

WORLDWIDE TV-FM DX ASSOCIATION

Serving the VHF-UHF 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 BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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FROM THE STAFF:

BOISE: More news! We'll be at the Super 8 near the airport, and our host, Frank Aden, has negotiated a terrific deal. WTFDA members will enjoy a \$55 plus tax rate (total per day is \$62.10) for our 2001 convention July 27-29. More information regarding booking will be available in this column next month. While we are not endorsing any particular means of transportation to Boise, it should be noted that the city is on the Southwest Airlines system; and that means that if you're interested in flying and are alert to that carrier's frequent 'specials', you stand a very good chance of getting a round trip ticket from just about any of their other U.S. destinations for around \$200.00; and in some cases considerably less. Also coming up soon, more info about the registration process and cost; and the banquet. The dates are LOCKED IN...and we hope you'll lock in on them and join us in Idaho.



SUPER 8 LODGE — BOISE

2773 Elder Street • Boise, ID 83705 • PHONE: 208-344-8871

*Don't miss the TV-FM DXer's event of the year
July 27-29.*

MEMBERSHIP ROSTER: After several years of talking about it, and increasing demand to produce it, the deed has finally been accomplished...and you'll find an up-to-date list of members in the 'centerfold' section of this issue. Listings are alphabetically arranged by state/province (two letter abbreviations) and countries other than the U.S. and Canada (three letter codes.) The data has been carefully inspected and proofread, and hopefully is error free. In the event you find mistakes or wish to have your listing modified, please contact Tom Bryant. Now that we have the mechanics for this feature in place, we'll update it about once a year as space allows.



WTFDA MAILBOX

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Somerville, CT 06072

Mike Bugaj

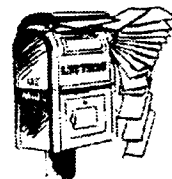
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JANUARY 2001

Welcome to the VHF-UHF Digest for January. Hope you had a good holiday season and got that little "toy" you always wanted, like that antenna your wife bought you, or that rotor you got from your kids (am I dreaming, or what).

Let's welcome **Scott Altice** into the club. Scott lives in Asheville, N.C. and is an old Dxing veteran. And let's welcome back **Don Niles** of Clarksburg, W.V. Don was away for a few months, but missed us and came back.

Staying with us for another year are **Randall Trapp**(MN), **Matt Sittel**(NE), little **Lenny Goldberg**(OR), 'ole DX buddy **Bill Nollman**(CT), **John Adams**(OR), **Marvin Shults**(IL), **George Rogers**(GA), **Eric Bueneman**(MO), **John Callarman**(TX), **Joe Gragg**(TX), **Robert Delaney**(IL), **Ed Norris**(IN), **Ed Hanlon**(CT), **Dave Pomeroy**(KS), **Ted Liszweski**(NJ), **Rick Shaftan**(NJ) and I'm especially glad to see **Bob Seybold**(NY) back for another year. Better late than never! Thank you all for your checks which I will be cashing and using on my next vacation to Aruba (just kidding!).



Scott Altice writes "Glad to be in the club. Been a DX nut since I was a kid...I live in the mountains of western N.C. so have good to excellent RX most of the time...Glad to see I'm not the only one afflicted with this DX affliction! (Nope, consider this group therapy. Scott found us through our website).

Thanks go to **David Sinclair**(BC) for sending the picture for the December VUD cover. This came in the mail months ago and it looked great. Thanks Dave.

John Vervoort asked if we could publish a list of current club members. If things go as planned you should be finding one in this VUD. John was also looking for a list of NOAA weatheradio stations and I referred him to **Matt Sittel's** comprehensive list at

Matt's website and I mailed him a copy.

Rich Wertman is still running a sale on antennas and preamps, etc. Please see his ad in the December VUD. I will make one change to Rich's ad. It's now a *Winter* sale instead of a *Fall* sale. If you need something, see Rich.

Last month you saw here a little blurb about the Conrad RDS Manager. Well, as luck would have it, right after I mailed out my column I found that you cannot get these things anymore. The RDS Manager is out of production and new units are not available. **John Faulkner** of the British TV-FM DX Circle has found an internet site with instructions on making your own. Perhaps some industrious soul eager to make a little money will try building a few for us. Hint.

Our chat buddy **Ryan Grabow** is going to school at C.W. Post College on Long Island, where he pulled some strings and got a job at WCWP-88.3 at the college. His first stint on a Thursday evening got him 12 minutes of air time. Not much, but it is a start. Keep on truckin', Ryan!

CLUB STATS

Club membership as of the middle of December stands at about 275 people. The WTFDA reflector is doing well, up to around 120 subscribers. The reflector and the various member websites are great for attracting people into the club who were into the hobby years ago and lost touch with it. And of course **Tim McVey** is doing a great job with the WTFDA site at www.anarc.org. If you don't have a computer, find a friend or a relative with one and take a look. You will like what you see.

Club Activities

Chat on Delphi every Tuesday and Friday night at 10pm ET. [Http://www.delphi.com/WTFDA](http://www.delphi.com/WTFDA).

Subscribe to the WTFDA reflector at Topica. To subscribe send a blank email to:

WTFDA-subscribe@topica.com

HOW I BEGAN DXING

This time Ryan Grabow raises his hand and pleads "Pick me, pick ME". OK, it's your turn:

"When my family moved back to Long Island from Florida in 1991, I was only 9 and didn't notice the major switch in TV market areas. Upon subsequent visits to my family down south, I wanted to bring home the local Florida TV Guide. I don't know where my sudden interest in TV Guides came from, I just liked comparing their NBC affiliate to my own (WNBC). It wasn't long before I had memorized the channels in the New York Metro edition (now discontinued). Back then we didn't have cable, just the antenna that came with the house. Late one afternoon (winter of 1993?) I was watching TV when I realized that there were local stations I had never watched; I decided to check out the IDs of WNYE-25 and WNYC-31 (now WXPX) at the next commercial break -- my life of channel-surfing rebellion had begun.

Now checking out all the channels, I discovered that WNJN-50 would sometimes come in, and other times not. I found this to happen on many channels listed in my TV Guide, but that didn't come in regularly. I had discovered tropo, my first out-of-market discoveries were Philadelphia and Scranton.

One day I was getting a PBS station on channel 15 that I couldn't ID, this is the first time I recall going crazy about an unID; another opening developed and I IDed it as WHRO - Hampton Roads; I didn't know I could get signals as far as Virginia, so I thought it was from the Long Island Hamptons. Once I discovered it was Virginia, other openings developed and I DXed many other stations from Maryland and Virginia; it was at this time my dad suggested that the stations were actually low-power stations from NYC, I didn't believe him. My first loggings were from the summer of 1995, when I was still discovering Virginia.

If I was shocked when I discovered 300+ mile tropo, imagine my surprise when I discovered E-skip! I was watching something on channel 2 one night, another station was ghosting in the background; I hoped it would show its logo or something; well, I didn't end up frantically running to get my station listings just for the exercise. I had IDed WESH, and after looking up all the usual suspects (the northeastern states) I finally looked up Orlando, FL. After the doctors revived me, I

had my first all-time distance record. KMTV and WLBT soon became common E-skip catches. I called DXing, "improved reception" (or "IR") and was becoming more interested in it each summer.

For my 14th birthday, I asked for a new antenna that would be larger than the current one. I received the RS VU-110XR, and with my birthday money I bought a rotator. After my 15th birthday I was liberated from my parent's TVs (which I weren't allowed to "damage" by watching weak signals) and got my own; this was followed by my own VCR the following Christmas. After I recognized DXing as a hobby, I knew there had to be others out there who did this. It wasn't until early 1999 that I went online in search of other DXers (it was then that I learned it was called "DXing"), and quickly found the WTFDA. I joined as soon as I got my sample issue. Shortly after I began keeping continuous logs and totals. Now I stand (or sit) here a better DXer who has also gotten hooked on other radio hobbies all due to that TV Guide I so longed for. 73s Ryan

THIS RX WON'T OVERLOAD

From **Bill Nollman**: "The BEST local rejecting tuner I have ever seen (is the Yamaha T-85). I use it only 3 miles line of sight from 2 of Hartford's 50kw'ers (you can see the tower lights from here). I can point right at WCCC and WTIC and hear almost no effect on the FM band. I've tried the Carver TX11, Onkyo T9090, Yamaha TX900, Denon TU800, and a MR78 here, and except for the MR78 being very close, none of them could handle the Probe 9 facing straight at the xmtrs. The only negative of this tuner is the "signal quality" signal meter. In a word, one of the dumbest designed features next to mono muting in a car stereo or the "blue screen" muting in a VCR. The tuner does need to have it's IF filters modified, but with that and the .01 MHz tuning steps, this tuner is (in my opinion) the best tuner for the crowded FM bands in close proximity to 50 or 100Kw locals".

LAST BUT NOT... WHAT?

Well, 2001 looks like another good year for the WTFDA and the reason is **YOU**. Thanks for all the support you have given me, and if I can return the favor just ask. Keep in touch. How did you start in this hobby? Write! -Mike

EXTREME E-SKIP and tropo!

Recent conversations from the WTFDA Reflector

Twice, I've seen ES last through an ENTIRE night. Both times the path was from here in ON to TX..and both times it was a weak Ch 2 Houston & 2 Denton in and out most of the night..with peak overnight MUF at 6. There were times when the MUF dipped below 2 for perhaps 20 minute intervals..but basically isn't it still an ES opening in progress even if the MUF dips to 40 MHz for a while. (?) In both events, signals picked back up in strength around 8 AM.

Now..that may not have been 2 days straight (48 hours)..but I can imagine that happening since countless times there has been all-day ES. 1978 had some really long-lasting blockbuster openings..but being 15 years old at the time, I had to go to bed with openings still in progress..and openings going on upon waking up (**Bill Hepburn, ON**)

Yes, ducting of continuous 40+ hours is possible, I would mention only the Thanksgiving weekend of 95. I first noted it Saturday Nov. 25 at 6 PM with east coast of Florida. Last signal Monday 27 at 8 AM, leaving to work (38 hours), it for sure lasted a couple of hours more as 1,000+ signals were still good color enough. Sometimes the difference of height in terrain is a huge difference for tropo. I had many strong tropo openings to areas of other DXers and sometimes they didn't notice the DX Also I remember reading some tropo reception of Mexico City (surrounded by mountains) FM's from Florida on a back VUD (**Fernando Garcia, NL**)

Back on Thanksgiving of 1986 I recorded the best tropo opening ever. if I remember correctly the opening lasted approximately 2 days with the best being about 3 am of the day after Thanksgiving. During this opening I logged numerous openings to Oklahoma on UHF. I still have much of this on old beta tapes. I fondly remember a qsl card from KMGC ? 34 from OK. City. Yes a person can watch tropo or hear them if the right duct is open. Oklahoma from here is 1300+miles. Just my 2 cents worth. (**Rich Wertman, NY**)

Why not 40-hour tropo? Bakersfield, CA, is not known for its ducting. Yet, sometimes it happens. And the most likely for the area from Bakersfield to Sacramento and a bit beyond is in the winter, when an inversion layer sets up, and there is heavy night and morning fog over a 300-mile stretch, with only partial clearing in the afternoon. When this happens, the fog is zero-visibility from 6 PM to 11 AM daily.

Get this high-pressure dome to blanket the region for long enough, and trop gets better day by day. Minor-league stuff for those of you out East, but trop nonetheless. In 1971, this stagnant weather situation lasted around two weeks. By around the tenth or eleventh day, conditions on FM were getting quite intriguing, and, with varying degrees of intensity, Sacramento was received on FM from Bakersfield for three days. Always there, but peaking between 4 PM and midnight or so. Granted, not as earth-shaking as CO to NC for distance, (this was around 300 miles), but it did last for 3 days, in February of 1971. I made tapes, but have since lost track of them. (**Rick Lewis, AZ**)

Well folks, I have been TV DXing since the mid 50's and I DO remember E's going around the clock, 24 straight hours. And then on and on. By 0300 north Texas time the signals were weak, BUT, KNXT-2 in Los Angeles was still there. This was in summer of 1957. KEY-T-3 Santa Barbara would fade in and out, after KRLD-4 in Dallas would sign off. (Remember when stations signed off the air at midnight.) I remember that the sun spot count was the highest ever recorded up to that time.

Trop's was GREAT!! Channels 7 to 13 (My tropo were poor as we only had a VHF TV) was alive all through the day around the clock. The Houston stations were in daily, especially in the morning. We watched channels 11 and 13 from Houston EVERY morning as well as 12 from Shreveport. The signals were always like locals. (**Willis Monk, TN**)

Great discussion on the WTFDA list every day!
To subscribe send a blank email to WTFDA-subscribe@topica.com

TRUE STORIES OF
AMAZING DX
by
REAL DXERS!

WTFDA SPECIAL REPORT

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2000 FM E-Skip Summary

"Excellent July / Early August, Mediocre Overall"

THE TOP 10 SKIP DAYS OF 2000:

DATE	TOT	#REP	AVG	MUF	HIGH	TV RANK
JULY 5	409	14	29.21	111.4	88	1
AUGUST 4	219	13	16.84	107.9	54	2
JULY 21	172	9	19.11	107.9	53	4
JULY 6	124	8	15.50	111.5	89	-
JULY 10	120	8	15.00	111.6	31	5
JUNE 11	120	5	24.00	112.1	64	-
JUNE 24	119	7	17.00	110.2	59	-
JUNE 7	111	9	12.33	106.5	26	-
JULY 16	111	7	15.86	110.6	67	-
JULY 3	110	9	12.22	107.9	48	-

KEY:
TOT: total no. of FM loggings
#REP: number of DXers reporting skip
AVG: average number of loggings per DXer (tot / rep)
MUF: maximum useable freq.
HIGH: the most loggings reported by one DXer for that day

KEY:
TOT: total no. of FM loggings for month
#DAYS: no. days with FM Es that month
AVG: average number of loggings per DXer (tot / days)
AVG MUF: average MUF for month
RANK: This month/year's ranking compared to the past 19 seasons.
PCT: This year's # of loggings compared to the average for that month over 1981-2000

SKIP RESULTS BY MONTH:

MONTH	TOT	#DAYS	AVG	AVG MUF	RANK	PCT
JANUARY	22	5	4.40	93.92	-	-
FEBRUARY	8	1	8.00	107.90	2 nd	516.1%
APRIL	25	5	5.00	98.02	5 th	111.1%
MAY	346	17	20.53	101.56	14 th	63.8%
JUNE	916	26	35.23	103.05	15 th	64.2%
JULY	1441	24	60.04	104.18	9 th	127.5%
AUGUST	321	9	35.66	100.19	7 th	153.9%
SEPTEMBER	8	1	8.00	106.30	5 th	130.1%
OCTOBER	8	1	8.00	101.30	4 th	82.5%
TOTAL '99	3089	89	34.70	102.05	12th	91.4%

SEASON BREAKDOWN BY MUF

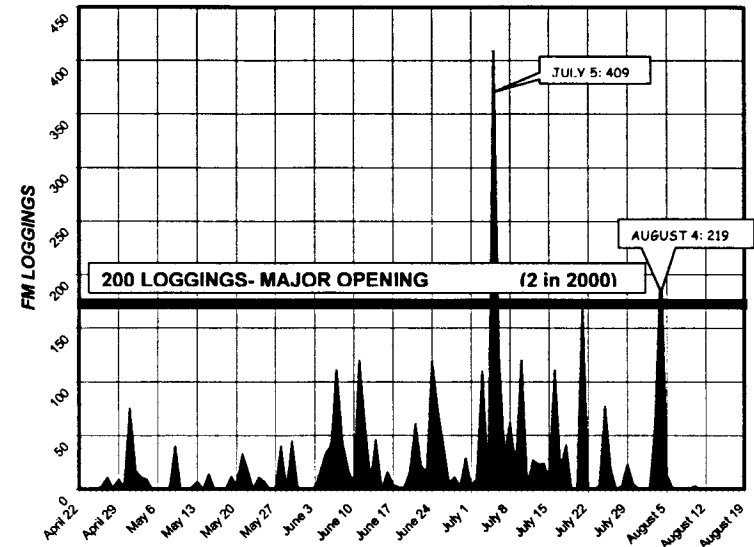
MUF	Openings	% season	JAN	MAY	JUNE	JULY	AUGUST
107.9 +	7	7.87%	0	0	3	4	0
Up to 107.9	14	15.73%	0	0	5	7	1
Up to 105.1	32	35.96%	0	3	11	13	2
Up to 100.1	57	64.04%	1	10	18	18	5
Up to 98.5	62	69.66%	1	11	21	19	5
Up to 92.1	88	98.88%	1	17	25	24	8
Up to 88.1	89	100.00%	1	17	26	24	9

KEY:
MUF: Maximum Useable Frequency for FM skip
OPENINGS: The number of days on which FM skip MUF reached that high in 2000
% SEASON: The percentage of total FM skip days that saw an MUF this high
MAY, JUNE, JULY, AUGUST: The number of days during this month on which the MUF got this high

Skip loggings are taken from DX reports in Northern and Southern FM DX columns, up to and including the December 2000 VUD. Rankings are in comparison to the period 1981 - 1999 (the past 18 years).
NOTE: Many thanks to Roy Barstow, who kindly provided VUDs from the period 1972 - 1979 to add to my records. I have completed going through most of these VUDs, but have not incorporated them into

SPECIAL REPORT - 2000 FM E-SKIP REPORT

FM LOGGINGS PER DAY CHARTED:



E-SKIP TOTALS FROM RECENT SUMMERS-

YEAR	TOTAL	# DAYS	AVER	APR	MAY	JUN	JUL	AUG	SEP
2000	3089	90	34.32	25	346	916	1441	321	8
1999	3178	55	57.78	0	409	1415	1319	27	0
1998	2361	60	39.35	46	488	1101	366	330	0
1997	1371	45	30.47	0	66	672	349	284	0
1996	2743	67	40.94	3	489	959	1180	104	0
1995	3746	74	50.62	2	406	891	2249	143	0
1994	8567	84	101.99	227	1454	5158	1574	153	1
1993	2688	55	48.87	0	57	1762	809	46	11
1992	2674	44	48.61	0	840	1523	140	99	0
1991	4003	78	51.32	0	483	1064	1929	356	10
1990	4980	68	73.24	0	2019	1603	1258	74	13
1989	3848	74	52.00	1	581	550	2031	531	0
1988	1965	67	29.33	0	357	1186	307	33	0
1987	4922	82	60.02	59	209	2661	1686	300	0
1986	2951	73	40.42	21	802	978	469	573	18
1985	1786	64	27.91	0	170	842	614	11	66
1984	1639	87	18.84	40	550	515	332	72	11
1983	3856	76	50.74	0	373	1525	1714	112	0
1982	4333	74	57.77	20	425	2038	1508	334	0
1981	3366	59	57.05	1	424	1085	1625	228	0

The final tally this year finishes 12th of the past 20 years, making it an "average" season, similar to last year (but slightly worse). This year saw more openings outside the June-July period, to help balance out a fairly poor June. July was a good month, with some FM nearly every day. Statistically, June is somewhat better than July, but not this year. Skip went into August later than average, as well. There was also a lack of major openings this year, though July 5th and August 4th certainly were exceptions. The latter was especially good, with long lasting high MUFs, and many DXers reporting multiple clouds. HAPPY NEW YEAR!

Special Report: Y2K TV Es summary

Top openings:

Date:	Total:	Reporters:	Average:	MUF:	High:	FM Rank:
5 July	122	12	10.17	109 MHz	23	1
4 August	88	12	7.33	Ch. 7	27	2
25 July	80	11	7.27	106 MHz	22	
21 July	73	10	7.30	90 MHz	21	3
10 July	71	11	6.45	Ch. 7	19	5
26 July	68	13	5.23	Ch. 6	13	
29 July	59	10	5.90	Ch. 6	12	
3 August	57	9	6.33	Ch. 6	20	
12 July	51	11	4.64	Ch. 6	12	
8 July	51	12	4.25	Ch. 6	10	

Total: Total number of Idd Es loggings made during 2000 and reported to Eastern or Western TV DX.
Reporters: Number of DXers reporting at least one Es signal (including unIDs) on this day.
Average: Average number of loggings per reporter.
MUF: Highest channel or frequency on which Es signals (not necessarily TV) were reported on this day.
High: Maximum number of IDd TV Es loggings by any one reporter on this day.
FM Rank: The rank of this date (in total number of Es loggings) in Greg Coniglio's FM Es summary.

Monthly breakdown:

Month:	Es Loggings:	Es Days:	Loggings per day:
January	68	11	6.18
February	13	3	4.33
March	1	1	1.00
April	49	5	9.80
May	275	25	11.00
June	357	29	12.31
July	1093	29	37.69
August	186	10	18.60
September	3	2	1.50
October	7	1	7.00
November	0	0	0.00
December (1999)	20	6	3.33

Annual breakdown:

Year:	Es Loggings:	Es Days:	Loggings per day:
2000	2072	122	16.98
1999	1605	96	16.72
1998	1958	139	14.09
1997	1396	136	10.26
1996	2954	178	16.60
1995	3391	160	21.19
1994	2253	118	19.09
1993	1585	102	15.54

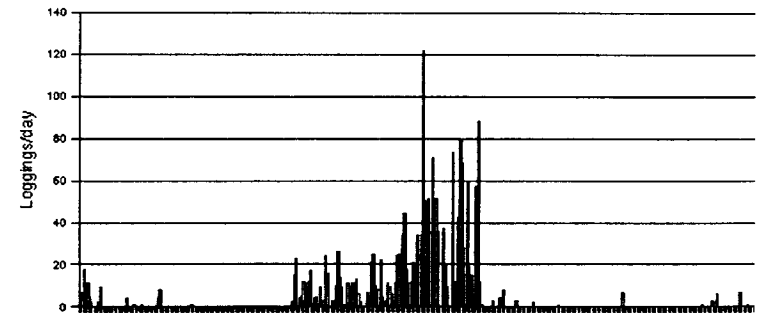
Pests:

Number of loggings:	Stations:
62	WPBT 2
54	WESH 2
53	XEFB 2
42	KPRC 2
41	WEDU 3
35	KNAZ 2
34	KTVK 3
32	KGAN 2
29	KWGN 2
26	WCBD & XEPM 2; KOTA 3

Pests, by channel:

Channel:	Station:	Loggings:
2	WPBT	62
3	WEDU	41
4	XHG	13
5	XEJ	11
6	WTVJ	8

2000 Es Summary



After a rather lengthy drought, the skip is back! 2000 was the best year since 1996. (and it was even better than it appears; I managed to misplace my August VUD while compiling this report, so a significant amount of early-season skip is missing...) There were two dates with high-band skip (10 July and 4 August), though the lack of correlation between good TV days and good FM days was rather unusual. Roy Barstow logged Puerto Rico and a tentative Venezuelan, but nothing else particularly exotic was noted on the TV dial this year. (can't say the same for FM!)

The first tentative reports of DTV skip also appeared this year, with Danny Oglethorpe noting unusual snow on channel 2 at times when stations from the Great Lakes were in. It is very possible this was WKYC-DT Cleveland. (of course, we'll have to have more DTV receivers in service before we can know for certain whether conclusive identification of DTV Es is actually possible)

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PHOTO-NEWS

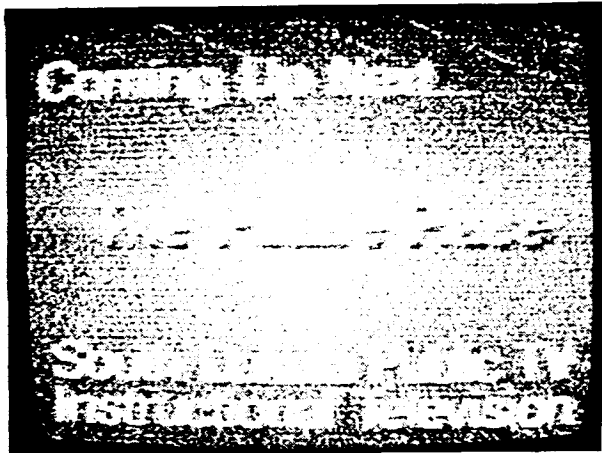
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January 2001

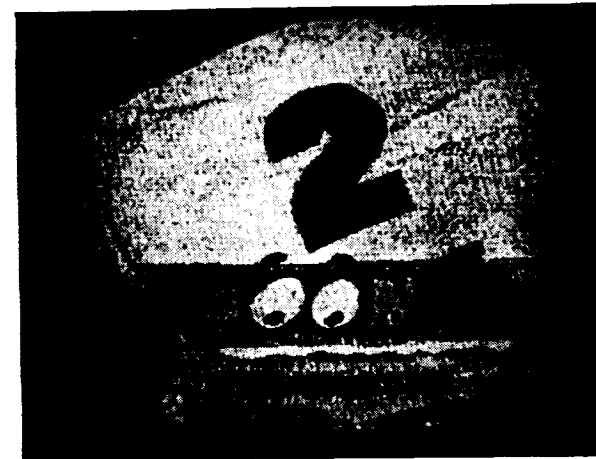
And now the rest of Aaron Mitterling's E-skip photos from Ft. Wayne, IN.



KWGN-2 Denver, CO
1020 mi Es seen 6/26/00
@1119 ET
"WBZ News"



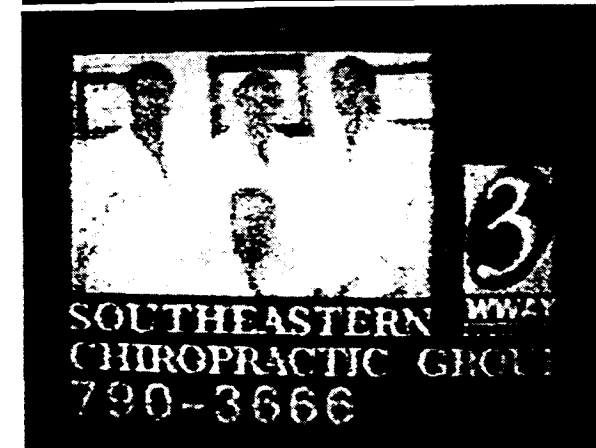
KUSD-2 Vermillion, SD
600 mi Es seen 4/27/00
@1055 ET



WGBH-2 Boston, MA
720 mi Es seen 6/29/00
@1029 ET



KLBY-4 Colby, KS
850 mi Es seen 6/22/00
@1100 ET



WWAY-3 Wilmington, NC
600 mi Es seen 7/3/00
@1100 ET

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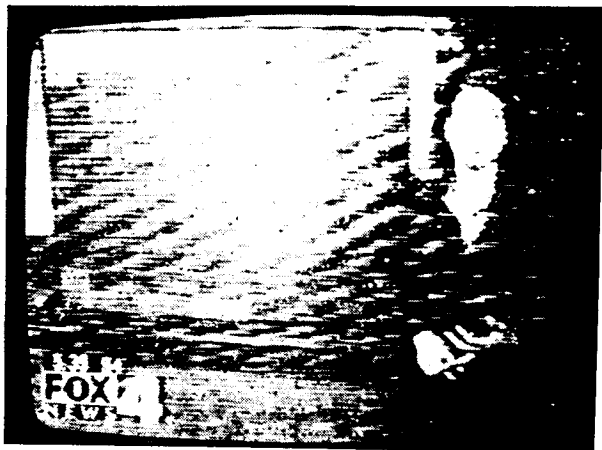
Abbreviations:

AF	Applied for (a new station)	NW	New station on the air
CC	Call change	PC	Power (or tower height) change on the air
CL	City-of-license change	PG	Power (or tower height) change granted
DE	Station deleted	QC	Channel change on the air
FC	Programming (format) change	QG	Channel change granted
LC	License to cover (for changes or new station)	SI	Off the air ("silent")
NO	Not on the air	XC	Transmitter site change on the air
NS	New station granted permit	XG	Transmitter site change granted

Class A status means a LPTV station has requested or been granted this status. No technical changes are involved.

News:

Alabama:		California:	
Berry	WSFG-LP 15+ requests PC from ch. 63; 3kw	Fresno	KQJA-LP 41- QG (68), PG 100kw, 36-44-46/119-16-57
Birmingham	W27CM+ QG (28); 1.9kw, 33-29-04/86-48-25	Hesperia	KRCA-1 62z AF; 8kw, 34-21-08/117-40-27
Talladega	WOIL-LP 47- Class A status	Indio	KDFX-LP 33- QG (40), 50kw, 33-52-01/116-26-02
Alaska:		Long Beach	
Anchorage	KYEX-LP 18n QC to ch. 16 dismissed	KSCI 18-	r e q . P C 2586kw/898.3m, 34-12-50/118-03-40
Anchorage	KDMD 33z PC> 56.4kw/98m, 61-09-53/149-41-05	Merced	KMPH-LP 17 Class A status; PC> 2.1kw
Fairbanks	KFXF 7 FC; add UPN	O'Neals	K38GM QG (66)
Fairbanks	KTVF 11 FC; drop UPN	Ontario	KHSC 46 FC to Univision?
Fairbanks	KFXF-DT 22 NS; 1kw/214m, 64-55-20/147-42-55	Porterville	KKAK-LP 20 Class A status
Palmer	K12OW QC (unknown)	Riverside	KRCA-DT 68 NS; 1000kw/907m, 34-12-50/118-03-40
Arizona:		Sacramento	
Flagstaff	KZZA-LP 6 Class A status	Salinas	K15CU LC (unknown)
Green Valley	KPCE-LP 29 CC; ex K29CO	San Diego	KBOP-LP 25 CC; ex K25DU
Phoenix	K24EI 42- requests QC, 5kw	San Diego	KSDX-LP 29 QC (unknown)
Tucson	K57BD 68- req. QC, 2.3kw	San Mateo	KCSM-TV 60 PG> 470kw/381.2m
Arkansas:		Santa Barbara	
Batesville	K54GTz QC (12); 1kw, 35-17-29/91-40-24	Santa Barbara	KKFX-LP 24 Class A status
Bentonville	K14IT Class A status	Tulare	K46GC- QG (66); 15.3kw, 34-27-57/119-40-38
Eureka Sprs.	KNJE-LP 58 QC (34) 41.2kw, 36-44-54/93-39-33	Ukiah	KFRE-LP 27 Class A status
Fayetteville	K36EA Class A status		K19EVz QG (23); 1kw
Nashville	KJEP-CA 23 CC; ex KJEP-LP	Colorado:	
Pine Bluff	KWBK-LP 36z QG from ch. 45; 0.89kw, 34-09-56/91-50-27	Carbondale	K38FO QC (22)
Winslow	K09XE Class A status	Cortez	K39EY LC for QC from ch. 62; 0.11kw
California:		Denver	
Bakersfield	KJOL-LP 34+ req. QC from ch. 33	Denver	KCEC-DT 51 NS, but later rescinded.
Bakersfield	K65EY FC; sold to TV Azteca	Denver	KSBS-LP 67 sold to Telemundo
Calexico	K22FJ QC from 18/36?	Durango	KBEH 33 NO but expected early this year.
Calipatria	KAJB 54 PG< 428m, 33-03-02/114-49-38	Estes Park	Telemundo // K T E L - L P Albuquerque.
Cathedral C.	KPSP-LP 38+ req. QC from ch. 58, PC< 9kw, 33-51-56/116-25-58; Class A status	Glenwood Sps.	Telemundo KMAS-LP 3 sold to Telemundo
Coalinga	K54GU+ QG (48)	Pleasant Valley	QC (65); 1.23kw
El Centro	KVYE 7+ PG; 316kw/444m, 33-03-02/114-49-38	Pueblo	req. QC to ch. 30n PG< 240kw/715m, XG 38-44-43/104-51-41
		Pueblo	K42EV sold to Telemundo
		Steamboat Sps.	K47CR sold to Telemundo
			KTSC 8z
			K34FB sold to Telemundo
			KMAS-TV 24 sold to Telemundo



KDFW-4 Dallas, TX
860 mi Es seen 7/5/00
@1705 ET



KXAS-5 Ft. Worth, TX
900 mi Es seen 7/6/00
@1110 ET

Great photos, Aaron! DX has been slow here. Very few gulf openings which is rare for this time of year. Look for more photos from Danny Oglethorpe and Matt Sittel in the coming months. Keep those photos coming!

73's,
Jeff
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Connecticut:			Idaho:		
Allington	W28AJ	modification application dismissed	Ketchum	KSVT-LP 20	Class A status
Hartford	WUVN 18	CC; ex WHCT. FC to Univision.	Nampa	KIVI 6z	PG 56kw/856m, XG 43-45-21/116-05-54
New Haven	WBNE 59	FC to UPN; CC to WCTX.	Rexburg	K67HA	req. QC to 47+
Waterbury	WTXX 20	FC to WB	Rexburg	K68FM	req. QC to 39+
			St. Maries	K69CN	LC (QC from 54)
District of Columbia:			Illinois:		
Washington	WHUT-TV 32	PG 1450kw/267m, 38-57-00/77-04-49	Aurora	WEHS 60	FC to Univision?
Washington	WDCA-DT 35	NS; 760kw/274m, 38-57-01/77-04-49	Palatine	W36AO 68-	req. QC, PC> 12.6kw
			Rockford	W08CM	Class A status
			Rockford	WCFC-LP 51	Class A status
			Springfield	WCFN 49	req. P C > 1750kw/190.5m
Florida:			Indiana:		
Daytona Beach	WVEN-TV 26	CC; ex WNTD. FC to Univision.	Elkhart	W18CF-	QC (67), PC 2kw
Hollywood	WAMI 69	FC to Univision?	Indianapolis	WKOG-LP 31	req. PC> 55kw, XG 39-46-01/86-07-29
Kissimmee	WTMO-LP 40	Class A status	Kokomo	WKKG-LP 48	LC for PG< 11.9kw & XG 40-26-58/86-04-57
Miami	WBZL-DT 19	NS; 145kw/252m, 25-58-07/80-13-20	Lafayette	W57DC+	QC (36), PC 15kw
Miami	W21AX	Class A status			
Oldsmar	W48AY	Class A status			
Orlando	WTWD-LP 16-	QC (62), 4.42kw, 28-27-52/81-27-39	Iowa:		
Orlando	WRFC-LP 29	QC (27), 5kw, 28-32-25/81-22-46; CC from W29CL	Davenport	WBQD-LP 65	CC; ex K65GF. FC to WB?
			Marshalltown	KDAO-LP 45	QC (unk., 39?)
Palatka	WJGV-LP 48-	QC (49), 21.6kw	Kentucky:		
St. Augustine	W22AN	Class A status	Bowling Green	WBKO 13z	req. XG 37-03-49/86-26-07
Stuart	WTCN-LP 15	Class A status			
Tallahassee	new-24	PG> 252m	Campbellsville	WBKI-TV 34-	LC for PG> 5000kw/387m, XG 37-31-51/85-26-45
Tampa	WBHS 50	FC to Univision?			
Tampa	WRMD-LP 51+	req. QC from ch. 57, PC 14.9kw	Louisville	W24BW	req. XC 38-21-55/85-50-24
Tampa	WBHS-DT 47	NS; 200kw/443m, 27-50-32/82-15-46	Louisville	W50CI	QC (49)
Venice	WBSV 62	SI temporarily for power increase. To be Univision?	Paducah	WQWQ-LP 9-	QC (67), 3kw
Vero Beach	W57DMz	QC (69), 2kw	Louisiana:		
Georgia:			Baton Rouge	KANC-LP 21z	PG> 42.3kw, XG 30-27-03/91-07-54
Athens	WHOT-TV 34	FC to Univision?	Jennings	K13VG	Class A status
Atlanta	WAGA 5-	LC for PC> 328m, 33-47-51/84-20-02	Lafayette	KLFY 10z	PC> 316kw/527m, 30-19-19/92-16-59
Augusta	WBPI-LP 49	Class A status			
Bainbridge	WTLH 49	FC; drop UPN	New Orleans	WWL-TV 4	about 6ml. east of old location
Brunswick	WBSG 21	FC; sold to Pax	Opelousas	KDCG-LP 22	PG (unknown)
Thomasville	WCTV-DT 46	AF; 1000kw/566m, 30-40-13/83-56-26	Maryland:		
Valdosta	WBVJ-LP 35+	LC for QC from ch. 53, 0.44kw, 30-50-30/83-18-26	Frederick	W52AS 31z	req. QC
Hawaii:			Massachusetts:		
Honolulu	KIKU-DT 19	NS; 46.78kw/606m, 21-23-51/158-06-01	Marlborough	WHUB-TV 66	FC to Univision?
Honolulu	KWOG 44	CC; ex KWBN	Michigan:		
Honolulu	K50AP	DE	Ann Arbor	W27CJz	QC (59), PC< 1.5kw, 42-16-41/83-44-32
Idaho:			Detroit	WTVS-DT 43	LC 200kw/318m, 42-26-52/83-10-23
Boise	K35GE+	QC (66), 25.6kw, 43-35-28/116-08-25	Holland	WOHO-LP 33+	QC (59), PC> 10kw, 42-48-59/85-57-20, CL from Rockford
Boise	K56FQ	NW, testing	Mt. Pleasant	W32BT	PG< 2.5kw
	K60FH		Minnesota:		
	K64EJ		Willmar	K17FA-	QC (34), PC 0.8kw
Caldwell	KNIN-TV 9	LC for PG> 162kw/805m. FC; add Pax.	Willmar	K30FZz	QC (14), PC 11kw
Coolin	K11UNz	QC (13)	Missouri:		
Hailey	KSVX-LP 18	Class A status	St. Louis	KPLR 11	FC; add UPN
Juliaetta	K64CM	LC (unknown)	St. Louis	KNLC 24	FC; add UPN

Missouri:			New York:		
St. Louis	KDNL-DT 31	NS; 1000kw/336m, 38-34-50/90-19-45	Oneida	W15BR	FC to Cornerstone religion
Montana:			Smithtown	WHSI 67	FC to Univision?
Bozeman	KBBM-LP 38z	QC (64), 10.6kw	Utica	W53AM	req. PC 9.71kw
Havre	KBBJ 9	NW (unknown)	North Carolina:		
Lewistown	KBAO 13z	NW; 9kw/636.3m, 47-10-40/109-32-07	Asheville	WHNS 21	modification application granted
<i>Both of the above are believed to relay KTVH 12 Helena, NBC.</i>			Boone	WLNN-LP 24	Class A status
Nebraska:			Chapel Hill	WUNC-DT 59	NS; 893.2kw/448m, 35-51-59/79-10-00
Grand Island	KTVG-DT 19	NS; 1000kw/186m, 40-43-44/98-34-13, FC; add UPN & Pax. requests PC> 371.8m, 40-36-08/98-50-21	Columbia	WUND-DT 20	NS; 543kw/489m, 35-54-00/76-20-45
Hastings	KHAS-TV 5-	CC; ex K18EC	Greenville	WUNK-DT 23	NS; 44.7kw/331m, 35-33-10/77-36-06
Omaha	KAZO-LP 18	FC; add UPN & Pax.	Lenoir	WTBL-LP 49-	req. QC (53)
Superior	KSNB 4		Lexington	WTWB-TV 20z	req. P C > 5000kw/553m, 35-52-02/79-49-26
Nevada:			Lumberton	WUNU-DT 25	NS; 113kw/294m, 34-47-50/79-02-42
Las Vegas	KVBC-DT 2	NS; 27.7kw/384m, 36-00-30/115-00-20	Roanoke Rap.	WUNP-DT 39	NS; 57.6kw/338m, 36-17-27/77-50-11
Las Vegas	KINC-DT 16	NS; 1000kw/571m, 35-56-46/115-02-34	Rocky Mount	WRPX-DT 15	NS; 180kw/354m, 36-06-11/78-11-29
Las Vegas	KVWB-DT 22	NS; 630kw/368m, 36-00-28/115-00-24	North Dakota:		
New Hampshire:			Grand Forks	KXJC-LP 35+	LC for QC (39), 1kw, 47-52-33/97-02-56
Durham	WENH-DT 57	LC	Grand Forks	K49FF	QC (22), 9.2kw, 47-50-43/96-50-22
Nashua	WYCN-LP 13	Class A status	Jamestown	KJRR 7	req. XC 46-55-27/98-46-19
New Jersey:			Ohio:		
Atlantic City	W36BJ 60+	req. QC, 2kw, 39-21-40/74-25-05	Akron	WAOH-LP 29	Class A status
Hammoncton	WPSJ-LP 24-	req. QC (8), 5kw	Brecksville	W10CK	req. QC to ch. 52
Linden	WNJU 47+	req. P C 3330kw/407.5m, 40-44-54/73-59-10 (from World Trade Center to Empire State Building)	Cleveland	W35AX	req. PC> 18.8kw; Class A status
Morristown	W44AW 54-	LC for QC, 0.02kw	Cleveland	WQHS 61	FC to Univision?
Newark	WHSE 68	FC to Univision?	Columbus	W13BN	req. modification of CP for ch. 60 to read ch. 43- instead.
Trenton	W2SAW	Class A status	Dayton	W61DE	QC (68), 3.1kw, 39-43-16/84-15-00
Vineland	WHSP 65	FC to Univision?	Defiance	WDFM-LP 26	req. modification of CP for ch. 52 to read ch. 26- instead, 15kw
New Mexico:			Delaware	WXCB-LP 42	Class A status
Albuquerque	KOAT-DT 21	NS; 280kw/1264m, 35-12-53/106-27-01	Findlay	W09CG+	QC (60), 0.47kw
Albuquerque	K59DB 36z	req. QC, PC>30kw	Marion	WOCB-LP 25-	req. QC from ch. 39, 10kw; Class A status
Angel Fire	K33FK	QC (63), PC 3.46kw	Masury	WFXI-LP 17+	QC (31), 9.4kw;
Artesia	K46FE	QC (40)	Portsmouth	W66CZz	Class A status
Crownpoint	K28GTn	QC (63)	Toledo	W22CO+	QC (21), 6kw
Gallina	K30FT	QC (63), PC 1.22kw	Oklahoma:		
Las Cruces	K16DJ	req. QC (36-), PC 0.9kw	Nowata	K25GR	Class A status
Las Cruces	K68FV	req. QC (20-)	Oklahoma C.	KOPX-DT 50	NS; 200kw/483m, 35-35-52/97-29-22
Navajo C. S.	K43GQ	QC	Shawnee	KQOK 30	NW; ACN shopping
Thoreau	K36FD	QC (61), PC 1.22kw, 35-28-06/108-14-26	Sulphur	KOKT-LP 36+	QC (20), 37.8kw, 34-22-29/97-08-24
T or C	K59CN	requests QC	Tulsa	KLOT-LP 25z	LC for PG> 5.06kw
New York:			Oregon:		
Buffalo	W15BH	Class A status	Corvallis	KOAC-TV 7-	req. PC< 357m
Garden City	WLIW-DT 22	NS; 88.3kw/125m, 40-47-19/73-27-09	Grants Pass	new 30	FC; sold to religious organization
Morris	WBPN-LP 10z	QC (4), PC<10w, XG 42-03-22/75-56-38	Portland	KPTV 12	modification application granted
New York	WNXY-LP 26-	LC for QG (27), PG> 25kw, XG 40-44-50/73-56-38	Portland	KPTV-DT 30	NW
Nyack	WRNN-LP 35+	QG (57)			

Oregon: Salem	K511E 57	QC (30)	Texas: McAllen	KSTI-LP 25-	QC (69) (but Fernando is still seeing it on ch. 69) req. modification of CP from ch. 21z to ch. 30, 14.6kw, 26-15-19/98-09-41
Pennsylvania: Pittsburgh	WBGN-LP 59	FC mostly shopping w/some children's programming.	McAllen	KSFELP 30+	
Scranton	WVIA-DT 41	NS; 200kw/487m, 41-10-55/75-52-17.	Utah: Cedar City	KCSG-DT 14	NS; 1000kw/819m, 37-32-29/113-04-04 QC from ch. 24n; PC> 0.46kw
Willow Grove	WELL-LP 8	Expected on by 1/1/2001. FC: sold to religious organization	Manti	K25GSn	CC; ex KTLE-LP req. PC
South Carolina: Charleston	W12CWz	QC (60), 2kw	Ogden Tooele	KULX-LP 51 K20ER 63	CC; ex KTLE-LP req. PC
South Dakota: Sioux Falls	K42CC	sold to new st. KAUN 36	Virginia: Hampton	WVEC-DT 41	NS; 1000kw/344m, 36-49-00/76-28-06
Sioux Falls	KBNW-LP 44	sold to new st. KAUN 36	Marion	WMSY-DT 42	NS; 100kw/448m, 36-54-07/81-32-32
Sioux Falls	K56GF+	QC (66), 10.1kw	Norfolk Norton	WNLO-LP 45 WSBN-DT 32	CC; ex W45BG NS; 100kw/591m, 36-53-53/82-37-21
Tennessee: Dyersburg	WDYR-LP 33	FC: sold to WTCT 27,(IL) TBN/relig. QC (34)	Roanoke	WBRA-DT 3	NS; 7.25kw/627m, 37-11-46/80-09-18
Knoxville	WEZK-LP 28z		Washington: Bellevue	KWBN 51	CC; ex KBEH req. QC. FC. Telemundo.
Memphis	WPXX-DT 51	NS; 1000kw/298m, 35-12-41/89-48-54	Kennewick	K57HF 29-	QC (52), 0.8kw req. QC
Nashville	WGAP-LP 26-	QC (68), 11.9kw	Yakima	K02PN+	req. QC
Texas: Alvin	KHSH 67	FC to Univision?	Yakima	K60EB 39-	req. QC
Amarillo	K22FP+	LC for QC from ch. 48, 12.9kw, 35-12-26/101-50-20	Yakima	KCYU-LP 41n	QC (68)
Carrizo Sprs.	KSPG-LP 11	QC	Yakima	K17CJ 43	req. PC
Corpus Christi	K41FO-	LC for QC from ch. 22; 12.1kw. Seen by Fernando on new channel.	West Virginia: Bluefield	WLFB 40-	LC; 3160kw/391m, 37-13-08/81-15-39
Dallas	KDFI 27	CC; ex KDFI-TV	Parkersburg	W45BWz	QC (39), 16.5kw
Dallas	KXTX-DT 40	NS; 1000kw/494m, 32-35-07/96-58-06	Wisconsin: Fence	W45CD	QC
Dallas	K19DW 44z	LC for QC, 20kw, 32-46-48/96-48-14	Fond du Lac	WMMF 68	NW; testing w/bars. Possibly to be FamilyNet?
Dallas	KDTX 58z	XC 32-35-21/96-58-12, 437m	Menomonie	WHWC-DT 27	NS
Greenville	KNOK-LP 43+	LC for QC from ch. 53; FC to Spanish religion	Park Falls	WLEF-DT 47	NS; 200kw/244m, 45-56-43/90-16-28
Houston	KHMV-LP 28	QC from ch. 56; FC to relay KAZH 57, independent.	CANADA: Quebec:		
Irving	KSTR-TV 49z	req. PC>519.3m, XC 32-32-35/96-57-32; already requests LC for same. FC to Univision?	Montreal	CJNT-TV 62z	FC to ethnic & independent. (from all ethnic)

There are some major changes in the works at various wireless-cable operations. Due to serious problems with my database, (enormous numbers of missing stations) I'm finding them very difficult to sort out; if this column was to appear in time, there would not be time to present the details. Just be aware that if you live anywhere near any of the following cities, there may be some major LPTV changes in your area soon:

Batesville & El Dorado, AR; Eureka, CA; Boise, ID; Talbert, KY; Alexandria, LA; Bangor, ME; Traverse City, Pinconning, & Sault Ste. Marie, MI; Cape Girardeau & Joplin, MO; Meridian & Grenada, MS; Columbus, NE; Acton & Jackson, TN; Whiting, WI

"Near" could be as far as 300 miles!, one of the Columbus, Nebraska wireless-cable LPTVs has applied to move to Scottsbluff on the other end of the state... I hope to have this all sorted out by February.

Comments about the new format would be appreciated. I'm hoping to achieve greater consistency with *FM News*, and to save a bit of space as we see more and more DTV activity.

Forum & Other Stuff

Thanks to Keith Smith, Fernando Garcia, Chip Kelley, Danny Oglethorpe, Mike Bugaj, Bob Seaman, John Broomall, Bill Hepburn, and Mike Reid (via Saul Chemos) for information in this month's column.

The Home Shopping Club owned-and-operated stations have been sold to Univision and are expected to flip to that Spanish-language network in the near future. No word yet on what will happen in the many markets that already have both a HSC and Univision station. I think I got them all noted above. Not much action in Canada this month.

If you live in the deep South, Guatemalan DX is within the realm of possibility. And now that we have members in Puerto Rico and Cuba, DX from Colombia is within their range. Bill Hepburn has found the official station databases for these two countries on the Internet. For Guatemala, look at <http://espectro.sit.gtm.tripod.com/inventario/inventario.html>; for Colombia, the URL is <http://www.mincmunicaciones.gov.co>, look under Planes Tecnicos de Radiodifusion.

Russ Edmonds posted news from the "phillyradio.com" website indicating WWSI 62 Atlantic City, NJ is building its tower. The tower will be just under 1,000', the tallest broadcast tower in the state. (which I didn't believe until I looked it up...) The site is between Manahawkin and Atlantic City, right on the coast.

FCC Federal Communications Commission

The FCC periodically releases broadcast station totals. I've never seen this release in the *VUD*, and thought members might find it interesting to know just how many stations there are, as of 30 September:

AM Radio	4,685
FM Translators/Boosters	3,243
FM Commercial Radio	5,892
FM Educational Radio	2,140
Total Radio:	15,960

Commercial TV: VHF	567
Commercial TV: UHF	721
Educational TV: VHF	125
Educational TV: UHF	250
Total full-power TV:	1,663

VHF Translators	2,113
UHF Translators	2,675
VHF LPTV	610
UHF LPTV	1,756
VHF Class A	(None yet)
UHF Class A	13
Total low-power TV:	7,167

Total TV: 8,830

I'm afraid the solar flux took a dive in early December, and I haven't heard any further F2 carriers. Es hasn't come along to take up the slack yet either. But it's still early; I'm still expecting a Christmas gift from Mother Nature... Here's hoping you all had a happy holiday, both with your families and with your DX gear!



FM NEWS

JANUARY 2001

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NEW E-MAIL ADDRESS!!
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Most of the information appearing in this column is courtesy of:
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KEY TO ABBREVIATIONS:
&: satellite programming
AF: New frequency allocation
accepted for filing for a new FM license
AFA: American Family Association
CC: call letter change
CL: city of license change
CX: a construction permit has been canceled
C1, C2, etc.: a change in status to that FM license class
DA: directional antenna
DE: station has been deleted
FC: format change
GA: granted amendment to the table of FM allocations
GE: granted extension of construction permit

GX: **granted replacement** of expired permit
LC: **license to cover** filed (means station is ready to come on air)
MC: **multiple-city** legal ID
NC: **no change** yet on a reported change/permit
ND: **non-directional** antenna
NO: **not on the air**
NS: **new station** granted
NW: **new station** signs on
OSA: **one-step application** granted for change
PA: **proposed amendment** to change FM table of allocation
PC: **power change** on the air (">" for increase, "<" for decrease, when known)

PG: **power change** granted (">" for increase, "<" for decrease, when known)
QC: **frequency change** occurred
QG: **frequency change** granted
RA: **silent station returns to air**
RE: **station requests extension** on permit
RX: **station requests replacement** of expired permit
SG: **slogan change** or update
SI: **station is silent**
XA: **dismissed amendment** to FM allocations
XC: **transmitter site change** occurred
XG: **transmitter site change** granted



UNITED STATES

ALABAMA:

Gadsden: WSGN 91.5 PC> 6.3 kW (v), 522' DA
Selma: WAQU 91.1 PG> 21.5 kW, C3,
XG: 32-24-17 / 87-25-32

ALASKA:

Anchorage: KWHL 106.5 inc. 79', DA
Homer: *NS 88.9 250w, 666 ft.

ARIZONA:

Apache Jct: KVVA 107.1 FC to EXL Romantica (&)
Buckeye: KMJK 106.9 FC to EXL Romantica (&)
Fredonia: *NS 89.5 ? facis
Window Rock: KWRK 96.1 FC to dance-CHR,
WW1 rhythmic oldies overnights (&)

ARKANSAS:

El Dorado: *NS 88.9 26 kW (v), 121', DA
El Dorado: KMLK 101.5 NW urban AC (&)
Hoxie: KOCY 105.3 FC to classic cntry (&)
Marked Tree: KJBR 93.7 FC to classic country (&) //
KOCY 105.3 (Jonesboro)

CALIFORNIA:

King City: KBAP 91.3 PG< 300w(v), 75 ft, DA,
XG: 36-16-22 / 121-05-02
Lakeport: KXBX 98.3 PG> 4.8 kW, 367 ft,
XG: 39-02-56 / 122-46-03

California:

Mariposa: KDJK 103.9 adds Bob & Tom
Modesto: KHKK 104.1 adds Bob & Tom
Oakdale: KHOP 95.1 FC to 80s hits "Planet 95"
Sacramento: KZZO 100.5 adds 80s hits 8pm-12am
Santa Ynez: KRAZ 105.9 PG<60w, 3070 ft,
XG: 34-31-52 / 119-59-05
Shafter: KRME 97.7 PC> 6 kW
S. Lake Tahoe: KZZF 102.9 FC to 80s hits "Q102"

COLORADO:

Windsor: KUAD 99.1 inc. to 836 ft.

CONNECTICUT:

Bridgeport: WEZN 99.9 XC: 41-16-44 / 73-11-08

FLORIDA:

LaBelle: WRQC 92.5 CC (ex WWWD), FC to
rock "Real Rock" (Fort Myers)
Madison: WXHT 102.7 RA with dance-CHR "Hot
102.7" (Valdosta, GA)
Miami: WTMI 93.1 XC: 25-58-03 / 80-12-34

GEORGIA:

Atlanta: WPCH 94.9 all Christmas music during
Xmas season
Macon: WAYS 105.3 CC (ex WDEN), FC to
oldies, move to 105.5 coming too
Macon: WDEN 99.1 CC (ex WAYS), FC to
country
Metter: WBMZ 103.7 adds Hero clas. hits (&)
Sparta: WJDS 88.7 LC



HAWAII:

Pukalani: KMVI 98.3 PG> 10.5 kW, C1, DA,
XG: 20-39-36 / 156-21-50

ILLINOIS:

Chicago: WXCD 94.7 FC to 80's "The Zone",
increases to 1538 ft.
DuQuoin: WAWJ 90.1 NW, AFA cont. Christian
(&) (Carbondale)
Genoa: WOXM 106.3 LC
Macomb: WNLF 95.9 LC
Taylorville: WTIM 97.3 PG< 4.6 kW, 374 ft,
XG: 39-27-08 / 89-17-10

INDIANA:

Boonville: WBNL 107.1 PG< 1.6 kW, 640 ft, DA,
XG: 37-59-13 / 87-16-11
Newburgh: WDKS 106.1 adds Rick Dees

KANSAS:

Baxter Sp: KMOQ 107.1 FC to CHR "Power 107.1"
Clay Ctr: KCLY 100.3 PC> 25 kW, C3, 276 ft,
XC: 39-29-14 / 77-07-35
Galena: KBGZ 104.3 FC to WW1 rhythmic oldies
(&) (Joplin)

KENTUCKY:

Hopkinsville: WZZP 97.5 NW, classic hits
Louisville: WPTK 103.9 CC (ex WMHX) "The Point"
Morehead: WMOR106.1 PG> 19.5 kW, 374 ft.

LOUISIANA:

Bastrop: KAXV 91.9 LC
Morgan City: KBZZ 96.7 CC (ex KFXV), FC to CHR
"The Buzz"

MAINE:

Portland: WBLM 102.9 dec. 1427', XC: 43-55-29 /
70-29-29

MASSACHUSETTS:

Woods Hole: WCAI 90.1 LC

MICHIGAN:

Imlay City: *NS 89.1 1.5 kW, 171 ft.

MINNESOTA:

Hermantown: WWAX 92.1 OSA to C3, 5.4 kW,
705', XG: 46-47-41 / 92-07-05
Staples: KSKK 94.7 PC> 50 kW, 469 ft,
XG: 46-33-08 / 94-39-03



MISSOURI:

Monroe City: KWVZ 107.5 PC> 5.9 kW, 331 ft,
XC: 39-35-12 / 91-47-57
Park Hills: KBGM 91.1 XG: 37-48-04 / 90-33-51

MONTANA:

Dillon: *NS 90.9 850.w, -236 ft.

NEBRASKA:

Crete: KKNB 104.1 FC to top 40 "Kiss FM"
Ord: KNLV 103.9 PG> 40 kW, C2, 387 ft.

NEVADA:

Henderson: KMZQ 100.5 inc. to 1171', XC: 36-00-
30 / 115-00-20

NEW YORK:

Carthage: WTOJ 103.1 PC> 1.8 kW, XC: 43-57-15 /
75-43-45
Elmira: WENY 92.7 FC to ABC AC // WCBA-FM
Glens Falls: WCQL 95.9 PC> 410 w
Jamestown: WUBJ 88.1 XG: 42-10-47 / 79-20-41
Lakewood: WKZA 106.9 NW, hot AC/adult top 40
"106.9 Kiss FM" (Jamestown)
Loudonville: WVCR 88.3 PG> 1350w, 853 ft.
Queensbury: WNYQ 105.7 PG<1550w, 1273 ft,
XG: 43-25-12 / 73-45-39
Riverhead: WRCN 103.9 PG< 1.4 kW, 485 ft.
Utica: WRVN 91.9 PG> 1360w, -62 ft.

NORTH CAROLINA:

Charlotte: WSSS 104.7 FC to 80's based classic
hits
Long Beach: WAZO 98.3 LC
Wrightsville Bch: WFXZ 93.7 FC to classic rock
"The Bone" (Wilmington)

NORTH DAKOTA:

a

OHIO:

a

OKLAHOMA:

Coalgate: KNOR 105.5 NW, classic rock // KTLS
Enid: KMMZ 96.9 CC (ex KMKZ)
Holdenville: KTLS 106.5 FC to classic rock
Wewoka: KSLE 104.7 FC to ABC hot AC "Planet"
(&)
Woodward: KAZY 95.9 NW, rock "KZ 95.9"

OREGON:

Canyon City: KJDY 94.5 XC: 44-17-50 / 119-02-09
Florence: KWVZ 91.7 LC

PENNSYLVANIA:

Central City: WWSA 101.7 stunting with Christmas
music
Ephrata: WRTL 90.7 NW, classical and jazz //
WRTI 90.1

SOUTH CAROLINA:

Andrews: WGTN 100.7 PG> 6 kW
Easley: WOLI 103.9 FC to 80s hits "Star 103" //
WOLT 103.3 (Greenville)
Greer: WOLT 103.3 FC to 80s hits "Star 103" //
WOLI 103.9 (Greenville)
Richburg: WRBK 90.3 SG "Oldies 90.3"

SOUTH DAKOTA:

Titusville: WPIO 89.3 PC> 6 kW

TENNESSEE:

Cleveland: WALV 95.3 PC< 1050w, 784 ft, DA
Jefferson City: WEZG 99.3 RA with country "I-99"
Norris: WXVO 106.7 PG<1100w, 751 ft, DA,
XG: 36-07-12 / 83-55-30
Oak Ridge: WNFZ 94.3 XC: 35-53-10 / 84-08-11

TEXAS:

Arlington: KLTY 94.9 CC (ex KWRD), FC to cont.
Christian (&) (Dallas)
Big Spring: KBST 95.7 QC from 95.9, PC> 33 kW,
XC: 32-13-13 / 101-26-25
Commerce: KEMM 103.3 RA with ESPN Sports (&)
late in February (Dallas)
Dallas: KBFB 97.9 adds Russ Parr

Texas:

Dumas: KDDD 95.3 PC> 6.6 kW, 259 ft, XC: 35-51-51 / 101-55-44
 Fairfield: KNES 99.1 PG> 11.5 kW, 482 ft, XG: 31-40-55 / 96-01-22
 Haltom City: KKMR 93.3 "Merge Radio" moves more towards modern AC, "Cool rock of the 80s, 90s, and today"
 Hemphill: KTHP 103.9 NW, JRN clas country (& Highland Village: KWRD 100.7 CC (ex KLTY), FC to religion (Dallas)
 Houston: KTRU 91.7 FC to WRN - variety (& Overton: KPXI 100.7 FC to religion // KWRD
 San Antonio: KQXT 101.9 played all Christmas mx Snyder: KSNY 101.5 OSA to C1, 100 kW, 587 ft, XG: 32-53-29 / 101-06-29

UTAH:

Centerville: KCPX 105.7 FC to rock AC "Classic rock without the hard edge"
 Randolph: KWKD 102.3 LC

VERMONT:

Hartford: WWOD 104.3 FC to oldies "Oldies 104"
 Warren: WDEV 96.1 PC>140w, 2296 ft, XC: 44-07-37 / 72-55-43

VIRGINIA:

Goochland: WZEZ 100.5 FC to Christmas Music (new format coming (Richmond)

WASHINGTON:

Bellevue: KBSC 91.3 PG>8.2 kW, 213 ft, DA, XG: 47-35-09 / 122-08-43
 Spokane: KEZE 96.9 PC> 8.2 kW, C2, DA, XC: 47-43-33 / 117-10-06

WEST VIRGINIA:

Point Pleasant: WPCN 88.1 NW, so. Gospel "Joy"

WISCONSIN:

Brookfield: WFMR 106.9 CC (ex WJMR), FC to classical (Milwaukee)
 Kaukauna: WPCK 104.9 dec. to 462 ft.
 Menomonee Falls: WJMR 98.3 CC (ex WFMR), FC to rhythmic oldies (Milwaukee)
 Sheboygan Falls: WWJR 106.5 FC to hot AC



CANADA

ALBERTA:

Lethbridge: *NS 97.1 50w, Christian format

NEW BRUNSWICK:

Woodstock: CJCJ 920 wants 104.1, 10 kW

NOVA SCOTIA:

Truro: CKCL 600 wants 99.5, 14.3 kW

ONTARIO:

Bancroft: CJNH 1240 wants 97.7, 50 kW
 Sault Ste Marie: *NS 89.5 50w TIS wanted
 Thunder Bay: *NS 99.9 37w, to be oldies
 Timmins: CKGB 750 wants 99.3, 40 kW

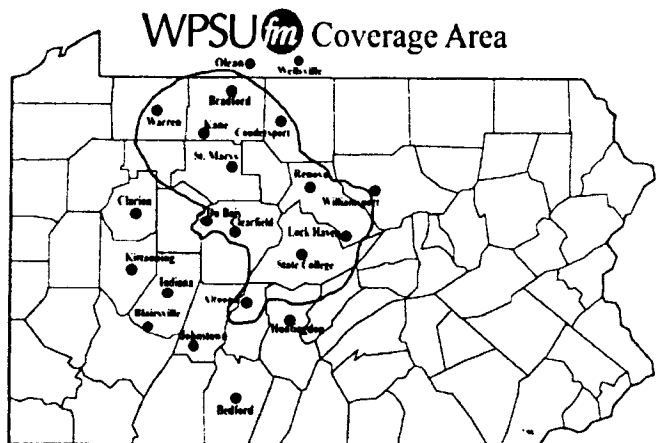
QUÉBEC:



Charlesbourg: *NS 88.7 wants 50w community Christian format in French
 Charlesbourg: *NS 103.7 20w app for French community station

HAPPY NEW YEAR!!

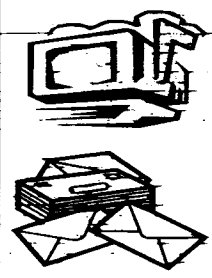
State College and Central Pennsylvania at 91.5 FM
 Altoona/Hollidaysburg area at 106.7 FM
 Treasure Lake area at 95.1 FM

Northern Pennsylvania at 90.1 FM
 Bradford at 100.9 FM
 Clearfield at 104.7 FM



WTFDA  
QSL CORNER/LOGOS RUN

From Bruce F. Elving, 241 Anderson Road, Esko MN 55733-9413



MS Forest WMBU *89.1--came through with both an e-mail and a postal service verification. Both were from Denny Goodwin, D.Min. His e-mail (dennygwin@juno.com) mentioned hearing from people in LA and TX, but not MN! He is a ham and mentioned the sunspot cycle making for interesting contacts. It is a Moody owned and operated station, ~~but is~~ local, live with much of its programming. He promised to look at my web-site (users.aol.com/fmatlas). The written QSL consisted of his writing, on the station's program guide, "Confirming your reception of WMBU-FM 7-21-00; J.D.G." Postal address is WMBU, PO Box 400, Lake MS 39092.

Here's another from Scott Solberg, account rep-announcer on Z-97, KNBZ 97.7 Redfield-Aberdeen SD (PO Box 306, Aberdeen SD 57402-0306):

"We were just as excited to hear from you, regarding the reception of our station. . . Our engineer was glad the reception was good, our office manager was glad the ads ran as scheduled and our program director was just glad we were on the air! . . This IS the furthest distance we are aware of for reception of our station." Mentioned it is on 24 hours, 7 days a week, with most of the programs coming from ABC in Dallas, "but we are live and local Monday through Friday from 6 a.m. to 10 a.m. . . I hope we come in again for you!" Is owned with other local FM stations: KGEM-FM 103.7, KBWS 102.9.

Send by mail at:

Thomas J. Yingling, Jr.,
 221 Pinewood Road,
 Baltimore, MD 21222-2345

E-Mail at:

- KA3TCC@EROLS.COM (attachments)
- KA3TCC@JUNO.COM (text only)

Here you go, a much late column. Send in anything! I can now scan your own typing, and use it real fast. I'm all out of QSL items, send anything!
 73,s Tom

KEPI *88.7 and KEPX *89.5 Eagle Pass TX verified in one letter to my one-letter report of reception of the two co-owned stations. KEPI is in English and KEPX *89.5 Spanish, even for its hourly ID. Gary Lawson, engineer and interim manager KEPX/KEPI at PO Box 873, Eagle Pass TX 78853, mentioned its ownership ties to HCJB short-wave Quito, Ecuador. He found my letter an "encouragement" and it comes from "the longest distance anyone has reported hearing either of the Eagle Pass stations." He sent a copy of my letter to Stan Swanson at KBNL Laredo, who answered and said he is still in radio engineering at the age of 72. Swanson is a long-time subscriber to the "FM Atlas." He is responsible for putting on many of the World Radio Network/HCJB FM stations along the Texas-Mexican border.

WBAL-TV 11 WBAL-DT
 BALTIMORE DIGITAL

From Bruce F. Elving, 241 Anderson Road, Esko MN 55733-9413

MS Forest WMBU *89.1--came through with both an e-mail and a postal service verification. Both were from Denny Goodwin, D.Min. His e-mail (dennygwin@juno.com) mentioned hearing from people in LA and TX, but not MN! He is a ham and mentioned the sunspot cycle making for interesting contacts. It is a Moody owned and operated station, but is local, live with much of its programming. He promised to look at my website (users.aol.com/fmatlas). The written QSL consisted of his writing, on the station's program guide. "Confirming your reception of WMBU-FM 7-21-00, J.D.G." Postal address is WMBU, PO Box 400, Lake MS 39092.

WFXH-FM 106.1 Hilton Head Island SC. Mike Buxser, vp-chief operating officer, 1 St. Augustine Pl, ZIP 29928, writes: "It's a pretty good hike from Hilton Head Island SC to Esko MN. . . We've never gotten a listening report from as far away as you are," although he mentions unusual weather causing long distance reception up and down the coast. He describes the tower in Bluffton SC, which holds two other FM station antennas, with WFXH-FM being the lowest.

WRPS *88.3 Rockland MA. With both WFXH-FM and WRPS I went to web sites and copied their logos or, in the case of WRPS, used a picture of the building with their studios. Those pictures or logos I put at the top of my letter to them and on the envelope.

WIUW *89.5 WARSAW IL Subj: Re: I heard WIUW in the Duluth MN area!
Date: 9/1/00 11:51:32 Central Daylight Time From: Dorie_Vallillo@ccmail.wiu.edu
Sender: Dorie_Vallillo@ccmail.wiu.edu Reply-to: Dorie_Vallillo@ccmail.wiu.edu
To: FmAtlas@aol.com (Bruce F. Elving, 241 Anderson Road, Esko MN 55733-9413)

Dear Bruce: Your email made our day here at WIUM/WIUW. Thanks for taking the time to let us know you heard us. WWKS 91.3 is actually WIUM (WWKS being our former call letters, but not since the 1960's, I believe). Cheers! Dorie Vallillo General Manager

Marvin Sanders, g.m., WATU *89.3 Port Gibson MS replied to my reception report. He is at PO Drawer 3206 Tupelo MS 38803.

I mentioned hearing the WATU calls on the hour plus underwriting announcements for Tuscaloosa, after the news five minutes later, which is out of the WATU area. He says: "Since we are a network, it took me some time to track down the possibilities here. The Tuscaloosa station is licensed to Carrollton AL, and is at 89.3. WATU is automated. . . When we are having problems with the automation, we sometimes ID the station to keep us legal from network headquarters. When that happens our other stations should be broken away doing their own ID. It is conceivable that our Carrollton station, WALN, did not break away, in which case you would hear the network feed. It is possible, too, as you suggest, that you heard both stations. . . I have forwarded your letter to our engineers, since I can't tell an antenna from a tuning fork." So you might call it a "sort-of" verification. [Actually, I list WALN as Parrish AL, 89.1, which I believe it has a construction permit for. But as Marvin says, WALN is still 89.3 Carrollton AL.]
KARZ 107.5 Marshall MN verified. G.M. Brad Strootman, wrote. He is at PO Box 61, ZIP 56258. He says mine is the first written and confirmed report they have received, but have gotten some phone calls from listeners out of the area. Mentioned other stations they own locally: KKCK 99.7, KARL 105.1. Sent two tickets to MN's Renaissance Festival near Minneapolis MN, each worth \$15.

"Rock 104," WXR 104.5 Hattiesburg MS, belatedly verified my report of earlier this summer, with a nice letter. It came from Randy Blakeney, originator, owner, general manager, chief engineer of that station plus a WBNN-FM B95 and WKZW-FM KZ 94, at PO Box 6408 Laurel MS 39441 He thinks my report is the longest distance, and confirms that I did pick up telemetry at 92, "remote control stuff." He says B-95 is the pioneer station that he "gave birth to" in 1985 as a 950-watter, and it increased power to 50 kw in 1989. The other two stations came later. "God has blessed the efforts of these two country boys." He apologized for the delay in answering.

TX Wichita Falls K204CB *88.7 verified by Jeff Luchsinger, at parent station KERA-FM *90.1 Dallas (3000 Harry Hines Blvd, ZIP 75201). He thinks I may be the most distant person to tune in the Wichita Falls translator, which has 250 watts. I commented on them having a stereo signal but monophonic programming, and Luchsinger mentioned when they do have music--an AAA music show Saturday and Sunday nights from 8 to 10. He says KERA-FM has been heard (on 90.1) by a person in the Los Angeles area a year or so ago.

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From Dave Allen:

WTHR Indianapolis, Indiana. Channel 13. Full data verification letter on WTHR letterhead, signed by Al Grossniklaus, Director of Engineering and Operations. Received in 5 days for a reception report and first class stamp (used for return postage). Station address: 1000 North Meridian St., Indianapolis, Indiana 46204.

WITI Milwaukee, Wisconsin. Channel 6. Full data verification letter on WITI letterhead, signed by John J. Baich, Vice-President of Engineering and Operations. Received in 14 days for a reception report and a first class stamp (used for return postage). Station address: 9001 North Green Bay Road., Milwaukee, Wisconsin 53209-1297.

WVTV Milwaukee, Wisconsin. Channel 18. Partial data verification letter on WVTV letterhead and business card, signed by Tom Leidolf, Chief Engineer. Received in 12 days for a reception report and first class stamp. Station address: 4041 North 35th Street., Milwaukee, Wisconsin 53216.

WMVS Milwaukee, Wisconsin. Channel 10. Personal letter on original reception report and business card, signed by David Felland, Director of Engineering. Received in 11 days for a reception report and first class stamp. Station address: 1036 North 8th Street., Milwaukee, Wisconsin 53233.

WWMT Kalamazoo, Michigan. Channel 3. Friendly verification letter on WWMT letterhead, signed by Jim Steffey, Chief Engineer. Received in 17 days for a reception report and a first class stamp. Station address: 590 West Maple Street., Kalamazoo, Michigan 49008.

WLNS Lansing, Michigan. Channel 6. Friendly verification letter on WLNS letterhead, signed by Mike Holcomb, Chief Engineer. Received in 20 days for a reception report and a first class stamp. Station address: 2820 East Saginaw Street., Lansing, Michigan 48912.

WREX Rockford, Illinois. Channel 13. Friendly verification letter on V,REX letterhead, signed by Gerald Meinders, Chief Engineer. Received in 19 days for a reception report and a first class stamp. Station address: 10322 Auburn Road., Rockford, Illinois 61103.

KACB San Angelo, Texas. Channel 3. Verification letter on KACB letterhead and copies of station logs, signed by Ed Huwa, Chief Engineer. Received in 29 days for a reception report, first class priority mail stamp and VHS tape of KACB transmission (tape returned). Station address: 2802 Southwest Boulevard., San Angelo, Texas 76904.

WDJT Milwaukee, Wisconsin. Channel 58. Verification letter on WDJT letterhead, signed by Jim Hall, Station Manager. Received in 10 days for a reception report, photos of WDJT transmission and a first class stamp (used for return postage). Station address: 809 South 60th Street., Milwaukee, Wisconsin 53214.

WFIE Evansville, Indiana. Channel 14. Friendly full data verification letter on a WFIE letterhead and WFIE-TV 14 coffee mug, signed by Kirk A. Williams, Director of Programming and Operations. Received in 6 days for a verification letter, photos of WFIE transmission and a first class stamp. Station address: 11 15 Mt. Auburn Road., Evansville, Indiana 47701.

WRSP Springfield, Illinois. Channel 27. Friendly verification letter on WSRPIWCCU letterhead, signed by William W. Harper, Vice-President and General Manager. Received in 6 days for a reception report, photos of WRSP transmission (returned) and a first class stamp (returned). Station address: 3003 Old Rochester Road., Springfield, Illinois 62703

WBAY Green Bay, Wisconsin. Channel 2. Friendly verification letter on WBAY letterhead, signed by Art Williams, Chief Engineer. Received in 5 days for a reception report and first class stamp (used for return postage). Station address: 11 5 South Jefferson Street., Green Bay, WI 54301.

KENW Portales, New Mexico. Channel 3. Friendly M data verification letter and business card, signed by Rick Counts, Chief Engineer. Received in 20 days for a reception report and first class stamp (used for return postage). Station address: Eastern New Mexico University., 52 Broadcast Center., Portales, NM 88130.

KATC Lafayette, Louisiana. Channel 3. Friendly verification letter on KATC letterhead, signed by Patrick O'Brien, Chief Engineer. Received in 12 days for a reception report, photo of KATC transmission and a first class stamp. Station address: 11 03 Estate Landry Road., Lafayette, LA 70506. KBTX Bryan, Texas. Channel 3. Friendly verification letter on KBTX letterhead, signed by Jon Bemett, Chief Engineer. Received in 37 days for a reception report (returned), photos of KBTX transmission (returned) and a first class stamp. Station address: 4141 East 29th Street., Bryan, TX 77802.

... continued on page 33-->

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A U. S. Television Chronology *(part two)*

(Reprinted and edited, with permission, from data assembled by Jeff Miller. This and other historic broadcast-related items can be found at <<http://members.aol.com/jeff560/jeff.html>>.)

(This timeline of U. S. television broadcasting history is a work in progress. If you can suggest any improvements in this list, please send them to: <JeffM@sanctum.com>.)

Sept. 11, 1928. First play broadcast by television, "The Queen's Messenger," on W2XAD. Video was on 21.4 meters and sound was on 31.96 meters. Sound was also broadcast over WGY radio. The event was reported on page 1 of the New York Times the next day. (During 1928, Ernest Frederik Werner Alexander of General Electric transmitted daily TV tests over W2XAD.)

Sept. 11, 1928. First TV signal in Buffalo, on WMAK in Kenmore.

Late Oct. 1928. W1XAY Lexington MA. (The station was licensed to J. Smith Dodge and C. F. Jenkins. J. Smith Dodge was a former engineer for WNAC and former announcer at WGI. Carl S. Wheeler was also involved in founding the station. Station basically broadcast

WLEX's radio programming. The station remained on the air sporadically until the end of March 1930.

1929. Milton Berle appears in an experimental TV broadcast. Film of the appearance survives.

1929. W2XBS (RCA) begins two-hour daily broadcasts from Van Cortlandt Park.

Mar. 27, 1929. W2XCL Brooklyn NY (Pilot Radio and Tube Corp.) begins operating.

Mar. 30, 1929. Radio Service Bulletin lists these new stations: W9XAO Chicago IL (Nelson Brothers Bond and Mortgage Co.) 2.0-2.1 MHz, 500 watts; W2XCR Jersey City NJ (Jenkins Television Corporation) 2.1-2.2 MHz, 5000 watts; W2XCL Brooklyn NY (Pilot Electric Manufacturing Co.) 2.0-2.1, 2.75 - 2.85 MHz, 250 watts; W2XCO New York (RCA) 2.1-2.2 MHz, 5000 watts; W2XR New York (John V. L. Hogan), 500 watts (visual broadcasting and experimental); W2XCW Schenectady (General Electric) 2.1-2.2 MHz 20,000 watts.

Apr. 30, 1929. Radio Service Bulletin lists these new stations: W1XB Somerville MA (General Industries Co.) 500 watts (experimental and visual broadcasting).

May 11, 1929. The "first regularly scheduled TV broadcasts" begin (one source), three nights per week.

May 31, 1929. Radio Service Bulletin lists these new stations: W9XR Downers Grove IL (Great Lakes Broadcasting Co.) 2.1-2.2, 2.85-2.95 MHz, 5000 watts; W2XCP Allwood NJ (Freed-Eisemann Radio Corp.) 2.0-2.1, 2.85-2.95 MHz, 2000 watts (visual broadcasting and experimental).

June 27, 1929. First public demonstration of color TV, by H. E. Ives and his

colleagues at Bell Telephone Laboratories in New York. The first images are a bouquet of roses and an American flag. A mechanical system was used to transmit 50-line color television images between New York and Washington.

July 1929. WOKO Poughkeepsie NY begins transmitting TV as W2XBU in late July 1929.

July 31, 1929. Radio Service Bulletin lists these new stations: W9XAA Chicago (Chicago Federation of Labor), 6.08, 11.84, 17.78 MHz, 500 watts.

Aug. 31, 1929. Radio World reports WENR radio Chicago receives a license for a 5000 watt TV station (W9XR?).

Sept. 30, 1929. Radio Service Bulletin lists these new stations: W1XAV Boston (Shortwave and Television Laboratory Inc.) 2.1-2.2 MHz, 500 watts; W3XL Bound Brook NJ (RCA Communications Inc.) 2.85-2.95 MHz, 30,000 watts.

Oct. 31, 1929. Radio Service Bulletin lists these new stations: W10XU Airplane (Jenkins Laboratories), 2.0-2.1 MHz, 10 watts; W10XZ Airplane (C. Francis Jenkins), 1.608, 2.325, 3.088, 4.785, 6.335 MHz, 6 watts.

Nov. 30, 1929. Radio Service Bulletin lists these new stations: W9XAP Addison IL (Chicago Daily News), 2.75-2.85 MHz, 5000 watts.

1930. Don Lee's television station opens in Los Angeles.

Jan. 1930. W1XAV Boston.

Mar. 1930. (End of March) W1XAY Lexington MA goes off the air, leaving W1XAV temporarily as the only mechanical TV station in Boston.

Mar. 31, 1930. Radio Service Bulletin lists these new stations: W2XB0 Long Island City NY (United Research

Corporation), 2.0-2.1, 2.75-2.85 MHz, 5000 watts; W8XT East Pittsburgh PA (Westinghouse Electric and Manufacturing Co.), 660 kHz, 25,000 watts.

Apr. 30, 1930. Radio Service Bulletin lists these new stations: W2XAP Jersey City NJ (Jenkins Television Corporation), 2.75-2.85 MHz, 250 watts.

May 22, 1930. An audience at Proctor's Theatre in Schenectady becomes the first to see closed-circuit TV projected onto a big screen.

May 31, 1930. Radio Service Bulletin lists these new stations: W10XAL United States (portable) (National Broadcasting Co.), 2.392 MHz, 50 watts; W10XAO United States (portable) (National Broadcasting Co.), 1.584 MHz, 50 watts.

Aug. 20, 1930. The first demonstration of home reception of television, a half-hour broadcast from the Jenkins station, W2XCR in Jersey City, and the DeForest station W2XCD in Passaic. Two sets were available in public places and one in a press suite.

July 30, 1930. NBC opens W2XBS, New York. W2XBS started as an RCA lab rig in Apr. 1928 and was used for big screen theater tests as early as Jan. 1930. In July 1930 it was put in charge of NBC broadcast engineers.

Nov. 1930. W9XAP Chicago (Chicago Daily News) broadcast the senatorial election returns. Press release claimed it was the first time a senatorial race, complete with charts showing the standings of the candidates as the votes were tallied, was ever televised.

Dec. 13, 1930. Radio World lists W1XY Lawrence MA (Pilot).

(This extensive chronicle of the beginnings of television will continue next month here in "TV TIME TUNNEL".)

Eastern TV-DX

January 2001

Matthew C. Sittel
15013 Eureux Circle
Bellevue, NE 68123
76255.2171@CompuServe.com
Deadline: last day of month

Eastern TV-DX is for reporters from the following states: AL, CT, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT and WV, plus Washington, DC. Also for reporters from the following Canadian provinces: NB, NF, NS, ON, PEI and PQ. Foreign reports are also welcome!

Happy new year! I hope this is a banner DX year for all WTFDA members! Let's start with a review of last year's DX from two reporters.

Jim Ayers, 2497 Wind Forest Court, Norcross, GA 30071

Equipment: Panasonic 19" TV, Channel Master Quantum 1110 VHF at 30 ft., Antennacraft P-7 UHF dish with Winegard PA-4975 preamp at 38 ft. (feedpoint), Alliance HD-73 rotor, RG-8 coax, Hi-Q traps.

11/11 tr		0953	WLMT-30	TN	Memphis	330			
0936	KHOG-29	AR	Fayetteville	577	heavy CCI to local WPBA				
	supered ID with KHBS-40								
0938	WPXX-50	TN	Memphis	331	0959	KBSI-23	MO	Cape Girardeau	384
0950	WPTY-24	TN	Memphis	330	1005	KVTJ-48	AR	Jonesboro	376
	over local LPTV				2310	Tampa, FL	22, 38, 44, 50		

First opening of note since May. It was a really slow DX year in north Georgia.

Robert Seybold, 1865 W. Main Rd., Silver Creek, NY 14136

Equipment: Zenith 13" color TV, Radio Shack combo antenna, low gain, no amps.

Finally a chance to send in a report. I've been busy with running business but still found chance to observe DX. Will condense major part of season and detail recent loggings only.

E-skip was great all season starting in May with best from late June till mid July with one stretch of 14 days in a row with E-skip with at least 2 days where skip stayed in 24 hours in a row with heavy skip on all channels 2-6, letting up just a little in mid afternoon but never dying completely. These were north-south openings, Canada to Gulf Coast at same time, considerable short range E-skip-Carolinas and Tennessee. Saw Mississippi, Texas, Louisiana stations a lot. Cuba made it couple times. There was E-skip in August, September and October-one very recent E-skip opening into Nebraska and Kansas right in the midst of a good tropo opening. Skip was in evening-very strong but short lived.

More recent openings on tropo but tropo was poor all season until October. Some observed in September but not like other years. Period October 25-November 3 consistent tropo into Michigan-Cadillac, Muskegon, Mt. Pleasant, Kalamazoo, grand Rapids, Battle Creek in evening into morning hours. A couple of brief openings into Chicago and Milwaukee but weak and brief. South Bend peaked on two occasions and Fort Wayne and Angola, IN more frequent and consistent. Canadians to west, north and east good through period. Excellent signals out of Detroit, Toledo, Flint, Ann Arbor, Mt. Clemens, Saginaw, not much out of Lansing for some strange reason. Had mystery on Channel 56 with TCT programs parallel to Muskegon 54 both in at once. Signal overrode Detroit (PBS) 56. Almost sure it was Michigan station. Tropo season as a whole was really down here-no stuff at all from Central Illinois, no Madison or Green Bay, no St. Louis, only one opening into Kentucky and southern Ohio, no West Virginia, only recent tropo saved season. E-skip made up for is though. Hope everyone had great season and has Happy Holidays.

That's all for this month... seen any good DX lately? Take a moment and share it with all of us! 73s Matt.

WESTERN TV-DX

January 2001

Dennis Park Smith, 3605 San Remo Drive, Santa Barbara, CA 93105-2523 (805)687-7803

This report is for November 2000. Southern-CA coastal tropo to San Diego/Tijuana up to 200 km/315 km has remained around somewhat, due to somewhat mild weather (not so many storms) and resulting stable periods or air layering, more than usual for this time of year.

Oct 25 am-31: None Cold wx fronts & rain Oct 25-29
Nov 1: Very poor Cooler temps overall
Nov 2: Poor Even colder after Nov. 9
Nov 3: Very poor
Nov 4-8 am: None
Nov 8 eve: Very poor
Nov 9-18: None Nov 9-10 cold & windy
Nov 19: Very poor, improving. High pressure, stable air layering, though remaining cool. UHF poor-fair Nov 19 nite.

Nov 20-21: Poor
Nov 22-23: None Cold weather front
Nov 24-25: Poor Stable though cool
Nov 26-28 am: Fair Some warming
Nov 28 eve: Fair+
Nov 29: Poor
Nov 30 am: Very poor
Nov 30 nite: Fair
New logging and new local on the air, noted Nov 29: K08MP Santa Barbara, with the PAX network.

Best of DX to all. Dennis

William Eckberg, 1032 Sterling Rd., Dixon, IL 61021-9355

November 2000	CST		
11tr	0540	WCFT	33 AL 593
		WJSU	40 AL 585
	0545	WRJM	67 AL Troy 708
	0600	WABM	68 AL 582
	0605	WZDX	54 AL 503
	0610	WTTO	21 AL 582
	0625	WIAT	42 AL 582
	0630	WUPA	69 GA 610
	0700	WTCI	45 TN 512
	0710	WAFF	48 AL 503
		WHNT	19 AL 503
	0715	WAAY	31 AL 503
	0745	KARD	14 LA 651
	0835	WMAW	14 MS 645
	0900	WLMT	30 TN 451
	1335	KASN	38 AR 537
	1345	KSHV	45 LA 681
	1355	KLRT	16 AR 503
	1630	KXNE	19 NE 402
	1800	KYPX	42 AR Little Rock 503

Saturday November 11 produced the most widespread tropo since January 16, 1995. Tropo was into GA and AL early. Tropo later expanded into MS, LA, AR, and even into NE by evening and was gone

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4554
e-mail frank@horizon.sri.com
(650)851-7031

by 1830. Tropo moved from Atlanta to Nebraska throughout the day. Every previous southern opening went from west to east.

Signals fluctuated wildly from snow free to non-existent. I watched Abbott and Costello snowfree for an hour on Little Rock 16. Winter tropo is a delight as close-in signals stay unusually weak, allowing distant tropo to propagate. In contrast, local enhancement blocks much of the summer and fall tropo.

C/Bs and ID were noted for three hours from Troy, AL-67. The signal was almost snowfree at times. At 708 miles and only 60 miles north of the Florida-Alabama border, it was a heartbreaker. Still no signs of FL tropo after 45 years. Several stations have been logged within 60 miles of the border.

Fernando Garcia, San Salvador 415, Rincon de la Sierra Cd Guadalupe, NL, 67181 MEXICO
tropovdx@yahoo.com.mx,
FTD is furthest tropo of the day.
TSLD Total of stations logged of the day.

Equipment: Sony KV-27EXR15, Screened CM 7'dish 85' RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60' .1800' ASL, No re-logs in the same month, only tropo 500+ miles.

November 1			
0600	KXTX	39 TX Dallas	518
November 6			
2200	WNOL	38 LA New Orleans	694
November 7			
1830	KDXT	58 TX Dallas	518
November 9			
0630	KVHP	29 LA Lake Charles	530
		semi-local off.	
November 10			
2100	WTTA	38 FL St. Petersburg	1116
	WBHS	50 FL Tampa	1116
	WMOR	32 FL Lakeland	1135
	WOPX	56 FL Melbourne color	1189
2330	KADN	15 LA Lafayette	586
November 11			
0000	KLPB	24 LA Lafayette	567
2100	WLAE	32 LA New Orleans	694
	WPXL	49 LA New Orleans	688
	WGNO	26 LA New Orleans	694
2130	WPML	15 AL Mobile	838
2200	WHNO	20 LA New Orleans	688
2230	KLTL	18 LA Lake Charles	548
	WVLA	33 LA Baton Rouge	633
2300	WAPT	16 MS Jackson	754
2330	WMAH	19 MS Biloxi	770
	WBSF	43 FL Melbourne	1200
	WTGL	52 FL Cocoa	1200
November 12			
0230	WFTX	36 FL Cape Coral	1142

Western TV DX *F. Garcia's report continues*

Day 300 with openings to 1,100 miles since March of 1992, an average of 2.9 days per month.
0400 WEIQ 42 AL Mobile 825
November 26
0830 unid 41 TX? Corpus Christi?

Shopping, America's store, other area lptv's in.

Number of days with logs	Number of stations into log
AL 2	AL 2
FL 3	FL 7
LA 5	LA 10
MS 2	MS 2
TX 12	TX 2

This month continued with low activity of tropo openings. Pacific Ocean continues producing a great amount of clouds reaching to this and Gulf of Mexico area, also cold fronts are dropping temperatures down into the 40's.

Worst month of the year for logs from Louisiana (530-705 miles range) only 5 days. Also worst month for number of logs of 500+ miles (23) since June of 1994.

This month the good openings of days 10-12 occurred during late night into first hours of next day, by 6 AM it was almost dead, this is contrary to what it usually is.

Eric Bueneman (N0UIH), 631 Coachway Lane, Hazelwood, MO 63042-1347
Phone: (314) 839-9751 E-mail: N0UIHeric@aol.com
Web site: <http://www.qsl.net/n0uih/index.html>

Equipment: Alaron 12-inch (30 cm) black and white TV, Radio Shack VU-210XR with RS Archerotor at 28 feet (8 meters) above ground level.
All times CDT/CST, all distances in miles/km.

August 30, 2000 (tropo)
2339 WFTC 29 MN Minneapolis/St. Paul "Fox 29" 450/724
2331 KTTC 10 MN Rochester (over WGEM) 380/612
2345 KMWB 23 MN Minneapolis/St. Paul "WB 23" 450/724
2359 KVBM 45 MN Minneapolis/St. Paul 450/724
August 31, 2000 (tropo)
0005 WHLA 31 WI La Crosse 350/563
November 11, 2000 (tropo)
0654 WBXX 20 TN Crossville "WB 20" 355/571
0658 WPXK 54 TN Jellico 375/604
0700 WCFT 33 AL Tuscaloosa "ABC 33/40" 415/668
0710 WAAV 31 AL Huntsville 350/563
0717 WHNT 19 AL Huntsville "News Channel 19" 350/563
0729 WNPX 28 TN Cookeville 325/523
0737 WAFF 48 AL Huntsville 350/563
0810 WZDX 54 AL Huntsville 350/563
0811 WDSI 61 TN Chattanooga 385/620
0815 WLTZ 38 GA Columbus 530/853
0816 WIIQ 41 AL Demopolis APT 455/732
0817 WJSP 28 GA Warm Springs GPTV 515/829
0826 WHIQ 25 AL Huntsville 350/563
0827 WJSU 40 AL Anniston "ABC 33/40"

28

(through K40FF) 430/692
0830 KSNF 16 MO Joplin 250/402
0837 WIAT 42 AL Birmingham 415/668
0855 WPTY 24 TN Memphis (through KNLC) 250/402
0858 WTTO 21 AL Homewood (mixing w/ unID DTV snow) 415/668

Some leftover logs from August, which were cut out for space reasons. The big surprise of August 30 was Minneapolis/St. Paul being in for the first time. Starting on FM, it worked its way up to UHF by 2330, when I noted WFTC-29. KMWB-23 was also noted (with a different logo from the other "WB 23", WBUI Decatur, IL), and KVBM-45 IDed just before going into home shopping at midnight. The only other MN station noted was KTTC-10. WHLA-31 was also noted from La Crosse, WI.

The tropo on November 11 was a big surprise. When I noted WBXX-20, I knew that the tropo was to the southeast. My first big surprise was receiving a Fox affiliate on 39 other than Rockford; it turned out to be WEMT Greeneville, TN. This is the first time I've received a TV station east of Knoxville via tropo! Alabama was present in this opening again; WJSU-40 was noted for the first time in several years, and also added WTTO-21 and WIIQ-41 to my Alabama logs. The opening even got into west central Georgia. Noted WLTZ-38 for the first time since January 1995, and my first GPTV station in WJSP-28. Many of the Alabama and Georgia stations seen were tropo regulars when I lived in Woodstock and Marietta, GA (1988-92). WPTY-24 managed to squeak in through local KNLC; the only MO station in outside of St. Louis and Columbia/Jefferson City was KSNF-16.

73, Eric (N0UIH)

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

October 2000 CT
No DX!
November 2000
2 tr 0700 WTJP 60AL 390
3 tr 0715 WJSP 28GA GPTV 390
10 tr 2122 KLRT 16AR Fox 16 305
KATV 7 AR 305
KTHV 11AR 305
2209 KASN 38AR UPN 270
2256 WHDF 15AL "UPN 15," ID 360
11 tr 0957 KLRT 16AR 305
12 tr 2329 WFSU 11FL 405
17 tr 1846 WABW 14GA GPTV 420
1928 WFSU 11FL ID 405
2030 WAWS 30FL Fox 565
WTEV 47FL
2054 WAWD 58FL "Beach TV," ID 260

A pathetic, atypical Fall so far. Station total at 558.

Western TV DX

Matthew C. Sittel, 15013 Eureax Circle, Bellevue, NE 68123 76255.2171@CompuServe.com
<http://ourworld.compuServe.com/homepages/Msittel/beltdx.htm>
Equipment: Winegard PR-9032 UHF antenna at 35', Winegard AP-4700 UHF pre-amp., Winegard PR-5030 VHF antenna at 32', MFC traps for channels 3, 6, 7 and 26.
November 10, 2000 tropo
1614 KSNF 16 MO Joplin 287
1619 10/47 MN Rochester 248
1629 10/21/33 MO Springfield 312
1630 KDEB 27 MO Springfield 314
1820 KWBS 34 AR Eureka Springs 338
1824 KDOR 17 OK Bartlesville 317
1824 KOKI 23 OK Claremore 325
1829 WCFT 33 AL Tuscaloosa, 33/40 703
1904 KWBT 19 OK Muskogee 369
2156 WCOV 20 AL Montgomery, Fox 20 807
2228 KBSI 23 MO Cape Girardeau 425
2359 WMPN 29 MS Jackson, ETV 686
November 11, 2000 tropo
0016 WDBD 40 MS Jackson, local ad 684
0626 WBXX 20 TN Crossville, WB20 714
0632 WPXK 54 TN Jellico, PAX 716
0634 WJSU 40 AL Anniston, /WCFT 735
0629 WGBC 30 MS Meridian, 24/30 726
0638 WAAV 31 AL Huntsville, ABC 674
0649 WGIQ 43 AL Louisville, APT 871
0650 WHIQ 25 AL Juntville, /I43 675
0658 KMIZ 17 MO Columbia 240
0703 WLTZ 38 GA Columbus, NBC 853
0714 WCTE 22 TN Cookeville 665
0735 WTTO 21 AL Homewood, WB 726 (WTTO is TV logging #500!)
0758 WHNT 19 AL Huntsville, nx 674
0759 WUXP 30 TN Nashville 595
0806 KDNL 30 MO St. Louis 344

The most extensive long-haul tropo noted since I moved here surprised me on November 10-11. The weather didn't seem conducive for such an event... overcast skies and temperatures near freezing with a bit of snow cover! It just goes to show you that you never know exactly what the atmosphere will do! WGIQ is my furthest tropo logging so far here.
73, Matt.

Jeff Kadet, K1MOD, Box 20, Macomb, IL 61455
jkadet@macomb.com Following listings abbreviated
August 29, 2000
2320 KSTP-DT 50 342
K88BJ 68 MN Redwood Falls KARE-11
W64AC 64 MN Redwood Falls KTCA-2
K69DP 69 MN Granite Falls & 67 MN STV
K60FY 60 & K65FW MN Frost; 273
K30FN 30 MN St. James KSTP-5 322
0213: KTVG 17 (427) & K22CX 22 & K56FC
0244 K15CZ 15 (254) & KLKE 24 NE w/KOMU
0429 K57GY 57 NE Omaha; w/KPTM-42 293
0650 WWR5 52 (237) + Upper Middle MI
W66DC 66 WI Waupaca TBN 287
August 30, 2000
Massive sigs from Twin Cities 62,67,69
KSTP-DT 50, WFTC-29 xtrs on 54/68
KMSP-DT 26 no decode due CCI WKOW-DT

2130 K34AF 45 MI Gaylord FOX in color
K40BR 34 MN Alexandria KVRR-15
unID 54 MN Willmar WFTC-29 392
68 MN WFTC-29
2158 K62FG 36 MN Willmar KMWB-23 392
2205 K66DN 52 MN Willmar weather 392
K53FD 53 IA IA Falls CW ID 1/min
August 31, 2000
0015 unID 54? not K54AF? KEYC-12
0144 unID 62 to NNW, vertical bars
1030 CHCH2 51 ON London
1100 CFMT1 69 ON London
CBEFT 54 ON Windsor
September 1, 2000
WXYZ-DT 41 MI Detroit 410
WWJ-DT 44 MI Detroit 410
TPs from Ontario ch 68,61,54 & 51-London (ON)
Tulsa U's including ch 69
September 5, 2000
KPXJ 21 LA Minden PAX
45 LA Shreveport also AR & OK
KLAX 31 LA Alexandria o/WMBD 623
51 & 56 TX (North) -640
KKYK 49 AR El Dorado ACN shop 516
KLTS 24 AR Shreveport CB TP 567
22 AR Little Rock ACN
September 7, 2000
0306 WPXJ 51 NY PAX 667
0330 W32AR 32 OH Lexington TBN
WIVT 34 NY 773
0345 WOCB-LP 39 OH Marion TBN 396
WOLF 56 PA 770
0430 WEWS-DT 15 OH Cleveland 474
(shows a bug that looks like "WEWS 5.1")
0455 WETK 33 VT 932
0600 WCFE 57 NY 903
Canadians on 27,40,41,42,47,45,51,54,57,61,68
September 18, 2000
KTTC-DT 36 MN Rochester b4 IA PBS 264
October 30, 2000
Landed up getting five video carriers from New Zealand, but none were strong enough to hit video (but 45,250 was close). Two on 45.24, One on 45.25, Two on 45.26. Also had Australia on 46.171, but a lot weaker.
November 10, 2000
2215 WRJM 67 AL Troy 615
2230 WNCB 32 AL 610
2239 WDTA-LP 53 GA Atlanta 575
November 11, 2000
0020 KSHV 45 LA 682
WDFX 34 AR 741
0031 WABW 14 GA 688
WDCC 29 GA
Got WATC-57 well enough for a color pic.
0100 WGXA 24 GA 662
0210 WTXL 27 FL 781
WLTZ 38 GA 639
WXTX 54 GA 639
WMGT 41 GA 662
1000 WPMI 15 AL 700
WMPV 21 AL 703
1045 WALA 10 AL 700
1110 KQAY 11 LA 582
KLAX 31 LA 623
1250 KTVV-LP 63 AR Hot Springs KKYK 431
KHSB 67 TX 800
KZJL 61 TX 800
November 15, 2000
WGEM-DT 54 IL Quincy 50

29

SOUTHERN FM DX



For DXers in AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, TX, UT, VA, WV, Cuba & Mexico

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
Jpzondlo@aol.com
Deadline: 10th

January 2001

Pat Dyer - WA5IYX

5315 Silvertip Dr. - San Antonio, TX 78224-2744

pidyer3@juno.com - pidyer@swbell.net

<http://home.swbell.net/pidyer/index.html>

<http://www.qsl.net/wa5iyx/index.html>

CST

1979 Realistic TM-1001 tuner (1990 2 IF mod w/150 kHz filters) into Allied 426 (1972); 1999 Conrad RDS Manager; 52 ohm step-attenuator box used to reduce local intermod/overload when needed; 1977 six element Archer 15-1636A antenna at 20' w/rotor; 1950's (tube) Narco Omnigrator used for the navaid (ILS/VOR) loggings.

7/22 Tr

0548 WCKW 92.3 LA LaPlace, "The Point" 473
0550 KSMB 94.5 LA Lafayette, RDS ID 387
0554 KXKC 99.1 LA New Iberia, area ad 412
0555 KTDY 99.9 LA Lafayette, ID 412
0557 KUMX 104.1 LA Houma, "Mix 104.1" 473

7/24 Es

0533 KXRA 92.3 MN Alexandria, "KX-92" 1150
0534 KSEZ 97.9 IA Sioux City, local ad 907
0546 WERN 88.7 WI Madison, RDS ID 1064
0546 KUSD 99.7 SD Vermillion, RDS ID 942
0558 KOEL 92.3 IA Oelwein, ID 986
0600 KQRS 92.5 MN Golden Valley, area ad 1118
0601 KIAQ 96.9 IA Clarion, RDS ID 943
0606 WVIK 90.3 IL Rock Island, ID 949
0609 KTTN 92.3 MO Trenton, area ad 785
0611 KIKM 93.5 IA Burlington, area ad 890
0615 KORB 93.5 IA Bettendorf, "93-Rock" 955
0615 WXLN 96.9 IL Moline, area ad 939
0618 WHLP 90.3 WI LaCrosse, ID 1066
0621 KCRR 97.7 IA Grundy Center, area ad, ID 944

0622 WRQT 95.7 WI LaCrosse, local ad 1059
0630 KNMO 97.7 MO Nevada, ID, local/area ads 627
0633 KBOW 96.9 KS Pittsburg, RDS ID 584
1028 XETRA 91.1 BCN Tijuana, "91-X" 1112

7/25 Es

1328 XETRA 91.1 BCN Tijuana, ID, "91-X" 1112
1330 XHITZ 90.3 BCN Tijuana, "Jammin' Z-90" 1112
1332 KBZT 94.9 CA San Diego, "K-Best" 1126
1333 KFMB 100.7 CA San Diego, "Star 100.7" 1126
1348 KHAY 100.7 CA Ventura, ID, k 1260
1350 KMZT 105.1 CA Los Angeles, c 1188

1352 KDB 93.7 CA Santa Barbara, c. RDS ID 1281
1352 KCLB 93.7 CA Coachella, area ad 1078
1355 KLOS 95.5 CA Los Angeles, ID 1187
1356 KCBS 93.1 CA Los Angeles, regional ID 1188
1358 KCMG 92.3 CA Los Angeles, "Mega 92.3" 1187
1402 KTWV 94.7 CA Los Angeles, ID, "The Wave" 1187

1403 KLKX 93.5 CA Rosamond, "The Quake" 1208
1405 KDUC 94.3 CA Barstow, "Pure Gold" 1142
1407 KRME 97.7 CA Shafter, ID 1265
1418 KQOL 93.1 NV Las Vegas, RDS ID 1079
1420 KOMP 92.3 NV Las Vegas, ID 1079
1426 KILA 90.5 NV Las Vegas, town ID 1052

7/26 Es

1729 KMGW 94.5 WY Casper, "Star 94" RDS ID 1012
1730 KWYV 95.5 WY Casper, "KWYV," area wx 1012
1730 KCSP 90.3 WY Casper, "Pilgrim" RDS ID 1012
1731 KIGN 97.9 WY Cheyenne, "King" 881
1742 KFRZ 92.1 WY Green River, RDS ID 1025
1745 KHHH 95.7 CO Denver, RDS ID 803
1746 KTAG 97.9 WY Cody, RDS ID 1189
1749 KTAK 93.9 WY Riverton, local ad 1058
1756 KTRZ 93.1 WY Riverton, RDS ID 1056
1759 KKMG 98.9 CO Pueblo, "Magic FM" 706
1800 KRAI 93.7 CO Craig, RDS ID 919
1801 KJYE 92.3 CO Grand Junction, RDS ID 880
1801 KRKS 94.7 CO Boulder, rei 814
1803 KIQZ 92.7 WY Rawlins, ID 976
1813 KVRJ 92.3 CO Salida, ID 754
1814 KSJZ 93.3 ND Jamestown, RDS ID 1197
1819 KMGJ 93.1 CO Grand Junction, local ad 876
1822 KMTS 99.1 CO Glenwood Springs, local ad 855
1828 RIL 110.6 CO Rifle, VOR, Morse tone ID 866
1831 SXW 109.2 CO Eagle, VOR, Morse tone ID 848
1832 VEL 106.2 UT Vernal, VOR, Morse tone and voice ID 971

1838 IACD 109.7 CO Grand Junction, ILS, Morse ID 873

1901 KBZN 97.9 UT Ogden, "The Breeze," smooth j 1089

1903 KUBL 93.3 UT Salt Lake City, "The Bull," RDS ID 1089

1907 KCPX 105.7 UT Centerville, ID 1089
1938 KOMP 92.3 NV Las Vegas, ID 1079
1944 KQOL 93.1 NV Las Vegas, RDS ID 1079
2002 KILA 90.5 NV Las Vegas, ID 1052

7/29 Es

0946 WKEY 93.5 FL Key West, local ads 1090
0947 WWUS 104.1 FL Big Pine Key, RDS ID 1108
0953 WRAU 106.3 FL Key Largo, //107.9 1155
0959 WFKZ 103.1 FL Plantation Key, ID, "Sun 103.1" 1149

1000 WCCL 97.7 FL Punta Rassa, c 1038
1005 WRLA 107.9 FL Key West, //106.3 1101
1006 WPIK 102.5 FL Summerland Key, "Pickin'" 1099

1007 WUIS 107.1 FL Key West, "Island 107" 1088
1011 QYV 108.6 FL Naples, VOR, Morse tone ID 1053

1022 WARO 94.5 FL Naples, "Arrow 94.5," RDS ID 1052

Southern FM DX

Dyer continued

1038 WOLZ 95.3 FL Fort Myers, local ad, "Oldies 95" 1042
1041 WINK 96.9 FL Fort Myers, RDS ID 1041
1045 WHQT 105.1 FL Coral Gables, "Hot 105," area wx 1149

1047 WXKB 103.9 FL Cape Coral, "B-103.9" 1039
1048 WHPT 102.5 FL Sarasota, area ads 1001
1050 WCKT 107.1 FL Lehigh Acres, area ad 1048
1052 WDRR 98.5 FL San Carlos Park, j 1042
1052 WIRK 107.9 FL West Palm Beach, ID 1145
1055 WKGR 98.7 FL Fort Pierce, area ad 1118
1059 WAVV 94.7 FL Gifford, ID, "Wave Country" 1113

1101 WFLZ 93.3 FL Tampa, RDS ID 996
1102 WMBX 102.3 FL Jensen Beach, "Mix 102.3" 1125

1104 WGYL 93.7 FL Vero Beach, ID 1111
1106 WMTX 100.7 FL Tampa, "Mix 100.7" 968
1107 WWLL 105.7 FL Sebring, RDS ID 1051
1110 WFJO 101.5 FL St. Petersburg, "Low Joe," area ads 994

1114 WSSR 95.7 FL Clearwater, "Star 95.7" 974
1117 WWRM 94.9 FL Tampa, area PSA 997
1120 WWKA 92.3 FL Orlando, local ad 1058
1122 WMMO 98.9 FL Orlando, ID 1041
1126 WTKS 104.1 FL Cocoa Beach, area ad 1059
1128 WLOQ 103.1 FL Winter Park, RDS ID 1037
1132 WOMX 105.1 FL Orlando, "Mix 105.1" 1059
1136 WHTQ 96.5 FL Orlando, local ad 1059
1138 WOGK 93.7 FL Ocala, local ad 994
1141 WTRS 102.3 FL Dunnellon, ID 975
1142 WNFV 94.3 FL Lake City, ID, "Mix 94" 943
1143 WQIK 99.1 FL Jacksonville, RDS ID 1021
1144 WKQL 96.9 FL Jacksonville, "Cool 96.9" 1022

1154 WSOL 101.5 GA Brunswick, area ad 1009
1159 WIXV 95.9 GA Savannah, "I-95" 1039
1223 WMOQ 92.3 GA Bastwick, area ad 930
1225 WRFG 89.3 GA Atlanta, RDS ID 883
1228 WKRR 92.3 NC Greensboro, local ad 1174
1237 WXRA 94.5 NC Eden, area ad 1181
1243 WSLC 94.9 VA Roanoke, RDS ID 1188
1248 WJOT 91.9 TN Knoxville, ID 963
1251 WXLK 92.3 VA Roanoke, local ad 1188
1253 WPCW 94.9 GA Atlanta, "Peach" 890
1301 WZZB 93.9 KY Burnside, ID, "B-93.9" 972
1310 KJJC 92.3 LA Rayville, area ad, "Cool 92.3" 448

1315 WDEF 92.3 TN Chattanooga, "Sunny 92.3" 866

1319 WKGL 97.7 AL Russellville, "KGL," area ad 728

1320 WTCD 96.9 MS Indianola, "Super Talk Mississippi" 553
1343 WCRC 95.7 IL Effingham, ID 877

1403 WCMU 89.5 MI Mt. Pleasant, RDS ID 1236
1406 WLQI 97.7 IN Rensselaer, RDS ID 1022
1438 WKLH 96.5 WI Milwaukee, local ad 1110
1558 WOSQ 92.3 WI Spencer, ID 1152
1701 KJYE 92.3 CO Grand Junction, RDS ID 880
1704 WRJO 94.5 WI Eagle River, area ad 1257
1709 KBZN 97.9 UT Ogden, "The Breeze" 1089
1710 KUBL 93.3 UT Salt Lake City, state ID 1089
1712 KRAI 93.7 CO Craig, RDS ID 919

7/30 Es

0728 WLAV 96.9 MI Grand Rapids, RDS ID 1182
0729 WKLQ 94.5 MI Holland, RDS ID 1160
0735 WBEZ 91.5 IL Chicago, ID 1053
0735 WCMU 89.5 MI Mt. Pleasant, RDS ID 1236
0735 WLUP 97.9 IL Chicago, "The Loop" 1054
0741 WONU 89.7 IL Kankakee, RDS ID 1006

January 2001

0807 WLHT 95.7 MI Grand Rapids, ID 1178

0812 WXLK 92.3 VA Roanoke, "K-92," area ads 1188

0822 WLJA 93.5 GA Ellijay, ID 899
0825 WXRA 94.5 NC Eden, ID 899
0830 WFMX 105.7 NC Statesville, ID 1128
0944 KCMG 92.3 CA Los Angeles, "Mega 92.3" 1187

0948 KLOS 95.5 CA Los Angeles, regional ID 1187

0949 KPFB 90.7 CA Los Angeles, ID 1188
0953 KCLB 93.7 CA Coachella, RDS ID 1078
1005 XHITZ 90.3 BCN Tijuana, area ads 1112

7/31 Es

1755 WQSL 92.3 NC Jacksonville, "Q-92" 1280

An immense July of Es here. Many mornings the intense in-state tropo would mask any fainter Es. The pre-dawn July 24 Es is rare, especially this late in the season. July 5 had 144 Mhz Es 1745-1755 into Ohio. The extremely short skip of July 29 wasn't fully appreciated until I reviewed the tapes and found that Louisiana station in there! At 448 miles that is now the shortest-range Es that I've come across in some 30 years of this.

Brief 2m Es was also noted to Nevada c. 2145 on July 16. As usual, most of the ILS (instrumental landing system) navaid stations are beamed within a few degrees of my azimuth from them (e.g. IRNX Peoria aims at 219 degrees vs my 216 degrees). About 30 minutes after logging CYY on July 29 the power supply for the Narco Omnigrator started smoldering. Later checks could find no obvious fault(s), but it hasn't been utilized since then. A Narco Mark-12B was in the process of being made ready as a replacement anyways.

8/3 Es

1146 BCCL 93.5 ON London, RDS ID 1334
1152 CIMX 88.7 ON Windsor, "89-X" 1235
1154 WXRA 94.5 NC Eden, "Carolina Super Station" 1181

1158 CIDR 93.9 ON Windsor, "River" RDS ID 1235
1614 WSSR 95.7 FL Clearwater, area ad 974
1615 WGLF 104.1 FL Tallahassee, area ad 875
1628 WLJA 93.5 GA Ellijay, area nx 899
1637 WRWA 88.7 AL Dothan, RDS ID 784
1638 WTWX 95.9 AL Guntersville, local ad 796
1639 WBZY 94.5 GA Baxley, ID, "Z-94" 972
1643 WGST 105.7 GA Canton, area ad 887
1646 WIBB 97.9 GA Fort Valley, ID, "Mid GA Jams" 904

1648 WVOH 93.5 GA Hazelhurst, local ad 966
1651 WBBC 93.5 VA Blackstone, RDS ID 1297
1653 WNGC 106.1 GA Toccoa, ID 953
1657 WIKOR 94.9 MS Columbus, area wx 669
1658 WMXL 94.5 KY Lexington, RDS ID 1007
1658 WSPJ 98.3 KY Paintsville, k, ID 1073
1700 WYGE 92.9 KY London, RDS ID 995
1703 WVAS 90.7 AL Montgomery, RDS ID 757
1706 WLIL 93.5 TN Lenoir City, ID 939
1712 WXBQ 96.9 TN Bristol, ID 1067
1714 WDDO 96.5 TN Chattanooga, RDS ID 869
1725 WTFM 98.5 TN Kingsport, ID, area/local ads 1067

1726 WKRR 92.3 NC Asheboro, area ads 1174
1729 WIFX 94.3 KY Jenkins, "Foxy 94" RDS ID 1053

Southern FM DX

1731 WKLD 97.9 AL Oneonta, local ad 774
 1732 WGIC 98.5 TN Cookeville, "Magic 98.5" 890
 1734 WJNV 99.1 VA Jonesville, ID 1022
 1742 WTNJ 105.9 WV Mt. Hope, ID 1153
 1746 WKKT 96.9 NC Statesville, "Kat Country" 1117
 1747 WKSI 98.7 NC Greensboro, "The Point" RDS ID 1176
 1748 WSPA 98.9 SC Spartanburg, "Lite Rock," area ads 1027
 1755 WPEG 97.9 NC Concord, area ad 1094
 1759 WCXL 104.1 NC Kill Devil Hills, "Beach 104.1," ID 1400
 1812 IFTY 109.1 GA Atlanta, ILS, Morse tone ID 881
 1815 WLNK 107.9 NC Charlotte, "The Link" 1092
 1829 WMIT 106.9 NC Black Mountain, "Inspirational" 1040
 1831 WRDU 106.1 NC Wilson, "RDU" 1262
 1832 WOLI 103.9 SC Easley, area ad 1007
 1834 WTQR 104.1 NC Winston-Salem, ID 1157
 1835 WFMX 105.7 NC Statesville, ID 1128
 1839 WEND 106.5 NC Salisbury, area ad 1127
 1846 WSLC 94.9 VA Roanoke, RDS ID 1188
 1941 WPTM 102.3 NC Roanoke Rapids, area PSA 1301
 1942 WRSF 105.7 NC Columbia, area wx 1368
 1953 WVEE 103.3 GA Atlanta, town ID 888
 1958 WNCT 107.9 NC Greenville, ID 1299
 2002 WAKG 103.1 VA Danville, local ad 1217
 2008 WNHV 92.3 NC Nags Head, town ID 1404
 2009 WWOV 94.5 NC Hatteras, "Water Country" 1380
 2028 WXXM 97.7 SC Georgetown, "Mix 97.7" 1184
 2032 WSKX 92.3 GA Hinesville, Braves bb 1034
 2039 WTCJ 105.7 IN Tell City, cross promo for "97-X" 897
 2041 WGZB 96.5 IN Corydon, "B-96" 940
 2047 WULF 94.3 KY Hardinsburg, area PSA 915
 2047 WTRI 94.9 IL Mount Carmel, area ad 873
 2051 WTTT 92.3 IN Bloomington, area ad 986
 2058 WFCJ 93.7 OH Miamisburg, 1071
 2111 WHTY 93.5 IN Hartford City, "east central IN" 1059
 2111 WHTI 96.7 IN Alexandria, "W-HIT" 1038
 2116 WJTW 93.5 IL Joliet, "Star 93.5" 1019
 2135 KBPR 90.7 MN Brainerd, RDS ID in text block 1190
 2157 WNIZ 96.9 IL Zion, c 1080
 2215 KRXL 94.5 MO Kirksville, "The X" 822
 2220 KIAQ 96.9 IA Clarion, state ID 943
 2223 KOEL 92.3 IA Oelwein, ID 986
 2225 KOKZ 105.7 IA Waterloo, RDS ID 963
 2236 KIQW 107.3 IA Forest City, RDS ID 991
 2242 KLTi 104.1 IA Ames, area ad 897
 2242 KAZR 103.3 IA Pella, "Lazer 103.3" 884
 2245 KQQL 107.9 MN Anoka, "Kool 108" 1131
 2255 KSTP 94.5 MN St. Paul, "KS 95" 1118
 8/4 Tr
 0009 KNRG 92.3 TX New Ulm, ID, "Texas Thunder" 127
 8/4 Es
 0818 WXBQ 96.9 TN Bristol, area ad 1067
 0820 WTFM 98.5 TN Kingsport, same area ad! 1067
 0825 WQUT 101.5 TN Johnson City, ID 1050
 0826 WSLC 94.9 VA Roanoke, RDS ID 1188
 0830 WXLK 92.3 VA Roanoke, rk, "K-92" 1188
 0837 WZZB 93.9 KY Burnside, "B-93" 972
 0840 WTNJ 105.9 WV Mt. Hope, area PSA 1153
 0841 WKXD 106.9 TN Monterey, RDS ID 901
 0845 WPAV 104.1 OH Portsmouth, ID 1095
 0854 WBOZ 104.9 TN Woodbury, area ad 846
 0856 WTCR 103.3 WV Huntington, ID 1113
 0858 WJUZ 104.1 TN Carthage, local ad 872
 0900 WBLG 107.1 KY Smiths Grove, local ad 879

January 2001

0911 WVPN 88.5 WV Charleston, "WVPR-CH5" RDS ID 1145
 0926 IPAH 108.5 KY Paducah, ILS, Morse tone ID 772
 0959 KCPI 94.9 MN Albert Lea, ID, "I-95" 1018
 1005 KIAQ 96.9 IA Clarion, RDS ID 943
 1006 WRLS 92.3 WI Hayward, town ID 1204
 1007 KQWC 95.7 IA Webster City, local phone # 935
 1008 KREW 98.1 MN Blue Earth, area ad 1010
 1014 WEGZ 105.9 WI Washburn, area ad 1257
 1018 WIXK 107.1 WI New Richmond, area ad 1128
 1022 KQQL 107.9 MN Anoka, "Kool 108" 1131
 1025 KWNG 105.9 MN Red Wing, area ad 1091
 1027 KKCB 105.1 MN Duluth, "B-105," local ads 1245
 1029 KIOV 107.3 IA Forest City, RDS ID 991
 1032 WXPt 104.1 MN St. Louis Park, WCCO promo 1108
 1035 WJCH 91.9 IL Joliet, RDS ID 1007
 1039 WNXR 107.3 WI Iron River, area ad 1240
 1043 K292EZ 106.3 MN Duluth, KZIO ID 1244
 1045 WEVR 106.3 WI River Falls, local ad 1112
 1050 KZCR 103.3 MN Fergus Falls, RDS ID 1180
 1055 KKEQ 107.1 MN Fosston, "Q-107" 1258
 1057 KBPR 90.7 MN Brainerd, RDS ID in text block 1190
 1058 WLSL 93.7 WI Three Lakes, area ad 1235
 1059 WTBX 93.9 MN Hibbing, local/area ads 1273
 1059 WWJO 98.1 MN St. Cloud, "98-Cntry" RDS ID 1155
 1104 WMFG 106.3 MN Hibbing, area ads 1274
 1106 KMfy 96.9 MN Grand Rapids, local ad 1260
 1106 KHBT 97.7 IA Humboldt, area death notices 947
 1108 WMPL 93.5 MI Hancock, Limbaugh 1244
 1111 KRAQ 195.7 MN Jackson, local ad 998
 1114 WHMH 101.7 MN Sauk Rapids, "Rockin' 101" 1138
 1103 KKOK 95.7 MN Morris, ID 1125
 1131 WRJO 94.5 WI Eagle River, ID 1257
 1132 KKWQ 92.5 MN Warroad, "KQ-92," area ad 1349
 1135 WVIC 92.7 MI Charlotte, c 1188
 1136 KKCQ 96.7 MN Bagley, area PSA 1264
 8/5 Es
 1001 WAUS 90.7 MI Barrien Springs, RDS ID 1171
 1008 WCMU 89.5 MI Mt. Pleasant, RDS ID 1236
 1009 WLAV 96.9 MI Grand Rapids, RDS ID 1182
 1011 WOOD 105.7 MI Grand Rapids, "EZ-105.7" RDS ID 1167
 1017 WBLV 90.3 MI Twin Lake, RDS ID 1192
 8/11 Tr
 0302 KSMB 94.5 LA Lafayette, DI 387
 8/12 Ms
 1415 KOOL 94.5 AZ Phoenix, local ad 837
 8/15 Es
 1524 WXLK 92.3 VA Roanoke, local ad 1188
 8/18 Tr
 0651 KROK 92.1 LA DeRidder, "The Wave" 319
 0742 KWVP 105.7 LA Leesville, local ad, k 335
 0745 KJAE 93.5 LA Leesville, local ad 337
 0748 KUEZ 99.3 TX Lufkin, RDS ID 265
 0757 KTUX 98.9 TX Carthage, area ad 338
 0812 WLNF 95.3 MS Lumberton, area ad 577
 8/20 Es
 1920 KJYE 92.3 CO Grand Junction, RDS ID 880
 1933 KUBL 93.3 UT Salt Lake City, "The Bull" RDS ID 1089
 1937 KYFO 95.5 UT Ogden, rel 1118
 1939 KMGJ 93.1 CO Grand Junction, local ads 876
 1941 ?? 96.9 ?? ??, translator of KMGJ
 1953 KBZN 97.9 UT Ogden, area ad, j 1089

Southern FM DX

Dyer continued
 8/30 Tr
 0039 WSJZ 94.9 LA Reserve, ID 480

An impressive first few days of August FM Es here. It provided much QRM for the debut of nearby KBEJ-2 near Fredericksburg! 144 MHz was reached August 3 1850-1925 into GA and NC and August 4th very briefly into OH at 0930. With the Narco Omnigator out of service several ILS/VOR catches were likely missed on those two dates as well. 73, Pat - WA5IYX

Eric Bueneman - N0UIH

631 Coachway Lane - Hazelwood, MO 63042-1347

(314) 839-9751 - N0UIHEric@aol.com

<http://www.geocities.com/TelevisionCity/Taping/7423/K-Index.htm>

<http://www.qsl.net/n0uih/index.html>

CST

Realistic STA-90 AM/FM/FM Stereo receiver,
 Radio Shack VU-210XR with Radio Shack
 Archerrot at 28' (8m) AGL

11/16 Tr/Gw
 2330 Springfield IL 91.9, 98.7\$, 101.9\$, 103.7 80/128
 2339 KMMO 102.9 MO Marshall, local PSA, calls, k
 mixing w/KEZS 155/249
 2340 ?? 95.1 MO Hazelwood, southern Gospel/
 CCM mix, promo

11/18 Ms
 0136 KURR 99.5 UT Bountiful, ad mentioning Murray
 UT, briefly a/WCOY 1150/1851

January 2001

While monitoring for meteor scatter DX during the Leonids, I discovered Christian programming on 95.1. The programming included a mix of contemporary Christian and southern Gospel music, and tapes of a church service. Then I heard a promo for the First Christian Church in Hazelwood! The church is located on the city's southwest side, near the Ville Maria neighborhood. The station did not announce call letters; it only had a fair signal at this QTH, 2.5 miles (4k). It is not the city's first Part 15 station, however; I ran such a station on 107.1 MHz from 1993 to 1995, and again from 1996 to 1998. The Leonids did produce a major surprise, KURR 99.5! Noted a promo mentioning Murray, UT. I checked the road atlas, which revealed that both Murray and Bountiful are suburbs of Salt Lake City. This beats my best Ms record by 410 miles (660 km), set just two years ago by WZKB 94.3 Wallace NC. Nothing else was identifiable by Ms. 73, Eric (N0UIH)



From the Editor

Welcome to the new year! Hope y'all had some Es during the holiday season. Be sure to keep up the fine support of SFM!

JZ

QSL CORNER ...continued from page 23

Dave Allen, continued:

WTMJ Milwaukee, Wisconsin Channel 4. Full data verification on WTMJ letterhead signed by Kent Aschenbrenner. Assistant Chief Engineer of TV Operations. Received in 19 days for a reception report and photos of WTMJ transmission and a first class stamp. Station address: 720 East Capitol Drive, Milwaukee, WI 53212-1371.

WTVP Peoria, Illinois. Channel 47. Friendly verification on WTVP letterhead, signed by David Schenk, Director of Engineering. Received in 17 days for a reception report, photos of WTVP transmission and a first class stamp (returned). Station address: 1501 West Bradley Ave., Peoria, IL 61625-0001. WQAD Moline, Illinois. Channel 8. Friendly verification letter on WQAD letterhead, signed by Marion Megginis, President and General Manager. Received in 6 days for a reception report, photos a WQAD transmission and a first class stamp. Station address: 3003 Park 16th Street, Moline, IL 61625-6061

WHOI Creve Coeur, Illinois. Channel 19. Verification letter on WHOI letterhead, signed by Donna Thompson, General Manager's Assistant. Received in 6 days for a reception report, photos of WHOI transmission and a first class stamp. Station address: 500 N. Stewart Creve Coeur, IL 61610.

KETC St. Louis, Missouri, Channel 9. Full data verification letter on KETC letterhead and business card, signed by David Thiele, Engineering Manager. Received in 7 days for a reception report, photos of KETC transmission and a first class stamp. Station address: 3655 Olive Street, St. Louis, MO 63108-3601

KASA Albuquerque, New Mexico. Channel 2. Full data verification letter on KASA letterhead, signed by Jim Haire, Translator Engineer. Received in 40 days for a reception report, photos of KASA transmission and a first class stamp. Station address: 1377 University Blvd. N-E., Albuquerque, NM 87102.

KIII Corpus Christi, Texas. Channel 3. Friendly verification letter on KRI letterhead, signed by Ralph Quiroz, Chief Engineer. Received in 28 days for a reception report, VHS tape of KIII transmission (returned) and a first class priority mail stamp (used for return postage). Station address: 5002 South Padre Island Drive., Corpus Christi, TX 78411.

KDFW Dallas, Texas. Channel 4. Verification letter on KDFW letterhead, signed by Mark LeVaHey, Vice-President of Engineering. Received in 11 days for reception report, VHS tape of KDFW transmission (not returned) and a first class priority stamp. Station address: 400 N. Griffin Street., Dallas, TX 75202.



"From The Consumer's Window: With no Axe to Grind, Television Broadcast Found Indoor 8-VSB Reception in NYC to be Problematic"

Digital Television and the Consumer

DTV Off-Air In The City: Not A Chance

In The Concrete Jungle, It's Cable Or Luck

By Michael Silbergleid, Editor, DigitalTelevision.com

"Even in the largest city in America, in a high multi-path environment, on the first floor, surrounded by skyscrapers, using an off-the-shelf antenna [a roof-mounted antenna and also a \$7 indoor "rabbit ears" antenna] purchased yesterday, digital TV works like a charm," said Mike O'Hara, Senior Vice President at Thomson.

Thomson got lucky. Others in the concrete jungle of New York City were not so lucky. Mark Schubin was told "unequivocally" by Thomson's PR people that there would not be an over-the-air DTV demo at their pre-CES press conference held at The Coach House in mid-December 1999. They happened to get a good signal so they did an OTA test anyway.

Here's some more: Reportedly, the digital broadcasts were reliably received on both the roof-mounted antenna and the rabbit ears, and produced a clear picture from an RCA DTC100 set-top box and 38-inch RCA HD set. The same antennae connected to an analog NTSC set produced a picture overlaid with snow and ghosting.

In theory, this should be repeatable. So with a variety of indoor and outdoor antennas (all housed indoors) and two RCA DTC100 (as well as two Panasonic TU-DST50) 8-VSB set-top receivers we tried to duplicate Thomson's results. First with Mark Schubin at "The Schubin Site" on January 7 and 21, 2000 (upper west side of New York) (see "From The Consumer's Window") and second with myself at "The Silbergleid Site" (upper east side of New York) on January 22. All tests were open to witnesses. The January 7 and 22 tests were aided by C. B. Patel, a consultant to Samsung who also does technical work for the ATSC. The January 21 test was aided by Philip Galasso of Modulation Sciences, consultant Herb Ohlandt, and Mike Tsinberg of Toshiba.

Site Two

The results at site two were not encouraging: No DTV reception. The site is on the second floor of 425 East 80th Street in Manhattan in the middle of a city block surrounded by medium sized buildings. The site faces the Empire State Building (southern exposure) and is approximately 2-1/2 miles away to the south-southwest. All antenna (indoor and outdoor) were tested from the same indoor physical location mounted next to an opened window due to NYC housing rules for antenna mounting.

Channel 41 analog (WXTV, Paterson, NJ--Univision) was used as a reference as their signal emanates from Empire as well. All 13 of the antennas were able to find channel 56, WCBS-DT but none could differentiate between all the multipath to provide a picture. Not a single antenna could even locate a signal on channel 44, WNYW-DT (Fox). Only seven antennas received a viewable signal (sometimes pretty good and at other times with ghosts and/or snow) on analog channel 41.

Antenna (with RCA DTC100)	Type	Analog Reception (Channel 41)	Digital Reception (Channel 56)
Channel Master 4248	Outdoor	No	No
Channel Master 4308	Outdoor	Viewable	No
Channel Master 3010 (STEALTHenna)	Outdoor	Viewable	No
Channel Master 3021	Outdoor	Viewable	No
Winegard SENSAR	Outdoor	Viewable	No
GE Max 6-foot (amplified)	Outdoor	No	No
RCA Low Profile ANT350	Indoor	No	No
Radio Shack Dipole/Bow-Tie 15- 234E	Indoor	Viewable	No
Xium Spilateral XM2000	Outdoor	No	No
Radio Shack Double Bow-Tie 15- 623A	Indoor	No	No
Loop (original equipment with a Sony TV)	Indoor	Viewable	No
Optimus (Radio Shack) Tunable Antenna 15-1808B	Indoor	No	No
Antiference Silver Sensor (available in Europe)	Indoor	Viewable	No

Reception at 425 East 80th Street, apartment 2-A

So a challenge to Thomson, other 8-VSB set-top receiver and DTV set manufacturers, and antenna manufacturers—come to "The Silbergleid Site" and get me my DTV. Because, as Patel noted on January 22: "It's a sorry affair."

Note: For "The Silbergleid Site," funding for the purchase of some test components for was provided by Television Broadcast magazine. The RCA DTC100 was loaned by the NIMA Motion Imagery Program. The Panasonic TU-DST50 was loaned by Panasonic Broadcast Digital Systems Company. Some antennas were supplied by Channel Master, Winegard, Mark Schubin, PBS and the NIMA Motion Imagery Program. The tripod for outdoor antennas was provided by Channel Master. The monitor for viewing (Panasonic Tau--CT-34WDM60 34-inch diagonal HDTV-compatible) was loaned by The SilverKnight Group.