



# WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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YINGLING, JR.

## FROM THE STAFF:

**STUDENT MEMBERSHIP-special rate:** In an effort to encourage members to remain active in the WTFDA while continuing their education we are pleased to offer a special \$15 student member fee. The new rate is now available but is not retroactive. To qualify, enclose a copy of a current student ID card or schedule of classes with your next renewal. The discounted rate will take effect at that time and continue in force until the first renewal date after your student status has ended. This rate is available to all full-time students regardless of age.

**WTFDA ON THE "WEB":** If you have access to the World Wide Web, you'll want to check out the club's home page. To get our presence established, David Austin of Fairfax, VA transformed what had been his personal home page into a showplace for the WTFDA...and it's a site in which we can take great pride. In addition to a considerable amount of information about the club and the hobby in general, there are links to other areas of interest to dxers. Numerous additions are already in the planning stages. Here's the address:

<http://www.crosslink.net/~fdaustin/wtfda.html>

Those who don't have access to the Internet should consider visiting a friend who does...just to take a look at what we have to offer. You WILL be impressed!

**IMPORTANT DATES:** The WTFDA annual convention...August 9-11 in Estes Park, CO. Host Jim Thomas has set up an agenda second to none. You'll find more information elsewhere in this issue. Jim recommends that you arrange with a fellow dxer to share a cabin and get your reservation in early. The folks at Dripping Springs would also appreciate prompt attention. The IRCA (International Radio Club of America) will be holding its 1996 convention July 19-21 in Ocala, FL. Lee Freshwater (also a WTFDA member) will be hosting. Last, but not least, The NRC (National Radio Club) will convene Labor Day weekend in Knoxville, TN. Steve Francis will be the NRC's host.

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## FROM THE STAFF---continued:

**1997 WTFDA CONVENTION BIDS:** The final step in long range planning of WTFDA conventions will begin next month with solicitation of bids for next year's get-together. Although there is no way of knowing who will bid; a few members have expressed interest in several possible sites...Southern Ontario, the 'Outer Banks' area, and west-central Illinois. If you live in any of those locales, please give some extra thought to volunteering. Of course any member will be welcome to bid. More on this next month.

**TELECONFERENCE:** Three members of the Board of Directors got together by way of a conference call in late January. The exchange was very productive and resulted in finalization of several pending actions. Until all Board members have Internet access, more such calls will be used to conduct club business.

**ADDRESS CHANGE:** The new mailing address for virtually all WTFDA correspondence will be announced next month. Until the change takes place, please continue to use the Buffalo address.

**INFORMATION PLEASE!** The 'information highway' has created an increased demand for information about the WTFDA. At present, samples of the VUD are sent to those who inquire...and soon...a brief overview of the club will accompany them. In addition, a special information piece for new members is being prepared for distribution. Thanks to Dave Nieman and Matt Sittel for their efforts in getting these promotional/informational pieces ready.

**ANARC NEWS:** Two items of potential interest to our members arrived too late to receive adequate publicity. One was an announcement of a shortwave listening contest March 4-10; and the other regarding ANARC's Winter SWL Festival March 15 and 16 in Kulpville, PA. Those interested in last-minute information on either of those events should contact Rick D'Angelo via e-mail (INTERNET: r.dangelo3@genie.com). WTFDA will be represented at the Kulpville meeting by Ernie Wesolowski. Among items on the agenda will be the naming of "DXer of the Year". Nominees are Tom Bryant, Mark Connelly and Kermit Geary. Finally, the ANARC home page on the WWW is under construction, and can be accessed at <http://www.funet.fi/pub/dx/text/clubs/anarc.txt>.

**OUCH!!** Icing and high winds resulted in antenna damage for several club members...among them, usually mild-mannered Ralph Strobel of Muncie, IN. Ralph said a really nasty word when commenting about the untimely demise of his setup. (Ralph...you're excused...almost all of us have suffered the dreaded curse of the 'pulverized parabolic!')

**REPORT...REPORT...REPORT!** Send your dx reports to the appropriate column editors. Photos of your dx catches are always welcomed by "TV PHOTO NEWS" editor Jeff Kruszka. Comments, suggestions, and complaints should be directed to "MAILBOX" editor Matt Sittel.

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**March, 1996 Renewal\$ Due:**

Doug Allen, John F. Combs, Edward R. Cotton, Bill Draeb, Frank Drobny, Pat Dyer, Charles Gauthier, Gerard Hart, Carlon Howington, Glenn Jacobs, Neil A. Joslun, Jim Korn, Roger Labeledz, Thomas Leu, Gregory Monti, James J. Nahiriak, David J. Nieman, Jim Pizzi, Robert Seybold, Joseph Smith, Jr., Scott Steenhusen, Richard Steinberger, Phil Sullivan, Pete Taylor, Bob Thomas, Bill Thompson.

**New on the 'Net / E-mail changes :**

David Austin, Fairfax VA	fdaustin@crosslink.net (change)
Mike Condon, Madison WI	M.Condon3@genie.com (new)
Charles Gauthier, Saint-Lambert PQ	chgauthi@atlas.odyssee.net (new)
Paul Mitschler, Albuquerque NM	pmitschler@aol.com (new)
David J. Nieman, Akron NY	dxfmtv@buffnet.net (new)
Steven Paradies, Charlottesville VA	72172.105@Compuserve.com (new)

**\*\* Coming soon: a new WTFDA mailing address!**

The infamous 'PO Box 514' in Buffalo will soon be replaced by a new PO Box in Asheville, NC. Matt Sittel, WTFDA Mailbox editor, will become the 'postmaster general' for WTFDA. There will be some changes, including a separate address to mail WTFDA columns to publisher Bill Thompson. Matt will be handling the membership renewals and general correspondence that is currently sent to Buffalo. Many thanks to Bill Thompson for his time and effort in not only publishing the VUD but manning the mailbox and handling all the details! It's time for others to lend a hand, hence this upcoming change.


A complete explanation of where to send items will appear when the new address is announced.

It's been a quiet month; I don't have any Mailbox correspondence to share...Please contribute! 73s Matt.

**toons** *by* **OLD WEST GRAPHICS**



**"About the radio, you're probably not going to like this.  
 How old is that thing, anyway?"**



# WTFDA 1995 FINANCIAL REPORT

**DAVE JANOWIAK, COMPTROLLER**

"YOUR \$ AND THE WTFDA", published in the October 1995 VUD, described in detail how financial matters are handled for our organization. That article stated that a yearly financial report for 1995 would appear after the close of the year.

The balance sheet shows that WTFDA made almost a \$400 profit in 1995. This improvement is due primarily to several members who renewed for two years prior to the dues increase. That is, without the two-year renewals, expenses virtually matched income. The 1995 WTFDA bank balance is \$2393 at year-end.

Specifically, income and expenses follow:

<u>1995 INCOME</u>	<u>1995 EXPENSES</u>
MEMBERSHIP/MISC      \$6908	DIRECT EXPENSES    \$6435
INTEREST                \$ 71	MISC EXPENSES     \$ 164
-----	-----
<b>TOTAL INCOME            \$6979</b>	<b>TOTAL EXPENSES    \$6599</b>

Virtually all income is from membership. This does not necessarily mean the "current" rate. Occasionally, someone joins based on an "old" rate (person sees an old ad). Sometimes a member sends an amount over the current rate and asks for as many months as that amount will buy. Box 514 even gets stamps for membership.

Direct expenses are for printing and postage invoiced from Bill Thompson. Miscellaneous expenses usually are for stamps, photo work, subscriptions, etc.

The most expensive month for publishing in 1995 was September, about \$900. The cheapest was April, about \$320. These amounts include an average for miscellaneous expenses. Needless to say, we make money on small VUDs, but lose on large VUDs.

Dave Janowiak  
 5023 S. 65 St.  
 Greenfield, WI 53220

**Note:** When asked to prepare this report, Dave Janowiak asked the Board of Directors if it would be necessary to go into great detail with regard to income and expenditures. It was decided that 'line-item' entries would not be necessary. The result was this concise, easy-to-read summary. If you have further questions regarding WTFDA finances, please write Dave at the address shown above.

# COME TO THE ROCKIES FOR THE 1996 WTFDA CONVENTION!



*North Central Colorado highlights the transition between the Great Plains and the high Rockies. From the western edge of its rolling prairie begins the gentle rise of foothills, gaining in altitude ridge by ridge to windswept mountaintops fourteen thousand feet above sea level. Rocky Mountain National Park is a treasure, with an abundance of high mountain lakes, inviting meadows and lofty peaks. The town of Estes Park is a charming vacation community, providing a convenient starting point for scenic mountain drives.*

**With a description like this, who can think about FM and TV dxing???**

You're certain to want to find out about the broadcasting trends that are happening in the Rockies.



**AUGUST 9 - 11, 1996. MAKE YOUR PLANS NOW!!**  
Lodging will be at the Dripping Springs B&B/Cabins, two miles east of Estes Park on US Highway 34. Call 1-970-586-3406 and talk with owners Oliver & Janie Robertson about the rooming choices. We will basically have the place to ourselves if we can fill it up - holds 25 to 30 people. Room rates run from \$74.00 to \$89.00 per night(sleeps two), and a cabin which sleeps three for \$95.00 per night.  
**WANT AN INFORMATION PACKET?** Send \$1.00 (free if you've registered) to Jim Thomas, 4437 S. Stover, Apt. 3, Ft. Collins, CO 80525 and get a complete WTFDA Convention Packet(includes travel information). **MORE DETAILS NEXT MONTH!!!**

**HAVE YOU MADE PLANS FOR THE 1996 WTFDA CONVENTION YET!!??**



**August 9 -11, 1996  
Estes Park, Colorado**

This summer make plans to get a Rocky Mountain high! Also, make plans to attend the 1996 WTFDA Convention at the Dripping Springs B&B/Cabins in Estes Park, Colorado. And then - prepare to swap those horrible war stories of your battling E-skip, tropo scatter and meteor skip signals. Yes, you can do it all with your WTFDA friends. **IT MIGHT BE ONE OF THOSE SUMMERS WHEN YOU CAN SAY - "SEEN THAT, BEEN THERE, DONE THAT!"**

Here's the brief itinerary: FRI. afternoon, evening - Welcome, getting acquainted

**GET A COMPLETE ITINERARY, BBQ MENU AND AREA TRAVEL INFO WITH YOUR INFO PACKET! CHECK THE BOX BELOW!**

- SAT. morning - Breakfast(PROVIDED WITH ROOM) DX Competitions with awards
- SAT. afternoon(early) - Radio station tours in Ft. Collins
- SAT. afternoon(late) - BBQ catered banquet 30 minute seminars
- SAT. evening - DXING and visiting
- SUN. morning - Breakfast, dxing, visits, goodbyes

Please complete this form if you plan on attending. Please mail to Jim Thomas, 4437 S. Stover, #3 Ft. Collins, CO 80525.  **I WANT MY INFO PACKET!!**

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

EVENING TELEPHONE \_\_\_\_\_

Check all that apply:

- CONVENTION REGISTRATION FEE, \$5.00 - Goes towards purchase of drinks/snacks.
- I PLAN ON STAYING AT DRIPPING SPRINGS B&B/CABINS (Reservations 970-586-3406)
- I PLAN ON ENJOYING THE BANQUET(\$12.50 ALL YOU CAN EAT - Pay at convention)

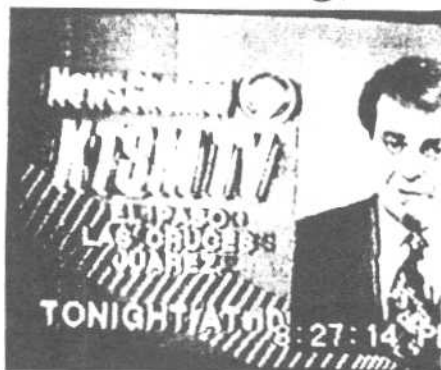


Thanks to all who have been sending in photos. I would like to try to keep this column as expansive as the volume of photos will allow me. This month I thought I'd start by breaking away from the norm and print some vacation ID photos I took over the past year and a half. Though not "true" DX, they will give you a view of some logos and ID slides from some lesser seen stations (at least for the majority of the reporters). You can think of it as sort of a Photo "Logos Run" (my apologies to Tom Yingling!). I videotaped my ID's, then took photos later (for some reason my camera is not centering the shot, so a sliver of the right side of the screen is missing). Let me know what you think.

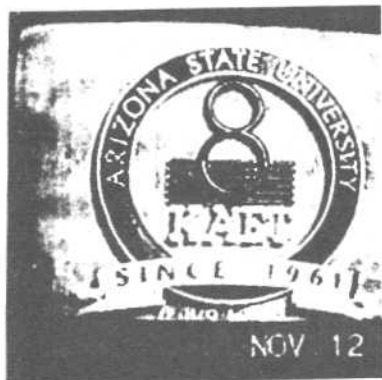
73's. *Jeff*



KFOX-14 El Paso, TX  
seen 11/11/94 (El Paso cable)



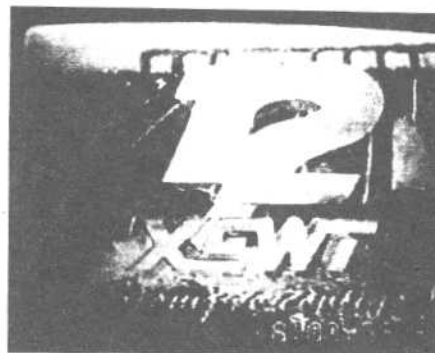
KTSM-9 El Paso, TX  
seen 11/11/94 (El Paso cable)



KAET-8 Phoenix, AZ  
seen 11/12/94 (Phoenix cable)



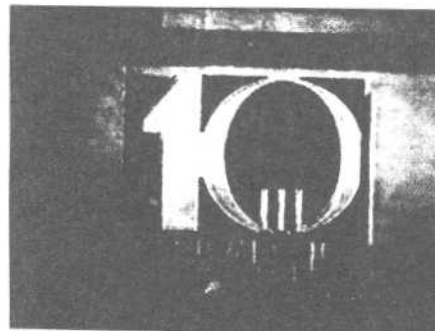
KSAZ-10 Phoenix, AZ  
seen 11/12/94 (Phoenix cable)



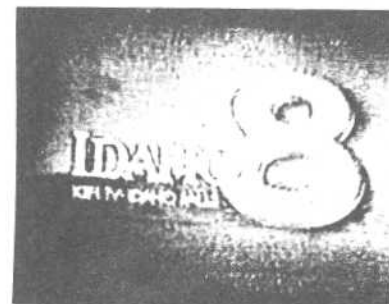
XEWT-12 Tijuana, BCN  
seen 11/13/94 (San Diego cable)



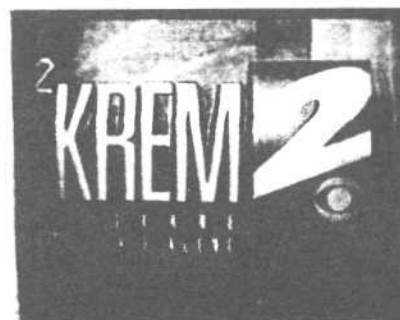
KNAZ-2 Flagstaff, AZ  
seen 11/14/94 (Flagstaff cable)



KBIM-10 Roswell, NM  
seen 11/15/94 (Clovis cable)



KIFI-8 Idaho Falls, ID  
seen 8/7/95 (Pocatello cable)



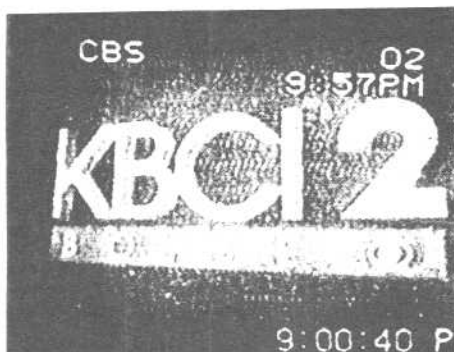
KREM-2 Spokane, WA  
seen 8/8/95 (Lewiston cable)



KLEW-3 Lewiston, ID  
seen 8/8/95 (Lewiston cable)



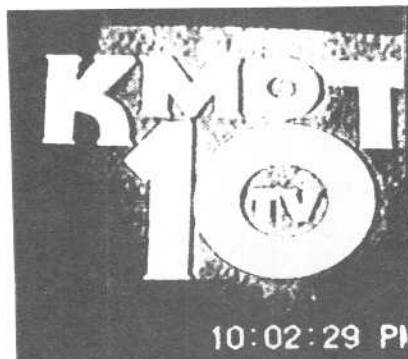
KPDX-49 Vancouver, WA  
seen 8/9/95 (Bend, OR cable)



KBCI-2 Boise, ID  
seen 8/12/95 (Mountain Home cable)



KXMC-13 Minot, ND  
seen 7/20/95 (Minot cable)



KMOT-10 Minot, ND  
seen 7/20/95 (Minot cable)



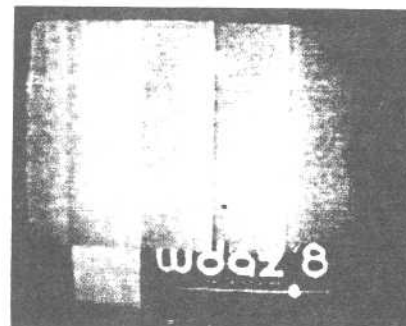
KDLT-5 Mitchell, SD  
seen 7/21/95 (Aberdeen cable)



KDLO-3 Garden City, SD  
seen 7/21/95 (Aberdeen cable)

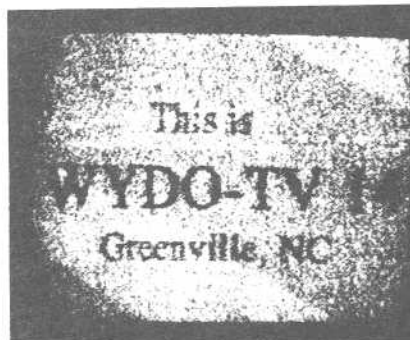


KVLY-11 Fargo, ND  
seen 7/22/95 (Grand Forks cable)



WDAZ-8 Devils Lake, ND  
seen 7/23/95 (Grand Forks cable)

Now more photos from Dave Nieman, from Rock City, NY:



WYDO-14 Greenville, NC  
450 mi Tr seen 8/20/95  
@0348 EST



WHRO-15 Hampton, VA  
374 mi Tr seen 8/20/95  
@0730 EST



WGNT-27 Norfolk, VA  
374 mi Tr seen 8/20/95  
@0800 EST



WCPB Salisbury, MD  
292 mi Tr seen 8/20/95  
@0830 EST

# STATISTICS

Featuring FM/TV Scoreboards, All Time Distance Records,  
States Stats and Personal Best Statistics of FM/TV DXers.  
(Column issued bi-monthly, 1996 Deadlines:  
Apr 5th, Jun 5th, Aug 5th, Oct 5th & Dec 5th)

Fred Nordquist  
7945 Boxford Rd  
Clay, NY 13041  
E-Mail:

fnordqui@erc.ca.syr.edu

FM STATISTICS  
AS OF: 2/13

STATES STATS

UPDATED 2/13/96		TOP 10 FM SCOREBOARD										DEADLINE: THE 5TH				SUBM
DXER NAME	DXER LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	OF:	DATE	
DYER	PAT	TX SAN ANTONIO	2836	441	2327	78	0	44+	4	21	5	75	70	12/31/94	96	
PUGH	KEITH	AL NEW HOPE	2380	382	1324	108	18	47+	7	14	6	75	83	12/28/95	96	
STROBEL	RALPH	IN MUNCIE	2324	621	773	180	7	43+	7	5	2	58	72	01/09/95	95	
CONIGLIO	GREG	NY WILLIAMSVILLE	2056	340	1066	16	32	41+	8	2	5	57	85	10/12/95	95	
BUNTIN	DANNY	OK STILLWATER	2032	344	1210	4	0	48+	5	9	2	65	74	07/01/94	94	
EBELING	JOHN	MN BLOOMINGTON	1924	326	1074	57	89	48+	6	5	0	60	52	01/01/96	96	
FELA	JOSEPH	NJ S. PLAINFIELD	1924	418	1059	2	10	38+	6	0	3	47	68	09/09/95	95	
ELVING	BRUCE	MN ESKO-DULUTH	1833	340	1400	9	8	47+	4	2	0	54	48	02/02/96	96	
BUGAJ	MIKE	CT ENFIELD	1758	245	970	25	23	37+	5	1	3	47	74	11/18/94	94	
NORDQUIST	FRED	NY CLAY	1732	372	865	48	59	42+	5	0	3	51	69	12/29/95	96	

UPDATED 2/13/96		TOP 10 TV SCOREBOARD										DEADLINE: THE 5TH				SUBM
DXER NAME	DXER LOCATION	TOTAL	UHF	LPTV	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	OF:	DATE
KADET	JEFF	IL MACOMB	1433	947	441	245	3	0	45+	7	11	7	71	83	05/28/95	95
SEYBOLD	BOB	NY DUNKIRK	1335	771	225	217	30	6	49+	7	1	5	63	50	01/01/96	96
GARCIA	FERNANDO	NL MONTERREY	702	467	173	107	0	0	31	0	8	5	44	91	12/31/95	95
SIEGEL	GARY	OH TOLEDO	632	299	45	147	0	0	39+	6	2	2	50	70	11/12/94	94
FERNANDO	GARCIA	NL CD. GUADALUPE	560	356	117	96	0	0	30	0	7	5	42	91	03/19/95	95
NIEMAN	DAVID	NY AKRON	556	366	77	90	5	0	37+	7	0	0	45	84	03/01/94	94
BARSTOW	ROY	MA TEATICKET	515	317	90	99	5	1	36+	7	0	1	45	71	10/24/95	95
DYER	PAT	TX SAN ANTONIO	478	148	9	195	64	0	42+	5	16	4	68	59	12/31/93	94
CONIGLIO	GREG	NY WILLIAMSVILLE	446	269	43	93	0	0	35	6	0	2	43	86	10/14/95	95
NIEMAN	DAVID	NY ROCK CITY	425	309	69	36	0	0	32+	5	0	0	38	91	10/02/95	95

NOTE: THE FULL SCOREBOARDS WILL RETURN NEXT TIME - FRED.

## WTFDA DX AWARDS PROGRAM

EXTENDED DEADLINE - 4/10/96

To give DXers ample time to tally up their 1995 DX accomplishments

- Annual DX Logs: - FM 1st Place & Runner Up - TV 1st Place & Runner Up (Notes 3 thru 4 Apply. No relogs.)
- Annual Records: E-Skip greatest distance - 1st Place FM/TV 1 ea.  
Tropo greatest distance - 1st Place FM/TV 1 ea.  
Au greatest distance - 1st Place FM/TV 1 ea.  
MS greatest distance - 1st Place FM/TV 1 ea.  
(Notes 1 thru 4 apply, except relogs are permitted)
- Single Day Event, Greatest log 24 hrs: E-Skip: 1st Place Tropo: 1st Place Au: 1st Place MS: 1st Place (Notes 3 thru 4 apply, except relogs are permitted.)
- Hall of Fame - FM 2000+ logs - TV 1000+ logs (Notes 3 thru 4 apply. No relogs.)

### Notes:

- Greatest distance entries will be recalculated by Statistics Editor-using DXers location and stations city of license grid coordinates.
- Records must be log documented: i.e. Date/Prop/Time/Freq(MHz/Ch)/Call/Location/ID criteria.
- Loggings are to be in accordance with groundrules for computing totals cited in the Feb 95 VUD and reprinted in this issue. (1 DX location only, within 25 mi. radius).
- 1995 Entries will be accepted for loggings made 1/1/95 thru 12/31/95. This program is open to current WTFDA members who submit entries to the Statistics Editor (Fred Nordquist) via e-mail or snail mail, and received by the revised cutoff date of 4/10/96. Announcements of recipients of DX Awards will be published in the May 96 VUD Statistics Column. Professionally prepared certificates by Jim Thomas (Old West Graphics) are now on hand and will be awarded to recipients by May 96.

This is your last chance to review your 1995 logbook and tally up and submit those possible award winning categories. Again, as a bonus to Hall of Fame award winners, I'll donate a printout of personalized DX distances. Any suggestions for improving future DX Awards programs are welcome. Fred.

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER
USA					USA(CONT)					CANADA					MEXICO				
AL	163	KPU-	69	MS12	MT	30	JJE2	28	JEB2						AGU(AG)	2	MS12	1	JP1-
AK	11	JJE3	0	None	NE	80	MNA-	54	KPU-	AB	30	JJE2	29	JJE2	BCM(BN)	16	PDY-	10	FMC-
AZ	51	PDY-	39	JJE2	NV	28	PDY-	24	DBU-	BC	20	JJE2	11	JEB2	BCS(BS)	1	PDY-	1	JZO-
AR	86	DOO-	63	DBU-	NH	35	RST1	17	AMI-	MB	15	FMC2	13	FMC2	CAM(CS)	2	KPU-	1	SW1
CA	428	JJE2	135	PDY-	NJ	89	JFE-	73	RSM-	NB	11	FME1	7	RST1	CHI(CI)	9	FME1	9	MHA-
CO	122	DAL-	85	KPU-	NM	69	KPU-	51	JJE2	NF	13	JFE1	13	DN11	CHP(CH)	3	PDY-	0	None
CT	49	MBU-	42	AMI-	NY	244	FNO-	198	DN1-	NS	15	FME1	11	KPU-	COA(CL)	12	KPU-	8	FME1
DE	19	DOE-	17	JFE-	NC	124	MS11	91	PDY-	ON	133	DN1-	131	GCO-	DF(DF)	21	TMC-	21	JP1-
FL	175	MS12	168	PDY-	ND	34	FMC-	34	FMC2	PEI	2	JFE-	2	RST-	DUR( )	1	PDY-	0	None
GA	131	KPU-	114	PDY-	OH	242	RST-	177	FME-	PQ	31	DN1-	29	GCO-	GRO(GR)	7	PDY-	1	JP1-
HI	29	SRE1	0	None	OK	139	DBU-	131	JZO-	SK	12	FME1	10	JJE2	GTO(GN)	9	JP1-	2	TMC-
ID	28	DBU-	28	PDY-	OR	31	JP1-	29	FMC2	NMT	1	WHE2	1	JJE2	HGO(HD)	1	JP1-	0	None
IL	225	FME1	222	RST-	PA	172	DN11	145	JFE-						JAL(JA)	12	TMC-	10	PDY-
IN	219	RST-	132	DBR-	RI	14	WNO-	14	RST1	FOREIGN					MEX(MC)	3	JP1-	3	PDY-
IA	127	JEB-	120	BR-	SC	74	PDY-	61	MS11	CUBA	6	RST-	6	KPU-	MIC(MH)	3	JP1-	1	PDY-
KY	106	DBU-	90	TBR-	SD	48	KPU-	40	JJE2	BELIZ	3	PDY-	3	KPU-	MOR(MR)	5	PDY-	3	JP1-
KS	120	RST-	80	KPU-	TN	165	KPU-	95	DSM1	BERMU	3	DN1-	3	GCO-	NL(NL)	20	SW1	19	KPU-
LA	77	JFE-	73	GCO-	TX	339	PDY-	235	KPU-	EL SA	8	PDY-	4	SW11	OAK(OX)	1	JP1-	1	PDY-
ME	47	RST1	41	KPU-	UT	33	PDY-	23	FME1	GUATE	20	PDY-	5	SW11	NAY(NA)	1	PDY-	0	None
MD	61	JFE-	54	DOE-	VT	20	KPU-	17	RST1	HONDU	5	SW11	3	PDY-	PUE(PU)	5	PDY-	4	TMC-
MA	105	RST1	77	MBU-	VA	67	MS11	66	JFE-	JAMA1	29	KPU-	11	MS12	SIN(SN)	3	JJE2	1	DBU-
MI	173	RST-	139	FME-	WA	46	FMC2	35	DAL-	PUERT	4	KSI-	1	DN1-	SLP(SL)	2	TMC-	2	KPU-
MN	227	JEB2	218	JEB-	WV	68	GMA1	40	RST-	D.REP	1	MS12	1	KSI-	SOM(SO)	8	JJE2	5	PDY-
MS	96	KPU-	64	TMC-	WY	143	BEL2	140	JEB-	BAHAM	2	KPU-	1	WNO-	TAB(TB)	4	KPU-	2	PDY-
MO	175	GMO-	143	FME1	WJ	31	RST-	26	PDY-	COSTA	6	SW11	6	SW11	TAM(TM)	25	SW1	21	KPU-
					DC	14	GMA-	13	DN1-	CAYMAN	1	ISL	3	KPU-	(TZ)	1	KPU-	0	None
															VCZ(VZ)	11	SW1	9	JP1-
															YUC(YU)	4	SW1	3	MS12
															(ZA)	1	KPU-	0	None

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

TV STATISTICS		AS OF: 2/13		STATES STATS															
PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER					
USA					USA(CONT)					CANADA					MEXICO				
AL	47	FGA-	46	JKA-	MT	8	JKA-	6	PDY-	AT	9	JKA-	2	PDY-	BCM(BN)	2	FGA-	2	PDY-
AK	0	None	0	None	NE	29	JKA-	19	MNA-	BC	1	FWH-	0	None	BCS(BS)	2	PDY-	0	None
AZ	5	JKA-	5	PDY-	NV	3	FGA-	3	PDY-	MB	7	JKA-	3	FWH-	CHI(CI)	5	JKA-	2	JKR-
AR	26	JKA-	10	PDY-	NH	11	RBA-	10	RST1	NB	20	RM12	9	RBA-	CHP(CH)	2	FGA-	0	None
CA	7	PDY-	2	FGA-	NJ	16	RSM-	11	DN11	NF	5	RBA-	4	GCO-	COA(CL)	10	FGA-	4	JKA-
CO	16	JKA-	12	PDY-	NM	5	JKA-	5	PDY-	NS	34	RM12	30	RBA-	COL( )	1	JKR-	0	None
CT	20	RBA-	12	RSM1	NY	96	DN1-	82	FNO-	ON	84	DN1-	77	GCO-	DF(DF)	2	PDY-	1	JKR1
DE	5	RSM-	3	RM12	NC	33	RBA-	21	FGA-	PEI	5	RM12	1	RBA-	GRO(GR)	2	PDY-	1	FGA-
FL	115	FGA-	80	MS12	ND	10	JKA-	6	PDY-	PQ	44	RM12	17	DN1-	GTO(GN)	1	JKA-	1	JKR1
GA	47	FGA-	33	JKA-	OH	83	JKA-	53	DN1-	SK	14	JKA-	4	FWH-	JAL(JA)	1	PDY-	0	None
HI	10	SRE1	0	None	OK	30	JKA-	29	FNO-	NMT	2	WHE6	1	WHE7	NL(NL)	14	FGA-	6	PDY-
ID	4	JKA-	4	PDY-	OR	1	PDY-	0	None						PUE(PU)	1	PDY-	1	JKR-
IL	73	JKA-	33	DSM-	PA	57	DN11	44	RBA-	FOREIGN(AMERICAS)					ORO(O)	1	PDY-	0	None
IN	56	JKA-	23	DSM1	RI	7	RBA-	5	RM12	CUBA	9	FGA-	4	JKA-	SIN(SN)	1	PDY-	0	None
IA	62	JKA-	17	MNA-	SC	22	FGA-	18	RBA-	D.REP	1	FGA-	0	None	SON(SO)	3	PDY-	0	None
KS	33	JKA-	8	MNA-	SD	18	JKA-	9	PDY-	EL SA	2	FGA-	2	PDY-	TAB(TB)	1	PDY-	0	None
KY	38	JKA-	28	DSM1	TN	47	JKA-	34	DSM1	GUATE									



FM STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES

INIT	DXER NAME	DXER LOCATION	LAT NO. LONGWEST	DEG MIN DEG MIN
DAL-	DOUGLAS MALLEN	CO WOODLAND PAR	39 0 105 3	
TBR-	TODD BRANDENBURG	KS SILVER LAKE	39 6 95 52	
RRB-	RUSS BROWN	MI ST JOSEPH	42 6 86 29	
DBR-	DAVID BRUMFIELD	IN MUNCIE	40 11 85 23	
MBU-	MIKE BUGAJ	CT ENFIELD	41 58 72 36	
DBU-	DANNY BUNTIN	OK STILLWATER	36 7 97 4	
GCO-	GREG CONIGLIO	NY CLARENCE	42 59 78 41	
PDY-	PAT DYER	TX SAN ANTONIO	29 28 98 36	
JEB-	JOHN EBELING	MN BLOOMINGTON	44 50 93 19	
JEB2	JOHN EBELING	MN PROSIT	47 0 92 37	
BEL2	BRUCE ELVING	MN DULUTH	46 47 92 6	
JFE-	JOSEPH FELA	NJ S PLAINFIELD	40 35 74 25	
NHA-	MICHAEL HAWK	NE OMAHA	41 31 96 3	
WHE2	WILLIAM RHEPBURN	NT CORAL HARBOR	64 8 83 10	
JJE3	JOHN M JEFFERSON	AK ANCHORAGE	61 13 149 53	
JJE2	JOHN M JEFFERSON	CA PLEASANT	37 40 121 53	
GMA1	GUS MANCUSO	WV BIRCH RIVER	38 30 80 47	
GMA-	GUS MANCUSO	MD CHEVERLY	38 55 76 55	
FMC-	FRED MCCORMACK	ND DES LACS	48 17 101 25	
FMC2	FRED MCCORMACK	ND FARGO	46 52 96 48	
FMC-	TIMOTHY KMCVEY	TN BOLIVAR	35 16 88 59	
FME1	FRANK MERRILL	IL MACOMB	40 27 90 40	
FME-	FRANK MERRILL	MI MILAN	42 5 83 40	
AMI-	ALAN HILLMAKER	IL CENTRALIA	38 31 89 8	
DN11	DAVID J NIEMAN	NY ROCK CITY	42 1 78 28	
DN1-	DAVID J NIEMAN	NY AKRON	42 58 78 32	
WNO-	WILLIAM NNOLLMAN	CT BOZRAH	41 20 72 36	
FNO-	FRED NORDQUIST	NY CLAY	43 8 76 8	
DOO-	DAVID ODELL	AR LITTLE ROCK	43 16 96 15	
DOE-	DAN OETTING	PA BROOKMILL	39 59 75 22	
JPI-	JIM PIZZI	MN LEWINGTON	32 57 103 21	
KPU-	KEITH D PUGH	AL NEW HOPE	34 32 86 24	
SRE1	SHEL REMINGTON	HI KEAAU(FERN F	19 27 155 10	
KSI-	KEN SIMON	FL LAKE WORTH	26 37 80 3	
MS12	MATTHEW CSITTEL	FL TALLAHASSEE	30 29 84 18	
MS11	MATTHEW CSITTEL	NC RALEIGH	35 47 78 39	
DSM1	DOUGLAS ESMITH	TN PLEASANT VIE	36 24 87 5	
RSB-	BOB SHOLAREK	NJ HIGH BRIDGE	40 40 74 54	
RS11	RICHARD STEINBERGER	MA HUDSON	42 24 71 35	
RST-	R L STOCK	NY AURORA	0 0 0 0	
SW11	STEVEN C WISEBLOOD	TX BROWNSVILLE	25 54 97 30	
JZO-	JOHN ZONDLO	OK YUKON	35 30 97 45	

Personal Bests - John Tudenham - Joplin MO (08/03/95)  
 Furthest Es: KNEV-95.5 NV Reno 1381 mi.  
 Furthest Tr: KEVT-90.3 TX Corpus Christi 664 mi.  
 Closest Es: WFFX-95.7 AL Tuscaloosa 476 mi. (also logged via Tr)

Personal Bests - Russ Miltier - Amity ME (10/15/95)  
 Furthest VHF TR: WITM-7 NC Washington 861 mi.  
 Furthest UHF TR: WHRD-15 VA Norfolk 771 mi. &  
 W010-19 OH Cleveland 753 mi.

PERSONAL BESTS - FM STATISTICS - 01/96

CHANNEL	MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
1	.1	27	20	13	17	28	17	1	9	1	9	19	31	6	13	25	23	14	17	14	20	327
2	.3	23	11	10	16	1	4	24	20	17	19	9	24	1	8	11	36	18	17	13	13	8 299
3	.5	14	19	9	7	15	10	36	27	24	45	1	29	17	17	23	20	1	15	19	35	383
4	.7	22	4	1	11	22	29	25	19	30	15	9	9	5	15	9	5	13	15	17	12	287
5	.9	30	13	11	23	13	14	21	16	5	23	16	1	16	3	24	13	14	1	10	24	291
TOTAL		116	67	44	74	79	74	107	91	77	111	54	94	52	59	117	79	59	61	73	99	1587

CHANNEL	MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	TOTAL
1	.1	31	29	16	13	27	21	45	41	19	19	31	33	11	16	14	48	37	29	23	52	555
2	.3	32	29	17	11	57	38	47	56	16	2	37	29	6	15	53	29	18	9	59	24	584
3	.5	41	27	17	24	49	74	48	35	42	17	43	8	7	33	17	13	3	36	21	4	559
4	.7	29	28	11	11	69	39	23	41	45	72	33	13	26	14	1	30	15	33	19	17	569
5	.9	33	22	8	10	2	35	45	34	41	39	26	37	12	3	11	55	62	35	17	38	565
TOTAL		166	135	69	69	204	207	208	207	163	149	170	120	62	81	96	175	135	142	139	135	2836

Lots of 1995 DX activities were reported last year - now is the time to tally up your loggings in 1995 and report your results in Statistics - 73 Fred.

TV STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES

INIT	DXER NAME	DXER LOCATION	LAT NO. LONGWEST	DEG MIN DEG MIN
RBA-	ROY BARSTOW	MA TEATUCKET	41 36 70 36	
GCO-	GREG CONIGLIO	NY CLARENCE	42 59 78 41	
PDY-	PAT DYER	TX SAN ANTONIO	29 28 98 36	
FGA-	FERNANDO GARCIA	MEX GUADALUPE(M	25 41 100 15	
NHA-	MICHAEL HAWK	NE OMAHA	41 31 96 3	
WHE6	WILLIAM RHEPBURN	NT FROBISHER BA	43 44 68 28	
WHE7	WILLIAM RHEPBURN	NT EUREKA	0 0 0 0	
WHE5	WILLIAM RHEPBURN	ON NIAGARA FALL	43 6 79 4	
JKA-	JEFF KADET	IL MACOMB	40 27 90 40	
JKR1	JEFF KRUSZKA	LA BATON ROUGE	30 30 91 10	
JKR-	JEFF KRUSZKA	LA HARAHAH	29 56 90 11	
GMA3	GUS MANCUSO	MD HYATTSVILLE	38 56 76 56	
RM12	RUSSELL MILLER	ME AMITY	45 54 67 53	
DN11	DAVID J NIEMAN	NY ROCK CITY	42 1 78 28	
DN1-	DAVID J NIEMAN	NY AKRON	42 58 78 32	
FNO-	FRED NORDQUIST	NY CLAY	43 8 76 8	
SRE1	SHEL REMINGTON	HI KEAAU(FERN F	19 27 155 10	
RSE-	ROBERT SEYBOLD	NY DUNKIRK	42 29 79 20	
MS12	MATTHEW CSITTEL	FL TALLAHASSEE	30 29 84 18	
DSM-	DOUGLAS ESMITH	WI MADISON	43 5 89 22	
DSM1	DOUGLAS ESMITH	TN PLEASANT VIE	36 24 87 5	
RSB-	BOB SHOLAREK	NJ HIGH BRIDGE	40 40 74 54	
RS11	RICHARD STEINBERGER	MA HUDSON	42 24 71 35	
FWM-	FRANK WHEELER	PA ERIE	42 8 80 4	

STATISTICS - PERSONAL BESTS - FM/TV

Personal Bests - Richard Shafter - Rockaway NJ (09/06/95)  
 Shortest Es: WKSO-94.5 ME Ellsworth 399 mi.  
 Furthest Es: KLEJ-93.7 TX Austin 1495 mi.  
 Furthest Tr: WCKK-99.7 SC Port Royal 684 mi.  
 Heard on Es & Tr

Personal Bests - Greg Coniglio - Williamsville NY (10/14/95)  
 Shortest Es: CBV-8-90.1/CBMC-92.3 PQ Thetford Mines 422 mi.  
 Furthest Es: XHMP-90.1 MEX Tampico 1818 mi.  
 Furthest Tr: KJMD-100.1 MD Jefferson City 769 mi.  
 TV: Furthest Es: Radio Caracas TV Barcelona Ven 2429 mi.  
 TV: Closest Es: WTKR-3 VA Norfolk 455 mi.  
 TV: Furthest VHF-LO TR: WMT-3 MI Kalamazoo 352 mi.  
 TV: Furthest VHF-HI TR: WTVB-11 NC Durham 505 mi.  
 TV: Furthest UHF TR: WMSL-46 IL E. St. Louis 670 mi.

Personal Bests - Mike Hawk - Omaha NE (07/30/95)  
 Furthest Tr: WBLK-93.7 NY Depew 893 mi.  
 Furthest Es: WFKZ-103.1 FL Plantation Key 1481 mi.  
 Closest Es: WSIU-91.9 IL Carbondale 448 mi.  
 Furthest MS: KHTY-97.5 CA Santa Barbara 1378 mi.  
 Furthest AU: WZOK-97.5 IL Rockford 361 mi.  
 Closest MS: KDCK-97.5 MN Park Rapids 361 mi.  
 Unheard State: VT  
 Lowest Power Es: K205BK-88.9 AZ L. Havasu City 50w 1111 mi.  
 TV: Furthest Tr: Lubbock TX 634 mi.

STATISTICS

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

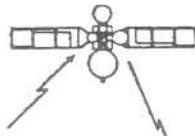
- 1) A TV Station received on more than one channel (when it changes channel, but retains its identity) may be counted once for each channel, excluding change in offset on the same channel. Simultaneous reception of the same station on more than one channel is usually a receiver problem only, though you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies, or varies more than 100kHz from its normal frequency. DXers should be certain they are not counting receiver images or mixing products.
- 2) Stations operating successively on the same channel in a single city what are clearly unrelated (i.e., with different call letters and a hiatus in occupation of the channel, or non-renewal of the first station's license) are counted as separate stations.
- 3) A move in a station's transmitter location does not allow it to count as a new station unless the CITY OF LICENSE also changes. Thus, a station starting in a small city and later moving both transmitter and identity to a larger city, if received during both phases of operation, will count twice. Stations moving antenna from downtown to suburbs, for example, with no change in the city of license, count only once. The addition of a city to a station's identity (multiple city station identification) does not count as a new station.
- 4) A change in call letters per se is not sufficient reason to count that station as new, whether or not a change in ownership is involved in a continuous operation station. Power level or changes in power alone shall have no bearing on these guidelines.
- 5) Sharetime stations (rare cases of two stations in the same coverage area sharing the same frequency at different times of the day) count as one if they share their transmitter, individually if they have separate transmitter sites.
- 6) DX received via cable TV may be counted if the station was received off the air on its original frequency at the CATV headend, from which distances must be measured. TOTAL INCLUDING CATV MUST BE SPECIFIED.
- 7) The precise location of the transmitting antenna shall be the determining factor in computing the DX path distance and tallying the number of political units received.
- 8) Verifications are not required, however, contributors must be reasonably certain that all stations claimed were received. Those totals limited to verified only should be labeled as such.
- 9) DX obtained by recording only, and not witnessed at the actual time of the reception, is eligible -- so long as the contributor himself chose the frequency and prepared the recording apparatus. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only those having an active part in the reception may claim the DX.
- 10) Translators and experimental stations, as well as unlicensed outlets such as pirates and clandestines, are eligible. Harmonics of TV video signals are eligible if the fall within another TV band, and those of FM stations are eligible if the harmonics fall within the FM band. But utility stations monitored on FM or TV, and CATV radiation, do not count.

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

NOTE: The FM/TV All-Time Distance Records were recalculated using DXer location grid coordinates (City coordinates if exact coordinates not given to me), and the City of License coordinates for all TV/FM Stations to simplify distance calculations. This is a variance to Rule #7 of the WTFDA guidelines for computing TV-FM Distance Records. It would be a very time-consuming task to keep track of all transmitter locations (especially when many transmitters are relocated over all the years that records are tracked. Please check your DX coordinates for any errors. If you have any suggestions on other statistics that you would like to appear in this column, let me know. TV-FM Distance Records for current WTFDA members (or for the current year) are some possibilities (after I gain access to a membership list). If you want a printout of distances between your DX location and all cities having TV/FM stations in North America including the Caribbean/Central America, I still offer this service for a \$2.00 donation to cover costs. Please indicate your DX location grid coordinates and whether you want the listing in miles or kilometers. Fred Nordquist.



# SATELLITE NEWS



GEORGE W. JENSEN  
4604 ANNTANA AVENUE  
BALTIMORE MD 21206-4220

Again, this month, there is the announcement of another birth - this time - PanAmSat 3 at 43 West. It is due to light up on February 20th. This bird carries 16 C-Band transponders and 16 Ku-Band transponders. Much of the transponder space will be devoted to a Digital DTH Satellite service to the Latin America. More details as they become available.

Now to a listing of changes:

- Satcom 1 - XPDR 1 - delete Newport  
add Prime Network  
18 - delete Classic Sports Network
- Satcom 3 - XPDR 11 - delete Prime Network  
add - Newport
- Telstar 303 - Delete all of the TVN Pay-Per-View Services on transponders 1 thru 9  
XPDR 16 - Delete Flix (now on G-3R)  
XPDR 18 - Showtime 2 (now on G3R)  
XPDR 20 - AdultTVision (now on G3R)
- Anik E-1 - on C-Band delete XPDR 9 - The Westher Network  
on Ku Band delete all but 9 - Much Music and 32 - Atlantic Satellite Network
- Anik E2 - XPDR 14 - delete AdultTVision  
22 - delete 3 Angels and add RTP  
International - Lisbon, Portugal  
On the Ku Band delete 10 - Musique Plus and Canal D
- Spacenet 4 - XPDR 12 - delete HTV  
14 - Add - Americas Lost Children TVN
- Galaxy 4 - XPDR 10 - delete WABC and add WJLA - Washington
- Galaxy 3 - Add the TVN menu from Telstar 303 to  
XPDRs 1 thru 8  
XPDR 9 - add AdultTVision  
XPDR 23 - 3 Angels
- Galaxy 7 - XPDR 12 - delete International Channel  
XPDR 14 - add Independent Film Channel  
XPDR 18 - delete Turner Vision Add CBS feeds  
XPDR 24 - add The International Channel
- Telstar 402 - XPDR 18 - delete RTP International
- Telstar 302 - XPDR 17 and 18 - delete Adult Erotic channel previews
- Galaxy 6 - XPDR 13 - delete Independent Film Channel
- Intelsat 506 at 50 West - XPDR 4 - delete HTV Hispanic Video Channels
- That's all for this month - see you in 30.

*George*

## TV News

Doug Smith  
1385 Old Clarksville  
Pleasant View, TN  
37146-8098



Abbreviations used in this column:

- ERP= Effective Radiated Power in kW  
HAAT=Height Above Avg. Terrain  
nc= no change  
TL= Tower Location  
CP= Construction Permit  
Pr= Province (of Canada)  
\*= Non-commercial  
CRTC=Canadian Radio-Television Commission  
DBS= Direct Broadcast Sat.  
SS= Spanish language  
LPRT=Low Power Relay Transmitter (Canada)  
TBD= To Be Determined

## APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	HAAT	City
FL	64	350	99	Destin
IA	69	848	83	Des Moines
IA	21	5000	162	Minden (TL: 8km SW of Minden, east of Shreveport)
MI	19	1000	300	Marquette (TL: 46°21'09"N/87°51'32"W)
WMMU-13				tower 10.8km SE of Republic)
MT	24	335	578	Butte (TL: 46°00'27"N/112°26'30"W adjacent to KXLF-4 tower 8km east of Butte)
MT	26	320	175	Great Falls
NY	62	1300	164	Arcade (TL: Blue Hill, 10km SW of junction of NY-16 and NY-39, Saradinia)
OR	16	11.3	780	La Grande (TL: Mt. Fanny)

## CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	HAAT	City
CO	11	138	429	Gd. Junction (TL: 39°04'00"N/108°44'41"W 10km S of Fruita)

## APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
AL	33	4741	630	WCPT	Tuscaloosa (TL: 33°28'40"N/87°26'32"W 5.2km E of Ala. 69 & Wint Dunn Rd., 32km NNE of Tuscaloosa near the Walker/Tuscaloosa Co. line. Was 1120kW/165m from a site close to Tuscaloosa proper.)
CA	42	2043	1031	KFCB	Concord (Was 1290kW/856m)
FL	67	5000	132	WBBI	Lake Worth (TL: 26°45'47"N/80°12'19"W S. Canal Rd., 1.1km E of Acreage Subdivision, West Palm Beach. Was 501kW/60m from a site about 12km ESE.)
MO	15	772.7	nc	KPOB	Poplar Bluff (was 389kW)
NC	62	3388	771	WASV	Asheville (TL: 35°10'02"N/82°41'27"W Dunn's Rock Twp., 8km SSE of Brevard, Transylvania Co. Was 12.3kW/337m from just north of Asheville. FCC says 2530m, but I'm pretty sure they meant 2530 feet, which is 771m.)
NC	64	1900	300	WKAY	Kannapolis (TL: 35°15'41"N/80°43'38"W N of Plaza Rd. Extended, 2.3km SSE of Newell, Mecklenburg, the WSOC-9 tower. Was 129kW/86m from a site near Kannapolis proper.)
NY	43	780	432	WNYS	Syracuse (TL: 42°52'50"N/76°11'59"W Barker St. & Kingsley Rd. Was 17.8kW/35m from a site 14km NNE.)
OH	25	5000	nc	WWIZ	Cleveland (was 2140kW)
OH	9	nc	268	WTOV	Steubenville (TL: 40°19'03"N/80°24'07"W Cross Creek Hill, 3km SW of Atlasburg, Washington Co., Pennsylvania. Was 290m from a site 20km west.)
PA	56	1600	505	WWLF	Hazleton (TL: 41°10'58"N/75°52'26"W Penobscot Mtn. near PA-93, Luzerne Co. SW of Wilkes-Barre. Was 1000kW/329m from a site about 18km SW.)
RI	69	nc	213	WOST	Block Island (TL: 41°29'41"N/71°47'05"W Champlin Hill, Hopkinton, on the mainland near Westerly. Was at a site on the mainland. I think there's been a power increase here, as their 17.8kW wouldn't make it to the island from Hopkinton.)
TN	20	2830	852	WINT	Crossville (TL: 36°06'33"N/84°20'17"W Buffalo Mtn., 3km NNW of Windrock, Anderson Co. near Oak Ridge. Was 14.8kW/48m from a site near Crossville, almost 80km west. Station is currently dark.)

## APPLICATIONS TO CHANGE EXISTING STATIONS(contd.)

**St Ch ERP HAAT Call City**  
**TX 54 5000 374 KNVA Austin**  
 (TL: 30°19'33"N/97°47'58"W  
 8km NW on Trail of the Madrones Rd.,  
 the KXAN-36 tower. Was  
 3470kW/267m.)  
**VA 5 53 883 WCYB Bristol**  
 (no change in TL. Was 83.2kW/680m)

## APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

**St Ch ERP HAAT Call City**  
**VT 44 1700 397 WFFF Burlington**  
 (TL: 44°34'30"N/73°40'29"W  
 Terry Mtn., 38.3km west of Burling-  
 ton in Clinton Co., NY, where the  
 WPTZ-5 tower is. Was 5000kW/530m  
 from Camel's Hump near Bolton.)

## CHANGES GRANTED TO CON- STRUCTION PERMITS

**St Ch ERP HAAT Call City**  
**IA 48 2920 323 KTVG Cedar Rapids**  
 (TL: 42°17'17"N/91°52'54"W  
 7.2km N of Urbana on US-150 in Ben-  
 ton Co., in the C.R. tower farm.  
 Was 1510kW/321m from a nearby  
 tower.)  
**TX 62 3213 408 KAKW Killeen**  
 (TL: 31°18'52"N/97°19'37"W  
 2.5km NE of Moody, the KWKT-44  
 tower. Was 5000kW/554m from a site  
 some 60km WSW.)

## CHANGES GRANTED TO EX- ISTING STATIONS

**St Ch ERP HAAT Call City**  
**GA 34 5000 440 WNGM Athens**  
 (TL: 34°07'32"N/83°51'31"W  
 WFOX-97.1 tower, 800m SSW of Chest-  
 nut Mtn. in Hall Co.; was  
 1260kW/412m from a site roughly 22km  
 ENE.)  
**MS 16 4786 359 WAPT Jackson**  
 (was 1050kW/357m)  
**NC 47 5000 371 WRMV Rocky Mount**  
 (TL: 36°06'13"N/78°11'27"W  
 10km E of Louisburg & 2.7km N of  
 NC-56 in eastern Franklin Co. Was  
 13.5kW/106m from a site just west  
 of town.)  
**VA 43 5000 261 WVBT Virginia Beach**  
 (TL: 36°49'14"N/76°30'41"W  
 Kings Highway, Driver, the WAVY-10  
 tower. Was 933kW/126m from a site  
 about 20km west.)

## CALL LETTER CHANGES

**Was Now City, state**  
 WGBS-57 WPSG-57 Philadelphia  
 K65GB KGBS-LP Austin, TX

## NETWORK CHANGES

**Station Was Now**  
 XHIJ-44 Cd. Juarez \* TMD  
 W13BF Hartford TMD  
 KIFI-8 Idaho Falls NBC ABC  
 KPVI-6 Pocatello ABC NBC  
 KKVI-35 Twin Falls AF FOX  
 W65BX Springfield MA TMD  
 K59DB Albuquerque TMD  
 KBLR-39 Las Vegas ind TMD  
 W35AQ Syracuse Box TMD  
 K38CN Salt Lake City TMD  
 K17CJ Yakima TMD

Again, A=ABC; F=FOX; TMD is the  
 Telemundo Spanish-language network.  
 XHIJ was an affiliate of the Mexi-  
 can Televisa network.

## NEW STATIONS ON THE AIR

**Springdale, AR: KSEB-57Z:**  
 174kW/117m; 36°11'07"/94°17'49"  
 between Springdale and Silsbee  
 Springs. Religious station; re-  
 quested operating license in mid-  
 December.

**Boulder, CO: KTVJ-14Z:**  
 2400kW/351m; 39°40'18"/105°13'12"  
 on the KTVB-20 tower northwest of  
 Denver. Programming unknown. Ap-  
 plied for operating license in mid-  
 December.

**New Bedford, MA: WLWC-28-1:**  
 5000kW/229m; 41°46'39"/70°55'31"  
 near Ashley Heights, southern Ply-  
 mouth Co. WB affiliate, per Mark  
 Freier in early February.

**Las Vegas, NV: KINC-15+:**  
 1145kW/564m; 35°56'44"/115°02'31"  
 on the KLAS-8 tower on Black Moun-  
 tain. Programming unknown. Applied  
 for operating license in mid-  
 January. Displaces the CP for  
 K15EP.

**Eagle Pass, TX: KVAW-16+:**  
 12.6kW/85m; 28°43'32"/100°28'35"  
 a few km east of town. Telemundo  
 affiliate; granted operating li-  
 cense in January.

## CHANGES ON THE AIR

Ch	Call	Location	VUD issue
5	KPHO	Phoenix, AZ	?
45	WHFT	Miami, FL	?
4	WTTV	Bloomington, IN	7/95
62	WFAY	Fayetteville, NC	?
68	WHSE	Newark, NJ	1/94
2	WDTN	Dayton, OH	?
8	CBLT2	Huntsville, ON	11/95
13	WPRV	Fajardo, PR	?
12	KTTM	Huron, SD	?
15	KCLO	Rapid City, SD	11/95
66	WJFB	Lebanon, TN	?

The CBLT2 change is a major power  
 increase, from 115 watts to 170kW.  
 It's part of the station's switch  
 from relaying CKVR-3 to CBLT-5.

## SPECIAL REPORT - THE TELE- COM ACT OF 1996

There's been a lot of public-  
 ity for this new law, signed by  
 President Clinton on February 8.  
 Its immediate effect will be on  
 radio (and cable), but there will  
 be changes for TV as well.

Most important is the relax-  
 ation of the national limits on TV  
 station ownership. Under the old  
 rules, one firm could own up to 12  
 stations or stations reaching 25%  
 of homes, whichever comes first.  
 The new rules repeal the 12-station  
 limit altogether, and relax the per-  
 centage to 35%. Unlike radio, in  
 TV a company will remain limited to  
 one station in a market. (but the  
 FCC is ordered to review all owner-  
 ship restrictions every 2 years, and  
 could choose to relax this on its  
 own motion)

Much of what we've already  
 heard about advanced television has  
 been codified. There's one sur-  
 prise: the Commission has been or-  
 dered to conduct a review of the ATV  
 program 10 years after the first  
 licenses are issued. They're to  
 determine whether consumers are  
 willing to spend the money for ATV  
 receivers, among other things. Pre-  
 sumably, a negative response could  
 allow the FCC to extend the life of  
 NTSC broadcasts.

Other ATV provisions urge (but  
 don't require) the FCC to give pre-  
 ference for ATV channels to existing  
 licensees. And, stations using part  
 of their ATV spectrum for subscrip-  
 tion or leased-access material are  
 required to pay a license fee.

The so-called "V-chip" is now  
 law. TVs of 13 inches or larger  
 must contain circuitry to decode  
 rating codes, and allow owners to  
 block reception of programs with

certain codes. Promotional the-  
 atrics and video bites aside, there  
 will probably not be a V-chip as  
 such. The rating signals will be  
 part of the closed-caption signal,  
 and the blocking circuitry will  
 probably be part of the caption  
 decoder chip. This chip is already  
 required in large-screen sets, be-  
 cause of the Americans with Disabili-  
 ties Act.

Competing applications at re-  
 newal time are a thing of the past.  
 Previously, if someone thought they  
 could do a better job of serving the  
 community than an existing station,  
 they could file a competing applica-  
 tion at renewal time. In theory,  
 if the FCC agreed, they could revoke  
 the existing license and grant a new  
 one.

In practice, this happened  
 only when the existing licensee had  
 committed serious violations of the  
 regulations. The new Act codifies  
 this. It requires the FCC to either  
 renew a license, or find that the  
 licensee committed serious viola-  
 tions. In the latter case, the  
 Commission is to revoke the license  
 first. Only then can it accept  
 applications for the (now vacant)  
 channel. The challenges that may  
 cost Trinity Broadcasting their  
 WHFT-45 license would not be possi-  
 ble under this new policy. (though  
 a technically different challenge  
 might have been filed)

Finally, stations may no  
 longer stay dark for years. A pro-  
 vision of the Act automatically re-  
 vokes the license of any station  
 that remains off the air for more  
 than 12 months. This clause will  
 have greatest effect on AM, but I  
 know of a number of TV stations that  
 have been dark for more than a year.

## OTHER STUFF

The new WTOV-9 site is only  
 about 30km from Pittsburgh. I don't  
 know the terrain that well, but I  
 wonder if they plan to switch from  
 the Wheeling market to Pittsburgh?  
 Time will tell.

WAKC-23 Akron/Cleveland has  
 been sold to Lloyd Paxson. Expect  
 it to switch from ABC to either IN  
 (Infomall) or CNI, Paxson's reli-  
 gious network. Or, it may be noth-  
 ing will happen - ValueVision owned  
 it for at least a year, and kept it  
 ABC.

Also sold to Paxson was WOCD-  
 55 Amsterdam/Albany, NY. This sta-  
 tion will definitely be part of CNI.

The channel 11 grant means  
 there are now two new VHF stations  
 under construction in Grand Junc-  
 tion, Colorado. (the other is KJWA-

**(Other Stuff, contd.)**

channel 4) It's been a long time since there were two VHF's under construction simultaneously in any market!

WCFT-33's power increase is part of its switch from CBS to ABC. WCFT and WJSU-40 will be co-owned and will be the ABC affiliates for Birmingham after WBRC-6 goes Fox.

Note that quite a few stations are departing "four-letter LPTV" status and going to "real" power. WASV-62, WNYS-43, WINT-20, and WRMY-47 will all become much easier DX targets. I strongly suspect WOST-69 will also be increasing power. WINT's new site will put an excellent signal into Knoxville.

The UPN and WB networks are becoming considerably more successful than expected. UPN's numbers are about 2/3 those of Fox, and WB is doing about 1/3 of Fox's numbers. (admittedly, in a week whose ratings were badly screwed up by the Super Bowl!) As of late January, UPN had 152 broadcast affiliates reaching 93% of homes. WB had 82 reaching 83%, plus (sometimes!) WGN-9's cable coverage. WB executives say they plan on cable coverage of markets they can't reach by broadcast.

I'm sure the success of the new nets is part of the reason for the increased activity in new stations and increased power for existing independent stations.

## FORUM

**Debra Lee Oliver, Pensacola FL:**

The recent cold snap has claimed a TV victim, in a part of the country not normally associated with cold weather! And it happened at probably the worst possible time, early in the stations' first ratings book with its new NBC affiliation. Debra forwarded two News-Journal articles on the subject.

WPMI-15 was knocked off the air about 3:00 on the morning of Saturday, February 3. 7 inches of ice on the transmitting antenna were blamed for the damage. General Manager Andy Comegys told the paper three connectors were burned out, at the 125, 250, and 500-foot levels.

This kind of problem is not unheard-of, though usually only in colder climates! TV transmitters are connected to the antennas through rigid coax. Rigid coax consists of an outer copper pipe (8" in WPMI's case) with an inside smaller pipe. It comes in 20-foot sections with flanges at both ends; these flanges are used to bolt the sections together.

The center pipes may not expand and contract at the same rate as the outer pipes. If they were bolted together too, something would have to pull out! So, small sliding connectors called "bullets" connect the sections.

There are two potential problems from severe weather. First, the ice buildup on the transmitting antenna changes its resonant frequency. This causes the SWR to increase from its nominal value of 1:1. TV transmitters can usually deal with SWRs as high as 1.2:1. (if you're a ham or Cber, you know this makes TV equipment rather picky!) If it gets much higher, protective circuits automatically turn the transmitter off. Either that, or something arcs over and the transmitter is damaged!

Second, the inner pipes may contract so far that one or more "bullets" doesn't make good contact anymore. Since there's a very high current flowing in these pipes, any resistance at all generates a lot of heat. The bullet can literally melt, at least at the point of contact. What that happens, the transmitter is no longer connected to the antenna, and the SWR sky-rockets.

Or, the movement of the inner conductor can scrape metal shavings off the bullets and inner pipes. These shavings can fall to the next lower insulator and cause an arc. This arc can destroy the insulator and lower bullet.

Comegys told the newspaper not only will crews have to repair the three failed connections, but they'll have to inspect 79 other connections. This is a slow process. The station expected to require six days to return to the air.

The failure's timing was particularly bad. WPMI, previously a Fox affiliate, had just swapped networks with previous NBC affiliate WALA-10 on Jan. 1, and the ratings "sweeps" began on Feb. 1. As Comegys told the paper, days when a station are off the air don't count in the ratings. (in other words, WPMI will not get a zero rating for that week!) But the ratings books will indicate that the station was off the air. Of course, there's no advertising revenue for the period the station was off.

Cable viewers would have seen some interesting programming during WPMI's dark period! To return NBC programming to their systems, several area cable systems put up a raw NBC network feed. (the newspaper said it was WNBC-4 NYC, but their own accounts indicated

**(Forum, Debra Lee Oliver, contd.)**

there were no local inserts whatsoever, not even for New York) Viewers watching such a feed would have seen closed-circuit newsfeeds, program timings, and test patterns during non-network time periods.

GM Comegys has decided to ask his corporate office to fund deicing equipment for his tower. This equipment is common in markets with frequent ice problems. (for example, WSMV here in Nashville has deicers)

**Mark Freier, Pennsylvania:**

Mark has some valuable WWW sites for the DXer with Internet access:

<http://www.tbn.org>  
<http://telemundo.hispanic.com/telemundo.html>

The former is for TBN, the latter for Telemundo. Both contain affiliate lists. Some of the new Telemundo listings in "Network Changes" came from here.

He doesn't specify where, but Mark saw a message noting at least unofficial call changes for W13BF and W65BX. The stations are both owned by Hartford's "Ital-Net/Canale 13, Inc.", and air a variety of ethnic programming. Included are Telemundo (Spanish), Raiuno (Italian, and some Polish programs. The stations are at least calling themselves WRDM-13 and WDMR-65. I haven't seen official call changes, but sometimes that information is slow in arriving.

The message says "1996 -- the new year begins with two new fullpower stations...". I can't find any technical changes for either station. Channels 13 and 65 are not allotted for full-power use in Hartford and Springfield. Indeed, they could not be allotted because of WNET-13 and WEDY-65. The stations are definitely still LPTVs.

**David Austin, Fairfax VA:**

Referring to my comments about WATC-57 as one of a handful of non-PBS non-commercial stations, David mentions two others. One is WTSF-61, which is licensed as a commercial station but airs only religious programming and no ads. (though they did air ads in a previous life as a secular station) I see relatively few 100% religious stations these days - most of the ones I see air a few hours of home shopping and an occasional infomercial. Of course, TBNS are an exception.

The other station he mentioned is WNVG-56 Fairfax. This station calls itself "World View TV - One World, One Channel". Programming is in a variety of languages, and David says he's seeing ads for ethnic busi-

nesses in their native languages - Hindu, Persian, etc..

WNVC is listed as a non-commercial station, so I assume the "ads" are actually underwriting announcements. Sometimes it's hard to tell the difference, and when one can't understand the audio it's even more difficult!

**Roy Barstow, Teaticket MA:**

Roy has some information from New England. First, on the subject of educational TV in Maine: "W30BF Bangor and W39BQ Litchfield relay WMEA-26. ... W14AB Skowhegan does not run parallel with WMEA-26." This seems to imply the MPTV+ second PBS net in Maine still exists, but Roy doesn't know. W24AR Portland is definitely gone, replaced by W39BQ.

In Massachusetts, three of the four WLNE-6 translators are gone. W20AH New Bedford, W22AR Fall River, and W22BB Taunton are not only off, but have disappeared from the FCC DB. They're permanently dead. W48AE Providence is still on and relaying WLNE. WHRC-46 Norwell is still off. And W69AQ, which Roy had thought was off, is in fact operating. It relays WUNI-27 Worcester.

Finally, to Rhode Island.. Another station Roy thought might have been off, WOST-69 Block Island, has resurfaced. It's still weak, but there was enough present to tell it was carrying "Worship", parallel WTWS-26, WTGI-61, and WGOT-60. (Roy says none of these stations carry Worship 100% of the time. I do suspect they may be CNL affiliates, though they don't appear in a list.) WOST has applied to move to the mainland - I'm pretty sure a power increase will follow.

## DX ETC.

Not much, just some minor lifts to Alabama, Kentucky, and Memphis. The bitter cold weather may be breaking though; if it does, hopefully we'll see some tropo.

Make your plans for Estes Park! I visited the town in January - it'll be even more beautiful in August.

*73 Doug*

Doug Smith (W9WI/4)  
1385 Old Clarksville Pike  
Pleasant View, TN 37146-8098  
Internet 72777.3143@compuserve.com



# F M NEWS

MARCH 1996

Many of the items listed in this column are taken from the publication:  
**M Street Journal - P.O. Box 2108- New York, NY 10159**  
 PHONE (212) 473-4668, FAX (212) 473-4626

editor- GREG CONIGLIO  
 5100 GLENWOOD DRIVE  
 WILLIMASVILLE, NEW YORK 14221  
 NOTE: NO VALID E-MAIL ADDRESS  
 TIP DEADLINE - The 10th

**KEY:**  
 & satellite programming  
 AF: new freq. allocation accepted for filing for a new FM license  
 CC: call change/new calls assigned  
 CL: city of license change granted  
 CO: new xmtr co-ordinates  
 CX: a CP has expired, and is cancelled  
 C1, C2, etc.: change in class status  
 DA: directional antenna  
 DE: calls deleted, license returned to FCC  
 FC: station format change

GA: granted amendment to table of FM allocations  
 GE: station was granted extension of a CP  
 GX: granted replacement of expired CP  
 LC: filed for license to cover (for new stn.)  
 MC: multiple-city legal ID  
 NC: no change yet, on a reported pending grant/change.  
 ND: non-directional  
 NO: station is not on the air  
 NS: a new station granted a license  
 OSA: one-step application  
 NW: new station signs on the air  
 PA: proposed amendment to change table of allocations  
 PC>: a power change (increase)

PC<: a power change (decrease)  
 PG>: power change granted (increase)  
 PG<: power change granted (decrease)  
 QG: frequency change for this station  
 QG: frequency change granted  
 RA: station returns to the air  
 RE: station requests extension of a CP  
 RX: station requests re-instatement of an expired CP  
 SG: slogan change or update  
 SI: station is silent  
 XA: dismissed amendment to the table of FM allocations  
 XC: station changes xmtr site  
 XG: station granted a transmitter (xmtr) site change



## UNITED STATES

### ALABAMA:

Attalla: WKXX 102.9 adds WW1 Hot Country (&)  
 Bay Minette: WNXP 105.5 adds One-on-One sports  
 Chelsea: W274AC 102.7 NS-250w: WOWC 102.5 Japser  
 Florence: W280DA 103.9 NS-80w: WYFD 91.7 Decatur  
 Holly Pond: WCOC 95.5 NW, WW1 oldies (&)  
 Jackson: WHOD 94.5 NC to 37.5 kw, 567 ft, GX  
 Ozark: WQLS 103.9 FC to oldies  
 Rogersville: WFIX 93.9 FC to contemp. Christian  
 Sylacauga: WAWV 98.3 adds SMN adult cont. (&)  
 Talladega: WSSY 97.5 FC to 70's oldies (Anniston)  
 Trussville: WRAX 105.9 CC (ex WWBR), FC to new rock  
 "106-X" (Birmingham market)

### ARIZONA:

Tucson: KCRZ 107.5 FC to 70's oldies "K-Hits"

### ARKANSAS:

Batesville: KZLR 93.1 FC to rock  
 Hamson: KCWD 96.1 FC to adult contemporary  
 Heber Sps: KAWW 100.7 FC to oldies (& overnights)  
 L.Village: KDTL 103.5 NW, 70's oldies (&), CC (ex KEGT)  
 Marianna: KAKJ 105.3 NW, urban AC / KCLT 104.9  
 (both use the "Touch" SMN urban AC at night)

Mtn Pine: KTDX 101.9 NO-GE

### CALIFORNIA:

Bakersfield: KERN 94.1 adds Zippo (but remains local)  
 Big Bear C: KBHR 93.3 NW, SMN adult cont. (&)  
 Chester: KHZL 105.3 NW, country // KHSL-FM  
 Chester: KCMT 98.9 FC to Jones soft AC (&)  
 Corcoran: KLCZ 102.3 NO-CX-DE  
 Eureka: KRED 92.3 adds Jones CD Country (&)  
 Ford City: KZPE 102.1 NO-GX (4th),  
 XG: 35-0-2/19-22-29

Healdsburg: KHBG 95.9 NW, adult contemporary  
 Independence: KDAY 92.5 NW, to be smooth jazz  
 Oroville: KEWE 97.7 NC to 1500, 1276', GE  
 Person: KZMS 97.1 NO-RE (3rd)  
 22 oia: KJDX 1 93.3 NS-698w(h): KJDX Susanville

### California:

Quincy: KNLF 95.9 NO-GX (8th)  
 Rio Dell: KMGX 107.1 NO-GX (2nd)  
 San Francisco: KRQR 97.3 FC to rock  
 San Joaquin: KVPC 105.5 NO-RX (7th)  
 San Luis Obispo: KWQH 97.1 NW, contemp. Christian (&)  
 Santa Barbara: NS 107.7 710w, 1758 ft.  
 Sebastopol: KJZY 93.7 NW, smooth jazz (Santa Rosa)  
 Shingle Sps: KSSJ 101.9 NC to 44 kw, CX  
 Tahoe City: NS 89.7 AF  
 Willows: KQSC 105.5 reported SI - may return with Span

### COLORADO:

Aspen: KPVV 107.1 NO-GE, PG> 20.5 kw, 361 ft.  
 XG: 39-18-56, 106-57-32, class C3  
 Copper Mtn: K205CO 88.9 NS-100w(v): KTLF 90.5 Colo Sps  
 Ft. Collins: KCSU 90.5 NC to 89.7, 4 kw(h), 40kW(v), GE  
 Silverton: KTRN 103.7 NO-CX-DE

### FLORIDA:

Apalachicola: WOYS 100.5 QC from 100.9, now 10kW, 361'  
 Auburndale: W254AI 98.7 NS-55w: WJIS 88.1 Bradenton  
 Bradenton: WDLV 103.5 QC from 103.3 around Jan. 15  
 now 99 kw, 1358 ft.  
 Century: WKG 105.1 SI (pending sale)  
 Crawfordville: WAKU 94.1 NW, Jones soft AC (&)  
 Key Largo: NS 91.7 13 kw, 328' S. Fla Edu. Broad.  
 Lakeland: W244AZ 96.7 NS-55w: WJIS 88.1 Bradenton  
 Ormond-by-the-Sea: WNDB 95.7 NW, 70's oldies, Imus (&)  
 Williston: WFEZ 101.3 adds ABC's Banks show

### GEORGIA:

Adel: WDDQ 92.1 CP for 4.2 kw CX  
 Albany: WJIZ 96.3 adds ABC's Banks show  
 Broxton: WULS 103.7 FC to southern gospel  
 Griffin: WMVV 90.7 NW, religion  
 Kingstand: WKBX 106.3 PC> 6 kw, DA  
 Lakeland: WHFE 105.9 NO-GE  
 Macon: WPEZ 107.9 adds SMN AC (&)  
 Perry: WPGA 100.9 adds Banks  
 Springfield: WSGF 103.9 FC to SMN Urban AC (&)  
 Waycross: WHFX 103.3 FC to SMN Classic Rock (&)  
 Wrens: WAKB 96.9 adds Banks

### HAWAII:

Honolulu: KORL 99.5 NO-GX  
 Kekaha: KAUI 103.3 NO-GE (5th)  
 Volcano: KKOAA 107.7 NW, country, on by Febr.

## FM NEWS

### IDAHO:

Lewiston: KMOK 106.9 FC to country, "The Outlaw"  
 Moscow: KRFA 91.7 PC> 14.5 kw, 958 ft.  
 Orofino: KLER 95.3 FC to Jones soft AC (&),  
 NC to 6.1 kw, 676 ft, RE  
 Pocatello: KMGI 102.5 FC to WW1 Adult Rock (&)

### ILLINOIS:

Arcola: WZNX 106.7 FC to SMN classic rock (&)  
 Augusta: WAHI 98.5 NW, gospel  
 Chicago: WLS 94.7 FC to country, "Kicks"  
 Decatur: W266AD 101.1 NS-120w: WLJU 97.7 IL  
 Hillsboro: WXAJ 99.7 NO-GX  
 Joliet: WLLI 96.7 FC to WW1 Hot Country (&)  
 Joliet: WJTW 93.5 adds SMN Hot AC (&)  
 Mattoon: WLBH 96.9 FC to adult contemporary  
 Mt. Vernon: NS 90.5 AF (Amer. Family Assoc.)  
 Peoria: WBGE 92.3 adds Banks  
 Rantoul: WZNF 95.3 adds Brandemeier show (talk)  
 Streator: WYYS 106.1 NW, country // WSTQ

### INDIANA:

Alexandria: WAXT 96.7 PG> 2.5 kw, 351 ft.  
 Anderson: WBSB 89.5 CC (NS)  
 Loogootee: WBHW 88.7 relocate studio to Fort Branch  
 New Albany: WAJE 94.7 NW, classic hits "River"  
 New Haven: WJFX 107.9 adds SMN urban gold overnights  
 Noblesville: WXTZ 93.9 FC to SMN Urban Gold (&)  
 South Bend: WUBU 106.3 adds Banks

### IOWA:

Boone: KRUI 98.3 FC to classic hits "98 Rock"  
 Clear Lake: KLKK 103.1 FC to classic rock "The Fox"  
 Council Bluffs: KIWR 89.7 FC to adult alternative  
 Ida Grove: KIDA 92.9 adds WW1 country (&)  
 Onawa: KOLK 102.3 CC (ex KOOO), NW, country  
 Red Oak: KCSI 95.3 NC to 20.4 kw, CX

### KANSAS:

Belle Plaine: KSNS 92.7 CC (ex KANR), NW, AP - news  
 Hugoton: KFFX 106.7 FC to Jones soft AC (&)  
 Hutchinson: KIMS 91.7 NO-CX-DE

### KENTUCKY:

Benton: WCBL 99.1 QC from 102.3  
 Bowling Green: WDNS 93.3 QC from 98.3  
 Flemingsburg: WFLE 106.3 adds Jones CD Country (&)  
 Garrison: WNUU 98.3 NO-RE  
 Jeffersonton: WLSY 101.7 QG to 101.3, 2 kW, 19ft  
 XG: 38-13-42 / 85-38-22  
 Lawrenceburg: WKYL 102.1 FC to southern Gospel (&)  
 Lexington: WJGG 104.5 NW, easy listening  
 Lexington: WKQQ 98.1 PG> Bob & Tom show  
 Mumfordsville: WLOC 102.3 PC> 2.8 kw, 410 ft,  
 XG: 37-10-41 / 85-55-15

### LOUISIANA:

Baton Rouge: WBRH 90.3 NC to 8KW, 371 ft, GE  
 De Ridder: KEAZ 101.7 FC to news, talk // KAOK 1400  
 Lafayette: KRRQ 95.5 NO-RE (6th)

### MAINE:

Boothbay Hbr: WCME 96.7 FC to SMN oldies // WXGL 93.9

### MICHIGAN:

Alma: WQBX 104.9 FC to SMN hot AC (&)  
 Essexville: WIXC 97.3 adds Radio One CW (&)  
 Gladwin: WGDN 103.1 FC to WW1 country (&)  
 Otsego: WQXC 100.9 FC to oldies  
 Tawas City: WHST 106.1 FC to SMN Hot AC (&)  
 no longer // WHSB 107.7 Alpena

### MINNESOTA:

Crookston: KQHT 96.1 FC to Jones soft AC (&)  
 Hermantown: NS 92.1 780w, 905ft (Harbor Bdcstng)  
 Paynesville: KZPK 98.9 NW, WW1 Hot Country (&)  
 Proctor: KUSZ 107.7 FC to WW1 Hot Country (&)  
 no longer // WUSZ 99.9

### Minnesota:

St. Cloud: KCLD 104.7 CX CP for 84.9 kW  
 Warroad: KKWQ 92.5 adds Jones CD Country (&)

### MISSISSIPPI:

Centerville: NS 89.7 70 kW, 298 ft.  
 Cleveland: WCLD 103.9 adds Banks  
 Lumberton: WLUN 95.3 NC to 100kW, 981 ft, RE (5th)  
 Natchez: WTRC 97.3 FC to SMN classic rock (&)  
 Tupelo: WZLQ 98.5 GX CP for 181', 34-10-05/89-09-23

### MISSOURI:

Cassville: KRLK 100.1 PA: to class C2, CL: Kimberling City  
 Columbia: KCMQ 96.7 FC to rock, adds Steve & DC show  
 Crestwood: KSHE 94.7 adds Bob & Tom show  
 Kennett: KXOQ 104.3 CC (ex KOLW), NW, oldies (&)  
 Knob Noster: KKKX 105.7 PG> 38 kW, 502 ft.  
 Lamar: KHST 99.9 FC to SMN AC (& (Joplin)  
 Lutesville: KMHM 104.1 CC (ex KQUA)  
 Malta Bend: KRLL 97.5 NO-RX  
 Overland: KRHS 90.1 RA after brief silence, FC to modern  
 rock, 8:30am - 4:30 M/F sked, 'cept on nights for sports  
 Portageville: NS 91.5 AF  
 St. Louis: KSD 93.7 FC to current oriented rock  
 SG "Rock 93-7"  
 Vandalia: KLRK 100.1 NO-CX-DE  
 Willow Sps: KUKU 100.3 FC to SMN oldies (&)

### MONTANA:

Great Falls: KAAK 98.9 dec. to 482',  
 XG: 47-32-23 / 111-17-06  
 W. Yellowstone: KWVW 96.5 NW, country 6am to 3pm,  
 gold-adult cont. the rest of the time

### NEBRASKA:

Auburn: KNCY 105.5 FC to WW1 country (&)  
 Kearney: KFRY 102.3 adds Radio One CW (&)  
 McCook: NS 93.9 50 kW, 492 ft.  
 McCook: KKYT 105.3 dec. to 590 ft.

### NEVADA:

Elko: K201DE 88.1 NS-10w: KNIS 91.3 Carson City  
 Mesquite: NS 88.7 AF  
 Reno: KOZZ 105.7 FC to rock

### NEW HAMPSHIRE:

Hampton: WSTG 102.1 CC (ex WZEA), FC to adult stds.  
 SG "Stage 102.1" (Portsmouth)

### NEW JERSEY:

Atlantic City: WAYV 95.1 FC to CHR  
 Bridgeton: WNJB 89.3 NO-GE (4th)  
 Manahawkin: NS 89.9 5w(h), 400w(v), 164' (NJ PBA)  
 Paterson: WPAT 93.1 FC to Spanish soft AC "Suave"

### NEW MEXICO:

Gallup: KKJL 106.1 NW, WW1 70's oldies (&)  
 Santa Fe: KZRF 105.1 FC to SMN Hot AC "Star" (&)

### NEW YORK:

Buffalo: WBFO 88.7 removes DA  
 Canandaigua: WMHX 102.3 CC (ex WLKA), FC to adult  
 alternative // WMAX 106.7 Irondequoit (Rochester)  
 Chateaugay: WYUL 94.7 NO-RE (2nd)  
 Glens Falls: WYLR 95.9 FC to country  
 Honeoye Falls: WRCD 107.3 NW, smooth jazz (Rochester)  
 dec. to 302 ft, XG: 42-54-14 / 77-27-56  
 Mineito: NS 106.5 5.1 kw, 328 ft.  
 New York: WXRK 92.3 FC to new rock  
 Noyack: WSUF 89.9 NO-GX (2nd), PG> 12 kW  
 Ossining: WDFH 90.3 NW, alternative  
 Oswego: WGES 105.5 FC to classic rock, "TK-105"  
 Phoenix: WRDS 102.1 adds Banks (Syracuse)  
 Remsen: WUUU 93.5 FC to soft AC (Utica)  
 Southampton: WRLL 89.9 NO-GE (2nd)  
 Warrensburg: WKBE 100.3 FC to AC // WKLI 100.9  
 Wellsville: WJQZ 93.5 adds SMN Hot AC (&)



**FM NEWS**

**NORTH CAROLINA:**

Ahoscie: WODK 99.3 adds WW1 country (&)  
 Chapel Hill: WUNC 91.5 inc. to 1361', DA, class C;  
 XC: 35-51-59/79-10-00  
 Goldsboro: W2B7A105.3 NS-80w: WYFL 92.5 Henderson  
 Hickory: WXRC 95.7 FC to adult alternative  
 New Bern: \*NS 90.1 AF (Amer. Family Assoc.)  
 Salisbury: WEND106.5 PG< 84 kW, 1046 ft, class C1  
 XG: 35-32-32/80-37-44

Wilmington: WWIL 90.5 NW, cont. Christian, religion

**NORTH DAKOTA:**

Bismarck: KYYY 92.9 FC, back to CHR after a brief  
 stint with & adult cont.

Dickinson: KRRB 92.1 NC to 10.4 kW, GE  
 Minot: KBQQ 99.9 FC to classic hits

**OHIO:**

Akron: WAPS 91.3 change to non-dir. granted  
 Cleveland: WNCX 98.5 FC to rock  
 Columbus: WJZA 107.5 NO-RE (2nd)  
 Crestline: WYXZ 98.7 CC (ex WAPQ), FC to 70's oldies  
 SG "Wixy"

Hubbard: WRBP101.9 adds Banks  
 Wauseon: \*NS 88.5 25 kW, 300 ft.

**OKLAHOMA:**

Ardmore: KRXZ 96.5 PG> 4.8 kW, 367 ft.  
 XG: 34-05-56/97-10-54  
 Collinsville: KQSY 101.5 NO-GE (4th)  
 Comanche: KDDQ 96.7 reported SI  
 Healdton: KICM 93.7 QC from 105.7  
 Lahoma: KMKZ 95.7 NW, adult contemporary  
 Sallisaw: KKUZ 95.9 adds SMN Real country (&)

**OREGON:**

Astoria: K213BY90.5 NS-3w: KEPI (?)  
 Grants Pass: \*NS 91.1 250w, 13 ft, Amer. Family Assoc.  
 Phoenix: KROG105.1 FC to country (Medford)

**PENNSYLVANIA:**

Allentown: WJCS 89.3 NW, religion  
 Mill Hall: WZRZ 98.7 CC (NS)  
 Pittsburgh: WDSY107.9 NC to 17.7 kW, 827ft, GE  
 Scranton: WEZX106.9 NC to 1450w, 617', XC, GE

**SOUTH CAROLINA:**

Conway: WJXY 93.9 adds Radio One CW (&)  
 Lake City: WWFN100.1 FC to SMN oldies (&)  
 Myrtle Beach: W244AY 96.7 NS-27w(h): WLPG 91.7 SC  
 Orangeburg: W243AG96.5 NS-27w: WYFH 90.7 SC  
 Saluda: WJRO 92.1 FC to oldies (&) during the  
 day, and urban nights, PRN talk overnight

**SOUTH DAKOTA:**

Canton: KIXK 102.7 NW, WW1 70's oldies (&)

**TENNESSEE:**

Colonial Hts: WLJO105.9 NO-GE (3rd)  
 Covington: WKBL 93.5 FC to SMN Real Country (&)  
 Gatlinburg: WDLY105.5 adds Jones country (&)  
 Hamman: WUFX 92.7 CC (ex WLIQ)  
 Pulaski: WKSR 98.3 CC (ex WINJ), FC to country // AM  
 Shelbyville: WWKO102.9 CC (ex WYQC) "The Cow"  
 Spring City: WAYA 93.9 NC to 9.2 kW, 551', GE, PG<5.5kW  
 574ft, XG: 35-31-50/84-43-03

Tusculum: WSMG103.1 NW, adult contemporary

**TEXAS:**

Ballinger: KRUN103.1 FC to SMN oldies (&)  
 Bloomington: KLUB106.9 FC to classic rock  
 Borger: \*NS 88.7 AF  
 Cameron: KHLR 103.9 FC to adult alternative  
 Coahoma: KBYG105.5 NO-GE  
 Cuero: KVCO 97.7 RA with SMN oldies (&)  
 PC> 25 kW, 302 ft  
 Fairfield: KNES 99.1 QC from 92.1

**MARCH 1996**

**Texas:**

Galveston: KRTX 104.9 FC to reg. Mexican //  
 KLTN 93.3 (with each station running local spots)  
 Ganado: \*NS 104.7 50 kW, 492 ft.  
 Goliad: KHMC 95.9 NW, Tejano  
 Greenville: \*NS 90.5 AF (Amer. Family Assoc.)  
 Killeen: KAJZ 93.3 CC (ex KHHT) "Austin's Jazz"  
 Littlefield: KAIQ 95.5 NO-GE  
 Sanger: \*NS 89.7 AF  
 Snyder: \*\*\* 97.1 GA to add class A  
 S. Padre Is: KESO 92.7 CC (ex KJIB)  
 Victoria: KXTN 98.7 RA with WW1 oldies (&)

**UTAH:**

Midvale: KOMB102.7 NW, WW1 adult con. (S.L.C.)  
 Orem: KENZ 107.5 CC (ex KMXB), FC to new rock

**VERMONT:**

Marlboro: WAIG 101.5 NO-GE  
 St. Johnsbury: \*NS 90.5 AF (Christian Ministries)

**VIRGINIA:**

Blacksburg: WVMJ105.3 QC from 104.9, now 3.8 kW, 472'  
 Chester: WDYL 105.7 QC from 92.1, PC> 6 kW, 321', DA  
 Colonial Hts: WKHK95.3 NC to 17.5 kW, 394ft, RE  
 Crozet: WCYK102.3 FC to oldies  
 Hot Springs: WBHA107.1 NW, country/variety // WVLS 89.7  
 Mechanicsville: WCDX92.1 QC from 92.7, PC> 4.5 kW, 771'  
 Monterey: WVLS 89.7 NW, country/variety  
 Roanoke: WRDJ104.9 QC from 105.3, now 2.5 kW, 1027'  
 Rural Retreat: WXBK95.3 FC to Jones a/c (&)  
 Staunton: WVAO 99.7 FC to country  
 Staunton: WWSVO 93.1 CC (ex WBG), FC to oldies

**WASHINGTON:**

Rock Island: KXAA 99.5 PG> PG> 5.3 kW, -82ft., DA  
 Tacoma: KUPS 90.1 correct height: 233 feet  
 Walla Walla: KHSS100.9 FC to classical (&)  
 Winlock: KITI 95.1 NW, AC & classic hits

**WEST VIRGINIA:**

Charles Town: WXVA98.3 FC to country "98-3 X"  
 New Martinsville: \*\*\* 99.5 GA to add class A  
 Salem: \*\*\* 103.3 GA to add class A

**WISCONSIN:**

DePere: WKSZ 95.9 PG< 4.5 kW, 774 ft.  
 XG: 44-21-32/87-59-07  
 Eau Claire: \*NS 90.5 980w, 279 ft. (VCY America, Inc.)  
 Green Bay: WHID 88.1 NO-GE, PG< 15 kW, 995 ft.  
 La Crosse: WLXR 104.9 PC> 3.4 kW, 440 feet  
 Madison: W277AE103.3 NS-13w: WFEN88.3 Rockford, IL  
 Milwaukee: WQFM 93.3 adds Brademeier - talk (&)  
 New Holstein: KFKQ92.9 NO-CX-DE (3rd)  
 Sauk City: WMMX 96.3 FC to WW1 soft AC (&)

**WYOMING:**

Casper: \*\*\* 104.7 GA to add class A  
 Casper: \*\*\* 102.5 GA to add class A  
 Cheyenne: \*\*\* 99.9 GA to add class A



*Canada*

**ALBERTA:**

Grand Prairie: C- 95.5 NS-10w, religious, will only  
 broadcast on May 25, 1996.  
 Saddle Lake: C- 89.9 wants NS, Native/English, 10w,  
 partial relay of CFWE 88.9 Lac la Biche  
 Whitecourt: C- \*\*\* FM granted for Yellowhead Bdctg.

**FM NEWS**

**BRITISH COLUMBIA:**

Abbotsford: CKSR- 92.5 wants relay here, 890 watts  
 Abbotsford: CKSR 107.5 PG< 15 kW, XG: Mt. Seymour  
 (to serve Vancouver)  
 Cheslatte IR: VF223097.1 QG to 95.1  
 Donald Stn: \*\*\* - two FM low power relay stations  
 granted, for CFMI 101.1, and CISM 103.9  
 Kamloops: CBPL 101.9 PG> 10w (Env. Canada station)  
 Nakusp: \*\*\* ? NS, other details unknown!  
 Vancouver: \*\*\* 94.5 applications for this new freq.  
 Vancouver: \*\*\* 96.1 applications for this new freq.

**MANITOBA:**

Winnipeg: \*\*\* 106.3 NS, 20w, 5/25/96 only, religious

**ONTARIO:**

Astoriaville: C- 93.5 wants 50w temp. French station  
 Ft. Erie: CKEY 101.1 FC, evolving a bit more towards  
 dance oriented modern rock, instead of guitar base  
 Hawkesbury: CHPR102.1 will go stereo by Oct. 12, 1996  
 Noelville: C- 93.5 wants 50w temp. French station  
 North Bay: C- 93.5 wants 50w temp. French station  
 St. Charles: C- 93.5 wants 50w temp. French station  
 Simcoe: CHNR 1600 wants 106.7, 3.32 kW, AM 1600  
 would go silent within one year of change  
 Thunder Bay: CJSD 94.3 QG< 93 kW (in conjunction with  
 a move to a better site with higher HAAT)  
 Thunder Bay: CJLB105.3 wants class C status and XG  
 to Mt. Baldy

**PRINCE EDWARD ISLAND:**

Charlottetown: CHLQ93.1 FC to soft AC "Magic"

**QUÉBEC:**

Amos: C- CHOA296.5 req. to delete CHOA1 103.5 after  
 this stations power increase takes place  
 Blanc-Sablon: CBMS102.7 PG< 78 watts  
 Blanc-Sablon: CBSI21 107.1 PG< 78 watts  
 Levis: CFOS ??? PG< 3.597 kW (not sure of freq.  
 is this supposed to mean CFLS 102.9?)  
 Longueuil: CHAA 103.1 wants 103.3, 156 watts  
 Ste-Agathe-des-Monts: \*\*\* 101.9 app for tourist stn, 4.1 w.  
 Ste-Anne-des-Monts: \*\*\* NS, French, other det. unknown

**SASKATCHEWAN:**

Stockholm: C- 104.1 wants CKX 96.1 relay, 10 watts  
 independently owned

**YUKON:**

Whitehorse: C- 100.3 two 3 watt tourist stns applied for

**MARCH 1996**

\* Doug Smith checks in with station listings he  
 found on the Internet of the two Wisconsin Public  
 Radio networks...

**IDEAS NETWORK:**

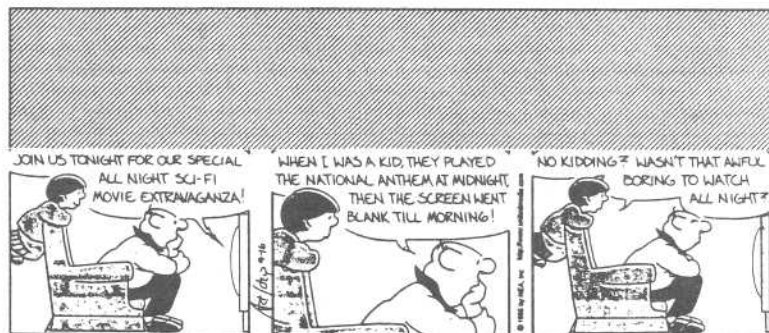
KUWS	91.3	Superior
WHAD	90.7	Delafield/Waukesha
WHLA	90.3	LaCrosse
WLBL	91.9	Wausau
WGBW	91.5	Green Bay
WHBM	90.3	Park Falls
WHWC	88.3	Menomonie
WLFM	91.1	Appleton
WHA	97.0	Madison
WHHI	91.3	Highland
WLBL	930	Auburndale
WRST	90.3	Oshkosh

**CLASSICAL MUSIC/NEWS NETWORK:**

WERN	88.7	Madison
WWSA	88.9	Brule/Superior
WVSS	90.7	Menomonie
WGTD	91.1	Kenosha/Racine
WPNE	89.3	Green Bay
WHRM	90.9	Wausau
WUEC	89.7	Eau Claire

Doug also comments: "WUWM 89.7 Milwaukee  
 airs its own news/classical/jazz programs, independ-  
 ent of the state network. There are also commer-  
 cial classical (WFM 98.3) and jazz (WFM? 106.9)  
 in Milwaukee. Many of these stations are NOT  
 owned by Wisconsin Public Radio, but carry some  
 or all WPR programs. Only the WH-stations,  
 WERN, WHA, WLBL, and WPNE are W.P.R.  
 owned.

Another short column this month, with less than  
 normal FCC info. Thanks to all of you who have  
 contributed!



BORN LOSER

--via Mike Reid,  
 North York, Ontario CANADA

# WESTERN TV-DX

March 1996

Victor Frank  
12450 Skyline Blvd.  
Woodside, CA 94062-4541  
email frank@sneezy.sri.com  
(415)851-7031

## TV Audio Receiver

Ron Wing  
6725 Shade Lane #106  
Wichita, KS 67212

Dear Victor,

You asked in Western TV DX about a car receiver that would receive TV SAP. Although I never got around to installing it, I bought such a device about three years ago. It is the Autotalk model TX. It cost around \$130. There is a radio box that installs between your car radio and its antenna. When the device is turned off, AM and FM signals pass through it amplified to your car radio. When it is on, the device generates an AM signal on 533 and 1066 kHz. The modulation for the signal comes from the device's VHF/UHF tuner. It is capable of receiving either main channel audio (in mono) or SAP.

The company address from the box is:  
Autotalk, Inc.  
1300 East Main Street  
Grass Valley, CA 95945

I think that having an RF amplifier ahead of your car radio would create intermod problems in a metro area. Maybe they make a model without it.

P.S. The device also has a phono jack, which is apparently for audio output. A person might use the device with a separate antenna and audio amplifier to avoid intermod problems with AM/FM reception

*I phoned the number given and was told that Autotalk Inc. had gone out of business. Any other leads, readers?*

Douglas E. Smith W9WI/4, WSMV TV Engineering  
5700 Knob Road, Nashville, TN 37209-4503 USA  
voice: (615) 353-4444

Interesting comments in January WTV. This is actually not the first TV station to use its SAP to extend the coverage of a radio station: WKPT-19 Kingsport, Tennessee carries WKPT-AM on their subcarrier.

When stereo TV was developed in the 1980s, several subcarrier frequencies were set aside. Stations may actually use any subcarrier they want, but if they use the 15.75 or 31.5kHz subcarriers, they must

adhere to the MTS standard. Those subcarriers are by far the best ones to use, so I know of no station doing things any other way. The subcarriers are all defined in multiples (or submultiples) of 15.734234 kHz, the horizontal sweep frequency:

"1H" 15.734234kHz Pilot  
"2H" 31.468468kHz L-R (for stereo)  
"5H" 78.67117 kHz SAP  
"6.5H" 102.272521kHz Professional channel

There's a lot of 15.734234 kHz energy floating around in a TV - the horizontal sweep amplifier delivers a power on the order of 40 Watts in a 19" TV. If, for example, the 19/38 kHz subcarriers used for stereo FM had been used in TV, the 19 kHz pilot and 15.734 kHz h-sweep energy would heterodyne, yielding a nasty 3.266 kHz beat note. (and a raspy one, since the 15.734 isn't a sine wave) This is why the multiples of 15.734234 were chosen. The subcarrier frequencies are frequency-locked to the horizontal sweep of the video modulating the transmitter - before the video is passed to the transmitter, it's looped through the stereo subcarrier generator. This prevents low-frequency beats from drift of the subcarrier frequencies.

Of course, the pilot and L-R signals are needed for stereo sound. For the most part, stereo TV works the same way as stereo FM, except for the different subcarrier frequencies and the use of DBX compression on the L-R signal. This compression reduces noise. I'd imagine most who DX both FM and TV have noticed the effects. A weak and noisy mono TV signal doesn't get much worse when you switch to stereo. On the other hand, a weak and noisy FM signal usually does get a lot worse with stereo.

The SAP channel was intended for a second-language soundtrack. (which is why it's labeled "L2" on many TVs, mine included) Several other countries had stereo before the USA. In Japan, the L-R subcarrier can be alternately used for second-language audio. (which means stereo and SAP are mutually exclusive there. Some kind of signaling is used so that the same transmitting equipment and receivers can be used either way) I'm told the most common use for this in Japan is to air the original English audio on American programs.

## Western TV DX (Doug Smith's comments conclude)

Here in the USA, I've heard a lot of things on SAP. Quite a few stations simply simulcast their main program. In some cases, this is because set owners have triggered their L2 button without knowing it, and can't figure out how to deactivate it. If the same program is on both channels, it doesn't matter <g>.. Some PBS stations, including my local WDCN-8, are carrying "Descriptive Video Services". A narrator describes the scene, for the benefit of the visually-impaired. ("closed-captioning for the blind"?) Something else that's popular around here is a simulcast of the local 162.xMHz NOAA weather radio. That sure makes things easy to ID! Finally, one station (WLKY-32 Louisville) uses SAP to distribute news promos to local radio stations.

Finally, there's the Professional (or Pro) channel. This one is of limited bandwidth (3 kHz audio bandwidth) and no compression is required. (though most stations use it anyway) This channel is intended for internal use by the TV station, and not for reception by the general public. The two most popular uses are for cuing reporters on live remote (which seems to be what KRON and KPIX are up to - try listening to their Pro channels during a news broadcast, I'll bet you'll hear some producer's cues) and to return telemetry data from the transmitter to the studio. (which seems to be what KGO and KOVR are doing) You're the first DXer I'm aware of to be listening to these

Usually, all subcarriers are present at all times. It's \*possible\* to turn them on and off, but it usually isn't done.

Personally, I count TV DX regardless of which part of the signal is used to make the ID. Sometimes, CCI will obscure the ID slide while the aural ID is clear. Or, the visual ID will be so tiny as to be illegible even with a snow-free picture. On the other hand, some state PBS networks don't even do aural IDs (the FCC says audio \*or\* video, you don't have to do both) so it's necessary to see the picture. WOSU-34 and WLIO-35 are in my logs only because of SAP - I had the correct networks on audio and video but no local content. But the Toledo and Columbus NOAA radios on the SAP positively IDd both stations. If I had a teletext receiver, I'd certainly count teletext IDs. (though as you say, the picture has to be pretty good before teletext works!)

Fernando's DX continues to amaze! Though, having visited south Texas in December, I can say tropo conditions down there are much better than

anywhere else I've been. 300-mile car radio FM reception doesn't seem unusual.

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report covers December 1995 and January 1996. December started out with unsettled air conditions, but returned to a fairly stable inversion and warm temperatures from Dec. 8 to 15. This allowed some fair coastal tropo DX to San Diego/Tijuana, channels 6-69 (175-200 miles). After Dec. 15, winter finally hit with the cold, rainy season (snow, higher in mountains) and no more tropo DX. It has been that way since then. Best of DX to all, Dennis.

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

## Equipment:

VHF: Zenith System 3 19" TV, Winegard PR-5040 at 18' AGL, Tandy RG-6QS, Channel Master 9510A rotor; UHF: JC Penney (RCA) 19" TV, Goldstar GHV-1280M VCR w/ RDX UA-75 UHF balun at input, Channel Master 4257 Quantum corner-yagi w/Winegard GA-4700 preamp at 24' AGL, Belden RG-6, Archerrotor B.

December 1995				UTC
25 Es	1600 unIDs	2 Mexico		
	1758 WGRZ	2 NY		1091
	WUND	2 NC		1031
	1803 WUNC	4 NC		875
	1808 WRAL	5 NC		896
	1829 KDKA	2 PA		945
	1831 WCMHt	4 OH		
	1835 WOAY	4 WV		810
	WTAE	4 PA		945
	1845 WLWT	5 OH		695
	1859 WTVH	5 NY		1212
	1920 XHBS	4 SI/SO		
	unIDs	2,4 Mexico		
	1940 WDTN	2 OH		735
25 Es	2005 unID	5 Mexico		
	2115 WBBM	2 IL		737
	2120 CHBX	2 ON		1098
	2140 WBAYt	2 WI		
	2250 KPHO	5 AZ		1065
	2255 KNAZ	2 AZ		1045
	2320 KVOAt	4 AZ		
	2325 WMAR	2 MD		1072
	2333 WCSC	5 SC		805
26 Es	0035 WCBD	2 SC		805
	0145 WGRZ	2 NY		1091
	0208 unID	2 CTV		

Western TV DX (Danny Oglethorpe's report continues)

26 Es	0220	WIVB	4 NY	1091
	0230	unIDs	4,5 Canada	
	0255	WJBK	2 MI	904
	0415	WFOR	4 FL	939
		WPBT	2 FL	939
	0420	unIDs	2 Spanish	
	0429	WESH	2 FL	789
	0433	Cuba	2 Test Pattern	
	0505	WJXT	4 FL	728
	0515	WCIV	4 SC	805
	0525	WVAY	3 NC	924
	0540	WOAY	4 WV	810
	0610	WFMY	2 NC	838
	0645	WMAR	2 MD	1072
	1559	WUND	2 NC	1031
	1650	KNAZ	2 AZ	1045
		unIDs	2,4,5 US & Mexico	
	1720	KPHO	5 AZ	1065
	1729	KMOHT	6 AZ	
	1745	KVVU	5 NV	1238
	1758	KVOA	4 AZ	1004
	1800	KTVK	3 AZ	1065
	1915	unIDs	2,4,5	
		WUNC	4 NC	875
	1925	WCYB	5 VA	721
	1928	WSJK	2 TN	665
	1935	WOAY	4 WV	810
	1945	WRC	4 DC	1042
	1950	WDTV	5 WV	876
		WTTG	5 DC	1042
	2025	WUND	2 NC	1031
	2045	WTMJ	4 WI	801
	2059	WBBM	2 IL	737
	2110	WTOM	4 MI	1042
		WMAQt	5 IL	
	2120	WCBDt	2 SC	
	2135	KDKA	2 PA	945
	2140	WNBC	4 NY	1238
		"Tri-State Nx Ch."		
		unIDs	2,4,5	
	2202	WGRZ	2 NY	1091
	2205	WIVB	4 NY	1091
	2215	WDIV	4 MI	904
	2218	WDTN	2 OH	735
	2237	WTVH	5 NY	1212
	2240	WTAEt	4 PA	
	2259	WCVB	5 MA	1423
	2305	WBZ	4 MA	1423
	2320	WGBHt	2 MA	
	2350	CBFT	2 PQ	1414
27 Es	0155	unID	2 XEW	
		XHLPB	4	
	0225	KTWO	2 WY	996
	0245	WUND	2 NC	1031

0255	WUNC	4 NC	875	
0259	WMAR	2 MD	1072	
0315	unIDs	2,4 Canada		
0330	WRC	4 DC	1042	
	unID	5 Mexico		
0335	WTTG	5 DC	1042	
0340	KDKA	2 PA	945	
0356	WJBK	2 MI	904	
0359	unID	5 CBC "Manitoba"		
		with Winnipeg ads.		
	0401	WCCO	4 MN	870
27 Es	0410	WTAE	4 PA	945
		KSTP	5 MN	869
	0412	KGFE	2 ND	1086
		WGRZ	2 NY	1091
	0415	KXJB	4 ND	1028
	0433	WDTN	2 OH	735
		unIDs	2,3,4,5 US & Canada	
	0528	WUND	2 NC	1031
	0608	KDKA	2 PA	945
	0635	CKND	2 MB	1279
	1610	unIDs	2,4,5,6 Mexico	
	1704	XHG	4 Jalisco	1003
	1743	XEDKt	6 " " Telemundo	
	1810	KOAA	5 CO	734
	1815	KNAZ	2 AZ	1045
	1820	KCNC	4 CO	734
		unIDs	2,4,5 US & Mexico	
	1950	KVVU	5 NV	1238
		KCWC	4 WY	1071
	2130	XHAGU	2	
		unIDs	2,4,5 Mexico	
28 Es	0245	KWGN	2 CO	806
	0315	KDUH	4 NE KOTA-3	852
	0340	KTWO	2 WY	996
		KXMA	2 ND	1110
	0430	CKCK	2 SK	1367
	0501	CKND	2 MB	1279
	0515	KNAZ	2 AZ	1045
	0523	KASA	2 NM	753
		"Casa Fox 2"		
	0555	WUND	2 NC	1031
	1559	WESH	2 FL	789
	1605	WPBT	2 FL	939
		WFOR	4 FL	939
28 Es	1630	unIDs	2,4,5 US & Mexico	
		1855 unID	6 Mexico	
		2000 unID	3 XEW Local off.	
		2015 unID	2 Note #1.	
29 Es	0420	WGRZ	2 NY	1091
29 tr	0845	KCEN	10 TX	229
		1753 KAFT	13 AR	254
		1825 KTEN	10 OK	234
30 tr	0915	WLOX	13 MS	319
31 Es	0640	KDKA	2 PA	945
	tr	0745 KCEN	6 TX	229
		0830 KTEN	10 OK	234

Western TV DX (Danny Oglethorpe's report concludes)

31 tr	1625	KOCO	5 OK	303
		1628 KWTV	9 OK	303
		1650 KETA	13 OK	303
		1725 KAFT	13 AR	254
		2035 KTUL	8 OK	288

Note 1: This Mexican station IDED as "Canal 2." The logo was a two with the word "canal" written around the top part of the two. Each letter was in a circle. In and out for almost two hours.

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228-2744

Equipment:

Emerson 1987 model 872 VCR used as the tuner ahead of a 9" B&W Keepsafer CCTV monitor. Archer V-100 and 8-bay bow-tie UHF array at 20' AGL with rotor

October 1995 CST

06 Es	1803	TGV-	3 GUATAMELA	1120
12 Es	1936	XHBQ-	3 ?	
19 tr	1355	(LPTV) 54	local showing freeway t/c	
23 Es	0929	WEAR-	3 FL PENSACOLA	660
23 Es	0939	WBRZ	2 LA BATONROUG	446
23 Es	1104	WREG-	3 TN MEMPHIS	645
23 Es	1429	WDIQ	2 AL DOZIER	739
24 Es	0928	WCBD	2 SC CHARLEST	1139
24 Es	1045	WSAV-	3 GA SAVANNAH	1040
24 Es	2059	KGFE	2 ND GRANDFOR	1289
25 Es	0849	KOTA-	3 SD RAPIDCIT	1039
25 Es	0852	KXMA	2 ND DICKINSON	1213
25 Es	0942	KTWO-	2 WY CASPER	1011
25 Es	1029	KUTV	2 UT SALT LAKE	1083
25 Es	1110	KGAN	2 IA CEDARRAPI	960
25 Es	1129	WCIA	3 IL CHAMPAIGN	931
25 Es	1158	WJBK-	2 MI DETROIT	1238
25 Es	1255	WDTN	2 OH DAYTON	1076
25 Es	1359	WISC-	3 WI MADISON	1062

November 1995 CST

26 tr	0154	KTRE-	9 TX LUFKIN	263
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December 1995 CST

04 Es	1815	KGAN	2 IA CEDARRAPI	960
04 Es	1826	KIMT	3 1011	
04 Es	1859	WISC-	3 WI MADISON	1062
16 Es	1759	KBME-	3 1187	
16 Es	1759	KUSD-	2 SD 942	
24 Es	1654	WCBD	2 SC CHARLEST	1139
24 Es	1706	WFMY	2 NC GREENSBO	1173
24 Es	1727	WBTV	3 NC CHARLOTT	1090
25 Es	1356	WESH	2 FL DAYTONAB	1040

25 Es	1359	WEDU	3 FL TAMPA	994
25 Es	1455	WBBM	2 IL CHICAGO	1053
25 Es	1526	XHBC	3 BN MEXICALI	1022
25 Es	1653	KTWK	3 AZ PHOENIX	836
25 Es	2207	WVAY	3 NC WILMINGT	1237
25 Es	2222	WKYC	3 OH CLEVELAN	1253
25 Es	2223	WBTV	3 NC CHARLOTT	1090
25 Es	2325	WDTN	2 OH DAYTON	1076
25 Es	2334	WSAZ	3 WV HUNTINGT	1123
26 Es	0025	KTVI	2 MO ST LOUIS	782
26 Es	1056	WKYC	3 OH CLEVELAN	1253
26 Es	1107	WSAZ	3 WV HUNTINGT	1123
26 Es	1127	WAVE	3 KY LOUISVILL	974
26 Es	1459	KIDK	3 ID IDAHOFAL	1240
26 Es	1940	KCBS	2 CA LOSANGEL	1186
26 Es	2101	XHBC	3 BN MEXICALI	1022
26 Es	2235	KVBC	3 NV LASVEGAS	1052
27 Es	1058	WEDU	3 FL TAMPA	994
27 Es	1256	XHBC	3 BN MEXICALI	1022
27 Es	1400	KCBS	2 CA LOSANGEL	1186
27 Es	1424	KIDK	3 ID IDAHOFAL	1240
27 Es	1433	KVBC	3 NV LASVEGAS	1052
27 Es	1523	KNAZ	2 AZ FLAGSTAFF	843
27 Es	1959	KGAN	2 IA CEDARRAPI	960
27 Es	2204	WISC	3 WI MADISON	1062
28 Es	0959	WCBD	2 SC CHARLEST	1139
28 Es	1058	WEDU	3 FL TAMPA	994

Comments: A slow fall Es season. The Oct 23 short skip into Baton Rouge is as close as it ever gets here.

The 54 LPTV now runs 05-2000 with innumerable locales for camera views of the freeway traffic flow (with pans and zooms). Still absolutely no local publicity about its existence even though it has provided live coverage of several accidents.

Temps here in the low-80's caused a lot of tropo that buried most of the effects of the Geminids (not that I do much with the TV anymore when our locals 4 and 5 are never off air).

A huge amount of Es 25-28 Dec here, with many hours spent on the FM band during it.

Keith Smith, 7601 N Hwy VV #95, Columbia, MO 65202. (573)443-1750.

Equipment:

Funai FC1300T TVCR with (cc) decoder. Co-tenant's antenna.

December 1995 CST

14 tr	1450	KMBC	9 MO	
		KYFC	50 MO	
	1459	KTKA	49 KS Garfield	176
	2220	KDNL	30 MO	



**Western TV DX** (Keith Smith's report concludes)

14 tr	2220	Springfield 10/21/27/33	
		Note #1	
	2227	KMCI 38 KS	
	2253	KSHE 41 MO	
16 tr	0352	KOTV 6 OK	Note #2 274
26 Es	1326	KGBT 4 TX	920
		KRGV 5 TX	932

**Notes:**

1. All in snowfree s(CC). KSPR-33's weatherman bore a striking resemblance to Alex Trebek. Sounded like him, too!

2. The credit for this one actually goes to my cable company. You see, they pull in KMOS-6 for this tier because it is not receivable over-the-air without a strong antenna. (Heck, it doesn't even cover Rocheport very well!) Well, KMOS-6 was off at this time... KOTV sneaked in on the channel through the line, with a snowy test pattern. Thanks, Capital Cable! Your antenna is better than you think.

No DX in January... hope February is better. (I may even throw in an April Fools' joke!)

This is your conductor breaking in: I have received a very large report of TV & FM DX from Anthony Mann in Perth, Western Australia which I will probably not be able to include in its entirety. The FM reports rightly fall in the bailiwick of Southern FM DX. Most of the IDs fall in this category. Most of the others are identified only by video carrier frequency and beam direction. Nevertheless, there are some TV stations, and groups of stations, in that part of the world that do have unique frequencies. Perhaps one of the best of these is KVZK-TV2 on 55.247 MHz in American Samoa, 4700 miles distant from Perth.

One item to bear in mind when perusing Mr. Mann's report is that the first two or three letters of Australian TV station calls are an abbreviation of the name of the license. They end in the channel #. The last letter denotes the Australian state they are in: n=New South Wales, q=Queensland, v=Victoria, s=South Australia, w=Western Australia, l=Northern Territory, c=A.C.T. (capital), t=Tasmania.

Since there are a number of different TV formats used by countries within Mr. Mann's reception range, it seems altogether fitting and proper that we should inform our readers of just what the standard frequencies are. Note that, as in the USA, stations may be assigned frequencies offset plus or minus 10 kHz, and some (like KVZK) may be found on other offsets.

**TV Channel/Frequency Table**

Channel	Video	Audio	Countries
NZ1	45.250	50.750	New Zealand
AU0	46.250	51.750	Australia
E2	48.250	53.750	Malaysia, Thailand
R1	49.750	56.250	Russia
C1	49.750	56.250	China
A2	55.250	59.750	Philippines, Korea, Am. Samoa, Hawaii
E3	55.250	60.750	Malaysia, Thailand
NZ2	55.250	60.750	New Zealand
AU1	57.250	62.750	Australia
C2	57.750	64.250	China
R2	59.250	65.750	Russia
A3	61.250	65.750	Hawaii, Philip, Korea
E4	62.250	67.750	India, Indonesia, Malaysia, Nepal, Pakistan, Thailand
NZ3	62.250	67.750	New Zealand
AU2	64.250	69.750	Australia
C3	65.750	72.250	China
A4	67.250	71.750	Same as A2
A5	77.250	83.750	Korea, Thailand, Am. Samoa, Hawaii
R3	77.250	83.750	Russia
C4	77.250	83.750	China
A6	83.250	87.750	Korea, Philippines, VietNam, Hawaii
R4	85.250	91.750	Russia
C5	85.250	91.750	China
AU3	86.250	91.750	Australia

In the report below, "b" refers to bfo, and suggests that the signal was weak, much too weak for audio or video reception

A. Mann, Perth, Western Australia

**Equipment:**

Icom R-7000, Mitsubishi DA-F10 analog FM tuner, Onkyo T-488F tuner (after 14 Dec 95), Channelmaster "Crossfire" 1617A manually rotatable, horizontal polarization.

Note: 55.2X is from the north unless otherwise noted.

Below is my TV (&FM) DX log for Nov 29 to Jan 18. There have been many multi-hop Sporadic-E openings, at least 5 to America Samoa (4700 miles). (Dec 26, Jan 5, Jan 14, Jan 16, and Jan 18). The best was on Jan 14th when I had the audio at 59.747 mHz as well.

November 1995	GMT+8hr
29 0740	46.17 Queensland b, 46.24 b
0824	45.2501, 45.2601, 46.17, 46.24, 57.260

**Western TV DX** (A. Mann's report continues)

28 0953	45.2501b, 46.24, 46.17, 46.2612b
	57.2501, 57.2583, 57.2601, 62.75
1004	Ditto+51.67, 51.74, 45.2398, 55.2398NZ
1048	45.24, 5, 6, 26.17, 46.24, 46.26, 55.24NZ
	57.25, 57.26
1854	46.17 b
30 0824	46.17, 46.26, 57.250
0944	45.250, 46.24

**December 1995**

01 0830	45.250, 57.250
05 1752	48.250, 48.251, 55.2501 Thailand
1808	55.2501 60 Hz buzz (VietNam?)
	55.2503/4 b weaker, gone by 1825
06 0700	57.250
0900	46.17, 57.250 @0930 (57.250 only)
1745	57.250 @1830
07 0709	46.24, 51.74, 57.250
0728	45.24, 45.25, 45.2605, 46.17b,
	46.2612b, 46.2501b, 46.24, 51.74
	57.250b
08 0830	46.17, 46.24, 46.25, 57.26b
0930	46.17, 51.67, 57.26b
09 0618	46.17b (Mt Mowbulla, Queensland)
11 1000	45.240b, 46.17, 46.24
14 0640	45.250b, 46.24, 46.260b
0740	45.250b, 45.240b
15 0610	46.24 b (gone 0700)
0930	45.240b, 45.2500(2), 45.2600, 46.17,
	46.240, 46.250b--all gone 1040.
16 0830	45.2499/.2501(2), 46.26, 46.17, 51.67,
	57.2400 (seq1?), 57.248b, 57.2603.
0849	Ditto+46.2616, 45.24, 45.2605
0901	57.2400 strong
0920	Ditto+55.2500bNZ, 45.2503
0953	+50.75
1053	45.24, .25, .26, 46.17, 46.24, 46.25,
	55.2503, 57.2500
1400	(North) 55.2399b, 55.2501(2) echoey
	b, A2? (gone 1410)
17 0810	45.2398(2), 45.2500, 45.2605, 45.2609,
	46.24, 55.2500NZ, 57.2501 (gone 0930)
18 0847	46.17, 57.2501
0847-1100	Australian FM by Es & tropo
1335	45.2501, 45.2600, 45.2603, 55.250 NZ
18 1450	Ditto
1540	45.24, 24.25, 45.26(2), 55.2501NZ,
	50.75 (in until 1650), 49.7501b
1600	+60.75, 552.50 & 55.2399NZ
1621	55.2601
1629	62.2399bNZ, 45.2400, 45.2500,
	45.2501, 45.2600, 45.2610
1650	55.2400, 55.2500NZ, +46.2400
1700	46.24 & 51.74, 57.250, 57.2583b
1740	45.24, 45.25, .26, 46.24, 57.25, 57.2601

18 1740	55.2602bNZ, +50.75 (in past 1827)
1745	+45.2610b, 48.2401b, 48.2500b,
	and 48.2510 b (Thailand)
1827	45.24, .25, .26, 55.2400bNZ, 55.2606
	b NZ, 57.2500 (also at 1855)
19 0755	45.25+/-
0947	45.26b, 57.250
1013	45.24, 45.26b, 46.24b, 57.250, 57.25
1024	55.240 b NZ
1044	45.24+46.2605b, 46.24b, 26.26b
	57.2500
1100	ditto + 46.17
1738	46.17
1952	45.2503 b, 46.24 b, 57.250
21 0636	46.17+51.67, 45.24(2), 45.25, 45.26,
	46.2610b, 57.2401, 57.2501
	ABSQ1 57.2601, 55.2500 b NZ
0716	ditto+55.2605bNZ, 0738 +57.2400
0740-1738	FM Hamilton, AliceSp, Elizabeth
0940	46.24, 51.74, 55.2400 NZ
1030	45.24, 45.25, 45.26; 55.24, 55.25, 55.26
	b NZ; 57.2583, 57.2500, 57.260,
	46.17, 46.24, 51.67, 51.74
1139	45.250, 45.260; 46.24, 46.17, 46.261,
	51.67, 51.74, 57.250, 57.258, 57.260
1225	50.75, 45.24, 45.25, 45.26; 46.24, 46.17
	51.67, 51.74; 55.24, 55.25NZ
1251	55.240 + 62.2399b NZ
1301	+50.74 (in past 1327)
1314	45.24, 45.26; 26.24, 50.75, 51.74; 55.24
	55.25NZ; 57.2501(2), 62.75
1539	45.24, 45.25, 45.26, 55.24+55.25NZ;
	50.75; 62.2400bNZ, 57.250, 57.260
21 1627	50.75; 55.250NZ, 60.75
1704	50.74; 55.2500>55.2600 & 55.2605NZ
1738	51.74, 50.75; 55.240NZ
1740	45.24, .25, .26; 46.17, 46.24, 60.74
1806	ditto+51.74; 55.24NZ
1836	45.24, .25, .26; 26.17, 46.24, 46.2613
1854	ditto+57.250, 57.260
1930	46.17b, 46.24, 45.24, 57.250, 57.260
2100	45.24, .25, .26; 26.17; 55.24 & 25bNZ
22 0615	45.24, 45.25b
0803	45.24, .25, .26, 46.17; 46.24, 51.67;
	57.2502, 57.2602, 55.250bNZ
0850	Melbourne FM
0953	0803+55.24, 55.25bNZ, 57.25, 57.26
22 1529	57.250
1708	46.24+51.74, 57.2503, 57.2602
23 0846	46.17, 46.24; 46.26; 57.25, 57.26
1043-1911	FM S. Australia & Alice Springs
1043	46.17; 46.24b; 57.24, 57.26; 62.75
1730-1913	46.17; 46.24b; 57.250, 57.2605;
	62.75, 45.25, .26, 51.67, 55.2605bNZ
24 0710	46.17 & 46.24b
0825+0833	45.2399, 45.25, 46.17, 46.24,
	57.25, 45.2502, 51.74, 57.2502, 57.2583
	57.2602, 55.2399bNZ

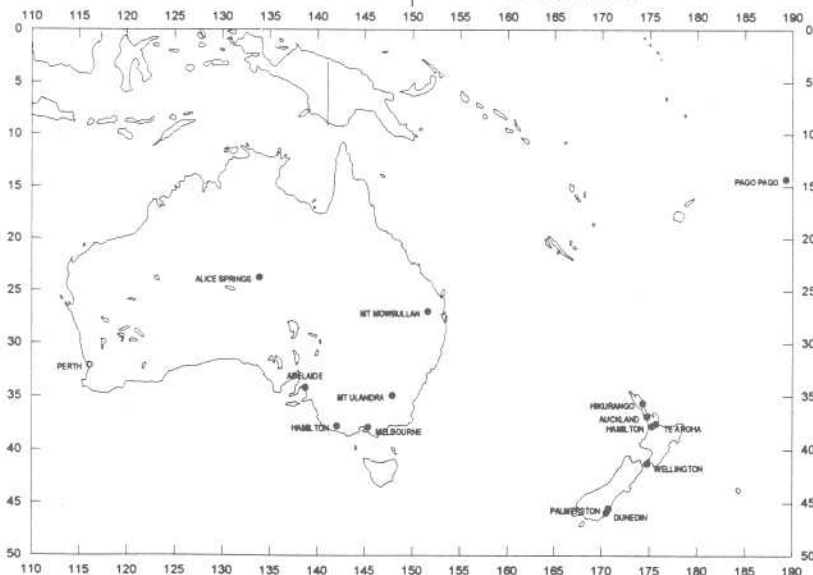


Western TV DX (A.Mann's report continues)

24 0838-0930 FM Adelaide, S. Australia  
 1016-1247 55.240bNZ, 46.17b, 46.24b, 57.250  
 57.260, 57.2503, 57.2583  
 1645-1733 46.17, 57.2601b, 51.67, 57.240,  
 57.260  
 2117-2200 57.2503, 57.2603, 46.17b, 46.24b  
 25 0620-0821 45.240b, 45.25b, 45.26b, 46.17b  
 1309 45.2398, 45.2606, 46.2402, 57.2502,  
 57.2602  
 1557-2030 45.24, 45.25, 45.26, 50.74, 57.25,  
 46.17, 55.240NZ, 45.2605, 57.2501b,  
 50.76, 62.250b, 46.15b, 57.2401b,  
 57.2583b, 51.67, 46.24, 46.26, 57.2601  
 26 0828-1000 46.17, 46.24, 57.250, 57.260b,  
 55.2401bNZ?, 55.2501b?, 51.67, 45.25b  
 45.2605b, 0852-0926 FM S Australia  
 1750 NE 46.17, 55.2472b (KVZK), 45.2601b  
 29 1802-1819 45.2501b, 45.2399b, 55.2605bNZ

January 1996 UTC+8 hrs  
 03 0710 57.250b  
 1655-1850 46.17, 45.250b, 55.250bNZ, 57.250  
 04 0844-0909 46.24, 57.250, 45.2605b, 46.17b  
 1622-1846 45.2398b, 45.2501, 46.17, 45.24,  
 45.25, 46.24b, 55.2501bNZ, 46.2611b,  
 55.2507bNZ, 57.250b  
 05 0940-1110 46.17, 46.24b, 57.2501b, 57.2601b  
 1405 46.17, 45.167, 46.261b, 57.260b  
 05 1413 ABSQ1 57.2600 & 62.76 Passchendaele  
 1413-1614 KVZK-TV2 55.2471-55.2472 4700  
 1452-1650 57.250, 57.2601b, 57.2583b, 46.17  
 46.24b, 45.2605b, 45.2399, 46.261b,  
 57.2401b, 51.67, 55.2400b  
 06 0700 46.17b

07 0900-1005 45.2397b, 45.2605b, 46.17, 46.261  
 57.2501, 57.2601b, 57.2500, 57.2503,  
 62.75  
 1115-1300 57.250  
 09 0850-0945 57.250, 45.250, 45.2600b  
 10 0553 46.17b, 46.24b, 57.25b, 57.26b  
 0820 46.17b  
 11 1255 57.250  
 14 0725-0945 45.2398, 45.2605, 46.17, 46.24,  
 55.2399NZ, 57.250, 57.260, 45.240,  
 45.260, 46.26, 55.25, 57.2602, 51.67,  
 62.2399bNZ  
 0725-1250 Australian FM  
 1000 51.74, 55.240bNZ  
 1000-1210 KVZK-TV2 55.2471-55.2472b 60Hz  
 1140-1252 46.24, 46.26, 46.17, 45.24, 45.26,  
 51.74, 57.250, 57.260, 55.240 & 250NZ,  
 55.2501b, 50.76, 57.24, 62.240NZ  
 1143-1210 55.747 TV Audio  
 15 1745-1830 57.250  
 16 0830-0839 KVZK-TV2 55.2469bfo 4700  
 0830-0955 45.2605, 46.2611, 62.2399bNZ,  
 46.17, 51.67, 45.25, 50.75, 57.24, 57.25  
 57.26b, 55.244.25bNZ, 45.24, 45.26  
 1635 57.250  
 1837-2015 46.240, 57.250, 57.260  
 17 0659-1025 45.24, 45.25, 45.26, 55.24bNZ,  
 17 46.17, 57.25, 45.2398, 45.250, 45.260,  
 51.74, 57.2502, 57.2602, 55.2399bNZ,  
 55.2501bNZ, 57.260  
 18 0807-0825 45.24, 45.25, 45.26, 46.17,  
 55.2397 & 55.2501NZ, 57.2501b, 57.2601b  
 62.240bNZ, 50.74  
 0857-0907 KVZK-TV2 55.2469b Am. Samoa  
 0857-0950 46.261, 46.24 & 51.74, 46.17,  
 45.2698, 45.2500, 45.26800, 45.2610,  
 50.74, (55.24 & 55.25NZ), 62.2398bNZ,  
 45.24, 45.26(2)



Australia/New Zealand TV

# NORTHERN FM-DX

GREG CONIGLIO  
 5100 GLENWOOD DRIVE  
 WILLIAMSVILLE, NEW YORK 14221  
**NOTE: NO VALID E-MAIL ADDRESS**  
**(will have a new one shortly)**

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada  
**March 1996 - DEADLINE: The 5th - LOG CUTOFF: 3 months from postmark**

Another relatively short column, as not much is happening in DX-land. My apologies to Ralph Strobel for the delayed printing of his report on the following page. It just missed the January VUD, and then got accidentally placed in the wrong file folder, missing February's column. So the loggings being that old are my fault, not Ralph's. Sorry! Let's hope that some warmer weather will prevail by the time you get this - a cold winter up here! With the warmer weather, be on the lookout for some tropo!! If you get any DX, let's hear from you today! ...

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

Equipment: Carver TX-11 and Sherwood rx, (both IF modified), Probe 9 at 30 feet with rotor. New are underlined. Also older Sherwood AM/FM also modified.

### DECEMBER 1995 DX

**25 ES**  
 2220 KDGE 94.5 TX Gainesville, "The Edge"  
 2229 KOLL 94.9 AR Maumelle, oldies  
**26 ES**  
 0947 WBLX 92.9 AL Mobile, "93-BLX"  
 "The Beat of the Bay"  
 0950 WEZB 97.1 LA New Orleans  
 0953 WQUE 93.3 LA New Orleans, "Q93"  
 nothing but jams." I believe it.  
 0955 WMMK 92.1 FL Destin, "K92", k  
 1000 WOGI 93.5 AL Butler  
 1000 WKSJ 94.9 AL Mobile, k  
 1001 WLUN 95.3 MS Lumberton.  
 1747 WOOF 99.7 AL Dothan

### Dec. 26 Es cont.

1753 KKBQ 92.9 TX Pasadena, "93 Q Country"  
 1755 KEYH 97.1 TX Cleveland, SS (w/EE ID)  
 1803 KWKH 94.5 LA Shreveport, k  
 1812 KZMZ 96.9 LA Alexandria, classic rock  
 1827 KCIL 107.5 LA Houma, k  
 1829 KKYR 102.5 TX Texarkana, "Kicker", k  
 1835 KUAR 89.1 AR Little Rock  
 1839 KGAP 98.5 TX Clarksville, wx, g  
 1843 KURB 98.5 AR Little Rock  
 1845 KZRB 103.5 TX New Boston, rap  
**27 ES**  
 1153 WZLQ 98.5 MS Tupelo  
 1201 WJNS 92.1 MS Yazoo City  
 1202 WSYE 93.3 MS Houston, "Sunny 93"  
 1204 WKTF 95.5 MS Jackson, "Catfish 95"

No phaser used this time. Had a new roof put on the house. Just barely got the Probe 9 up before the snow hit. My phase antenna now sits somewhere in the back yard buried under 1-2 feet of snow. We can consider this a gift from Santa. Thanks to Joe Fela for the tip. I was not looking for this.

## BRUCE ELVING - P.O. BOX 336- ESKO, MINNESOTA 55733-0336

FAX (218) 879-8333

Here's my report, with the only memorable DX occurring in December. That was the finest winter skip I ever experiences, although confined to the 88-92 part of the band, but lasting over three hours. It makes your analysis of E-skip days in 1995 off, since December 26-27 had to be one of the season's best. (Actually, I try to make the skip "season summaries" represent the summer skip season, for the very reason you mention: a last minute opening coming in and fouling things up. I do try and at least extend the summary March-October though. It was indeed a very nice opening, and a pleasant surprise, although with an MUF of only 92, it may not have made the Top 20 anyway-gc).

New stations heard were: WUNC \*91.5 Chapel Hill, NC with only a "WUNC" ID at 2200 CDT, following weather that referred to "the state" and "the mountains" without saying which state. No city of license gone into the hourly news. Mixing in was WFHC \*91.5 Henderson TN with what sounded like a sign-off. At 2305 I received KVRT \*90.7 Victoria TX, parallel to KEDT-FM \*90.3 Corpus Christi, "South TX Public Radio." At 7 past midnight it was KPAC \*88.3 San Antonio with separate programming from co-owned KSTX \*89.1. KPAC had classical, and was received after WHWC \*88.3 Menomonie WI signed off. Earlier, about 5 p.m. local time WXVS \*90.1 Waycross GA was heard in the Peach State Public Radio ID, as was previously received WAGP \*88.7 \$stereo, promoting the Bread of Life Bookstore in Beaufort SC. From Keith Pugh's Dec. report I'd like to know if WZKS 104.1 Union MS has stereo; from Bob Smolarek's Jan. report if WJCS \*89.3 Allentown PA is stereo. As ever, Bruce

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

Equipment: McIntosh MR-78 FM Tuner with two CM Stereo Probe 9 antennas and rotors at 36 and 38 feet above ground separated at 23 feet, with use of Bolin phase box.  
 \*Denotes use of phase box.

June 1995 (CDT)

13 Es				
1150 KNTU	88.1	TX Denton-Dallas-	808	
(Tri-city ID)		Fort Worth, j\$		
1159 KGNZ	88.1	TX Abilene-San Angelo-961		
		Snyder, g\$		
1200 KDCD	92.9	TX San Angelo, k\$	1036	
1249 KTXT	88.1	TX Lubbock, rp\$	1018	
1300 KKNW	89.5	NM Portales, b\$	1072	
15 tr				
0158 WPTH	88.1	IL Olney, faint, call 175		
(# 62 on		88.1 my best frequency)		
15 Es				
1047 WAYF	88.1	FL W Palm Beach, gr\$	980	
17 MS				
?? WHYI	100.7	FL Fort Lauderdale, 1018		
		Previous Es		
18 Es				
?? WUWF	88.1	FL Pensacola, c\$	683	
19 tr				
2108 WCAK	100.7	KY Carlisle, k\$	150	
		(testing/legal ID)		
26 Es				
0500 WUWF	88.1	FL Pensacola, nx\$	683	
July 1995				
1 Es				
1119 WKQS	94.7	FL Gifford, "Kiss-FM" 910		
(o/WFBQ		94.7 IN Indy)		
1127 WAOA	107.1	FL Melbourne, r\$		
1130 WKLG	102.1	FL Rock Harbor, wx\$	1136	
1141 WEEJ	100.1	FL Port Charlotte, o\$	931	
1149 WSOR	90.9	FL Naples, g\$	993	
1150 WGWD	93.3	FL Gretna, k\$, ads	655	
1151 WFLZ	93.3	FL Tampa, r\$	980	
1153 WZZR	92.7	FL Stuart, rp\$	944	
1217 WZFP	91.1	FL Fort Pierce, g\$	926	
1221 WJBW	99.5	FL Jupiter, o\$	965	
(o/WZPL		99.5 IN Greenfield-Indy)		
1223 WOZN	98.7	FL Key West, r\$,	1100	
		"The Ozone-98-7"		
1237 WAIL	99.5	FL Key West, ads\$	1100	
1240 WCKT	107.1	FL Lehigh Acres, k\$	963	
1254 WARO	94.5	FL Naples, o\$	993	
1259 KLDN	88.9	TX Lufkin, c\$	805	
1300 WSPF	90.1	FL Fort Myers, c\$	959	
1308 KRNH	95.1	TX Comfort, k\$,	1030	
		"On the Ranch"		
1318 KZEP	104.5	TX SAT, r\$	1050	
(o/WGRL		104.5 IN Indy)		
1319 KKPS	99.5	TX Brownsville, l\$,	1211	
		"K-Pasa-99.5"		
1325 KUKA	105.9	TX San Diego, ads\$,	1131	
		"Tejano-106"		
1337 KQTX	101.9	TX SAT, r\$	1050	
1339 KKY5	104.7	TX Bryan, r\$	903	
1342 KBAB	104.7	TX Llano-"K-Bay"	992	
		Marble Falls, ads\$		
1345 XHPAG	105.3	NL Monterrey, SS\$	1325	
1350 KCJZ	106.7	TX Terrell Hills-SAT,1047		
		Smooth j\$		

1 Es (July cont'd)

1354 KCPG	100.9	TX Victoria, l\$ SS 1028		
1357 XHABU	103.3	NL Anahuac, "Radio 1234		
(o/WRZX		103.3 IN Indy) NL" 50		
1402 XHNA	105.9	TM Matamoros, \$ 1212		
1405 KVET	98.1	TX Austin, ads\$ 978		
1409 KTBZ	107.5	TX Lake Jackson, p\$ 960		
1410 ESOX	102.1	TX Raymondville, o\$ 1187		
1416 KFSU	90.9	TX Houston, s\$ 915		
1419 KACC	89.7	TX Alvin, wx \$ 931		
		ex-91.3		
1435 KPLV	93.3	TX Port Lavaca, k\$ 1025		
1438 KXMR	93.9	TX Corpus Ch., r\$ 1098		
1515 KMDA	102.9	TX Alice, SS\$, 1125		
		"K-onda-102.9"		
1540 KOYE	94.9	TX Laredo, ads\$ 1193		
1605 KUT	90.5	TX Austin, t\$ 978		
1605 KNLE	88.1	TX Round Rock, g\$ 963		
1721 KLUX	89.5	TX Robstown, b\$ 1109		
1724 KL0L	101.1	TX Houston, r\$ 915		
1736 KHJQ	102.1	TX Houston, s\$ 915		
		(It took me 23 years to ID this one!)		
1750 KSBJ	89.3	TX Humble, g\$ 898		
1754 KRRG	98.1	TX Laredo, wx\$ 1193		
1801 KZFM	95.5	TX Corpus Ch., r\$ 1098		
(o/WFMS		95.5 IN Indy) 50		
1805 KVRT	90.7	TX Victoria, c\$ 1028		
1820 KQXT	101.9	TX SAT, wx\$ 1050		
1836 KRXT	98.5	TX Rockdale, k\$ 928		
		4 MS		
0000 WQCS	88.9	FL Fort Pierce, 926		
		Previous Es		
7 Es				
1825 WMSJ	91.9	ME Harpswell, g\$ 829		
1852 CIEZ	96.5	NS Halifax, mr\$ 1153		
1922 CKBW	93.1	NS Shelburne, calls 1060		
10 tr				
0400 WLGW	89.7	IL Springfield, g\$ 228		
(o/WONU		89.7 IL Kankakee) 145		
11 tr				
0240 KCMO	94.9	MO Kansas City, o\$, 495		
		PSA ment. KC, "Oldies-95"		
11 Es				
1806 KQSD	91.9	SD Lowry, nx\$, 816		
		SD Public Radio		
1819 KVSC	88.1	MN St. Cloud, p\$ 579		
1832 KBEM	88.5	MN Minneapolis, j\$, 518		
		Previous MS/tr		
1846 KKCT	97.5	ND Bismarck, k\$, 897		
		"Cat Country-97.5"		
1852 KNSG	94.7	MN Springfield, k\$ 565		
(o/WFBQ		94.7 IN Indy) 50		
1900 KESD	88.3	SD Brookings, nx\$, 650		
		Previous tr		
12 tr				
0256 KEEZ	99.1	MN Mankato, r\$ 521		
0500 WYPC	106.7	KY Horse Cave- 210		
		Glasgow, o\$		
1600 KTPR	91.1	IA Fort Dodge, c\$ 483		
1617 KSDR	92.9	SD Watertown, wx\$ 680		

- continued -

12 tr (July cont'd)

1655 KIOA	93.3	IA Des Moines, o\$	441	
1713 KIAQ	96.9	IA Clarion, k\$, ads	467	
1735 KFMG	103.3	IA Pella-Ames-	403	
		Des Moines, ads\$		
(o/WRZX		103.3 IN Indy)		
1833 KYSM	103.5	MN Mankato, k\$	50	
1903 KLSS	106.1	IA Mason City-	521	
		Clear Lake, rp\$	453	
1906 KRES	104.7	MO Moberly, bb\$	378	
1908 KCLD	104.7	MN St. Cloud,	579	
		gave calls twice		
1917 KPRS	103.3	MO Kansas City, s\$	495	
1928 KMZU	100.7	MO Carrollton, wx\$	435	
1940 KGRC	92.9	MO Hannibal, r\$	319	
1947 KKFJ	94.1	KS Kansas City, k\$	498	
1949 KUDL	98.1	KS Kansas City, mr\$	498	
1959 KKFJ	90.1	MO Kansas City, t mono	495	
(o/WFTI		90.1 IN Indy)		
2002 KLTZ	99.7	MO Kansas City, r\$	495	
(o/WBWH		99.7 IN Frankfort)		
2008 KKRR	97.7	IA Grundy Center, r\$	413	
2015 KCRN	99.5	IA La Mars-	586	
		Sioux City, r\$		
(o/WZPL		99.5 IN Greenfield-Indy)		
2032 KXIA	101.1	IA Marshalltown, k\$	413	
2043 KUNI	90.9	IA Cedar Falls, p\$	401	
2049 KDFR	91.3	IA Des Moines, g\$	441	
2055 KKYJ	92.5	IA Ankeny-Des Moines,	442	
		kokomo) k\$ 45		
(o/WZVZ		92.5 IN Kokomo)		
2100 KDGR	88.5	IA Sioux Center, c\$	592	
2103 KSJQ	92.7	MO Savannah-St. Joe, k\$ 500		
		(address: Box 879 St. Joseph, MO 64502)		
2114 KTUF	93.7	MO Kirksville, r\$	380	
2135 KCMO	94.9	MO Kansas City, o\$	495	
2200 KFMC	106.5	MN Fairmont, rm\$	523	
2206 KICD	107.7	IA Spencer, nx\$	544	
2212 KROC	106.9	MN Rochester, r\$	451	
(o/WMRI		106.9 IN Marion)		
2215 KUOO	103.9	IA Spirit Lake, r\$	548	
2218 WLTE	102.9	MN Minneapolis, ads\$	518	
2219 KDWB	101.3	MN Richfield, ads\$	517	
2235 WCCN	107.5	WI Neillsville, r\$	403	
2241 KOKZ	105.7	IA Waterloo, r\$	397	
2247 KHKI	97.3	IA Des Moines, k\$	441	
2253 KTCZ	97.1	MN Minneapolis, ads\$	518	
(o/WENS		97.1 IN Shelbyville-Indy)		
2300 KXCV	90.5	MO Maryville, c\$	500	
2300 KGGG	94.9	IA Des Moines, rp\$	441	
2344 WCOV	97.1	WI Sparta, k\$,	380	
		"Cow-97"		
(o/WENS		97.1 IN Shelbyville-Indy)		
2348 WJVL	99.9	WI Janesville, k\$	255	
2352 WMT	96.5	IA Cedar Rapids, mr\$	350	
2357 KHAK	98.1	IA Cedar Rapids, k\$	350	
2358 KMSU	89.7	MN Mankato, c\$	521	
13 tr				
0003 KRUU	98.3	IA Boone-Ames-	461	
		Des Moines, k\$		
0005 KAYL	101.5	IA Storm Lake, rp\$	537	
0008 KKKK	103.1	IA Clear Lake, op\$	461	
0020 KCTN	100.1	IA Garnavillo, k\$	355	
0032 KFIL	103.1	MN Preston, k\$	420	
0033 KDAT	104.5	IA Cedar Rapids, mr\$	350	
0047 KEGE	93.7	MN Minneapolis, p\$	518	
0054 KWBH	105.5	WI Trempealeau-	407	
		La Crosse, rp\$		

13 tr (July cont'd)

0100 WQCC	106.3	WI La Crosse, k\$	392	
0103 KQYB	98.3	MN Spring Grove, k\$	397	
0146 KDAL	95.7	MN Duluth, PSA\$,	567	
		(425 W. Superior St. Duluth, MN 55802)		
(o/WCLR		95.7 OH Piqua)		
0200 KRJU	91.3	MN Appleton-Dawson-642		
		Millbank SD, c\$		
0224 KDJS	95.3	MN Willmar, k\$	598	
0500 WHWC	88.3	WI Menomonie, nx	465	
0500 KN5R	89.1	MN Collegeville-	589	
		St. Cloud, nx\$		
0501 WCAL	89.3	MN Northfield, c\$	494	
0503 KGRR	97.3	IA Epworth-	325	
		Debuque, r\$		
(o/WHEE		97.3 IN Fort Wayne)		
0530 WVCC	98.9	WI Tomah, g\$	371	
0600 KBCN	104.3	AR Marshall, k\$	492	
14 tr				
0010 KWVK	96.5	MN Rochester, k\$	451	
0135 WCCN	107.5	WI Neillsville, r\$	403	
0310 KYSM	103.5	MN Mankato, k\$	521	
0717 WKTT	98.1	WI Cleveland, k\$, wx 311		
0800 WAPL	105.7	WI Appleton-	322	
		Oshkosh-Green Bay, r\$		
(o/WTLC		105.7 IN Indy)		
14 Es				
1500 XHEO	92.9	YU Merida	1351	
1500 XHNRI	93.7	YU Merida	1351	
1500 XHGL	97.7	YU Merida (all 1351		
1500 XHMT	98.5	YU Merida SS\$)	1351	
1500 XHMRA	99.3	YU Merida	1351	
17 Es				
1032 KLUX	89.5	TX Robstown, b\$	1109	
1037 KPVV	91.3	TX Prairie View, g\$ 921		
1047 KNBT	92.1	TX New Braunfels, \$1023		
1058 KTSR	92.1	TX College	829	
		Station-Bryan, ads\$		
1059 KTYX	92.1	TX Devine, ads\$	1083	
1059 KCLE	92.1	TX Glen Rose-	880	
		Stephensville-Granbury, ID		
		(WBST 92.1 IN Muncie, off air)		
18 Es				
1915 KVNE	89.5	TX Tyler, g\$	773	
1916 WBMV	90.5	FL Tampa, g\$	862	

19 Es (July cont'd)			17 tr (Aug. cont'd)		
1844 KVLG	101.1 NM Hatch, o\$	1317	2300 WZOE	98.1 IL Princeton, o\$	172
Las Cruces ads			ex-98.3		
1850 KMOU	104.7 NM Roswell, k\$, ads	1159	21 MS		
1853 KEND	106.5 NM Roswell, wx\$	1159	0009 KSIG	102.1 LA Basile, Previous Es	784
(Always heard as KEND-FM, not KURQ)					
1907 KSEL	95.3 NM Portales, k\$	1072	21 tr		
1910 KLBO	97.7 NM Belen, 1\$, SS, PSA for U of NM Santa Fe ads	1234	0110*QKRC	98.9 KS Leavenworth, rp\$ 510	
1927 KQIP	96.9 TX Odessa, o\$	1110	(o/WBYR	98.9 OH Van Wert-Ft Wayne	63
1938 KTYT	88.1 TX Lubbock, PSA\$	1018	0215 KYYS	102.1 MO Kansas City, rp\$ 495	
1945 KKCL	98.1 TX Lorenzo-Lubbock, op\$, ads	999	0859*KDVV	100.3 KS Topeka, op\$, 554	
1950*KRLB	99.5 TX Lubbock, r\$	1018	(o/WCWB	100.3 IN Connersville)	39
(o/WZPL	99.5 IN Greenfield-Indy)		1700*KHKI	97.3 IA Des Moines, k\$	441
22 Es					
1921 CHOE	95.3 PQ Matane, mr\$	1064	(o/WMLE	97.3 IN Fort Wayne)	62
25 Es					
1104 KZSP	95.3 TX S Padre Isl., k\$	1196	2300 WKLE	91.5 IN Westport-gr\$ 70	
1800 KTYT	88.1 TX Lubbock, r\$	1018	(ads with 1-800 #)	Seymour-Columbus	
28 tr					
2100*WKYI	99.1 KY Stamping Ground-Georgetown-Lexington, gr\$	135	23 tr		
(o/WBKO	99.1 OH Dayton)	67	0145 WLMD	104.7 IL Bushnell, k\$	271
29 tr					
0055 KQLA	103.5 KS Ogden, rp\$	607	0100 KUAR	89.1 AR Little Rock, c\$	533
0100 KANS	92.9 KS Osage City-Emporia, \$	568	0249 KFMZ	98.3 MO Columbia-Jefferson City, r\$	380
0108 KMAJ	107.7 KS Topeka, r\$	554	0258 KBXR	106.1 MO Ashland, r\$, "106-1 BXR"	379
0145 KLZR	105.9 KS Lawrence, rp\$		0328 WVRY	105.1 TN Waverly, k\$	312
0200 KCFN	91.1 KS Wichita, g\$, Previous Es	665	0504 KRES	104.7 MO Hoberly, k\$	378
0300 KUTY	88.1 KS Topeka, g\$	554	0515 KCFX	101.1 MO Harrisonville-Kansas City, op\$	490
0301 KHCD	89.5 KS Salina-Manhattan, Previous MS, c\$	659	26 tr		
0400 KANU	91.5 KS Lawrence, j\$	531	0300*WTRK	89.1 MI Bay City-"The Rock," gr\$	248
1025 KMML	96.9 TX Amarillo, r\$, Previous Es/MS	962	(o/WBNI	89.1 IN Fort Wayne)	62
1050 KTGL	92.9 NE Beatrice-Lincoln, op\$, ads, "The Eagle"	599	0500 CFHK	103.1 ON St. Thomas, nx\$, 285	
30 tr					
0550 KSYZ	107.7 NE Grand Island, r\$	683	"The Hawk"	London mentioned	
0557 KTUF	93.7 MO Kirksville, r\$, "K-Tough"	380	September 1995		
0600 KEEZ	99.1 MN Mankato, r\$	521	4 GW (Labor Day)		
0600 KYSM	103.5 MN Mankato, k\$	521	0700 WTUR	89.7 IN Upland, gr\$, (first day on air) s/on, 150 watts	20
31 tr					
2300 WASE	103.5 KY Radcliff-Elizabeth-town-Fort Knox, o\$	164	0350 UNID	89.7 ON ?	???
August 1995					
3 Es			October 1995		
1220 KMML	96.9 TX Amarillo, k\$	962	2 MS		
1226 KOMX	100.3 TX Pampa, k\$, ads	909	0800 WRR	101.1 TX Dallas-Ft Worth	815
1237 KBUY	94.1 TX Amarillo, k\$	962	4 MS		
1248 KSEC	93.3 CO Lamar, ads\$	935	0422 WVRV	101.1 MO St. Louis	278
1256 KSKL	94.5 KS Scott City-Garden City, ads\$	838	9 MS		
1303 KSPZ	92.9 CO CO Springs, o\$	1040	0143 KDVC	101.1 ND Valley City	784
1305 KWBI	91.1 CO Morrison-Denver, g\$	1047	?? WRR	101.1 TX Dallas-Ft Worth	815
1310 KXPK	96.5 CO Evergreen, r\$, ads, "The Peak"	1052	21 MS		
1329*KCGY	95.1 WY Laramie, wx\$ (o/WAJI 95.1 IN Fort Wayne)	1060	0606 WNOE	101.1 LA New Orleans	755
7 MS					
0009 KCCY	96.9 CO Pueblo	1038	22 MS		
11 MS			0308 KLOL	101.1 TX Houston	915
0259 KTSD	91.1 SD Reliance-Pierre	778	?? KLIR	101.1 NE Columbia	633
24 MS					
0159 WRR 101.1 TX Dallas-Ft Worth 815					
30 MS					
?? KJMS 101.1 TN Memphis, Previous tr 432					
November 1995					
4 GW					
2302 WFRR	93.7 IN Walton, g\$, (//WFRN 104.7 IN Elkhart) testing	58	25 MS		
5 tr					
2259 WMXE	102.5 MI Hudson-Hillsdale-Adrian-Quincy, r\$	127	6 MS		
0600 KZSD 102.5 SD Martin 869					
(WMDH 102.5 IN New Castle, off air)					

Pat Dyer, WA5IYX, 5315 Silvertip Dr., San Antonio, TX 78228-2744  
 Equipmt.: Realistic TM-1001 tuner (two i.f. mod. w/150-kHz filters) into Allied 426, 52-ohm step-attenuator box used to reduce local intermod/overload when needed 6-3 Archer antenna at 20' with rotor. CST used - new underlined - all Es unless noted.

87-26-95: CONT. FROM LAST MONTH			1658 KMJZ 104.1 MN ST. LOUIS PARK (ID)			1125
0919 KBZT	94.9 CA SAN DIEGO (area ad)	1124	1659 WAGE	97.7 WI RICE LAKE (ID)	1179	
0919 KHRM	92.5 BCN TIJUANA (area traffic report)	1111	1705 WCRG	95.7 IL EFFINGHAM (ID)	876	
0920 IETRA-	91.9 BCN TIJUANA ("91-L"; Stern; ID)	1112	1712 KOKZ	105.7 IA WATERLOO (ID)	963	
0930 KJAK	92.7 TX SLATON (tr; area ad)	340	1714 WLOI	97.7 IN RENSSELAER (ID)	1021	
87-31-95:						
1040 XHSRO-	92.5 NL MONTERREY (tr; "Stereo Rey")	282	1728 KLZY	92.5 WY POWELL ("2-92")	1187	
1135 WKKA	92.3 FL ORLANDO ("K-92")	1856	1731 KTA6	97.9 WY CODY (local ad)	1187	
1202 KUNV	91.5 NV LAS VEGAS (local "ad")	1852	1759 XZ10	92.7 CA RIDGECREST (ID; AM 1368)	1185	
1226 KEYV	91.3 NV LAS VEGAS (local ad; "Y-93")	1877	1901 WXR4	94.5 NC EDEM (area ID)	1179	
1231 KILA	90.5 NV LAS VEGAS (area wx)	1852	88-03-95:			
1232 KNMR	95.5 NV HENDERSON (ID)	1852	0925 WATR	92.5 MI ATLANTA (area ID)	1323	
1233 KJUL	104.3 NV NORTH LAS VEGAS (area ad)	1877	0931 WBCN	93.5 MI BOYNE CITY (area ID)	1389	
1238 KLUC	98.5 NV LAS VEGAS (ID)	1852	0933 WCMW	103.9 MI HARBOR SPRINGS (cx)	1329	
1239 KXAZ	93.5 AZ PAGE (area psa's)	895	0938 WGFH	105.1 MI CHEBOYGAN (area ads)	1342	
1240 KSSD	92.5 UT CEDAR CITY (ID)	1818	0940 WKHO	105.9 MI CHARLEVOIX ("106-KH6")	1389	
1250 KMGH	93.9 AZ FLAGSTAFF ("The Mountain Rock")	843	0942 WNIJ	96.9 IL ZION (cx; ID)	1078	
1250 KSNE	106.5 NV LAS VEGAS (local ad)	1852	0944 WMIL	106.1 MI NAUKESHA (area ad)	1118	
1301 WPTT	92.5 OH CINCINNATI (ID)	1839	0946 WJLZ	92.5 MI ASHLEY (ID)	1227	
1302 WFCJ	93.7 OH MIAMISBURG (rel.; ID)	1871	0948 WZTR	95.7 MI MILWAUKEE (ID)	1118	
1304 WDMC	104.3 MI DETROIT (ID)	1242	0959 KQRS	92.5 MN GOLDEN VALLEY (ID)	1108	
1305 WZBO	92.7 IN BERNE (ID)	1805	1001 WRRK	96.9 PA BRADDOCK (ID)	1293	
1306 WMIJ	105.7 OH CLEVELAND (ID)	1253	1005 WRRK	93.5 MI HANCOCK (area ad)	1329	
1307 WQAL	104.1 OH CLEVELAND ("10-104")	1251	1008 WZDD	105.7 MI GRAND RAPIDS ("Easy 105.7")	1165	
1309 WCLR	95.7 OH PIQUA ("Cool 95")	1895	1010 WLHT	95.7 MI GRAND RAPIDS (ID)	1176	
1311 WNCI	97.9 OH COLUMBUS (ID)	1140	1011 WBSV	92.5 MI MARLETTE (area ad)	1265	
1314 WLCB	104.1 IN MUNCIE (ID)	1049	1013 WLAJ	96.9 MI GRAND RAPIDS ("97-LAV")	1182	
1320 WVKX	92.5 OH TOLEDO ("Kiss FM")	1181	1020 WBTB	93.9 MN HIBBING (ID)	1271	
1452 WMTX-	97.7 FL CLEARWATER (tr; rpt; "Mix-96")	972	1025 KDAL-	95.7 MN DULUTH (local ad)	1244	
1500 WYFB	98.5 FL GAINESVILLE (ID)	988	1026 WKLE-	96.5 MN CLOQUET (local ad)	1238	
1502 WPAF	92.5 FL PANAMA CITY (ID)	802	1034 WZZZ	93.5 MI NEW LONDON (area ads)	1176	
1505 WJZD	94.5 MS LONG BEACH ("JZ-94")	570	1035 WEVE-	97.9 MI NEWLETH (ID)	1296	
1515 WJYF	95.3 GA NASHVILLE (ID)	914	1040 WEGZ	105.9 WI WASHBURN (local ad)	1257	
1518 WUSD	97.9 MS WIGGINS ("US-98"; area ad)	573	1047 WVKL	96.5 MN ROCHESTER (ID)	1859	
1522 WMGZ	97.7 GA SPARTA (area ad)	951	1102 WKXL	94.3 IL ELGIN ("The Fox")	1038	
1524 WTCO	97.7 GA VADALIA (local ad; "Power 9")	975	1107 KXWQ	92.5 MN WARRAD (area ads; "KO-92")	1352	
1526 WVDH-	92.5 GA HAZLEHURST (local ad)	964	88-04-95:			
1527 WDSY	103.9 GA HAWKINSVILLE (local ad)	917	1404 KNCR	102.5 MT MILES CITY (ID)	1229	
1529 WTB8	97.7 FL BONIFAY (BB)	779	88-05-95:			
1532 WKZJ	95.7 GA GREENVILLE ("2-96")	848	2018 KAML-	96.9 WY GILLETTE (ID)	1090	
(87-31-95):						
1535 WBYZ	94.5 GA BAXLEY (local ad)	971	2025 KJDK	104.1 SD RAPID CITY (area ad; "Kick")	1037	
1535 WZNY	105.7 GA AUGUSTA (local ad)	1022	2031 KKOT	93.5 NE COLUMBUS ("Coyote 93")	838	
1538 WLMV	92.3 AL MONTGOMERY (ID)	761	2034 KBMJ	95.1 MT HARDIN (area ad)	1236	
1539 WRXZ	106.1 GA SYLVESTER (area ad)	884	2044 KZ06	92.5 CO GREELEY ("2-92.5"; area ad)	815	
1544 WBBZ	106.3 GA FORT VALLEY ("10-106")	896	2048 KRCS	93.1 SD STURGIS (ID)	1061	
1545 WVFJ	93.3 GA MANCHESTER ("Joy-FM")	856	2051 XAAG	105.9 NE ALLIANCE (area ads; "106 Double Q")	890	
1545 WPCH	94.9 GA ATLANTA (ID)	888	2059 KLMP	97.9 SD RAPID CITY (rel.; ID)	1038	
1552 WMLD	104.9 FL HAVANA (area ad)	844	2109 KLZY	92.5 WY POWELL (area ad; "2-92")	1187	
1553 WRJH	97.7 MS BRANDON (area pol. ad)	546	2128 FGAA	94.9 SD ABERDEEN ("Cool 95")	1088	
1554 WMXQ	94.5 AL BIRMINGHAM (local ad)	747	88-08-95:			
1558 WMLZ	104.1 MI MERRILL (area ID; "2-104")	1182	1528 WU06	98.5 GA ATHENS (6A; phone pfx)	945	
1610 WHTD	93.7 WI THREE LAKES (k; "HTD")	1235	1529 WMHK	89.7 SC COLUMBIA (ID)	1074	
1620 KHXK	94.9 MN COLD SPRING (area ad)	1182	1536 WXR4	94.5 NC EDEN (area ID)	1179	
1621 YTM4	92.7 IA DITTUNNA (local ad)	868	1537 WTDK	96.9 NC STATESVILLE (ID)	1061	
1632 WNUJ	92.3 WI CLINTONVILLE (area ad)	1173	1538 WKRR	92.3 NC ASHEBORO ("Rock 92")	1172	
1634 W027	93.5 MI NEW LONDON (ID)	1176	1543 WPMX	105.7 NC STATESVILLE (area ad)	1126	
1637 WNIJ	96.9 IL ZION (ID; cx)	1078	1545 WFGD	93.3 NC FOREST CITY (local ad)	1032	
1640 WJZQ-	92.5 MI TONAWAWK (local ad)	1206	1551 WPGA	98.9 SC SPARTANBURG (area traffic rpt)	1027	
1642 WRLS	92.3 MI HAYWARD (ID)	1204	(88-08-95):			
1643 WTRT	95.7 MI MILWAUKEE (area ad)	1110	1552 W0J3	104.1 GA CLAYTON (ID)	962	
1646 KWDC-	95.7 IA WEBSTER CITY (ID)	935	1557 WESC-	92.5 SC GREENVILLE (ID)	1000	
1652 KWWY	95.5 MN ROCHESTER (local ad)	1058	1559 WBCU-	93.7 SC GREENVILLE (area ads)	1009	
1652 KJ3Y	92.5 IA ANKENY (ID)	884	1600 WMIU	94.5 SC GREENVILLE (ID)	1016	
1600 WPEG 97.9 NC CONCORD ("Power 98") 1122						

CONT...



# SOUTHERN FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

MARCH 1996

DEADLINE: 14th

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

## DYER CONTINUES UPDATING WHILE SMITH CONTINUES WITH HIS COMMENTS.

Dennis Park Smith comments, cont...

"Then, there is the controversy about religious broadcasting, which you and some DXers have shared opinions. Just so you know where I come from, I consider myself a 'religious' person, though not in the 'holy roller' category. I do like to play in a church orchestra but do not try to go to church every week. I wonder, for example, if, on TV, TEN might be better off with fewer relatively higher-power LPTVs and not so many lower power ones that clutter up the band, and therefore fewer xmtrs to maintain. I guess genuine high-power outlets are limited by allocations. As to different opinionated speakers stating their views, especially politics as based on their religious perspectives and not seeming to talk much about religion, it may well be that most opinions and news versions--including nonreligious programs--are based on one's religious convictions, whatever they are, whether on apparently oddball programs or publications or in the mass media. Of course, slander and evil threats are to be avoided. But otherwise, the bottom line is that one can be allowed to state one's thoughts, and this is great, when we have freedom and opportunity to hear many different sides on a subject. Sometimes, a thought viewed as crackpot may in future years turn out to be quite sensible. I may not always agree with some opinions stated in Southern FM DX, but I do like to read different feelings about DXing, broadcasting trends, and whatever is brought up, whether directly about DX things or just slightly related. It is all of interest, and different ideas expressed in Southern FM DX make it all the more interesting to read. Back in the 60s and into the 70s, when I edited Western TV DX I was once accused through a letter to headquarters of including too much "non-DX." When I countered with a comment in the column that everything I typed was at least somewhat related and definitely of interest, I was supported by those who reported to Western TV-DX. And, in a poll taken of WIFDA members by headquarters, DXers tended to favor whichever regional DX column where they lived, anyway. Beyond that, the poll did indicate other good columns and special articles that were particularly well liked. So, keep up all of the good work."

Thanks for your comments, Dennis. Speaking of slander, I think it's awful how minister John Hagee slanders America on a near daily basis on TBN, by making such statements as "Today's America is Sodom and Gomorrah reborned", and "I used to say America was going to the dogs but I had to stop out of respect to the dogs." I think such statements would be highly offensive to most good, hard-working people that are surely in the majority of America. And if ran TBN I would be highly embarrassed about having Jerry Falwell listed on the schedule. Well, I had best change the subject now or lest be accused of judging the religious right, if it's not too late.

ON THE RECENTLY PASSED TELCOMM BILL: "There are virtually no "public airwaves" and the new communications bill...will seek to eliminate by money, power and control, local programming and allow the vertical and horizontal joint ventures and conglomerates to rule all airwaves, programming, production and distribution of information... This is censorship by controlling all the avenues from creation to distribution." Chris Lunn, Victory Review, October 1995. This brings to mind more operations becoming set up like WAFR's growing national translator network, now at station 113. The FCC recently granted WAFR construction rights over a public radio interest to put in a high powered station in southern MS. WAFR once had some resistance from the FCC over its ambitious plans for a translator network until the station got one of its U.S. senators to step in for it. Turning back to the telcomm bill recently passed, it contains a provision allowing one party to, if in the top 50 market, the right to own up to 49 percent of the radio stations in a single market. So in the future urban FM station owners will be more often competing with themselves rather than with each other. Such a situation appears to abolish the part of the Communications Act of 1934 guaranteeing American to be sole owner of the airwaves and mandating that those airwaves always be operated in the public interest. Now, in my opinion, in this day and age "big corporate interest" has replaced the public interest. Presently, two stations can be owned in the same urban market. For examples of what happens, the dual ownership of high powered FM stations in Oklahoma City and Tulsa means four country music stations. I like country music, but there is such a thing as more than enough on the radio now that such stars as Garth Brooks, Clint Black and Alan Jackson have passed their primes, if not about. But the whole state of radio is in a state of affairs. Issues are never debated like they are on CNN's crossfire. Instead, there is only one side of an issue discussed, usually conservative. As we quickly approach the year 2000, it will be interesting to see if the American people going to accept this situation laying down like everything is beautifully just. *WB*

NORTHERN FM DX

Ralph Strobel cont'd:

DECEMBER 1995

## METEOR SCATTER LOGGINGS:

06/17 WHYI "...Toyota...headquarters... than anyone in South Florida..."

07/04 WQCS "...high temperature will be around 90 degrees. This is Classic-89 WQCS..."

08/07 KCCY "...KCCY 96.9..."

08/11 KTSD "...South Dakota Public Radio ...unique programing from across South Dakota..."

09/30 unID "...Western Ontario on low powered AM transmitters..."

10/02 WRR "...WRR Dallas-Fort Worth. It's eight o'clock..."

10/04 WVRV "...RV - FM-101.1..."

10/09 KOVC? "...right over the phone. We're a division of Stutsman County State Bank, Jamestown, North Dakota..."

10/09 WRR "...RR..."

10/21 WNOE "...mild outlook for tomorrow, the 70's for the high. 6:06 - mostly cloudy and 70. I'm Ray Romero and you're listening to crazy Eddie Edwards and the breakfast plate on your station for today's hot new country, 101.1 WNOE..."

10/22 KLOL "...101-KLOL..."

KLIR "...KLIR...Clear-101... You can call...This is KLIR..."

10/24 WRR "...R Dallas..."

10/30 KJMS "...101-Jams..."

11/06 KZSD "...Vermillion. Public Radio in Southwestern South Dakota. This is KZ..."

(KZSD is my 185th MS logging)

An article in the Muncie Star in late August stated that WTUR 89.7 in Upland, IN at Taylor University would be signing on the air September 4, Labor Day, with 150 watts. I taped their first s/on and off and 150 watts was given, not 50 watts as stated in the VUD and FMedia! The signal of WTUR is fairly good here at 20 miles on a car radio.

An article from the Ball State University Relations states as follows:

WBST-FM, Ball State University's public radio station, will add three repeater stations to extend its broadcast range throughout east central Indiana.

A \$258,630 grant from the United States Department of Commerce allows the station to add broadcast stations in Jay, Henry and Grant counties. Plans call for the stations to be operational by February 1997.

Over the next 18 months, WBST will be procuring equipment and constructing three transmitter sites at locations separated by almost 100 miles, said Stewart Vanderwilt, WBST general manager. This is the most significant undertaking by WBST since 1978 when the station went from a 10-watt occasional service to a professionally staffed, 3,000-watt National Public Radio member station.

The listening area will extend WBST's signal from Wabash to Richmond. Most of Blackford, Grant, Henry, Jay, Randolph and Wayne counties will receive the expanded signal.

No call letters have been assigned to the new stations. In Marion, the broadcast frequency will be 90.9; in New Castle, 91.1; and in Portland, 91.7.

Capital campaign drives are being launched in each of the new service areas to help raise \$75,000 of local matching funds required to receive the grant from the federal government, Vanderwilt said.

We plan to play a role in each of the communities where we will be adding new stations, he said. We plan to hire part-time reporters to help us with news coverage in those areas as well as maintaining our current coverage.

Vanderwilt said additional repeater stations are being considered to further expand the station's coverage. WBST is also developing programming and operational partnerships with other public broadcasting stations.



## SOUTHERN FM DX

08-18-95:					
1241 WPMW	92.7	WV	MULLENS (area ad)	1134	
08-19-95:					
1859 KODM	97.9	TX	ODESSA (tr;ID)	267	
10-06-95:					
1845 TG--	92.3	Gu	GUATEMALA CITY ("R.Universidad")	1128	
1900 K2ABCE	88.7	AZ	CLIFTON (#WSJ ID)	675	
10-25-95:					
0917 KMKK	93.9	SD	RAPID CITY (ID)	1038	
0923 KCMH	92.5	MT	MILES CITY (ID)	1229	
0943 KRDE-	94.9	WY	SHERIDAN (ID)	1151	
0949 KUNC	91.5	CO	GREELEY (ID)	847	
0950 KTRS	95.5	WY	CASPER (ID)	1011	
0951 KMGW	94.5	WY	CASPER (local ad; "Magic 94")	1011	
0955 KLZY	92.5	WY	POWELL (area ad)	1187	
0958 KH1H	95.7	CO	DENVER (state ID)	802	
1021 KZHT	94.9	UT	PROVO ("Hot 94.9")	1059	
1024 KUBL	93.3	UT	SALT LAKE CITY (area ad)	1087	
1143 KSSD	92.5	UT	CEDAR CITY (ID)	1018	
1204 K2EZ	93.5	UT	ST. GEORGE ("Sunny 93.5")	1010	
1207 KXAZ	93.5	AZ	PAGE (local ad; "Crystal Radio")	895	
11-27-95:					
0800 KR1U-s	92.7	TX	SAN ANTONIO (tr;spurgone later)	7	
12-16-95:					
1619 KMKX	94.9	MM	COLD SPRING (area ad)	1102	
1615 KUDD	103.9	IA	SPIRIT LAKE (ID)	981	
1616 KM1T	105.9	SD	MITCHELL (ID)	982	
1618 KSTP-	94.5	MM	ST. PAUL (state ID)	1116	
1619 KMFY	96.9	MM	GRAND RAPIDS (local ad)	1250	
1625 K0AR	94.9	SD	ABERDEEN (local ad)	1000	
1627 K0RN-	107.3	SD	MITCHELL (local ad)	983	
1629 KYNU	95.5	ND	JAMESTOWN (area ad)	1200	
1634 KDLD-	96.9	SD	WATERLOO (local ad)	1071	
1636 K0DY	94.5	ND	BISMARCK (k; "KQ-94"; area ad)	1211	
1640 K2KX	105.1	SD	HURON ("Z-105"; local ad)	1020	
1657 K0LX-	106.1	ND	LISBON (local ad)	1172	
1659 KFNW-	97.9	ND	FARGO (rel; ID)	1199	
1007 KRNE-	91.5	NE	HERRIMAN (ID)	928	
12-22-95:					
1850 XHRK	95.7	NL	MONTERREY (tr; ID)	281	
12-25-95:					
1843 HR--	97.7	Hon	TEGUCIGALPA (town mention)	1250	
1200 MNHW	92.5	NC	NASS HEAD (ID)	1402	
1204 WHLZ	92.5	SC	MANNING ("Wheels")	1128	
1213 WKBL-	93.5	TN	COVINGTON (ID)	670	
1221 WKGL	96.9	FL	JACKSONVILLE ("Cool FM")	1019	
1223 WPAW	92.5	FL	PANAMA CITY (ID)	802	
1236 WBNV	93.5	OH	BARNESVILLE (ID)	1217	
1244 WWSW	94.5	PA	PITTSBURGH ("JW-5")	1292	
1245 WRRY	96.9	PA	BRADDOCK (ID)	1293	
1248 WMO	105.9	PA	PITTSBURGH (area ad)	1294	
1251 WNKK	92.3	FL	ORLANDO (local ad; "K-92")	1056	
1258 W1NK-	96.9	FL	FORT MYERS (ID)	1039	
1301 WMO	98.9	FL	ORLANDO (ID)	1040	
1332 WRVO	94.5	VA	RICHMOND ("90-94")	1316	
1333 WFLO	95.7	VA	FARMVILLE (ID)	1200	
1528 XHH-	98.7	SON	HERNANDILLO (town ID)	735	
1621 XHRM	92.5	BCN	TIJUANA ("The Flash")	1111	
1714 XUNV	91.5	NV	LAS VEGAS (local ad)	1052	
1717 KSSD	92.5	UT	CEDAR CITY (local ad)	1018	
12-26-95:					
1105 WPP1	92.5	OH	CINCINNATI (local ad)	1039	
1117 WYDD	96.5	OH	AKRON (ID)	1252	
40 10K1-	93.9	SC	ST. MATTHEWS ("Quikie")	1063	

## Dyer, cont.

1138 KJYE	92.3	CO	GRAND JUNCTION (area ads)	873	
1136 K01X	93.1	CO	GRAND JUNCTION (local ad)	874	
1139 K1S2	97.9	CO	CORTEZ (area ad)	773	
1142 K102	92.7	WY	RAWLINS (local ad)	976	
1144 KRRI	93.7	CO	CRAIG (ID)	919	
1148 KKMG	98.9	CO	PUEBLO (area ad)	706	
1149 KKXL-	105.1	CO	DENVER ("Cool 105.1")	704	
1151 K2KX	105.3	CO	RIFLE ("Kiss Country")	876	
1156 KQSW	96.5	WY	ROCK SPRINGS ("90-96"; k)	1014	
1159 FEKB	99.1	CO	FRUITA (ID)	878	
1202 KURA	105.7	CO	DURAY (ID)	706	
1203 KUDT	99.5	UT	BOUNTIFUL ("90-99"; area ads)	1003	
1216 KUMT	105.7	UT	CENTERTVILLE (ID)	1007	
1218 KDAE	96.9	NM	FARMINGTON ("Big Dog")	745	
1222 KWXIA	99.7	CO	DURANGO (local ad)	759	
1225 KLSK	104.1	NM	SANTA FE (ID)	634	
1227 KUBL	93.3	UT	SALT LAKE CITY ("K-Bull")	1007	
1242 KPCL	95.7	NM	FARMINGTON (area towns)	747	
1246 KSOP-	104.3	UT	SALT LAKE CITY (ID)	1007	
1249 KBXK	106.3	UT	SPANISH FORK ("Pure Country")	1059	
1249 KWKX-	94.9	NM	AZTEC (area ad)	747	
1250 KYAZ	93.5	AZ	PAGE (local psa)	895	
1254 KRSP	103.5	UT	SALT LAKE CITY ("Arrow")	1007	
1257 KZHT	94.9	UT	PROVO ("Hot 94.9")	1059	
1259 KZRO	105.1	NM	SANTA FE ("I-Rock"; state ID)	634	
1301 KXUW	105.1	UT	WANT! (state wx; ID)	1011	
1306 KYKN	103.9	UT	MEPHI (ID)	1030	
1312 KBZN	97.9	UT	OGDEN ("The Breeze")	1133	
1321 KTRA	102.1	NM	FARMINGTON (ID)	738	
1322 KRCC	105.9	AZ	KINGMAN ("Crazy")	996	
1358 KKMZ	93.7	UT	RICHFIELD (area ad)	1000	
1434 KKMV	92.5	ID	RUPERT ("Cat Country")	1235	
1941 K2KX	93.5	CA	ROSMOND (area ad)	1199	
1944 KX00-	105.1	CA	LOS ANGELES (cx)	1106	
1945 K2AX	97.9	CA	LONG BEACH (Sp; town ID)	1106	
1949 KCLB-	93.7	CA	COACHELLA (area ads)	1077	
1952 KLOS	95.5	CA	LOS ANGELES (local ad)	1106	
1955 XCHT	96.9	AZ	PHOENIX ("K-Hits")	836	
1955 XHRM	92.5	BCN	TIJUANA (area ad)	1111	
1956 KUPR	95.7	CA	CARLSBAD (ID)	1126	
1958 XHBA	104.1	BCN	MEXICALI ("R.Universidad")	1019	
2002 I---	105.9	BCN	MEXICALI (town ID)	1021	
2001 XH1Z	90.3	BCN	TIJUANA (area ad)	1112	
2014 KXYX	96.5	CA	SAN DIEGO ("Kixy"; t/c rpt)	1124	
2017 KBZT	94.9	CA	SAN DIEGO ("K-Best"; t/c rpt)	1124	
2021 XETRA-	91.1	BCN	TIJUANA (area ads)	1112	
2023 K1FM	98.1	CA	SAN DIEGO (area ad)	1124	
2027 KWKY-	98.5	CA	CATHEDRAL CITY (area ad)	1009	
2028 KFMB-	100.7	CA	SAN DIEGO (t/c rpt)	1124	
2028 KGB	101.5	CA	SAN DIEGO (area code)	1114	
2042 KFOX	93.5	CA	REDONDO BEACH (korean)	1197	
2149 KWNH	95.5	NV	HENDERSON (local ad)	1052	
12-27-95:					
1023 W0W	92.5	FL	KEY WEST ("Wow")	1099	
1028 KXHC	95.9	TX	BOLIVIA (tr; ID)	94	
1028 WKRY	93.5	FL	KEY WEST ("Key 93")	1007	
1037 W2LR	92.7	FL	STUART ("ZZR")	1120	
1051 WARD	94.5	FL	NAPLES ("Arrow 94.5")	1051	
1053 WMOG-	93.5	FL	NAPLES (ID)	1054	
1057 WJBT	92.7	FL	GREEN COVE SPRINGS (ID)	1015	
1100 WKDL	96.9	FL	JACKSONVILLE ("Cool FM")	1019	
1104 WR00	107.3	FL	JACKSONVILLE ("Rooster Country")	1019	
1108 WPAW	92.5	FL	PANAMA CITY (local ad)	802	
1110 WMT0	93.5	FL	PORT ST. JOE ("Bubba Radio")	799	
1123 WMTX	95.7	FL	CLEARWATER ("Mix 96"; area ad)	972	
1124 WNKK	92.3	FL	ORLANDO (k; k-92; wx)	1056	
1129 WFLZ	93.3	FL	TAMPA ("FLZ")	994	
1133 WYKB	103.9	FL	CAPE CORAL (sw FL ID)	1037	
1135 WYUW	92.5	FL	SAFETY HARBOR ("U-92"; area ads)	961	
1137 KSTP-	94.5	NM	ST. PAUL (town ID)	1116	

## MARCH 1996

## SOUTHERN FM DX

12/27 Es					
1137 WCFB	94.5	FL	DAYTONA BEACH ("Star 94.5")	1032	
1142 WITB	97.9	FL	CLEARWATER ("98-Rock")	968	
1144 WWRM	94.9	FL	TAMPA ("Ware")	996	
1145 WDOF	107.3	FL	ST. PETERSBURG ("Coast 107.3")	973	
1148 WUSA-	100.7	FL	TAMPA (area ad)	968	
1151 WDLZ	95.3	FL	FORT MYERS (sw FL ID)	1021	
1154 KSCR-	93.5	NM	BENTON (town ID)	1106	
1156 WEEJ	100.1	FL	PORT CHARLOTTE ("gold")	1014	
1201 WDOU	98.3	FL	BRADENTON (ID)	979	
1315 KBZN	97.9	UT	OGDEN ("The Breeze")	1133	
1317 KUBL	93.3	UT	SALT LAKE CITY ("K-Bull")	1007	
1320 KRMV	92.5	ID	RUPERT ("The Cat")	1235	
1324 KZHT	94.9	UT	PROVO ("Hot 94.9")	1059	
1332 XCIH	98.7	ID	TWIN FALLS (ID)	1218	
1337 KJYE	92.3	CO	GRAND JUNCTION ("K-Joy")	873	
1933 KODM	97.9	TX	ODESSA (tr; ID)	267	
2004 WJ3J	92.5	WI	TOMAHAWK (ID)	1206	
2015 W2TR	95.7	WI	MILWAUKEE (ID)	1110	
12-27-95:					
2016 WXTI	94.5	WI	MILWAUKEE (ID)	1110	
2022 W0W1	92.5	WI	WEST BEND (local ad)	1118	
2036 WZEE	104.1	WI	MADISON (local ad)	1064	
2036 WAPL	105.7	WI	APPLETON (ID)	1100	
2039 WXLX	96.9	IL	MOLINE (local ad)	939	
2041 WKHL	96.5	WI	MILWAUKEE (ID)	1110	
2042 WYTE	96.7	WI	WHITING ("White 96")	1149	

## Dyer, cont.

2042 WPIX	98.9	IL	ROCK ISLAND (area ad)	939	
2047 W1FC	95.5	WI	WAUSAU (ID)	1171	
2048 WSLR-	97.7	WI	LAMCASTER (ID)	1021	
2050 WHT-	96.5	IA	CEDAR RAPIDS (phone pfx)	949	
2100 WOLY	94.9	WI	BARABOO (ID)	1062	
2101 WOLZ	93.5	WI	NEW LONDON (ID)	1176	
2102 KCCR	97.7	IA	GRUNDY CENTER (ID)	944	
2100 WUSW	96.9	WI	OSHKOSH ("US-96")	1150	
2122 KMKX	96.5	MM	ROCHESTER (local ad)	1058	
2127 KMYD	106.3	IA	ANKNEY (ID)	888	
2128 KMJZ	104.1	MM	ST. LOUIS PARK (ID)	1125	
2132 KLSS	106.1	IA	MASON CITY (local ad)	991	
2135 KMXX	94.9	MM	COLD SPRINGS (area ad)	1102	
2136 KXLP	93.1	MM	NEW ULM ("KXL")	1040	
2140 W0PM	106.1	MM	PRINCETON ("0-106"; area ad)	1130	
2145 KXOK	95.7	MM	MORRIS (local ad)	1123	
12-28-95:					
1123 XHZM	92.5	PU	PUEBLA (town ID)	715	
1130 I2LC	108.x	MC	TOLUCA (ILS, Morse ID)	700	
1140 XHMS	96.9	GR	ACAPULCO (town ID)	870	
1146 XHRJ	92.5	MC	TOLUCA (town ID)	700	
1227 XERC-	97.7	DF	MEXICO CITY (ID)	690	
1246 XE0Y	89.7	DF	MEXICO CITY (town ID)	690	
1305 XETRA-	91.1	BCN	TIJUANA ("91-1")	1112	
1305 KBZT	94.9	CA	SAN DIEGO ("K-Best")	1124	
1310 KUPR	95.7	CA	CARLSBAD (ID)	1126	
1311 XH1Z	90.3	BCN	TIJUANA (area ad)	1112	
1319 XHRM	92.5	BCN	TIJUANA (area ad)	1111	

This was one of those years that July provided more FM Es than June. The big days were Jul 1 and 19 - each with well over 100 loggings. This does NOT reflect the re-logs of same stations that were common sometimes 6, 8, or even 10 hours apart during the same calendar day.

A huge amount of Es here Dec 25-28. The 99.5 logging on Dec 26 was due to the local being off for almost an hour - my first catch on that freq since May 1975! Local 105.3 was off for a shorter period, permitting the Es ID on that spot.

Lots of Mexico uniDs on Dec 28 - we all need better info on non-border area stations. I haven't been able to find an exact freq for the ILS that day.

# NEXT MONTH:

## IT'S SPRING! STOP SHOVELING THE ROOF AND FIX THAT ANTENNA.

### QSL'S! VERIFY YOUR DX CATCHES.

