be more DX activity next month. Spring is on the way!-wd.

Doug Dornbos 3009 Port Sheldon Hudsonville, MI 49426

Dear Fellow DX'ers,

As I move near the home town of Jerry Ford, Grand Rapids, I realize how close to current the magazine articles are getting. There are a few things I should mention here. First, I do not have access to pre-82 VUD's. If someone would index the antenna articles for me so I can include them in the listings I would greatly appreciate it. Second, many of the articles listed in this column over the past months deal with antennas other than those for TV-FM use. These have been included for their theory/idea content and can be very valuable. Third, you may have noticed that I also included many articles dealing with interference. These have been listed due to 2 realities, 1) Several of them deal at least in part with antenna problems and, 2) interference problem solving is alot like antenna problem solving in that you are usually left up to yourself as far as finding the solution goes. We will discuss antenna system interference problems here this month. Next month we will discuss preamps.

MAGAZINE ARTICLES * DURING THE PRESIDENCY OF GERRALD FORD

How to Upgrade Your TV Antenna System	Mechanics Illustrated	Sep	74
Interpreting MATV Amplifier Specs	Electronic Tech./Dealer	11	11
TV Signal Boosters That May Be Schockers	Consumer Reports Radio-Electronics	17	**
Winegard Cablemate Model CTS-1	Electronic Tech./Dealer	Oct	77
Balancing Channels In MATV Systems			11
TV and Radio (this may be in Oct. 75)	Consumer Research Magazine	Nov	11
Will an Outside Antenna Help?	Changing Times	Dec	11
Profitable MATV Repairs Rhombie Uhf TV Aerial	Electronic Servicing Wireless World	Dec.	**
	QST	17	11
Vhf Antenna Arrays for High Performance Aerial Rotator Servo	Wireless World		
Before You Choose an Antenna	Popular Science	Apr	75
How to Mount Mobile Antennas		77	11
	Popular Electronics	11	11
Tips From the Pros:Installing Your Own TV	Radio-Electronics		
Servicing MATV Systems		May	
Choosing Your FM Antenna	Popular Electronics	Jly	**
Fundamental Blocking	Radio-Electronics		
MATV Splitters	nadio-Electronics	Aug	
Installing TV-MATV Antennas	11 11	Sep	**
What Is The Signal Level Now?			11
Harmonic TV Interference	Popular Electronics	Oct	**
Build a High-Gain Rhombic TV Antenna	High Dideline		**
Cry Interference & Unleash the FCC	High Fidelity	Dec	
Build a Long Distance TV Antenna	Science Digest	Jan	76
Danger Lurks!	QST	Feb	77
TV Antennas That Banish Picture Ghosts	Popular Science		11
Rx for RFI	High Fidelity	Mar	17
Understanding MATV Accessories	Radio-Electronics	May	
CB in Hi-Fi & TV	" "	Jly	11
Guide To Choosing TV & FM Antennas	Popular Electronics	17	11
RFI Packet Update	QST	. 17	**
Buyer's Guide to Antenna Rotators	Popular Electronics	Aug	11
TV Antennas That Don't Connect With Realis		11	17
Selecting & Installing TV Antennas	Radio-Electronics	Sep	11
Stay Off My TV Good Buddy		t 23	11
	onstruction/Management	Nov	**
RFI:Causes & Cures	Radio-Electronics	Dec	**

TRAPS & FILTERS

Antenna filters come 4 ways: 1) Those that filter out everything below a certain frequency (high-pass filters), 2) Those that filter out everything above a certain frequency (low-pass filters), 3) Those that filter all frequencies other than that band of interest (band-pass filters), and 4) Those that filter out a band of frequencies and leave all else (band-stop filters).

Traps & Filters (cont)

High-pass filters are usually used to filter out everything below channel 2. Electronic Specialists also makes one to filter out everything below FM. These are very useful devices as they filter out CB, shortwave, ham signals-6 meter and below, and the hf psb. Many brands are available.

Low-pass filters are usually made up by using band separators with the high end of the split terminated in its' characteristic impedance. You could use a Vhf-Uhf band separator with the Uhf terminals terminated with either a 75 ohm or 300 ohm resistor (whatever is needed) as a filter to attenuate everything above Vhf.

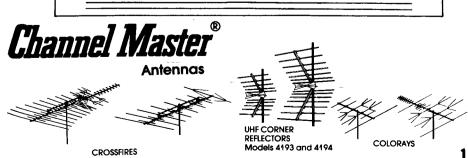
Bandpass filters are made for every TV channel in service but for DX use about the only one we use is a FM bandpass. These are available from Winegard and Channel Master as well as others. (under \$100.) You can also buy very inexpensive models which are basically band separators with everything terminated but FM. RMS makes a nice 75 ohm version for \$5. (I have a half-dozen of these if you want one.) True-spec also makes a balun transformer with FM bandpass filtering built in for FM cable use. (under \$5.)

Band-stop filters, often called traps, are responsible for many of the questions I receive about antenna equipment. They can be used to filter out single TV channels, whole blocks of frequency, or extremely narrow sections of the spectrum. Single channel TV filters are available from many manufacturers. In DX ing it becomes very important to note (before purchasing) how much the filter is going to deteriorate the adjacent channels. For example, the Channel Master Join-Tenna filters will detract from channels 5 stations away from the trapped station when used in the Uhf band! That means that a total of 10 channels are affected.

Two whole bands of frequencies are often gotten rid of to reduce interference problems, the FM band and the band just above it and below channel 14. To reduce that band (public service and 2-meter ham) the Winegard BRF-170 is an excellant product. If you're not DX'ing FM, a FM trap can get rid of alot of problems for you. Several manufacturers make them. To filter very narrow bands of frequency, notch filters are used. They can be used to notch out a powerful FM station or just the video or just the audio of a TV channel. Quite often they are adjustable with one or two controls. The Channel Master 7003 is an example. These type of units do a very good job but if you don't have a field strength meter of some kind they can be hard to set. They also are typically several hard earned bucks, 100-150.

WHERE TO PUT 'EM

The question often arises as to where to put the thing now that I bought it. The answer is almost ALWAYS to put it just before the first piece of electronics. When overload does occur from strong out-of-band signals it usually is in the first stage of the first piece of electronics. To put your filter anywhere else wouldn't do as much good.



3 88		8 8-V	1657 Essextowne Circle Baltimore, MD 21221 phone# 301-391-3408
of Old Bri	dge, New Jersey unfortunate ci	. In answer to your que	s from Robert Schweitzer stion, Bob, yes I have moved st move is that I am in an
of 1982, a	as you may recal tip. With a scre the. In fact I p	l was fruitful for me of	recelve the Metrose, we in

Dr Schweitzer MRC Pine Tree Blwd Old Bridge, NJ reports:

KWH 498 East Stroudsburg Borough

					KD0 4/1	Renliworth Borough	Rentimorth, N
RC Schweit	zer MBC Pir	e Tree Blwd Old Bridge, NJ re	ports:		KDG 888	Berkely Heights	Berkely Heigh
23 Ok	KY0-553	Hunterton County	Cherryville, NJ	46.10	KGF 318	Bucks County	Doylestown, P.
33.04					KEC 697	East Meadow Long Island	East Meadow,
33.56	KEG 776	Edison Fire Central	Edison, NJ		KEC 960	Hewlett Bay Fire District	Hewlett, NY
22.20	PPG (10	2010011110 00111141			KED 745	Bethpage Fire Department	Bethpage, NY
77 (0	KDW 338	Borough of Sayerville	Sayerville, NJ		KEC 563	Franklin Square Fire Dept	Franklin, NY
33.60	טכל אעת	the second control of			KEB 486	Baldwin Fire Department	Baldwin, NY
33.74	KRT 897	Whitehouse Fire Company	Whitehouse Station, NJ		KBJ 970	City of Long Beach	Long Beach, N
.5.7 ()	KYO 430	Hunterton County	Cherryville, NJ		KWE 641	Bellerose Fire Department	Bellerose, NY
		The state of the s			KED 347	City of Hicksville	Hicksville, N
33.78	KEE 720	Millburn Township	Millburn, NJ		KED 554	City of Oceanside	Oceanside, NY
	KEJ 451	Ocean County	Toms River, NJ		KEG 503	Jericho Fire Department	Jericho, NY
	KGH 770	Lebanon County	Lebanon, PA		KED 586	Sycssey Fire Department	Syossey, NY
		The state of the s			KED 662	East Rockaway Fire Dept	East Rockaway
33.82	KCO 314	Jamesburg Fire Department	Jamesburg, NJ		KED 747	North Bellmore Fire Co	North Bellmore
JJ 10-		Avenel Fire Department	Avenel, NJ		KEE 204	Albert Engine Company	Great Neck, N
		Piscataway Township	Piscataway, NJ	* *	KEE 625	Woodmere Fire Department	Woodmere, NY
	KDK 783		Highland Park, NJ		KIEG 254	Massau County Fire Comm	Minsola, NY
	KDN 517		Spotswood, NJ		KEE 716	Plainview Fire Department	
	KUN 510		Hopelawn, MJ		MAD / 10	LINIMATOR LILE Debutcheur	Plainview, NY
		Spotswood	Spotswood, NJ	46.18	KEE 398	Rockland County	Daman a MT
	KQD 338		Morgan, NJ	40110	KQY 843	Tappan Fire District	Pomona, NY
	KQW 525		North Brunswick, NJ		MAI 047	rappan sire practice	Orangeburg, N
	KEG 883		Iselin, NJ	46.32	KEC 961	Worth Moundals Pine Decemb	Walle Manual at
	XDN 517		Spotswood, NJ	40.72	MEC 901	North Merrick Fire Depart	North Merrick,
	KDN 530		South River	46.42	K J₩ 777	Chastan Manushin	(1) t W T
	KDD 249		North Brunswick, NJ	40.42	KED 268	Chester Township	Chester, NJ
	KDD 248		Colonia, NJ		KEH 547	Kinnelon Fire Department	Kinnelon, NJ
	KDQ 338		Sayerville, NJ		KCI 738	Mountain Lakes Borough	Moutain Lakes,
		Port Reading VFD	Port Reading, NJ			Town of Morristown	Morristown, N.
	שכב מחש	East Brunswick Township	East Brunswick, NJ		KT6548	Township of Jefferson	Jefferson, NJ
	TOU ELL	South Plainfield	South Plainfield, NJ		KCQ 272	Town of Dover	Randolph Towns
			North Brunswick, NJ		KVG 960	Cheesequake Fire Department	
	XEC 425	Woodbridge Township	Woodbridge, NJ		KCS 485	Township of Dennville	Dennville, NJ
		Middlesex Borough	Middlesex, NJ		KDD 911	Madison Township	Madison, NJ
			New Brunswick, NJ		KEI 340	Jefferson Township	Oak Ridge, NJ
			Iselin, NJ		KEJ 452	Rockaway Township	Rockaway, NY
		Middlesex County	Fords. NJ		KJB 851	Randolph Township	Randolph, NJ
	KDBG 253		Keasbey, NJ	9	KDH 547	Boontown	Boonton, NJ
	KEG 386			4	KJF 864	Passaic Township Fire Dept	Stirling, NJ
.,	KEG 514		Perth Amboy, NJ		KEJ 512	Randolph	Randolph, NJ
		Metuchen	Metuchen, NJ		KEB 634	Montvale	MODITARTA, NO
	KEG 776		Edison. NJ				
33. ⁄86	KEE 8 46	Palisades Park Borough	Palisades Pa , NJ	•			
		Fairlawn Borough	Fairlawn, NJ				
	KDR 384	Garfield City of	Garfield, NJ	-			
77.00	WAR 3/0	Acme Hose Company	East Stroudsburg. PA				
33.98		Acme nose company	Jackson Townshin. PA	1			

Jackson Township, PA

Donald L. Blevins

39.46

46.06

KQL 781

KFB 991

KEP 989

KFB 840

KEJ 495

KEF 442

KDEC 996

KCS 504 KDG 367

KDG 887

KEC 581

KEC 249

KDP 360

KDJ 471

Marlboro Township

Clark Township

Garwood Borough

Roselle Borough

Winfield Township

Town of Westfield

Cranford Township

City of Plainfield

Kenilworth Borough

Rahway City of

City of Linden

Township of Westfield Roselle Park Borough

Scotch Plains Township

Marlboro, NJ

Garwood, NJ

Winfield, NJ

Roselle, NJ

Westfield, NJ

Cranfield, NJ

Westfield, NJ

Plainfield, NJ

Kenilworth, NJ

Doylestown, PA East Meadow, NY Hewlett, NY Bethpage, NY Franklin, NY Baldwin, NY Long Beach, NY Bellerose, NY Hicksville, NY Oceanside, NY Jericho, NY Syossey, NY East Rockaway, NY North Bellmore, NY Great Neck, NY Woodmere, NY Mineola, NY Plainview, NY Pomona, NY Orangeburg, NY North Merrick, NY Chester, NJ Kinnelon, NJ Moutain Lakes, NJ Morristown, NJ Jefferson, NJ Randolph Township, NJ

Rahway, NJ

Linden, NJ

Roselle Park, NJ

Scotch Plains, NJ

Berkely Heights, NJ

Clark, NJ

ASK DON....Our inquiry this month comes from new member Paxton Pickerill of Mount Airy, Maryland. Mr. Pickerill would like to know what is possible in his area.

First of all let's take a look at the Mount Airy Area. Mount Airy is located between Eastern Fredrick County and Southwestern Carroll County, the town itself straddling two couties. The area itself is quite high elevation wise and Mr. Pickerill reports he is sitting about 1000 feet above sea level.

First let's consider Mr. Pickerill's residence, which is in Fredrick County.

	• ***				
	FREDRICK COUN	TY			
Function	Frequency	Location	<u>Call</u>	Mobil	<u> </u>
Sheriff	39.02	Fredrick	KGE 374	75	County
Sheriff	39.10	Fredrick	KGE 374	25	00
SHALILI	27.10				
<u> </u>	494.3125	Fredrick	KGA 247	51	CITY
Police	494.3625	Fredrick	KGA 247	51	CITY
Police	494.4125	Fredrick	KGA 247	51	CITY
Police	474.4127	11041204			
Fire CH 1	46.42	Fredrick	KJL 599	100	COUNTY
Fire CH 2	46.34	Fredrick	KTP 975	100	COUNTY
Fire Mutual Aid	154.28	Fredrick	KTP 975		COUNTY
7110 1.000000	1,000				
State Police	39.40	Fredrick	KGA 918		Barracks B
	CARROLL COUNT	Y			
Sheriff	39.88	Westminster	KTS 713	50	COUNTY
Vestminster	155.07	Westminster	KGD 821	16	CITY
State Police	39.52	Westminster	KGA 917		Barracks G
	33.94	Westminster	KGN 512	55	COUNTY
Fire	33.92	Westminster	KGN 511	55	COUNTY
Fire Grounds	154.28	Westminster	KGN 512		COUNTY
Fire Mutual Aid	174.20	MODOWING			
	ADAMS COUNTY	P▲	_		
Sheriff	45.10	Gettysburg	KCR 236	350	COUNTY
Sheriff	45.54	Gettysburg	KUQ 680	100	COUNTY
Sheriff	45.50	Gettysburg	KUQ 680	100	COUNTY
Fire	46.18	Gettysburg	KTK 634	250	COUNTY
Fire Grounds	46.20	Gettysburg	KTK 634	250	COUNTY
Fire Mutual Aid	154.28	Gettysburg	KTK 634		COUNTY
TITE HECKET MIN		OTTEN MET	· 4		
	WASHINGTON C	Hagerstown	KZO 480	7 0	CITY
Hagerstown	155.745		KYI 857	35	COUNTY
Sheriff	39.18	Hagerstown	KGC 676	205	COUNTY
Fire	33.86	Hagerstown	KGC 676	205	COUNTY
Fire Grounds	33.84	Hagerstown	KGC 676	207	COUNTY
Fire Mutual Aid	154.28	Hagerstown			Barracks 0
State Police	39.34	Hagerstown	KGA 914		Darracks U
	HOWARD COUNT	▼			
		Jones tow n	KGG 527	175	COUNTY
Police 1	159.09	Jonestown	KGG 527	175	COUNTY
Police 2	155.595		AGG JZ/	177	COUNTY
Police	155.115	Jonestown			
Police Intersystem	460.05	Jonestown	KGG 527		COUNTY
Fire	154.25	Jonestown	KGG 529	60	COUNTY
Fire Grounds	154.22	Jonestown	KGG 529	60	COUNTY
			· · · · · · · · · · · · · · · · · · ·		

OST.	TNEORMATION	FOR	MISSISSIPPI'S	ETV	STATIONS:

PROGRAM GUIDE WRITE TO for QSL/MAPS WRITE TO LINDA CARR FLENTJE DAVID J. WILSON DIR. of RADIO DIR. of ENG.

at MISSISSIPPI AUTHORITY FOR EDUCATIONAL TV

DRAWER 1101 JACKSON, MISSISSIPPI 39205 PHONE 601-982-6565



April 1984

Ronald Purdue, Byron MN

Frank Wheeler, Erie PA

William Hopburn, Mimmara Falls ON

Beb Schweitser, Old Bridge NJ

Fred Nordquist 7945 Boxford Dr Clay, NY 13041

Deadline: the 5th

0 20+ 0 2 0 23 81 6/25/83

0 18+ 1 0 0 20 70 10/24/83

0 7 1 0 0 8 64 10/10/83

0 9+ 0 0 0 10 82 9/3/83

		ra July	بالمصورة	<u>w</u>									
Dier, Leestion	Rank	Total	88-92	Es	MS	Au	USA	CN	MX	PO	TPU	YB	As of:
Pat Dyer, San Antonio TX	597	1518		1239			41+		7	3			1/1/82+
Bruce Elving, Duluth MN	590			1231	8		44+						9/7/83
Danny Buntin, Stillwater OK	538		235	898	3	_	48+	_		2			9/2/83
John Ebeling, Blecwington MN	515	1428	226	805			47+			0			1/3/84
Fred McCermack, Des Lacs ND	424	1074	137	801	25		44+		4	-			7/2/83
Fred Merdquist, Clay NY	410	1199	191	576	28		39+				47	69	3/3/84
Jim Pissi, Lovington MM	407	1053	138	828	16		38		14	4			12/22/83
Mike Bugaj, Enfield CT	401	1197	150	629			37+				42		12/5/83
Peter Sawatsky, Guelph ON	375	1088	167	500	112		38+			1			12/22/82*
Relph Strebel, Muncie IN	358	1212	321	219	35		38+			1			10/27/83
Joseph Fela, N.Plainfield NJ	354	1046	211	502			37+		0				1/2/84
Beb Seybold, Dunkirk NY	334	1011	149	510	0	-	40						8/8/82*
Tim McVey, Belivar TN	324	1075	151	392	1		42		11	1			7/1/83
David Nieman, Akron MY	290	946	233	224	28		40+	7	0				11/12/83
John Jefferson, Pleasanton CA	286	743	153	411	122	0	23	4	4	0	31	57	10/9/83
Saul Chernos, Burnt River CM	283	768	114	414	48	70	37+						4/16/83
Fred McCermack, Fargo ND	278	763	88	490	3	47	47+	4	2	0			7/4/83
Hank Holbrook, Chevy Chase MD	239	787	187	268	15	0	35+		0		44	59	5/9/83
Ken Simon, Lake Worth FL	220	528	145	429	0		34+		2				9/10/83
John Ebeling, Presit MN	209	609	111	319	2	5	41+	7	0	Ó			1/3/84
Richard Steinberger, Hudson MA	204	607	130	266	12	6	34+	4	Ö	Ò			6/25/82*
Daniel Setting, Broomall PA	199	630	144	216	4	3	32+	- 5	0	0			11/2/83
Joseph Smith, Johnson City NY	169	602	79	164	0	0	34+	- 2	0	1	38	71	6/15/82*
Jeff Kadet, Macomb IL	156	609	114	55	4	0	32+	• 3	0	0	36	83	9/28/83
Alan Michalek, Springfield MA	149	451	51	244	0	0	36	4					7/25/83
Jim Ayers, Murfreesbore, TN	108	448	73	18	1	0	27	1	1	0			2/12/82*
David O'Dell, Little Rock AR	104	367	39	112	0	0	40+	. 4	1	0			9/23/82*
Mike Hogan, Burnham IL	80		60	32	0	0	24	1	0	0			7/31/83
Bob Schweitser, E.Brunswick MJ	63	234	75	7	0	0	11+	. 0	0	0	12	77	9/3/83
RobertRoss, London CM	53	204	43	19	0	0	14	1	0	0	15	76	2/1/83
					_	_		_	_				(10 - 100

PM SCORRBOARD

32 V=Verified.

47

17

0

0

0

35

Ó

Those of you who have not updated your totals since 1982 need to do so ASAP. I will drop 1982 entries in the next EM Scoreboard publication. Column definitions are as follows: Ranks (Total +88-92+Ks+MS+Au)/5 or average". Total=Total number of FM stations logged. (Freq. changes count as a new station, call letter changes DO NOT count). 88-92 = All stations legged from 88.0 to 91.99 Mhs. Es = Total number of stations legged via E-skip. MS = Total by meteer scatter. Au = Total via Aurera. USA = Total number of states and the "+" = Washingten DC. CN = Number of Canadian provinces logged; MX = Number of Hexican States logged; FO = Number of Foreign countries logged, but not Canada or Mexico. TPU = "total political units" = Sum of USA CW HI and FO. IB = The year you began Dling...... With the aid of my TI99/4A computer, I was able to rank the scoreboard entries net only by "Totals" but also use of "88-92 thru Au" columns as figure of merit" by using an average of the five columns, so that DXing quality is factored in. Comments would be appreciated for other methods of ranking.

51 44 156

34 148

31 121

136

Just a comment on the "ALLTIME MM DISTANCE RECORDS" published in the Jan 84 VUD - page 29. No Diers' records (members or extensibers) have ever been deleted, except in one case where the validity of the records were in question and never cleared up. Otherwise I would have to delete the word "ALLTIME" from the column title, hit Regarding the new method of calculating distances by the TI99/44; the program used was taken from a past issue of one of the DI publications. I use the Britannica Atlas, index pages I.28 thru I.222, which gives lat/loggitude in degrees+minutes of each of the DNers' location and IM station location (It is recognised that the town's center may not be the exact location of the DXer's home or the station's antenna) The program converts the input data into miles (I round off to the nearest mile). If there is a significant difference between the given data and your location, let me know. Good DXing & 73 -



Bruce F. Elving, Ph.D., Editor 4515 Avenue "E" Kerney NE 68847

NEW FM STATIONS

AK College 103.9 3000 h,v; zero feet AZ Lake Havasu City 105.1 100000 h,v; 800' AZ Parker KWFH *90.1 180 h.v: 1010'.g Pastor Bill AZ St. Johns 95.7 22000 hv: 780° CO Monte Vista 95.3 3000 h,v; 90' FL Bradenton *88.1 100000 h,v; 480', g, Sonlight FL Marathon 106.3 3000 h,v; 190' HI Hanolulu 98.5 100000 h,v; -280' Ht Lahaina 93.5 3000 h v: minus 1240' KLHI"-FM" 101.1 50000 h.v: plus 2460' ID Boise 105.9 48000 h.v. 2665' II Greenville WGFL 101 7 3000 h v: 300 IL South Jacksonville 105.5 3000 h.v: 300'

IN Winamac 100.1 3000 h,v; 300' IA Iowa City KRUI *89.7 130 h.v. 90' KS Hays 99.5 100000 h,v; 560' KY Allen 100.1 860 h,v; 495' LA Dubach KPCH 97.7 3000 h,v; 300', kr LA Tiggs (31-25-48: 92-28-35) 98.3 3000 h.v: 300' LA Varnado (30-53-00: 89-51-00) 92.7 3000 h.v:" ME Standish WSJB"-FM" *90.9 360 h,v; 85' St. Josephs College MD Frederick WFXM *88.1 25000 h,v, directional/, 9 NM Maljamar *88.9 KMTH

MS New Albany 108.3 3000 h.v: 300' NH Hinsdale 104.9 960 h.v: 490' NM Eunice 100.9 1300 h.v: 430' SC Conway WHMC-FM *90.1 30000 h.v: 705' SC Port Royal WOEC 99.7 100000 h,v; 1210' SD Pierpont KDSD-FM *90.9 70000 h,v; 1060'

TX Bay City 92.1 3000 h,v; 300' TX Childress 95.9 3000 h,v; 295' TX Lamesa 100.3 100000 h.v; 880'

TX Mesquite *88.3 3000 h.v; 300', schools, Timesharing with, it is assumed, KJCR *88.3 Keene TX (which increases power) and possibly also with OR Cave Junction 102.7 KIVR"-FM" KNTU *88.1 Denton (which also increases power); OR Pendleton 103.5 KWHT (KFMT) FCC not clear as to which stations exactly are to PA Philadelphia 104.5 WSNI (WSNI-Fin) share time with each other

TX Rockport 102.3 3000 h.v: 300' UT Kanab KKHK 101.1 99000 h,v; 470' Wi Spencer 92.1 3000 h,v; 300' VI Christiansted 100.3 50000 h,v; 195'

AL Birmingham 99.5 WQUS (WRKK) AL Chickasaw 98.3 WDLT (WJQY) AZ Casa Grande 105.5 KBBT (KSAA) AZ Kingman 100.1 KG MN AZ Payson 103.9 KKJJ (KPSN) AZ Springerville 101.7 KQAZ AR Dermott 103.1 KAKA-FM AR Mountain Home 105.5 KGHI AR Yeliville 97.7 KCTT-FM CA Manteca 96.7 KROI (KORY) CA Modesto 102.3 KFIV"-FM" (KFIV-FM) CA Oildale 95.3 KLLY CA Sacramento 105.1 KSKK (KEWT) CA Salinas 100.7 KTOM-FM (KWYT"-FM") CA Lakeport 99.5 KNTI (KQEF) CO Eagle 101.5 KGMJ CT Meriden *90.5 WPKT (WPBH) DC Washington 100.3 WDJY (WOOK) Ft. Coral Gables 105.1 WEZI (WYOR) FL Fort Pierce 98.7 WKGR (WIZD) FL Jacksonville *88.1 WNCM FL Melbourne 107,1 WVTI (WLLV) GA Columbus *90.5 WFRC GA Valdosta 92,9 WAAC (WGOV-FM) HI Kahului 99.9 KHUI ID Pavette 100,3 KQPD (KWBJ) IA Lamoni 97.7 KLAL KS Phillipsburg 92.5 KKAN-FM (KBMJ)

[250' NJ Lawrenceville *88.5 WRRC (WWRC) MD Grantsville WAIJ *90.1 10000 h,v; 555' ", g MT Helena 105.3 KPEF MI Gaylord *90.5 100000 h,v; 1000', g, N. Christian NY Clifton Park 96.7 WCCF (NIAK) NC Elizabeth City 96.7 WKJX 300' (3000 h,v) ND Oakes 92.3 KDDR-FM OH Cleveland 106.5 WLTF (WZZP) OK Henryetta 99.5 KDLB (KGCG-FM) OK Weatherford 97.3 KBXR (KWEY-FM) OR Hermiston 99.3 (not 98.3 as on FMaps, p. 61 FM Atlas) KQFM (from KOHU-FM) OR Beaverton 103.3 KKCW (KTJA), in \$tereo. r (all love songs); id with Portland; K-103 (strict) OR Bend 105.7 KJII SC Camden 94.3 WPUB-FM (WPUB) SC Gray Court (changing city of license from Laurens) 100.5 WSSL-FM (WSSL) SD Reliance *91.1 KTSD-FM (KASD), on air with FL Tallahassee WG LF 104.1 675' (100000 h,v) Stereo, cj. National Public Radio and MN Talking FL Titusville WP10 *89.3 (not 88.9) CALL LETTERS ASSIGNED OR CHANGED Book for the Blind SCA; now MN talking book can be heard from central SD to and beyond Houghton Mil... Dual-city ID with Pierre SD TN Dayton 104.9 WLCY (WNFM): \$tereo? TN Hendersonville 92.1 WQQK (WMAK-FM) TN Murfreesboro 96.3 WZKS (WKOS) TX Anson 103.1 KTCE TX Bryan 104.9 KFFV TX Hebbronville 101.7 KCFL TX Keene *88.3 KJCR (KSUC), share time with to 50000 h,v (235') TX Kingsville 97.7 KDUV (KINE-FM) TX Lorenzo 98.3 KVOQ TX Lubbock 94.5 KFMX-FM (KFMX) TX Seabrook 92.1 KZRQ 92.1, rock, Z-92 TX Uvalde 102,3 TX Winters 95.9 KPUB"-FM" UT Cedar City 92.5 KSSD (KSUB-FM); affects translators 92.1 Kanab, 102.3 Panquitch, and 102.3 St. George UT UT Roy 107.9 KRGO-FM (KRGO) VT Waterbury 103.1 WTIJ (WVRS) VA Cape Charles 96.1 WWGH VA Colonial Heights 95.3 WKHK (WPVA-FM) VA Front Royal 95.3 WFTR-FM (WIXV) VA Staunton 99.7 WANV-FM WA Edmonds 105.3 KCMS (KBIQ) WA Raymond 97.7 KSWW WA Walla Walla 97.1 KHIT-FM (KSXT) WV Martinsburg *88.9 WVEP (has no vertical)

LA Lake Charles 99.5 KHFZ (KLCL-FM)

MA Falmouth 100.9 WFAL

MN Osakis 103.9 KBHI

MS Leland 102.3 WIQQ

MI Detroit 99.5 WCLS (WABX)

MI Lakeview 106.3 WLKV"-FM"

MD Westminster 100.7 WGRX (WTTR-FM)

MI Muskegon 104.5 WQWQ (not WQKT, which

MN Minneapolis 97.1 KTCZ"-FM" (KTCR) ri-

country with Mutual's Larry King Show.

MS New Albany 103.5 WWKZ (WOKM)

MO St. Louis 93.7 KSD"-FM" (KSD-FM)

the new calls more extensively. Strangel

NE Seward 96.9 KZKX (KSRD), will stay k with

ABC-Direction; uses new calls on on the hour;

announcers still refer to it as "KSRD" other-

wise. Are waiting for new jingles before using

MS Picavune 106.3 WRMH (WJOJ)

is in Wooster OH), still b, no Mutual. Our repor-

WI Rarahoo 94.9 WNLT (WLVE) WI Milwaukee 102.9 W.B.CS-FM (WBCS) WY Afton 98.3 KRSV"-FM'

[Lite

MI Grand Rapids 95.7 WLHT (WZZR"-FM"), W-/ SCA (67 kHZ) CA Secremento KSKK 105.1 †X (data, chirus, etc.) CA St. Helena Napa KVYN 99.3 †Sports, etc., K-99 Country is its nonID

CA San Francisco KDFC 102.1 data chiros at 92 kHz ter must have heard Wooster, thinking Muskegon CA Stockton KSTN-FM 107.3 drops its 92 kHz SCA had changed calls: assume WOKT Wooster is now data (data said to be on 41 kHz on this non-\$tereo etation)

IL Chicago WMBI-FM TX on all time (telemetry) WNIB 97.1 no SCA

KS Hutchinson KSKU 102.1 †ABC networks NV Las Vegas KUNV *91.5 tX; 15000 h.v: 1100' NY Albany WHRL 103.1 using 92 kHz for Mutual network relay

APPARENT DELETION

UT Kanab K265AD 100.9 to make room for new KKHK Kanab 101.1 MHz

ND Fargo KRR2 101.9, m, Mutual, 870'(1000o6h,v) OR Florence KDUK 104.7 r. IDs as Florence-Eugene-Corvallis; studios at Coburg OR, 64 km E. SD Sisseton KBWS 102.9 rock, with live announcers NY North Syracuse 100.9 WEZG-FM (WSCY); b? TN Henderson WFKX 95.9 soul, strict Kix-96 and other nonIDs, no network; ID as Henderson-Jackson, "Nice-sounding station which seems to get out to a normal class A range"
TN Olivehill WDNX *89.1

FMistakes (FM Atlaserrors)

CA Calexico, map p. 57, is 97.7, not 92.7, KQVO FL Melbourne WCIF 106.3 missing from map, p. 29 Facilities' Changes

AZ Flagstaff KAFF 92.9 100000 h.v; 1510' AR Waldron KRWA 103.1 300' (3000 h.v) CA Grover City KLOI 107.1 685 h.v; 715' CA Hanford KKYS 107.5 18500 h.v. 790' CA Hoopa KIDE *91.3 310 h,v; -780' CA Los Angeles KRTH 101.1 37500 h.v. 3130' CA Needles KWAZ 97.9 2800 I.v; 1570' GA Atlanta WRAS *88.5 100000 h,v; 340'

WABE *90.1 has vertical WRMM 99.7 1030' (100000 h.v) HI Honolulu KQMQ 93.1 54000 h.v (-120') IL Chicago WNIB 97.1 8400 h.v. directional (1190') II Flesh WTPC *95.9 (from 89.7) 17 watts h 190 IN Columbia City WKSY 106.3 1800 h,v; 400' IN Crawfordsville WNDY 106.3 3003 h.v (77') IN Earl Park WIBN 98.3 adds vertical IN Versailles WO VR 103.1 3000 h.v: 300' Mesquite *88.3? [See "New," first column]; goes KS Abilene KABI-FM 98.5 (from 98.3) 100000 h,v;/ KS Wichita KBRA 97.9 100000 h (370') ME Bangor WHSN *89.3 4700 h.v (69') MD Hagerstown WXCS 106.9 15000 h.v; 870' MI Detroit WORS 105.1 16000 h.v: 785' MN Duluth KDNW *90.5 800 h,v (480') MO California KZMO 94.3 1300 h,v; 445' MO Lebanon KIRK 103.7 100000 h,v; 1000' MO Osage Beach KYLC 93.5 3000 h.v; 300' MO St. Louis KSLH *91.5 100000 h,v; 500' MO Springfield KSMU *91.1 (apparently not movine to 89.1) 5800 h,v; 205'

NJ Atlantic City WFPG 96.9 360' (50000 h,v) NJ Blairstown WFMV 106.3 340 h.v (860') ND Bismarck KQDY 94.5 1120' (100000 h,v) NO Minot KMPR *88.9 (not 89.9), on air in \$, c, NPR network, parallel to KCND 90.5 Bismarck OK Tulsa KWGS *89.5 20000 h.v: 575' OR Klamath Falls KTEC *89.5 210 h.v. 200'[1560'

OR Portland KOAP-FM*91.5 70000 h, 21000v; /

FCC-FN

PA Honesdale WDNH-FM 95.3 3000 h.v: 255' PA Sunbury VOKX 94.1 16000 n.v; 875' TN Sweetwater WDEH-FM 95.3 2800: 135' TX Clear Lake City KMJQ 102.1 1720' (100000hv) TX Denton KNTU *88.1 100000 h.v: 400' sharing time? See Mesquite [new] previous page. TX Hillsboro KJNE 102.5 50000 h.v: 550' TX Mercedes KGAR 106.3 610 h.v: 590' WA Seattle KISW 99.9 1310' (100000 h.v) WI Kenosha W.IZO 95.1 16500 h v: 385' WI Menomonee Falls WEMR 98 3 2600 h v : 330' WI Milwaukee WQFM 93.3 12500 h,v; 990'; reduces coverages

SLOGANS NON/IDs

he kindly says.

more favorable site.

GA Manchester WVFJ-FM 93.3 Victory-93 GA Marietta WKHX 101.5 spell it Kix, not Kicks NY Middletown WKG L 92.7 no nonID listed as ABC-FM affiliates, but I called and they list them as affiliates! READERS' REPORTS

Keep translators where they are in the FM At-

las implores Nick Lombardi, "One of the advan-

have a complete integrated list of all signals

in the FM band which he is likely to encoun-

ter." with possibly a section "FM translators

by originating station." Nick sent a nice let-

ter to the Audio Amateur (2-84) recommending

my book to FMophiles. Nathaniel Elv said he

zons, which Bill Draeb sent him, "We're all

lucky to have your unending work in FM-DX,"

lion, so watch it become commercial rock. A

time-share is hoped for with KNHS *89.5 so

ues in its silent ways, saying that it was

(KUOW *94.9 Seattle), and was hoping for a

KRAB programming can continue.

read some of my early articles in DXing Hori-

KRAB *107.7 Seattle has been sold for \$4 mil-

Paul Wardell says K280AC Vancouver WA contin-

having difficulty getting the primary station

Family Radio confirms it is not behind all the

religious community foundation FM stations be-

ing applied for around the country. KWES in

Monahans 102.1 has the best signal into Fort

Stockton besides local KPJH, says W. M. Beck-

ett. KDNW *90.5 Duluth wrote John Ebeling to

say that his cabin reception of WOJB *88.9 in

his receiving antenna away from their Chisholm

Here's Tim Mc Vev on car radios. "The Detroit

markets. I enjoyed Tom Cornell's comments in

your column. How true they are! I think the

tremendous amounts of time and money spent to

insure compatability with one car, one anten-

sive testing to ensure reasonable performance

the ground plane effects of the car body, the

power supply and 135-y spikes dumped into the

electrical system by the alternator, etc. . .

length and type of antenna and feedline, the

na, one feedline. The radios undergo exten-

factory jobs are far superior to the after-

secret to Detroit's radio success (and the

justification for their high prices) is the

Hayward may be improved by directionalizing

MN translator on the same frequency.

tages of the current arrangement is that a

traveler can go into an unfamiliar area and

IA Council Bluffs and NE Kearney KOKO & KOKY. only take ABC commercials and specials, so I don't

"Clear Stereo " music now m TN Chattanooga WDOD-FM 96.5 96-Country TN Milan WYNU 92.3 The New 92 TX Monahans KWES 102.1 102-FM and K-Wes

MULTI-CITY IDs

OK Edmond KCSC *90.1 adds Oklahoma City;no non-ID PA Ephrata WIO V 105.1 adds Lancaster PA

TN Jackson WKIR 104.1 uses Jackson-Humboldt-Henderson-Milan-Brownsville-an unprecedented five-city IDI

FORMATS/NETWORKS

CO Alamosa KRZA *88.7 Spanish-English bilingual, 280 watts h.v:-335' FL Plantation Key WXOS 100.3 rock

IL Oak Park WBMX 102.7 ABC-FM MI Holland WKLO 94.5 back on air-rock (top 40). \$tereo, studios in Grand Rapids MI.

OK Edmond KKLR 97.7 (and Oklahoma City xltrs) MO Kansas City KLSI 93.3 ABC-Direction MN Hibbing WMFG 106.3 rock NY Buffalo WBEN-FM 102.5 ABC-FM NC Henderson V. YFL 92.5 gospel ND Famo KDSU *91.9 jazz OR Corvallis KBVR *88.7 progressive rock. / OR Portland KUPL-FM 98.5 ABC Direction SD Brookings KESD *88.3, KUSD-FM *89.7 Vermillion, KTSD-FM *91.1 Reliance (all identify together), jp jc SD Porcupine KILI *90.1 no network; never has any NPR programs been beard or 'emil TX San Antonio KSAQ 96.1 rock, Q-96 WI Ashland WATW-FM 95.9 kountry CA Los Angeles KXLU *88.9 adds Spanish weekends WI Hayward WHSM-FM 101.7 k[ountry] WI Madison WMGN 98.1 rock, Magic-98

carry daily network newscasts, let me know

and I will remove the network listing from

Chrysler sold me on U. S. factory radios: they maintain a huge plant here in Huntsville devoted to the electrical components of their cars. The radios are designed, tested, redesigned, re-tested and finally manufactured at Huntsville Operations. I work with one of their ex-engineers at NASA, who has been kind enough to tell me of his specific duties in the testing of their digital models. Ouite impressive! Perhaps one should consider all that when one balks at a \$500 price for just

thom!

95.8VHF Stereo/1485kHz

an AM-FM pushbutton with three speakers!" Tom Haskett sent as a logo for the "UK Edition of the FM Atlas": anvone want to be a foreign licensee of this book? Seriously, a Chicago firm is interested in buying the Atlas and having me stay

on for a management fee. Not sure I'm interested; depends on what offer may come. Jim Pizzi sent an article from the Albuquerque Journal on KRZY call letters being a real K-Joy, and listed KQEOldies, KRKE, KRST for Sandia Crest, KLYT, KUNM, KHFM High Fidelity music and the crazies--KRZY, KRAZ, KRZE in Farmington and KRSY in Roswell.

CONTRIBUTORS W. M. Beckett, Fort Stockton TX; P. L. Boersma. Spring Lake MI; John Ebeling, Bloomington MN; Nathaniel Ely, Madison WI; Nick Lombardi, Atlanta GA; Tim Mc Vey, Huntsville AL; Dave Paulsen, Napa CA: Jim Pizzi, Lovington NM (who is going to be in CA several months and may send a report from there); Stephen Sprachman, Sunnyside NY; Art Thompson, WFME West Orange NJ; Don Voegele, Seattle WA; Paul Wardell Portland OR; Phil Wells, , chief engineer, KPSI Palm Springs CA; Dr. Richard Wood, Abha, Saudi Arabia ("Though I don't have much to contribute to it, I continue to read and enjoy your column in VUD; it comes air mail; I'm in touch with various WTFDAers. Many people at the post office admire Weldon's [rubber] stamp with my Abha address. As there is less entertainment here and a simpler lifestyle generally, little things like that get more attention."). Also contributing: Tracy K. Wood, Portland OR, who's trying to keep up to date on all the confusing multiple-city identifications in use by hie area etatione

in an auto environment -- with consideration for This page partially typed on an IBM 2pitch Selectric III here on trial. New FM Atlas deadline should be around April 10, so if you have any news rush it in/it will also make this column!

KY Keavy *91,5 WVCT

NORTHERN FM-DX

APRIL 84

79 Ridge Drive Toronto Ontario MLT 1B6 (416) 489-8623

- * Note new phone #. By the time you read this, I'll be done at Carleton for the year except for one exam. This # is good until mid-May, at least. Prepaid calls always welcome; also looks like I may make WTFDA in Jamestown. I hope every one of you can make it. Also I very much hope to make ANARC convention - Toronto is a great place to see sports, party. etcetera, so I heartily recommend ANARC as well. Maybe we can organize a WTFDA GTG at ANARC...just a thought; if you agree, lemme know. ASAP.
- * Some more Winter Es are featured this month, as is my own end-of-season DX which I finally got into order. If you've any DX reports sitting around, send it before the summer rush.

Arnold Lazarus - 333 Candee Ave. #4E - Sayville NY (516) 567-2545 last report cont...

JANUARY 7 1984 E-SKIP 1427 unID 89.1 dual w/ 89.3 FF 1430 KNNS 96.9 MN Grand Rapids 1436 KQDS 94.9 MN Duluth r 1441 unID 93.5 FF o/WRTN 1444 WIMI 99.7 MI Ironwood wx 1456 unID 91.3 // 92.9 // 98.9 EE Anyone needing instructions for defeating the automatic muting circuits on the Carver TX-ll can send a SASE to the above address. It only involves cutting two wires but greatly improves the useabilitw of this incredible tuner.

EDITOR'S NOTE: 89.1 is Fort Frances ON French CBC) 1459 CFNO 93.1 ON Marathon r for sure (I'm not certain of calls) & 89.3 is 1500 CITI 92.1 MB Winnipeg r "City-FM" CBON-20 Thunder Bay, ON as well. 93.5 is CKSB-7 1510 CFOX 92.9 MB Selkirk in Kenora ON - I doubt Zenon Park SA as lower pow-(er & out of your target area by a lot. CKSB is CBC French, despite no CB., calls, 91.3, (-92.9 and 98.9 EE are most puzzling & I'll have to research solutions. Were they CBC?-saul.)

DAVE NIEMAN SENT A BRIEF NOTE TELLING ME A PAST COLUMN WAS LATE (SORRY) & THAT ON JAN 7/84

HE HAD ES TO MARITIMES ON FM & COT 7 NEW FM'S FROM THE AREA. HOT DAMN & SORRY I MISSED ON THAT. SEVERAL PEOPLE SEEMED TO CLEAN UP THAT DAY-ed.

Harry Hayes - 9 Henry Street - Wilkes-Barre PA 18702 EST GE Superadio/Radioshack FM \$ Rabbit

ears/Radioshack FM \$ amplifier.

NOVEMBER 3/84 Es 2040 WOID 93.7 MS Biloxi r "94-QID" 24 GW from THORNHURST PA WSBG 93.5 PA Stroudsburg, ex-WVPO. r DECEMBER 3 Es 1622 WFUZ 93.7 FL Ocala QTH ment. 1638 WPCV 97.5 FL Winter Haven 1641 WDIZ 100.3 FL Orlando r, just like it has been for years.

1654 WINZ 94.9 FL Miami Beach ads & soul mx JANUARY 7 1984 Es

1208 CHOS 95.9 NF Rattling Brook ending "American Top 40" prgm w/Kasey Kasem; then into audio equipment maintenance feature.

The DX is there this winter as you can see. I had an interesting experience Jan 7/84: I purchased a \$ FM amplifier that morning at Radio Shack, to couple with my FM rabbit-ears. I got home around 1140 and tried it on my Superadio. I first tested it on normally scratchy WHCU-97.3 Ithaca NY, (85 mi. away) & noted quite an improvement on this. Then I went down to 96.9 & noted a strong signal w/ fades. "Wow, could this be how Utica NY comes in on this thing?" I said to myself. Then I went to 95.9 & another strong signal there! A Coca-Cola ad after a moment with the words "...the number one taste in CANADA..." To my dismay. I

suspected an Es opening was going on. I checked TV and noted Es to Maritimes. I was slightly dismayed because my amplifier wasn't quite as super as I thought for a few moments. But don't get me wrong; I'm more than satisfied with the performance of the amp, on an indoor antenna. I've a moderate amount of overload due to my strong locals but most of this can be controlled by the tuner on the rabbit-ears. I wouldn't recommend the amp, to all DXers in cities like myself, when using rabbit-ears because you must account for overload. (ed: I changed the wording cause I was unsure what you meant. If I'M wrong lemme know & I'll re-print) This amp gratly improves reception without too much overload. Literature enclosed with amp says it provides 18 dB of gain accross entire FM band. W/ the rabbit-ears by the North window in my house, I get perfect reception from: WMRV-105.7 NY Endicott & WAAL-99.1 NY Binghamton (65 miles away) & WKSB-102.7 PA Williamsport (70 mi.) when these were scratchy, before. I've already seen what this unit does during Es & in a minor Tr opening to upstate NY before the onset of a snowstorm Jan 8 (perfect reception from WQNY-103.7 NY Ithaca from a SOUTHERN room in the house here), with temps outside only in the teens. This should be fun to use here when warmer weather arrives. I now believe, from this, that Tropo isn't the exclusive result of temps above freezing. (Of course not, or we'd clean up 8 mos/yr, heh! As your editor clowns around here, temps 50-60°F in Ontario, & tropo not exceptional, although a bit better than totally dead. It has been kinda dead lately for Tr-since Oct/83;-ed) More Northern next page ...

Bruce F. Elving - 4515 Avenue "E" - Kearney NE 68847

NOVEMBER 2/83 Tr : KDAA 92.1 OK Woodward w/ \$ k "\$-92" slogan (not strict).

DECEMBER 16 Es: 1700 CST w/full IDs on WMHT 89.1 NY Schenectady w/\$ & talking-book SCA; WFCR 88.5 MA Amherst w/no SCA and full IDs also. Have a DX-filled 1984! Bruce.

ULTIMATUM: SEND MORE REPORTS OR GET READY TO READ OF YOUR EDITOR'S DX: BURNT RIVER ONT:

AUGUST 16/83 Es 0036 KCSC 90.1 OK Edmond "Mx Mountain" synd. classical prgm. 0118 KMUW 89.1 KS Wichita wx (100°F tomoro) 1705 KHOK 100.7 KS Hoisington (separate opening; this in car going home from work) 16 Tr 0040 WMHE 92.5 OH Toledo 0045 WOSE 94.5 OH Pt. Clinton 0701 WIOT 104.7 OH Toledo "WIOT \$, T's bestr 18 Tr LOVELY OPENING 1800 WTCV 97.7 MI Sandusky dual AM-FM ID 1900 WQRS 105.1 MI Detroit (all other Detroit) 1902 WSAQ 107.1 MI Pt Huron "Q-107" Mutual nx 1755 WMHE 92.5 OH Toledo wx 1910 WIBM 94.1 MI Jackson 1912 WLEW 92.1 MI Bad Axe 1913 WUOM 91.7 MI Ann Arbor 1930 WJIM 97.5 MI Lansing NBC nx 2150 WDBN OH Medina "FM-95, WDBN" (94.9 00PS) 2152 WDJQ 92.5 OH Alliance 2157 WMJI 105.7 OH Cleveland "Magic 105.7" other Clevelands in as well 2200 WMBI 90.1 IL Chicago g QTH ID 2201 WIAA 88.3 MI Interlochen 2206 WNCO 101.3 OH Ashland wx nx 2230 WEMU 89.1 MI Ypsilanti 19 Tr 0100 WAUP 88.1 OH Akron s-off 0102 WKAR 90.5 MI E. Lansing s-off 0102 WDCB 90.9 IL Glen Ellyn ment "OHARE" wx 0130 WFSE 89.1 PA Edinboro AS SOON AS I FIND THE LAST PAGE OF MY LOG. I'LL FINISH OFF FROM 25 AUG; IT DIDN'T END 25 Tr

THERE, OVERALL SUMMER GOOD FOR TR & NOT TOO EXHILIARATING FOR E-SKIP.

AUG 19 cont Tr 0210 WAEZ 97.5 OH Akron b 0215 WKWK 97.3 WV Wheeling "97WK" r wx 1800 WCVJ 90.9 OH Jefferson g 2305 WIAA 88.3 MI Interlochen 1cl nx 21 Tr 1030 WBLV 90.3 MI Twin Lakes c 1113 WMUS 106.9 MI Muskegon "MUS" r & oldies 1115 WOWQ 104.5 MI Muskegon b "Your FM dial setting is 104.5 WQWQ" 1133 WBL 94.5 MI Holland g UPI nx,1cl nx 1135 WCEN 94.5 MI MtPleasant k "94 Country" 1208 WWRM 106.7 MI Gaylord "Warm-107" 1800 WGTE 91.3 OH Toledo "FM-91" wx 1855 WMEX 100.9 OH Clyde no ID but SS hrd & they're supposedly a SS stn. 1856 WQRS 105.1 MI Detroit All D's in 280 1859 WIOT 104.7 OH Toledo "FM-104" & phone number for stn given as 240-1047" r 1900 CBON-?104.90nGogama FF CBC // 96.5 2300 WQED 89.3 PA Pittsburgh c 2301 WDUQ 90.5 PA Pittsburgh j 2358 WCSB 89.3 OH Cleveland wx AP NEWS 0009 WWST 104.5 OH Wooster 1cl nx UPI nx 2130 WRIF 101.1 MI Detroit 2304 WMBI 90.1 IL Chicago (well after rain began & cx dead!) g wx nx...on rabbit ears! 24 Tr 2005 WMHE 92.5 OH Toledo 2011 WMBI 90.1 IL Chicago again 500 2300 WHMQ 100.5 OH Findlay

Your editor gets dee-ex from Ottawa for first time ever (FM: that is) so... OTTAWA ON

AUGUST 10/84 Tr 18 cont. Tr 1315 WMJQ 92.5 NY Rochester rp "Q-92", "all Rollin' on thru to visit cause I couldn't face the reality of goin' back to work after Dunkirk...probably typical summer cx 0754 WVOR 100.5 NY Rochester OS14 CKMF 94.3 PQ Montreal FF OS15 CHOM 97.7 PQ Montreal r "showm" EE 0816 WSNN 99.3 NY Potsdam "Potsdam-Canton" 0817 CFGL 105.7 PQ Montreal FF O155 CKOI 96.9 PQ Verdun "C'est Quoi"ID FF r 0200 CFQR 92.5 PQ Montreal EE \$ment in ID 0203 CJFM 95.9 PQ Mtl EE wx mr "FM96CJFM" 11 Tr 0012 CIEL 98.5 PQ Longueuil FF "see-elle-MF" 17 Tr 1848 WTSC 91.1 NY Potsdam pr 2355 WRRE 107.9 NY Syracuse "FM-108-Country.

WRRB" ment. Merle Haggard (k Mxician) 0012 WPXY 97.9 MY Rochester "PXY" r 182 0022 CBF-9 96.3 PQ Mont Laurier CBC FF mono 0132 WIBQ 98.7 NY Utica "FM99-WIBQ" wx bmmx 0018 CITE-1 102.7PQSherbrooke bmr Mx, FF 1130 WJIV 101.9 NY Cherry Valley g

0032 CFMK 96.3 ON Kingston k "K-96" 29 Tr My first actual duct here begins today! 0745 WOKW 99.9 NY Cortland wx 2348 WHFM 98.9 NY Rochester rp 2359 WDCX 99.5 NY Buffalo "In Defense of Truth" 30 Tr 0007 WGRQ 96.9 NY Buffalo "New mx Hour"prgm. "97 Rock" pr 0008 CJBC-17 95.5 ON Belleville CBC-R-FF mono 0759 CFMP 101.5 ON Peterborough OCTOBER 1 Tr 0000 WEZO 101.3 NY Rochester b "FM-101" "Community Calendar, a Publ. Serv. Anct of ..." 0001 CKFM 99.9 ON Toronto mr (my home town!) 0002 CKO-2 99.1 ON T.O. not 106.9 Ott. image as some separate prgmg. all nx.stn. 0005 CEF-8 100.1 PQ Trois Rivières FF CBC mono 0009 CBMB 91.7 PQ Shertrooke CBC HE mono

the rest next mo or if more rpts 2 fill a page 73's & the best of DX, SAUL.

0430 103.9 WLEN MI Adrian k "wxwatch forecast"

0408 WMEE 97.3 IN Ft Wayne r

hits all the time"

182

Danny Buntin 1312 N. Skyline Stillwater, CK 74075

DEADLINE: 10th

APRIL 1984

TRANSLATOR BOOM VICTIMIZES YOUR EDITOR

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 (505)396-3251 - 12-5 to 2-6 MST 12/5-83 ms 1350 unID 98.1 east or n. east "..across the street from the Coreville(??) post office ... " 1355 unID 98.1 east or n.east "...moving KLCU", KLZU? 12/24 tr westward from La Grange, GA ... " 1432 unID 98.1 east or n. east "...winning FM ..., r. 1506 WWJO 98.1 MN St. Cloud, "...in central MN..." 12/6 ms 1/5 Es 1005 WWJO 98.1 MN St. Cloud, nx 1010 KOED 1009 unID 98.1 east or n. e. "... KGD..." portion of calls? 1028 WTFM 98.5 TN Kingsport,"...WT..." 1197 1/13 tr tr 1040 KCFO 98.5 OK Tulsa, calls 12/7 ms 1103 WXXQ/WACF? 98.5 IL "..from the IL farm Bureau in..." 1628 KFAN 101.1 TX Fredericksburg, ID from 104.3 12/20 tr 1209 KSNY 101.7 TX Snyder, ads, r, \$

12/23 tr 2300 KIOF 104.7 TX Lamesa, very weak, exciter only? or like 100 watts. 2341 KLCU?101.9 s. east, k, "continuous mx TD @1758 1634 KGNZ 88.1 TX Abilene, g, xmas mx 216 1032 KWWM 98.3 TX Stephenville, tent, EZ 88.5 CA San Francisco, c 1012 KCSM 91.1 CA San Mateo, tent, c 1024 KUSF 90.3 CA San Francisco, calls " 0945 KPLX 99.5 TX Fort Worth, hrd. on fm 368 vert. only. KRLB only on fm horz., seldom 0952 KWES 102.1 TX Monahans, r,\$, new on air, "K-WES", "102-FM" 1/16 tr 2216 KISK 104.1 NM Santa Fe,\$,m, phone no. 2224 XHTO 104.1 CHIH Juarez, ID off freq (big bands)240 1910 KLIR 100.3 CO Denver, ".in Denver.." 465 2/1 tr 1631 KANZ 91.1 KS Garden City, nx

A productive report period but not much DXwise. Conditions have been down. I'll be in California for awhile til June or July, so I'll miss out this year. I'll keep an ear open in so. CA for any FM happenings and report on it. Just got the 1984 WRTVH. They put postage stamps on the envelope dating from 1947(six 3 cent "stamp centenary" commemoratives) and 1952(6 3 cent "reclamation" comm.) worth much more than 3 cents(block of 6 in mint condition probably \$2 to \$3) very strange, probably torn form a mint sheet, too!! 73's.

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

While inspecting the band for the latest developments in this year's plague of new stations, I found myself victimized by KCFO's (Tulsa) ever growing network of translators when I unexpectedly discovered their new local one for Stillwater on 102.3 had hit the air. ruining one of my best DX channels. To my surprise, I noticed the translator's stereo was not fully quieted while over on the main station the stereo seems fully quieted. The translator's SCA is somewhat noisier than that on the main station. Is this typical quality to expect from a translator? In using just a T-wire for an antenna, I found the translator had little advantage over the main station. To me, the translator was redundant. I wrote to KCFO in protest over this, saying their Stillwater translator made about as much sense as carrying coals of inferior quality to Newcastle and suggested the translator be dismantled and moved to a more distant, more needy city such as Enid, CK. In another case the situation is even more ridiculous with KKIR Edmond's OKC and Moore translators being barely located outside that station's primary reception circle. Ferhaps it's their scheme to build from dismal ratings rather than to better serve established listeners. On the other hand, looking at the situation from an average listener's point of view, rather than a DXer's (painful as it may be), I can see how translators are going to be filling serious needs. Because most people have a "passive indifference" regarding the need for a good FM antenna, according to a consumer publication article on outdoor/indoor FM antennas published 10 yrs.ago; I feel such an attitude is still true to a great extent today. If a T-wire is used, it's probably not up and spread out to avoid it becoming an eyesore. In that way the translator signal will be superior to the main station every time. But speaking from a DXer's point of view I would sure like to see this translator madness brought under control. It has the potential to go to far, possibly putting our hobby at stake unless one lives in the most remote boonedocks. REPORT your FM DX to SFM if you're from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA MD, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV.



David J. Nieman 12284 Nice Road Akron. NY 14001 April 1984

PHOTO-NEWS

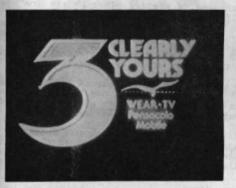
Seems like the only way we are going to see any tropo or skip is in this column. So far, I've seen UHF tropo out to 400 plus miles only once this year; and that was nothing to warm-up the VCR over. Now on to the photos. This month our skip and tropo openings are from, Paul Gaines. Nate Bly and Jim Pizzi.



WKEF-22 Dayton, Ohio at 190 miles via tropo



WBLN-43 Bloomington-Normal, IN 190 mile Tr from August 1983 (NE)



WEAR-3 Pensacola, FL 870 mi. Es from the summer of 82 (CP)



KCBR-17 Des Moines, IA 245 mi. Tr from August 1983



-- KSNT-27 Topeka, KS 585 mi. Tr June 20, 1983 (JP)

Many thanks to: Paul Gaines (CP) - Detroit, MI Nate Ely (NE) - Madison, WI Jim Pizzi (JP) - Lovington, NM for their participation.....

Dave

MPDW

DX GET-TO-GETHERS AND REGIONAL DX CLUBS

After many years as a DX'er and a member of WTFDA, I had not met another DX'er. I knew they existed because I had met people who had DX'ed but dropped the hobby for one reason or another. I was getting to believe that our hobby was for single individuals and that DI'ers were few and far between. When a DX get-to-gether was finally held in a location that I could get to, I was excited about going. I was very surprized and delighted with the people I met.

My first DX get-to-gether was the 1982 WTFDA Convention in Staten Island. I was nervious about meeting some of the big wigs of DX'ing. I was afraid that I would not be accepted. My DI'ing was nothing to brag about. I had no super antenna setup. I had no stories of 2000 mile Es catches or super Tropo openings.

When I walked into the convention, there were a bunch of guys (Do female DI'ers exist?), some older, and a few others my age or younger. As I started to introduce myself, I began talking with my co-hobbyists. Here were real live active DX'ers! I realized many things about these people. They were people like me. They too, spent many hours chasing ID slides of stations on Es. While some were very technically inclined, many others knew as much about the inner workings of a television set as I did. My antenna system, which I thought was very poor, turned out to be quite suitable for the hobby. I was delighted with the activities of the convention. I saw pictures of stations that I also had received. I learned many things about our hobby and the people who DX'ed. I came away from the convention with a new sence of confidence in myself and the hobby of DX.

Unfortunately, conventions and my chances of meeting other DX'ers are too infrequent. Conventions are usually held once a year in locations that are not always convienent for me to attend. And, you do not meet all the DX'ers in the area. There are many DX'ers in New York, yet only a few who are interested in TV and FM DX would attend a WTFDA convention. There could be a shortwave DI'er or a BCB DX'er a block away. I began wondering what was the best way to bring all the DX'ers of an area together?

In several areas, DI'ers have done this by having regular DI Get-to-Gethers and forming local DI associations. Many publish their own bulletins. Most accept all DX'ers, from longwave to the utilities. This allows a DX'er to meet his neighbor and to learn about other aspects of DX'ing.

If you live in an area with a local DX association, you should consider joining. You will get a lot of enjoyment out of it. A list of these clubs as well as all the other ANARC member clubs can be provided by writing to ANARC - 1500 Bunbury Drive - Whittier, CA 90601 - U.S.A.. You must include a SASE with your request.

If there is not one in your area, then you may want to start one. Start with a get-to-gether of your own. The experience of taking part in the formation of a DX association is invaluable. Here in the New York City area, a local DI'er, Greg Baker, has started to get the ball rolling by offering to hold a monthly DX get-to-gether. For more information, give him a call in the evening at 212-853-1427. If you have any experience in forming a DX association or would like to form one in your area; I'd like to hear from you.

Hopefully by now you have made your plans to attend this years ANARC Convention in Toronto, ON Canada. If not, and you would like to attend, send a self addressed envolope with an unattached 20 cent stamp to, ANARCON '84 Ontario DX Association - Post Office Box 232 - Station Z - Toronto, ON M5N 2Z4 Canada. The dates for this year's convention are July 20, 21, and 22. The next ANARC Update will have more on the convention.

For those who like to plan early, the 1985 ANARC convention will be held from July 19 to 21 in Milwaukee, WI.

I received a letter from Alan Hyams, he enjoyed my account of European radio. Right now my wife and I are planning a trip to Colombia and Ecuador. Sometime before the end of 1984, I plan to have an interesting account of FM radio in these countries.

On the UNESCO situation; the U.S. Government is still studying the situation and may not end up pulling out. Several of the other Western Nations have shown their dissatisfaction with the situation. For those who listen to shortwave, Radio Netherland's MEDIA NETWORK updates the satellite TV situation in Europe from time to time, and they have explained some of the methods that countries can use to block out the signals from reaching their citizens. The methods run from the harmless, like not making the receiving equipment available, to the distructiveness of jamming the unwanted signals.

Well, this is enough typing for one night. Until next time, may 1984 bring the best of Tropo yet.

WTFDA CLUB **SUPPLIES**



COMPLETE LISTING OF NORTH AMERICAN TV STATIONS, W/T MAPS FOR EACH CHANNEL; SPECIAL WTFDA MEMBER RATE! ONLY A FEW ARE LEFTORDER NOW!!! THE ONE EVERYONE HAS TO HAVE FOR SUCCESSFUL FM DXING. THIS IS THE SINGLE MOST COMPLETE SOURCE OF INFO ON THE FM BROADCAST BAND. SORRY, WE ARE ALL SOLD OUT	\$8.00
THE ONE EVERYONE HAS TO HAVE FOR SUCCESSFUL PM DXING. THIS IS THE SINGLE MOST COMPLETE SOURCE OF INFO ON THE FM BROADCAST BAND.	\$7.45
SORRY, WE ARE ALL SOLD OUT	KIN
FROM PM or TV STATIONS, BLK on YEL	50 for \$2.00
	\$2.00
AVAILABLE IN SIZES SMALL-X-LARGE ORDER FROM DAVE NIEMAN-12284 NICE RDAKRON, NY 14001.	\$7.00
COOPER, JR. THE LIST IS NOW SOME- WHAT DATED. BUT THE DY TIPS AND INFO	\$2.00
	ATTRACTIVE CASES DESIGNED TO KEEP YOUR COPIES OF THE VUD ORGANIZED. 3-AVAILABLE IN SIZES SMALL-X-LARGE ORDER FROM DAVE NIEMAN-12284 NICE RDAKRON, NY 14001. LISTING OF UHF TRANSLATOR STATION IN THE CONTINENTAL U.S. WITH 10 OR MORE WATTS OF TRANSMITTER INPUT POWER, AND A BASIC INTRO TO TRANSLATOR DXING BY EXPERTS GLENN HAUSER AND BOB