

The Worldwide TV-FM DX Association

Serving the VHF-UHF Enthusiast



VHF-UHF DIGEST

E-ZINE VERSION

JANUARY 2002

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. The WTFDA is governed by a board of directors: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK AND MIKE BUGAJ.

CHECK THIS LIST!

In order to keep your VUD arriving at your home without interruption, look for your name on this list. Your membership ends on the last day of the month shown. Renew *early!*

January

Danny Buntin	Scott Hood
Keith Smith	Peter Oprisko
Burton Zacks	Jeff Schultz
Winston Smith	Ken Onyschuk
Wally Dickson	Gary Olson
Brian Farnsworth	John Broomall
Doug McAbee	Dave Allen
Paul Mitschler	

February

Frank Merrill	John Zeis
Jeff Wolf	Dan Cashin
Steven Cornell	Dan Dankert
Nathaniel Ely	Paul Hansen
Harry Hayes	James Nahirniak
Ray Leko	Clay Autery
Morris Sorensen	

Also check the expiration dates on your mailing labels. If the date is highlighted yours is very close.

CONTENTS

The Mailbox
TV News – Doug Smith
FM News – Greg Coniglio
Photo News – Jeff Kruszka
Western TV DX – Victor Frank
Time Tunnel – Tom Bryant
Eastern TV DX – Matt Sittel
Eastern FM DX – Keith McGinnis
30-50 Scanner F2 News
Satellite News – George Jensen
Southern FM DX – John Zondlo
Mid-Latitude Spe Review – Mike Hawk
Renewal Form & Editors' Addresses

This month we note the return of Photo News. We've come up with a way to include Photo News in the eVUD without blowing the file size of the eVUD out of the water. As a result, one or two of the photos might not appear as "good" (and that is a *relative* term) as they would appear in the VUD, but for the most part most of the photos are acceptable. At least in this issue, the eVUD is a complete mirror of the paper VUD. Also don't forget to check out the first three pages of Mike Hawk's E skip article!

Please note that every attempt is made to include every column appearing in the paper VUD, however that is not always possible

IRCA Mexican Log, 7th Edition

The IRCA MEXICAN LOG lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The log has been completely updated from the 2000 edition and carefully cross-checked by several IRCA members. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11" and three hole punched for easy binding. Prices: IRCA/NRC/WTFDA members - \$9.00 (US/Canada/Mexico/sea mail).

To order from the IRCA Bookstore, send the correct amount (in US funds payable to Phil Bytheway) to:
IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334.

The log is published every year in September. Updates and corrections go to Chris Knight, 1018 Pacific Ct., Ft. Lupton CO 80621 USA or by email at swrad@juno.com.



The Mailbox

P.O. Box 501, Somersville, CT USA 06072
MIKE BUGAJ MBUGAJ@SNET.NET

JANUARY 2002

Welcome back everyone. The year 2001 is now in the can and we're off to the races in 2002. Last year was a good year for the club but we did have some changes. Bill Thompson retired as VUD publisher, Paul Swearingen took over for four months and then a rookie started in August, finished the year and started another.

The WTFDA list quietly celebrated it's second anniversary in August and would have gone completely un-noticed except for the fact that **Ryan Grabow** remembered and mentioned it to the rest of us. The WTFDA list has roughly about 130 subscribers with 99% of them being WTFDA members and the rest being people checking out the club. To those of us with a computer, the Topica list is one of the best perks we have as club members, if not the best.

Club membership is doing well. As of December first we had about 19 members who hadn't renewed for another year but on the flip side we had 24 people join. As of December 10 we have 278 members. Of these, 16 are from Canada and one each from Mexico, Italy, Germany, New Zealand, Cuba, Japan and Australia. We have ten online associate members. We have three overseas members and one US member receiving the VUD from the internet exclusively.

What's in store for 2002? Well, a new updated WTFDA TV Station Guide is in the planning stages and may be available in print form sometime before skip season starts. We plan on aggressively looking for new members on the internet since the internet is the place where we are clearly visible through our WTFDA ANARC website and our great member websites like **John Zondlo's** FMDXWEB, **Doug Smith's** TV website and **Ryan Grabow's** popular E skip logo website. All in all there must be at least 25 members with websites and they all mention the WTFDA.

Tim McVey has reported that the ANARC has moved member club sites over to a new and improved server and he now

can add information almost immediately. They have also given us more space on their server and we will be figuring out ways to use that space to our advantage.

When certain other clubs are having internal and external problems, we are not. The future is bright for the WTFDA and 2002 should be another great year for us, thanks to all of you!

MEMBERS ABD MORE

This month we welcome in two new WTFDAers. **Robert Coomler** lives in Cloverdale, CA about 100 miles north of San Francisco and he is going to give Dxing a try. **Peter Baskind** lives in Germantown, TN and was in the club doing TV Dxing during the 80s. Peter uses TV Es to help him with propagation and skip info on the ham bands. Robert, if I remember correctly, is also a ham.

Steven Wiseblood rejoins after being away for some months. Steve is back in Santa Maria, CA again for a few months before returning to TX and I'm happy to see him back with us once more.

Recent renewals came in the mail from **David Wurl(WI)**, **Tom Bryant(TN)**, **James Roggentine(CA)**, **Luke Steele(MO)**, **Chester Jaffee(CA)**, **Matt Sittel(NE)**, **Dave Pomeroy(KS)**, **Jim Thomas(CO)**, **Rick Shaftan(NJ)** and **Gil Morgan(MO)**. Associate memberships also renewed by **Kevin Redding** and **Mituhiko Hukunaga** for another year. Thank you all for hanging around and may 2002 be a great year for everyone!

110 AND 150khz CERAMIC FILTERS

Back on October 11, **Steve Solomon** posted this: "I recently went on line and searched for "10.7MHZ ceramic filters", looking for a source for Muratas. Well, I didn't find them, but I came across two other suppliers, one in Taiwan and the other in Tustin, CA. (continued next page)

They were nice enough to send me a few samples so I could test them. When they arrived both types looked similar to Muratas and one even said "similar to Murata" in their documentation.

So the test began. I received two 150khz and two 110khz filters from the CA company (SNR Inc.) and 35 110khz filters from the Token Company in Taiwan.

TOKEN Taiwan: I put five 110khz in the Yamaha T-85. I mixed and matched from socket to socket and put other wider filters in the first few slots. RESULTS: I think they act a tiny bit wider than Murata 110khz but they are all exact with little or no variation whatsoever. They are all also nicely centered. Good filters. They are way better than Tokos and comparable but a tiny wider than Muratas.

SNR CA: Tested with 3 Tokens in the first three slots and the two SNRs in the narrow two slots. Immediately started receiving higher gain and tighter selectivity using 103.1 as a reference. With local WPXC directly in the antenna path at six miles, no splatter at all on 103.11 (fine tuned) and "103.1 the Point" in Vermont in solid. Locals and semi-locals are all perfect with no super narrow audio distortion. Great filters".

Steve even went one more step and bulk ordered a few hundred of the SNR 150s and 110khz filters. I myself bought fifty 150s and fifty 110s to play with. I tried them and compared them against the comparable Murata filters that I had installed in my Sony ST-5130 and my opinion is that these SNR filters are the equivalent of the Murata as far as loss and the steepness of their selectivity curves; in other words the same thing. As far as I know there have been NO negative reports from people using these filters. All reports I've heard are that these SNR filters are as good as, or better than the Murata filters.

Steve may consider another bulk order. If you are interested and are online just send an email to Steve at mcv@makkayradio.com and get ordering information from Steve. He may also put you in contact with one of the people who bought in bulk from him and maybe you can buy a few from one of those folks. And Steve, thanks for taking on this task!

RHOMBIC ROMANCE

A while back Bob Cooper sent us two articles on building rhombic TV antennas. Bob wrote: "this may or may not be fodder for the reference website. A couple of years back there was a flurry of interest in

rhombics for TV(DX) and I supplied some copies of the enclosed CATJ materials to a couple of people in our group. The Buchan piece was done by him and sold through small classified advertisements in Radio TV News and Radio Electronics. I bought a copy at the time and actually found it recently in its original yellow binder cover. For me it was at the time (age 13) like opening a door through which I passed and never looked back. Buchan died in 1993 (he was living in Minneapolis at the time) or so and his estate sold out some bound copies of Radio TV News and Radio Electronics and strangely enough I was one of the buyers and they sit on my book shelf today here in New Zealand.

I immediately built several rhombics (in Ithica, NY) for TV from Buchan instructions and used these for TV Dxing until my family moved to California in 1953. There in Lafayette, CA I immediately built another one which is the antenna I was using for the Brazilian Es(or who-knows-what-mode) reception. The CATJ material is probably the very best all in one spot analysis of rhombics(for TV) ever done, but by 1976 very few people needed one or cared."

For those who want more rhombic information, the 1951 article by Richard J. Buchan can be found on the internet at the Memorabilia site at (members.fortunecity.com/wtfdamem) and I've converted Bob's 19 page article on building rhombic antennas into an Adobe .pdf file which any WTFDA member can have sent to them as an email attachment This file is 2.5mb in size. Sorry, but I can only honor email requests. We will try to find a good home for this file for future use by WTFDA members.

DON'T PHONE MY HUSBAND

You say your wife hates your Dxing? Then maybe you can relate to this. This email was sent to the Skywaves(UK) list in the middle of a heavy tropo opening in early December. I think some of these fellows were spending too much time on the phones talking about tropo because the next morning this post appeared on the Skywaves list (this has not been edited): "if any dick head phones my husband up again after ten oclock at night and before 8 oclock in the morning I will not be responsible for my actions. Ps hope u all have a nice Christmas and all your radios blow up."

Don't tangle with this lady! CU next month.

TV News- January 2002

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
W9WI@w9wi.com

<http://www.w9wi.com>

Abbreviations:

AF	Applied for (a new station)	PC	Power (or tower height) change on the air
CA	Class A status request/grant	PG	Power (or tower height) change granted
CC	Call change	PR	Power (or tower height) change requested
CL	City-of-license change	QC	Channel change on the air
DE	Station deleted	QG	Channel change granted
FC	Programming (format) change	QR	Channel change requested
GA	Granted amendment to the table of allocations	SI	Off the air ("silent")
LC	License to cover (for changes or new station)	XC	Transmitter site change on the air
NO	Not on the air	XG	Transmitter site change granted
NS	New station granted permit	XR	Transmitter
NW	New station on the air		
PA	Proposed amendment to the table of allocations		

News:

Alaska:

Fairbanks	2 KATN	PG>26.7kw/129m, 64-54-42/147-46-38
Fairbanks zero	13 K13XD	PG>3kw, fm. no ofst to
Juneau	5 KATH-LP	CC from K05JR
Kenai	6 K06MF	PG>1.44kw
Kodiak	5 K05KW	NS, 3kw, 57-47-41/152-23-28 (KYES-5, UPN) dismissed
Nome	6 new	

Alabama:

Decatur	66 W22BF	LC from ch. 22, 10.8kw
Florence	20 WYLE-DT	XG 34-36-40/87-44-14
Huntsville	19 WHNT-TV	LC for PG>1290kw/531m
Tuscaloosa	23 WLDM	NW, 890kw/266m, 33-03-15/87-32-57, UPN/WABM-68

Arkansas:

Batesville	57 K57IP	QG from ch. 44, 49.9kw, 35-02-35/95-57-11 near McAlester, OK
El Dorado	51 K46DT	QR from ch. 46, 150kw, 34-22-12/92-10-08 near Pine Bluff
Fort Smith	16 K27DI	QC from ch. 27, 7.5kw
Little Rock	58 KLRA-LP	PC 18.3kw
Little Rock	30 KLRT-DT	PG< 449m
Mountain Home	41 K41HC	QG from K43CJ, 10.2kw
Pine Bluff	38 KASN	PG<590m
Pine Bluff	39 KASN-DT	PG<590m
Sheridan	47 KWBF-LP	QR from ch. 5, 104.6kw, 34-30-27/92-32-48

Arizona:

Camp Verde	19 K19FC	QG from K18DD, 3.28kw
Ganado	9 K09XH	LC; FC to KOB-4
Globe	16 K16FB	NS, 10kw, 33-22-51/110-45-25
Holbrook	11 KPHZ	NW 1.6kw/54m, 34-55-05/110-08-25
Phoenix	39 KDTP	LC for NW, 1070kw/491m, 33-20-01/112-03-45
Phoenix	48 KDRX-LP	QC from ch. 64, 15kw
Tacna	40 K40GN	NS, 50kw, 33-43-36/113-44-47 (KYMA-11, NBC)

Tucson	34 KTAZ-LP	QG from ch. 25, 9.9kw
Verde Valley	21 K21GD	QG from K61BG, 1.22kw

California:

Bakersfield	8 K08MM	LC dismissed from ch. 9
Bakersfield	31 KABE-LP	QG from ch. 39, 60kw
Campbell	8 K08NB	NS, 3kw, 41-29-00/120-32-51
Cloverdale	36 K36GG	NS, 3.8kw, 38-50-37/122-56-45
Crescent City	46 K46GM	QG from K39EO
Eureka	39 new	dismissed (2)
Fort Bragg	44 new	dismissed (2)
Fresno	9 KFSN-DT	NW, 8.7kw/614m
Lakeport	15 K60FP	LC, 0.93kw
Lancaster	26 K26GN	QG from K54DN, 4.6kw
Long Beach	61 KSCI-DT	LC 256kw/950m, 34-13-36/118-03-59
Los Angeles	58 KLCS	PG>2570kw/901m
Merced	5 KNSO-DT	QG from ch. 38; PG 12.9kw/532m, 37-04-18/119-25-53

National City	23 K61GH	QR dismissed, Mexican objection (XETV-DT)
Palm Springs	66 K66BM	PC>10kw
Red Bluff	49 K49GJ	NS 0.81kw, 40-12-49/122-07-02
Redding	45 K34DF	QR from ch. 34, 36kw
Redding	50 K50GP	QC from K65DJ, 45.7kw
San Diego	30 KPBS-DT	NW, 350kw/567m, 32-41-53/116-56-03
San Diego	63 K63EN	PG>9.8kw, 32-35-42/116-50-39
Sanger	59 KFRE-TV	PR>5000kw/1460m(?), 37-04-37/119-26-01
Simi Valley	33 KSMV-LP	QC from ch. 44, 12.5kw, 34-13-36/118-03-57
Santa Barbara	51 KBAB-LP	QR from ch. 38, 3.57kw, 34-27-58/119-40-37

Colorado:

Akron	8 K08ND	NS, 0.258kw, 40-16-52/103-05-55
Aspen	14 new	dismissed
Bayfield	50 K50FS	QC from ch. 63, 1.2kw, 37-11-03/107-29-07
Broomfield	12 KBDI-TV	PG<226kw/742m
Cortez	14 K14JS	PG>0.92kw, 37-21-01/108-08-01, also K18DR

Cortez	22 K22CU	PG<0.92kw, 37-21-01/108-08-01	Valdosta	43 WVAG-DT	NS, 50kw/253m
Denver Haxtun	33 KMAS-LP 31 K31FZ	PG<0.65kw QG from K47DE, 0.89kw, also K33GM, K35GO	Hawaii: Honolulu	44 KWBN	LC 55kw/632m, 21-19-49/157-45-24
Holyoke Colorado:	15 K15FD	QC from ch. 63, 3.46kw	Hawaii:		
Holyoke	17 K17EU	QC from ch. 65, 3.46kw	Kauai	47 new	dismissed
Holyoke	19 K19EG	QC from ch. 67, 3.46kw	Kauai	49 new	dismissed
Holyoke	21 K21FF	QC from ch. 61, 3.46kw	Lihue	47 new	dismissed (2)
Idalia	16 K16EK	QC from ch. 46, 0.59kw, 39-43-50/102-28-56	Lihue	49 new	dismissed
Idalia	18 K18FO	QC from ch. 48, 0.59kw, 39-43-50/102-28-56	Iowa: Burlington	26 KGWB-TV	PG>2500kw/425m rescinded
-----following all have same power & TL -----					
Peetz	16 K16EJ	QC from ch. 17, 0.76kw, 40-53-31/103-13-45	Cedar Rapids Emmettsburg	44 KCDE-LP 45 new	QG from ch. 67, 29kw dismissed
Peetz	18 K18FN	QC from ch. 19	Idaho:		
Peetz	20 K20FS	QC from ch. 21	Boise	30 K30GS	QG from ch. 68, 116.4kw, 42-43-48/114-24-52 near Twin Falls
Peetz	26 K26FM	QC from ch. 54			
Peetz	28 K28FW	QC from ch. 56			
Peetz	30 K30FO	QC from ch. 58			
Redstone	14 new	dismissed	Boise	31 K31FD	LC dismissed
Rulison	26 K26FK	QC from ch. 66	Caldwell	10 KNIN-DT	PG<818m
Sargents	6 K06NG	NS, <5w, 38-23-26/106-24-39	Illinois:		
Wray	44 K44FM	QC from ch. 56, 0.56kw	Champaign	46 WBXC-CA	PG>15kw
Yuma	32 K32AB	PC>2.69kw, also K34AC, K36AC, K38AD, K40CG	Chicago	3 WBBM-DT	PR>3.7kw/448m
			Chicago	19 WMAQ-DT	NW, 350kw/508m
			Chicago	23 WFBT-CA	PC>19.6kw
			Chicago	45 WSNS-DT	NW, 467kw/472m
Connecticut:			Quincy	40 K40GO	QG from ch. 63, 40kw, 42-29-56/92-15-51 in Waterloo, Iowa (thus K callsign is correct!)
Hartford	46 WUVN-DT	PG>217kw/269m, 41-46-30/72-48-04	Quincy	48 W48CU	QG from W34CD or W65CZ, 140.7kw near Hoopeston
Florida:			Salem Springfield	29 W29CI 8 W08DP	LC from ch. 28 dismissed QC from ch. 65, 0.14kw, 39-49-44/89-35-44
Daytona Beach	11 WESH-DT	NW 60kw/515m, 28-36-35/81-03-35			
Jacksonville	30 WAWS	PR>4000kw/307m, 30-16-51/81-34-12			
Key West	31 W31AB	PR>4kw,			
24-33-18/81-48-07					
Key West	44 W44AC	PR>3.9kw, 24-33-18/81-48-07			
Lake City	15 WJXE-LP	QR from ch. 15, 50kw, 29-32-05/82-19-12 near Gainesville	Indiana:		
Lakeland	19 WMOR-DT	PR>458m	Evansville	59 WEHT-DT	NW, 59kw/301m
Mayo	9 W09CN	NS, 3kw,	Indianapolis	9 WISH-DT	NW, 19.5kw/284m
30-02-45/83-05-43			Indianapolis	65 WDNI-LP	QC from ch. 53, 40kw, 39-49-29/86-09-23
Melbourne	62 W62CC	FC to Telefutara?	Kokomo	50 WKGK-LP	QG from ch. 48, 8kw, 40-26-58/86-04-57
Miami	18 WPBT-DT	NW 1000kw/309m	Salem	58 WFTE	PG>5000kw/390m
Miami	22 WFOR-DT	LC 1000kw/298m			
Miami	32 WBFS-DT	PG<517kw/283m	Kansas:		
Palm Beach	43 WINQ-LP	PR>53.22kw, 27-01-32/80-10-43 near Sound	Dodge City	38 new	dismissed
Hobe			Dodge City	41 new	dismissed (2)
			Dodge City	43 new	dismissed (2)
Palm Beach	61 WFGC	PG<4000kw dismissed	Emporia	7 K07XH	NS, 0.5kw, 38-24-08/96-09-45
Panama City	9 WPGX-DT	QG from ch. 29, 130kw/264m, 30-13-45/85-23-20	Garden City	41 new	dismissed
Panama City	54 W54CU	QG from ch. 68, 22.3kw	Pittsburg	13 KOAM-DT	QR from ch. 30, 4.2kw/340m
Pensacola	12 WBQP-LP	PG>2.89kw	Kentucky:		
Port St. Lucie	35 W35BS	QG from ch. 58, 26.8kw, 27-07-14/80-23-59	Beattyville	7 WLJC-DT	PR<27kw
Tampa	30 WTAM-LP	QR from ch. 6, 144.6kw, 27-49-10/82-15-39	Bowling Green	40 WNKY	PG>1640kw
Tampa	56 W56EB	QG from ch. 68, 83kw, 27-49-11/82-15-38	Corbin	48 WVTN-LP	NW, 10.1kw, 36-58-21/84-07-28
			Lexington	42 WKLE-DT	NW, 48kw/252m
Georgia:			Owenton	44 WKON-DT	NW, 49.7kw/214m
Atlanta	36 WATL	PR<313m, 33-48-26/84-20-22	Louisiana:		
Bainbridge	49 WTLH	PC>5000kw/597m, 30-40-51/83-58-21	Alexandria	19 K55GT	QR from ch. 55, 150kw, 29-58-23/93-59-22 near Orange, Texas
Brunswick	24 WPXC-DT	PG>650kw/403m, 30-49-17/81-44-13	Baton Rouge	30 WLFT-LP	QR from ch. 52, 50kw, 30-23-04/91-03-27
Ringgold	28 WRNG-LP	QR from ch. 63, 78.1kw, 34-57-07/85-22-58	Baton Rouge	41 K41HD	QG from K65FP, 50kw
Savannah	13 WXSX-LP	PG>3kw dismissed	Baton Rouge	65 K65FP	QG to ch. 38 dismissed
Savannah	20 WHDS-LP	QG from ch. 32, 12.5kw	West Monroe	17 K17FV	NS, 25kw, 32-31-39/96-06-08 (relig.)

Sedalia 6 KMOS-TV LC for backup xmtr., 100kw/235m, 38-44-47/93-16-30 (using old main as backup) PG<611m

Springfield Missouri:
 St. Louis 33 K33GU QG from K18BT, 10kw
 St. Louis 39 KETC-DT PG<125kw

Mississippi:
 Columbia 45 W45AA PC>14.2kw
 Natchez 48 WNTZ PR>5000kw/549m, 31-52-33/90-54-35 near Port Gibson; FC to Fox PR<790kw/549m, 31-52-33/90-54-35 dismissed (2)

Montana:
Billings 11 KULR-DT PG>6.08kw/191m
 Billings 38 new dismissed (2)
 Bozeman 11 K11UJ QC from ch. 2
Butte 24 KBTZ PR<346kw/585m, 46-00-24/112-26-30 dismissed
 Glasgow 27 new dismissed (2)
 Great Falls 21 new dismissed (2)
Great Falls 26 KLMN PR<355kw/65m
 Great Falls 49 new dismissed
 Great Falls 50 new dismissed
Havre 9 KBBJ NW, 9kw/397m, 48-20-32/109-43-41 (KTVH-12, NBC) CC from KEXI-LP dismissed

Kalispell 35 KMMF-LP
 Miles City 27 new

North Carolina:
 Buxton 28 new dismissed
 Buxton 48 new dismissed
 Charlotte 38 W62BV QC from ch. 62
Columbia 20 WUND-DT NW, 543kw/489m
Concord 44 WUNG-DT NW, 150kw/404m
Jacksonville 18 WUNM-DT NS, 65kw/561m
Jacksonville 19 WUNM-TV PG<2400kw
Lexington 20 WTWB-TV PG>5000kw/553m, 35-52-02/79-49-26 NW, 161kw/542m
New Bern 48 WCTI-DT CC from WHIG-LP
 Rocky Mount 57 WOFF-LP PG>700kw/297m, 34-19-16/78-13-43
Wilmington 29 WUNJ-DT

North Dakota:
 Bismarck 8 K08NC NS, 3kw, 46-50-01/100-52-19

Nebraska:
 Bassett 20 K20GX NS, 116.4kw, 42-20-05/99-29-02, also K28HF & K49GI.
 Columbus 32 K32FS QG from K52EX, 49.6kw, 40-13-11/95-39-56, near Tarkio, Mo.
 Columbus 34 K34FX QG from K21ES, 116.4kw, 42-10-21/103-13-59, between Scottsbluff and Alliance
 Columbus 38 K38GX QG from K40FH, 101.6kw, 41-12-13/100-44-00, North Platte
 Columbus 38 K38GZ QG from K23EU, 116.4kw, 42-10-21/103-13-59, between Scottsbluff and Alliance
 Columbus 40 K40GJ QG from K33EM, 116.4kw, 42-10-21/103-13-59, between Scottsbluff and Alliance
 Columbus 46 K46GJ QG from K55HX, 116.4kw,

Massachusetts:
 Boston 3 WCEA-LP QR from ch. 19 (?)

Maine:
Biddeford 45 WMEA-DT PG<50kw/231m, 43-25-00/70-48-17
 Portland 15 WLOB-LP PR<6.5kw, 43-41-48/70-21-46

Michigan:
Alpena 57 WCML-DT PG<200kw/393m
 Cheboygan 26 new dismissed
 Cheboygan 32 new dismissed
 Houghton 51 new dismissed
 Houghton Lake 44 W18CB QR from ch. 18, 100kw, 43-41-10/85-34-59, Big Rapids
PG>412m

Ishpeming 10 WBUP
 Kalamazoo 26 W26BX QC from ch. 24, 5.3kw
 Ludington 31 W48BY QR from ch. 48, 37.2kw, 43-21-44/88-53-45 near Watertown, Wisconsin (too close to WVCY-30?)
 Ludington 56 W34BZ QR from ch. 34, 30kw, 43-21-44/88-53-45, see

above
 Marquette 51 new dismissed
 Mount Pleasant 61 W61DK NW, 0.24kw, 43-41-56/84-46-11
 Pinconning 52 W52CU NW, 0.25kw, 43-42-02/83-59-17
 Republic 43 WUPT-LP CC from W43BY
 Sault Ste. Marie 20 W56DI QR from ch. 56, 150kw, 47-06-06/88-34-11, in the Keweenaw Peninsula

Sault Ste. Marie 25 W48BZ QR from ch. 48, 60kw, 46-30-59/87-29-07, near Marquette
 Sault Ste. Marie 28 W50CA QR from ch. 50, 50kw, 45-35-27/84-37-09, near Cheboygan

Sault Ste. Marie 32 W58CO QR from ch. 58, 150kw, 46-26-28/90-11-27, near Ironwood
 Sault Ste. Marie 42 W52CB QR from ch. 52, 100kw, 45-46-56/87-06-04, near Escanaba

Traverse City 19 W36BZ QR from ch. 36, 150kw, 44-14-56/85-18-48, near Cadillac
 Traverse City 23 W48CC QR from ch. 48, 100kw, 43-41-10/85-34-59, Big Rapids

Traverse City 48 W23BL QR from ch. 23, 49kw, 44-03-51/88-31-43, near Oshkosh, Wisconsin

Minnesota:
 Duluth 25 new dismissed
 Duluth 40 new dismissed
Duluth 43 WDIO-DT PG<900kw/394m
Minneapolis 4 WCCO-TV PC>452m
Minneapolis 21 WFTC-DT NW, 1000kw/352m
Minneapolis 32 WCCO-DT NW, 1000kw/433m
Minneapolis 35 KARE-DT NW, 1000kw/435m
St. Paul 5 KSTP-TV PC>451m
 Willmar 6 K06NF NS, 1kw, 45-11-52/94-57-00

Missouri:
 Branson 17 K17DL PC>20.5kw, 36-44-52/93-16-37
Kansas City 7 KMBC-DT NS, 85kw/357m
Kansas City 31 KCWE-DT PR<200kw/358m
 Columbus 42 K65GE QG from ch. 65, 116.4kw, 42-10-21/103-13-59
 Columbus 45 K45GS QG from K59FT, 101.6kw,

		41-25-53/99-50-18, Broken Bow	Glens Falls New York Syracuse	47 W14AZ 2 WCBS-TV 38 W38CY	QC from ch. 14, 20.2kw PC>45kw QG from ch. 59; 8.5kw, 42-56-45/76-06-16
Nebraska:					
Columbus	47 K47HI	QG from K54EU, 116.4kw, 42-20-05/99-29-03, near Ansley			
Columbus	50 K28EN	QG from ch. 50, 130.6kw, 40-38-56/98-23-02,	Ohio: Columbus	28 WTTE	PR<1440kw/267m, 39-56-14/83-01-16 QR from ch. 47, 31.2kw
Hastings			Findlay	54 WFND-LP	
Falls City	46 K46FG	QC from ch. 24, 16.6kw			
Gothenburg	28 K28GC	QC from ch. 27, 11.3kw	Oklahoma:		
Hastings	5 KHAS-TV	PG>371.8m dismissed	Altus	42 K42FL	NS, 0.94kw, 34-38-21/99-21-19
Lincoln	27 K27GX	QG from K31DU, 15.3kw			
Mullen	33 K33GT	NS, 12kw, 41-59-11/101-02-28	Enid	32 KXOK-LP	CC from K32DZ dismissed (2)
Mullen	39 K39FZ	NS, 12kw, 41-59-11/101-02-28	Lawton	25 new	QC from ch. 27, 26.4kw
Norfolk	5 K05KV	NS, 3kw, 42-03-07/97-29-13	Lawton	49 K27AZ	QC from ch. 58, 10.6kw
			Muskogee	25 K25GJ	QC from ch. 22, 41.6kw, 35-23-14/97-29-57
			Oklahoma City	21 KTOU-LP	PR>2690kw/480m XR 36-03-37/97-08-31
New Jersey:			Stillwater	31 KWEM-LP	QC from ch. 45, 3.1kw
Atlantic City	62 WWSI	NW, 5000kw/304m, 39-36-15/74-22-01 PR>4070kw/396m, 40-02-30/75-14-11 PR>500kw/396m, 40-02-30/75-14-11	Tahlequah	52 K45ER	PG>900kw/381m, 36-01-36/95-40-44
Vineland	65 WUVP		Tulsa	42 KTFO-DT	
Vineland	66 WUVP-DT		Oregon:		
			Canyonville	32 K32ET	LC for QC from ch. 38 <i>dismissed</i>
New Mexico:			Corvallis	52 K52HM	QG from ch. 26, 13.4kw
Alamogordo	32 K32FC	FC to KOB-4, NBC	Grants Pass	30 KBLN	NW, 9.77kw/654m, 42-22-56/123-16-29 (relig.)
Alamogordo	53 K53BM	PG<1.87kw			
Albuquerque	35 KNME-DT	NW, temporary low	John Day	2 K02PK	NW, <5w, 44-26-02/118-57-27 (3Abn)
Albuquerque	45 KASY-DT	QR from ch. 51	La Grande	2 K02PJ	QC from K07WD, 30w
Albuquerque	48 KTFA-LP	CC from KTFN-LP	La Grande	13 KTVR	PG>100kw/780m
Albuquerque	50 KASY-TV	PC<1399kw/1287m, 35-12-48/106-27-00	Portland	40 KOIN-DT	NW, 1000kw/523m
Caballo	43 K43HC	NS, 1.17, 32-58-03/107-13-35 (KRWG-22, PBS)	Salem	57 KBPD-LP	QC from ch. 30, 12kw, 44-58-58/123-08-43; CC from K57IF
Datil	48 K48HL	QC from K68EG, 1.22kw	Pennsylvania:		
Des Moines	48 K48HJ	NS, 1.3kw, 36-42-19/103-52-38 (KASA-2, Fox)	Dillsburg	35 W35BT	QG from W40AF, 40-18-19/77-00-28
Dulce	22 K22GE	NS, 0.99kw, 36-59-00/106-58-12 (KASA-2, Fox)	Lancaster	58 WGAL-DT	NW, 907kw/393m
Farmington	40 K40FI	QG from ch. 60, 1.06kw	Philadelphia	7 WPTV-LP	PR>1.5kw, 39-57-08/75-10-01
Gallup	23 K23FE	QC from ch. 63, 1.04kw, 35-36-16/108-40-49	Sayre	9 W09CO	QG from W52CE, 3kw, 41-26-09/75-43-46
Pie Town	31 K31FX	NS, 2.4kw, 34-17-00/107-54-44	South Carolina:		
Roy	31 K31FY	NS, 1.22kw, 35-55-33/104-24-47 (KASA-2, Fox)	Columbia	48 WACH-DT	PR<600kw/464m, 34-06-58/80-45-51
			Sumter	63 WQHB	PR<1312kw/374m
Nevada:			South Dakota:		
Beowawe	28 K28HE	NS, 0.17kw, 40-37-15/116-41-17	Madison	15 K27DB	LC
Elko	47 K47HP	NS, 0.3kw, 40-49-16/115-42-04	Rapid City	2 KOTA-DT	NS, 7.1kw/185m
Ely	24 K24FO	QG from K65AC, 0.4kw, 39-09-40/114-36-51	Rapid City	21 KNBN	NW, 100kw/199m, 44-05-33/103-14-53 (NBC)
Ely	26 K26GO	QG from K67AL, 0.8kw, 39-09-40/114-36-51	Rapid City	44 KNBN-LP	QR from ch. 27, 27kw
Lovelock	14 K14KQ	NS, 0.99kw, 40-11-01/118-28-47	Sioux Falls	26 KCPO-LP	QC from ch. 7, 7.57kw, 43-32-03/96-44-21
(PBS?)			Sioux Falls	46 KDLT-TV	LC, 4000kw/589m, 43-30-17/96-33-22
Murray Canyon	50 K50GZ	QG from K56AC, 3.55kw	Tennessee:		
Reno	9 KOLO-DT	QR from ch. 23, 15.6kw/893m	Acton	49 W49BK	PG<14.1kw, 34-59-41/88-31-17
Stateline	38 K38FW	NS, 12kw, 38-57-35/119-56-24	Clarksville	49 WCKV-LP	NW, 15.9kw, 36-26-01/87-25-24
Stateline	59 K59GM	NS, 1.1kw, 38-56-47/119-57-55	Jackson	26 W26CJ	QG from ch. 66, 129.5kw, 36-29-35/87-14-53, Clarksville
New York:			Knoxville	6 WATE-TV	PR>548m
Binghamton	20 WBGH-CA	QC from ch. 8, 0.16kw	Knoxville	26 WATE-DT	PR>930kw/529m
			Nashville	56 WTVF-DT	NW, 405kw/405m
			Tazewell	48 new	FC to CTN religion

<u>Texas:</u>			Pullman	17 KWSU-DT	PG<2.5kw
Albany	59 KIDV-LP	CC from K59FX			
Amarillo	9 KFDA-DT	PG>62kw			
Amarillo	33 KCPN-LP	QC from ch. 65, 41.1kw			
Amarillo	43 KTXD-LP	PR>67.1kw			
<u>Texas:</u>			<u>Washington:</u>		
Amarillo	47 KAMT-LP	QR from ch. 31, 50kw, 35-18-55/101-50-03	Puyallup	54 K69FL	QC from ch. 69
Brady	13 K13XR	QG from K02GM, 30w, 31-12-09/99-33-05	Spokane	8 KSPS-DT	QG from ch. 39, 21.6kw/558m
Corpus Christi	41 KCRP-CA	FC to Telefutara	<u>Wisconsin:</u>		
College Station	48 K48HK	QG from K47ED, 2kw	Antigo	46 WTPX-DT	LC 50kw/280m, 45-03-33/89-26-10
Corsicana	28 KNAV-LP	QG from ch. 30, 3.6kw	Crandon	4 WBIJ	PR<1.7kw/123m
Cuero	40 K40GQ	NS, 30kw, 29-01-49/97-18-48	Madison	21 WHA-TV	PG<870kw
(religious)			Mayville	52 WWRS-TV	PC>5000kw/202m
Dallas	57 K57IG	QC from K31FA, 100kw, 32-35-19/96-58-06	Milwaukee	25 WCGV-DT	PG<625kw/340m, 43-05-44/87-54-17
Livingston	7 KETX-LP	QG from ch. 5, 3kw	Milwaukee	41 WMLW-LP	CC from W41CI
Lubbock	9 KCBD-DT	QG from ch. 43,	Whiting	52 K52HH	QG from ch. 65, 28.1kw, 43-58-16/92-24-54, near Rochester, Minn.
15kw/232m					
Matador	42 K42ES	QC from ch. 66, 0.11kw, 33-58-54/100-54-48	<u>Wyoming:</u>		
Midland	40 K40FJ	LC from ch. 31 dismissed	Buffalo	11 K11UT	NS, 70w, 44-20-18/106-45-02
Odessa	30 KPXK	NW, 350kw/212m, 32-05-51/102-17-21			(KCWC-4, PBS)
Quannah	43 K43HD	NS, 0.75kw, 34-12-41/99-44-05	Casper	47 K47HQ	QG from K13UC, 10.1kw
San Antonio	7 KJLF-LP	PG>3kw	Cheyenne	45 KKRR-LP	CC from K45EX
San Antonio	8 KLRN-DT	NS, 8.3kw/259m, 29-19-38/98-21-17	Laramie	41 new	dismissed (2)
San Antonio	17 KNIC-CA	FC to Telefutara	Sheridan	38 new	dismissed (2)
San Antonio	23 KHCE	PR>2032kw/333m, 29-17-15/98-15-22			
Snyder	44 K44FG	QC from ch. 67, 80w	<u>U.S. Possessions:</u>		
Texarkana	41 K41EQ	LC from ch. 52 dismissed	(note: coordinates in the next two locations are <u>east</u> longitude)		
Victoria	17 K17FS	NS, 50kw, 28-50-39/97-06-15	<u>Guam:</u>		
Wichita Falls	40 new	dismissed	Agana	22 K22GD	NS 0.97kw, 13-29-17/144-49-30
<u>Utah:</u>			<u>Northern Mariana Islands:</u> (Saipan)		
Fremont	17 K17FQ	LC, 10w, 38-25-58/111-37-57	Garapan	7 K07XG	NS, 0.78kw, 15-11-06/145-44-30
Logan	12 KUTH	NW, 275kw/659m, 41-47-06/112-13-55			
Manti	29 K30AH	QC from ch. 30, 0.46kw, 39-19-23/111-46-23	<u>Puerto Rico:</u>		
Manti	31 K32AJ	QC from ch. 32, 0.46kw, 39-19-23/111-46-23	Aquadilla	30 new	dismissed (Aguadilla)
Ogden	56 K64CJ	QC from ch. 64, 23kw	Barrio Mora	36 new	dismissed
Salt Lake City	50 KEJT-LP	QG from ch. 48, 8.6kw	Ponce	25 WQTO-DT	PR>310m, 18-04-48/66-44-56
			Quebradillas	48 W48CS	QG from W66BM
<u>Virginia:</u>			<u>Canada:</u>		
Chesapeake	5 WJGN-CA	CC from W05CH	<u>British Columbia:</u>		
Norfolk	45 WNLO-LP	PR>120kw, 36-49-14/76-30-41	Campbell River	3 CBUT-8	PG>10w
Roanoke	38 WPXR	PG>623m, 37-11-37/80-09-25	Port Alice	10 CBUT-17	PG>10w
			<u>Manitoba:</u>		
<u>Washington:</u>			Winnipeg	35 new	AF 20kw, relig.
Moses Lake	49 K49GM	PG from ch. 39, 2.5kw	<u>Ontario:</u>		
			Kitchener	39 new	CTV app withdrawn
			Toronto	52 new	CTV app withdrawn

TV NEWS Forum & Other Stuff is continued on page 12.

January And February Is WINTER E-SKIP Season!
KEEP CHECKING CHANNEL 2 ...every day!

FMI NEWS

EDITOR: GREG CONIGLIO
 90 SLATE CREEK DRIVE APT. #3
 CHEEKTOWAGA, NEW YORK 14227
 E-MAIL: coniglio@adelphia.net
 WEB: <http://www.geocities.com/~wgrc>

Most of the information appearing in this column is courtesy of:
M STREET JOURNAL – P.O. BOX 422 – LITTLETON, NEW HAMPSHIRE 03561
PHONE: (609) 883-3321, FAX: (609) 883-5696, E-MAIL: MstreetTom@aol.com

KEY TO

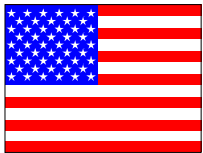


ABBREVIATIONS:

&: 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)
Ital. Calls: LPFM station

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:

Fairbanks: KAKQ 101.1 PC> 32 kW, 571', XC: 64-54-55 / 137-38-52
 Millbrook: WMCZ 97.1 dec. to 702 ft.
 Mobile: WMXC 99.9 Christmas music
 Phenix City: WGSY 100.1 Christmas
 Sylacauga: WTRB 98.3 CC (ex WAWV) "B 98.3"

ALASKA:

Houston: KQEZ 92.1 Christmas (Anchorage)

ARIZONA:

Arizona City: KOMR 106.5 FC romantica // KEDJ, CC (ex KBZR) "Amor"
 Drake: KJZA 89.5 FC to news/talk/jazz // KJZZ, CC (ex KRTE)
 Gilbert: KEDJ 103.9 FC to modern rock, CC (ex KPTY "Edge 103.9")
 Globe: KMMR 100.3 FC to romantica // KEDJ, "Amor" (Phoenix)
 Phoenix: KESZ 99.9 Christmas
 Sun City: KOVA 106.3 FC to romantica, "Amor"
 Wickenburg: KSSL 105.3 FC to regional Mexican //KHOT-FM

ARKANSAS:

Hatfield: KILX 104.1 PG> 28.5 kW, 469', XG: 34-32-42 / 94-18-21

CALIFORNIA:

Carlsbad: KMSX 95.7 FC to oldies "Kool 95.7"
 Delano: KKDJ 105.3 Christmas
 Fresno: KOQO 101.9 inc. to 1959', XC: 37-4-22 / 119-25-53
 Lompoc: KWSZ 105.1 PG 420w, 1217', XG: 34-41-28 / 120-15-58
 Merced: KBKY 94.1 LC
 San Diego: KJQY 94.1 Christmas
 San Diego: KYXY 96.5 PC 26.5 kW, 686', XC: 32-50-17 / 117-14-57
 San Jose: KSJS 90.5 PC> 1.5 kW, 472', DA
 Thousand Oaks: KMLT 92.7 PG 3 kW, 463', XG: 34-12-5 / 118-49-50
 Turlock: KEFC 100.5 NW, "E-Free 100.5" (LPFM), religion from Evangelical Free Church

COLORADO:

Glenwood Sps: *NS 88.1 650w, 2602'
 La Junta: KFVR 106.5 CC (ex KKIK)
 Salida: KSBV 93.7 PG 250w, 2756', XG: 38-26-48 / 106-0-36
 Widefield: KKLI 106.3 Christmas

DELAWARE:

Selbyville: WOCM 98.1 inc. to 469'

DISTRICT OF COLUMBIA:

Washington: WASH 97.1 adds JRN Dave til Dawn, Christmas

FLORIDA:

Fernandina Bch: WXGV 105.3 FC to hot AC "Mix 105"
 Kissimmee: *NS 95.5 55w, 138 ft.
 Marco Is: WGUF 98.9 FC to classic hits

Miami Beach: WLVE 93.9 Christmas
Mt. Dora: WMGF 107.7 Christmas
St. Augustine Bch: WYGV 105.5 FC to hot AC //
WXGV "mix 105"
Titusville: WPIO 89.3 PG> 8 kW, 335 ft.

GEORGIA:

Athens: WBTS 95.5 PC 74 kW, 1115 ft,
XC: 34-7-32 / 83-51-32
Atlanta: WPCH 94.9 Christmas
Cairo: WSLE 102.3 PG> 9 kW, 1145', C2,
XG: 30-40-6 / 83-58-6
Gray: WJZY 96.5 Christmas (may FC to
smooth jazz afterwards) (Macon)
Pearson: WPNG 101.9 C3, 12.9 kW, 459', DA
Thomasville: WLTY 107.1 Christmas
Vidalia: WTCQ 97.7 PC 4.3 kW, 387 ft, XC:
32-13-12 / 82-26-7
Yates: *NS 89.7 1 kW, 322 ft.

IDAHO:

Eagle: KXLT 107.9 Christmas
Lewiston: KATW 101.5 FC to hot AC
Sandpoint: KIBR 102.5 PC> 6 kW

ILLINOIS:

Anna: WKIB 96.5 SI (to return soon)
Chicago: WLIT 93.9 Christmas
Genoa: WYCH 106.3 CC (ex WSQR)
Pana: WMKR 94.3 PC 5.6 kW, 341', XC: 39-
27-8 / 89-17-10
Quincy: WQCY 103.9 PG 1.8 kW, 436', XG: 39-
56-30 / 91-35-3
Taylorville: WTIM 97.3 PC 4.6 kW, 374', XC: 39-
27-8 / 89-17-10

INDIANA:

Crown Pt: WXRD 103.9 reported SI
Ladoga: *NS 89.1 50 kW
Linton: *NS 88.9 1.5 kW, 285 ft.
Lowell: WZVN 107.1 reported SI
Mitchell: WMBL 88.1 LC
New Albany: WLSY 94.7 PC> 3.3 kW, 394'
Noblesville: WGRL 93.9 Christmas "The
Christmas Channel" (Indianapolis), PG
3250w, 453'
Oolitic: *NS 88.9 8 kW, 328 ft.

IOWA:

Belle Plaine: KZAT 95.5 adds ABC oldies (&)
Cedar Rapids: WMT 96.5 Christmas
DeWitt: KBOB 104.9 FC to classic cntry
Osage: KSMA 98.7 PG> 25 kW, 328', C3,
XG: 43-21-43 / 93-2-53
St. Ansgar: KJCY 95.5 PC> 6 kW, 328', XC: 43-
21-52 / 92-51-4, CC (ex KHAM)

KANSAS:

Kansas City: KUDL 98.1 Christmas
Wichita: KRBB 97.9 Christmas
Wichita: KKRD 107.3 dec to 843', XC: 37-46-40
/ 97-30-37

KENTUCKY:

Bardstown: WOKH 96.7 QG to 107.3, 6 kW, 328
ft, CL: Lebanon Junction, KY, XG: 37-43-44 /
85-49-21.2
Prestonsburg: WXKZ 105.5 FC to oldies

LOUISIANA:

Donaldsonville: KNXX 104.9 FC to modern rock
"X 104.9" (Baton Rouge)
Shreveport: KVKI 96.5 Christmas

MAINE:

Camden: WMEP 90.5 LC

MICHIGAN:

Grand Rapids: WOOD 105.7 Christmas "Star
105.7"
Marquette: WFXD 103.3 inc. to 938', XG: 46-36-14
/ 87-37-15
Negaunee: WKQS 101.9 inc. to 1007', XG: 46-
28-42 / 87-37-21
Tawas City: WHST 106.1 RA with cont. Christian
and religion
Walker: WTRV 100.5 Christmas

MINNESOTA:

Anoka: KQQL 107.9 Christmas
Brainerd: WJJY 106.7 inc. 558', XC: 46-26-34 /
94-22-55
Hibbing: KADU 90.1 SI

MISSISSIPPI:

Drew: WRKG 95.3 FC to JRN classic rock
(&), CC ex WOHT "The Classic Rock Station"
Grenada: WOHT 92.3 CC (ex WGRG)

MISSOURI:

Bismarck: *NS 99.5 17.5 kW, 400 ft.
Fayette: KSSZ 93.9 FC to talk "Eagle 93.9"
Hannibal: KGRC 92.9 FC to soft AC
Jefferson City: KLIK 104.1 CC (ex KJCQ) "Click
104"
Kansas City: KSRC 102.1 Christmas
Miner: KBHI 107.1 PC 3.7 kW, 420 ft.\nMoberly: KBKC 90.1 LC
Otterville: KCVK 107.7 CC (ex KOTT), "Spirit
FM"

MONTANA:

Billings: KBEX 105.1 Christmas
Livingston: KPKX 97.5 inc. to 774', XG: 45-40-24
/ 110-52-4

NEBRASKA:

Kearney: KRNY 102.3 PC> 79 kW, 1086', C1,
XC: 40-36-8 / 98-50-21
Lincoln: KBBK 107.3 dec. to 551 ft.
Omaha: KVSS 88.9 PC> 500w

NEVADA:

Ely: KDSS 92.7 PG> 14 kW, C2
Henderson: KMZQ 100.5 Christmas
Las Vegas: KSNE 106.5 Christmas

NEW HAMPSHIRE:

New London: WNTK 99.7 PC> 1450w, DA
Wallcole: WCFR 96.3 CC (ex WLLC)
Woodstock: WMXR 93.9 FC to WW1 classic hits
// WVRR (Hanover/Lebanon)

NEW JERSEY:

Atlantic City: WAYV 95.1 PC< 47.4 kW
Ocean City: WTKU 98.3 FC to oldies
Trenton: WNJO 94.5 FC to classic hits

NEW MEXICO:

Albuquerque: KCHQ 101.3 CC (ex KRQS) "The
Horizon"
Santa Fe: KRQS 105.1 CC (ex KCHQ) "The
Horizon"
Tatum: KTUM 107.1 class C1, 919 ft.

NEW YORK:

Buffalo: WTSS 102.5 Christmas
Kingston: WBPM 94.3 FC to JRN oldies (&)

Lake Luzerne: WBAR 94.7 PG 940w, 830', DA
Vestal: WMXW 103.3 Christmas

NORTH CAROLINA:

Belhaven: WQSL 101.1 CC (ex WANJ) FC to
dance "The Beat" (New Bern)
Burlington: WRSN 93.9 Christmas
Charlotte: WSSS 104.7 Christmas
Hendersonville: WMYI 102.5 Christmas
Hickory: WLYT 102.9 Christmas

NORTH DAKOTA:

Bismarck: KSSS 101.5 FC to classic rock

OHIO:

Bainbridge: WKHR 91.5 PC 750w, 463 ft,
XC: 41-27-49 / 81-17-38
Cincinnati: WVMX 94.1 Christmas
Delta: WRWK 106.5 FC coming soon
(Toledo), modern rock "The Zone"
Delphos: WBIE 91.5 LC
Hamilton: WGRR 103.5 Christmas
Kettering: WLQT 99.9 FC to Christmas
Piqua: WDPT 95.7 XC: 40-13-3 / 84-17-37
Pleasant City: WBIK 92.1 dec. to 169', XC: 40-1-
37 / 81-33-9
Springfield: WDHT 102.9 CC (ex WING) "Hot
102.9"
Toledo: WRVF 101.5 Christmas

OKLAHOMA:

Ardmore: KACO 98.5 PG 14.5 kW, 328 ft, XG:
34-10-4 / 96-58-36
Coalgate: KKFC 105.5 RA with ABC clas. cntry

OREGON:

Bend: KTWS 98.3 FC to classic rock
Scappoose: KFIS 104.1 PC < 1650w, 1266', XC:
45-29-20 / 122-41-40

PENNSYLVANIA:

Erie: WQHZ 102.3 CC (ex WLKK) "Z102"
Fairview: WRPL 93.9 NW, rock (Erie)
Mill Hall: WOJZ 98.7 CC (ex WLTS), FC to
JRN smooth jazz (&) (State College)
Pen Argyl: WWPJ 89.5 NW, classical // WWFM
Pittsburgh: WJJJ 104.7 Christmas
Smethport: WQRM 106.3 PG 1030w, 788'
State College: WLTS 94.5 CC (ex WFGI), FC to
soft AC

SOUTH CAROLINA:

Spartansburg: WSPA 98.9 Christmas

TENNESSEE:

Elizabethton: WPJO 99.3 Christmas
Maynardsville: WOEZ 88.3 CC (ex WASJ) "Easy
88"
Memphis: WRVR 104.5 Christmas

TEXAS:

Abilene: KEYJ 107.9 inc. to 886', XC: 32-16-35
/ 99-35-38
Amarillo: KXLV 89.1 PC > 13.5 kW, C3, 400'
XC: 35-15-39 / 101-52-52
Atlanta: KNRB 100.1 FC to religion
Austin: KKMJ 95.5 Christmas
Cameron: KHTZ 105.1 LC
Dalhart: KXIT 95.9 dec. to 171 ft.
Dallas: KDMX 102.9 Christmas
Flower Mound: KMEQ 96.7 Christmas
Highland Park: KVIL 103.7 Christmas

Lamesa: KTXC 104.7 FC to regional Mexican
Lamesa: KBKN 91.3 LC
Odessa: KBMM 89.5 PG > 8 kW, 535 ft, class
C1, XG: 31-40-35 / 102-21-32
Palacios: KROY 99.7 CC (ex KKOS)
Pearsall: KMMG 104.1 LC
Pittsburg: KDVE 103.1 CC (ex KXAL) "The
Lonesome Dove"
Robstown: KMIQ 105.1 QG to 104.9, C2, 31 kW,
482', XG: 27-56-8 / 97-56-19
Rosenberg: KPTY 104.9 CC (ex KOVA) "House
Party"
Tatum: KXAL 100.3 CC (ex KDVE), FC to
adult standers (Tyler)
Uvalde: KBNU 93.9 QC from 93.7, PC > 25
kW, now class C3
Waco: KWTX 97.5 dec. to 1480', XC: 31-20-
15 / 97-18-37

UTAH:

Centerville: KCPX 105.7 FC to adult alternative
Levan: KCFM 99.1 LC
Nephi: KCSL 103.9 CC (ex KFVR), SI
Tremonton: KENT 104.9 CC (ex KNFL) "K 105
The KAR Cruisin' Classics"

VERMONT:

Burlington: WVPS 107.9 PC 49 kW
Rupert: WMNV 104.1 PG 4.3 kW, 200 ft.
Stowe: WCVT 101.7 PG > 500w, DA, C3,
XG: 44-25-14 / 72-49-42
Warren: WDEV 96.1 PC 400w, 2277'

VIRGINIA:

Bowling Green: WWUZ 96.9 PC > 2950w
Broadway: WBHB 96.1 CC (ex WLTK), "Oldies
96.1"
Clarksville: WICE 98.3 PC 17.5 kW, 390', DA,
XC: 36-29-45 / 78-33-16
Dublin: WPIN 91.5 PC < 85w, ND
Exmore: WEXM 106.1 PC > 30 kW, class B, 266'
Lynchburg: WZZU 97.9 FC to oldies "The River"
New Market: WLTK 103.3 CC (ex WBHB) "Lite
103"
Powhatan: WBBT 107.3 PG 6 kW, 328 ft, XG: 37-
26-20 / 77-51-8
Virginia Beach: WWHV 102.1 inc. to 328 ft, DA,
XG: 36-45-7 / 76-8-57

WASHINGTON:

Quincy: KZML 95.9 CC (ex KGER), FC to
regional Mexican // KZTA (Wenatchee)
Raymond: KFMY 97.7 FC to classic hits, PC >
44 kW, 1322', DA, C1, XC: 46-54-5 / 123-
25-7
Wilson Creek: KWLN 103.3 CC (ex KXXA), FC
to Spanish CHR (Wenatchee), "La Nueva"

WEST VIRGINIA:

New Martinsville: WETZ 103.9 PC 2.5 kW, 502'
XC: 39-39-10 / 80-54-47

WISCONSIN:

Milwaukee: WRIT 95.7 XC: 43-5-24 / 87-54-55
Milwaukee: WLTQ 97.3 Christmas
Mukwonago: WFZH 105.3 NW, Christmas "the
Fish" (Milwaukee)
Nekoosa: WDVM 93.9 CC (ex WZRK)
Sauk City: WMLI 96.3 Christmas
Trempealeau: WFBZ 105.5 FC to ESPN sports //
WKBH (La Crosse)
Wauwatosa: WXSS 103.7 inc. to 843', XC: 43-5-
48 / 87-54-1

WYOMING:

Casper: KMGW 97.3 OSA for 96.7, C2, 2850w
Laramie: KHAT 96.7 CC (ex KKRR)
Midwest: KRVK 107.9 QC from 107.7
Pine Bluffs: KREO 105.3 CC ex KASX, FC to
classic rock "The Big Dog"
Thermopolis: KDNO 101.7 PC 16250w, 1902'



CANADA

ALBERTA:

Calgary: CJAY 92.1 PG< 44 kW, 160m

BRITISH COLUMBIA:

Hope: CBUE 101.7 PG< 105w
Vancouver: CHQM 103.5 PG< 53 kW, 618m
Vernon: CICF 105.5 QG to 105.7

MANITOBA

Winnipeg: *NS 99.1 100 kW app, jazz, 100 kW,
classic hits also applied for
Winnipeg: *NS 90.5 201w. Red River College
(application)
Winnipeg: *NS 100.7 1.3 kW for EZ listening
Winnipeg: *NS 106.3 200w app: Blues / jazz /
dance music
Winnipeg: *NS 107.1 918w app: religion
(reinstatement of CFEQ?)

ONTARIO:

Brantford: *NS 99.5 on testing, to be religion
Campbellford: CKOL 93.7 noted on air
Kingston: CFMK 96.3 PG< 14 kW
Kingston: CIKR 105.7 PG> 24 kW

QUÉBEC:

Les Mechins: *NS 104.1 49w app // CHRM 105.3
Rimouski: CJBR 89.1 PG> 19.4 kW

SASKATCHEWAN:

Dafoe: *NS 100.3 100 kW app // Melfort 105.1
Denare Bch: CJLR 91.9 250w // CJLR 89.9
Melfort: *NS 105.1 100 kW, to be ac/rock
Regina CJME 1300 QG to 94.5, 100 kW (a/c)
Washesiu L: *NS 106.3 7.1 kW // Melfort 105.1



MEXICO

CHIHUAHUA:

Cd. Juarez: XHTO 104.3 FC to CHR

- Saul Chernos writes with some comments on my December column. Regarding the move of 102.9 Morristown, NY to 96.7, he wonders about that, with 96.7 Canton so nearby. A check of the FCC database on www.radiostation.com does show both as 96,7, so that's a good question! A distance check shows the two transmitter locations, for WVNC, and for the proposed Morristown site, is only 39 miles.
- Doug Smith writes to mention that CKDX 88.5 Newmarket, ON (Toronto) applied to exceed the limit of 50% hits (In Canada the CRTC does not allow stations to feature more than half "hit songs"). Seems the station was having problems finding sufficient "non-hit" disco music. They'll have to keep trying: their application was denied.

TV News-January 2002

Forum and other Stuff (continued from page 8)

The FCC Public Notice indicated new station WTPX-46 Antigo, Wisconsin signed on as a digital station, not analog. If true, it would be the first digital-only station to hold a regular (non-experimental) license. WTPX is one of those stations that's too new to get a second channel. They hold both analog and digital permits for channel 46, and may choose which format to sign on with.

In Ontario, two new-station applications have been withdrawn. However, several other applications for the same channels are still on file and being considered.

Note several long-haul moves by LPTVs. The grand prize probably goes to four Columbus, Nebraska stations which are moving all the way across the state, to the Scottsbluff area. Two Michigan stations are headed to Wisconsin. Note also three new VHF stations on the air - KUTH-12, KBBJ-9, KPHZ-11. In that part of the country, they aren't going to appear in many DX reports...

I'm going to keep it short this month, thanks to the holidays I'm out of time.

PHOTO-NEWS

Jeff Kruszka, Editor
5024 S. Braxton Ave.
Baton Rouge, LA 70817
jkruszka@bellsouth.net

January 2002 - Happy New Year!

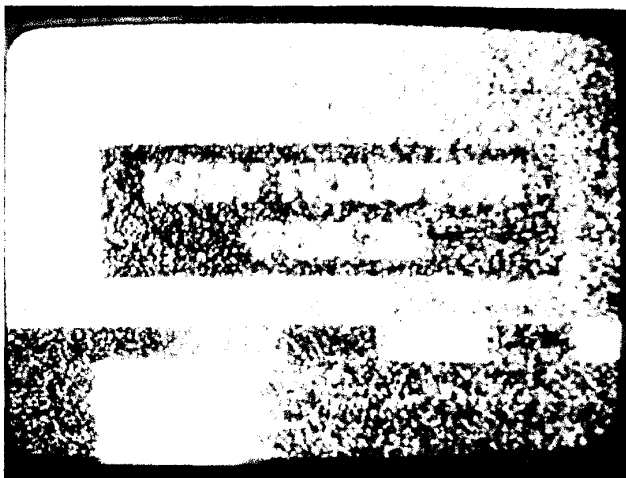
This month we have a bunch of photos from long time contributor Bill Eckberg of Dixon, IL. I've gotten a lot more photos in the last month, so bear with me and I'll try to catch up here shortly.

Equipment:

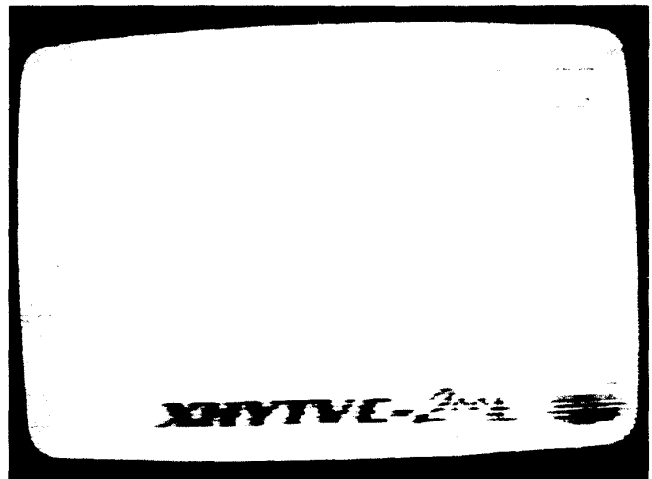
VHF .1997 Orion color TV with CM 1110 @41'. Belden 300 ohm leadin w/RDX Labs UA-60 balun.

UHF .1990 Zenith AC-DC 9" color TV w/C.M. screened 7' dish @52' and RDX Labs UA-903 preamp.

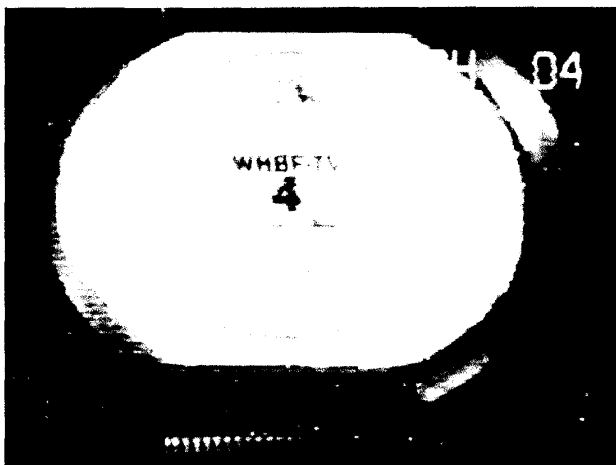
Jerrold RG1 I cable. Rohn 48' crankup tower.



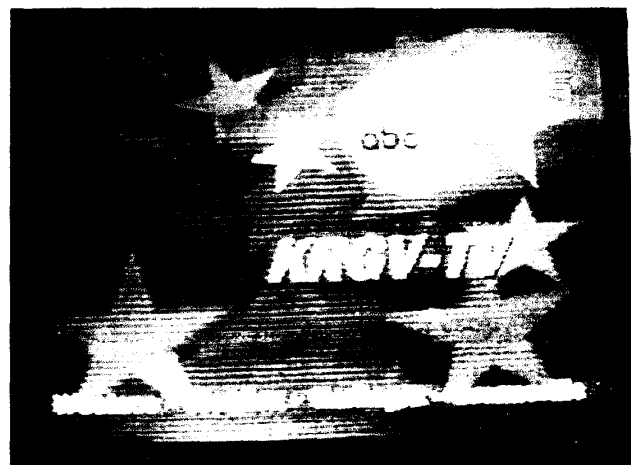
KRIV-26 Houston, TX
893 mi Tr seen 5/8/00
@0450 CDT



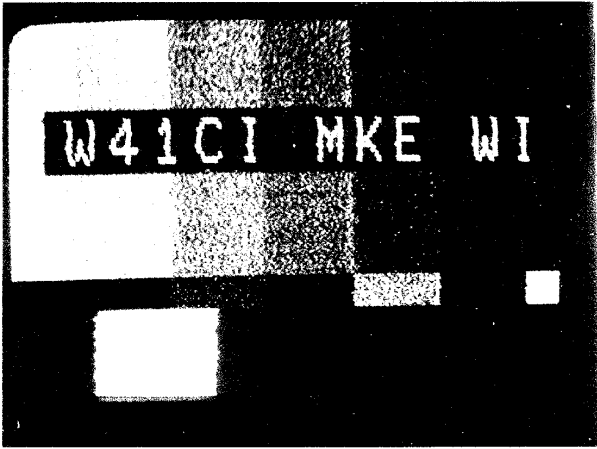
XHY-2 Merida, YU
1408 mi Es seen 6/7/00
@1800 CDT
"XHY-TV C(anal)-2"



WHBF-4 Rock Island, IL
61 mi Gw seen 7/1/00
@1810 CDT
"50th anniversary slide"



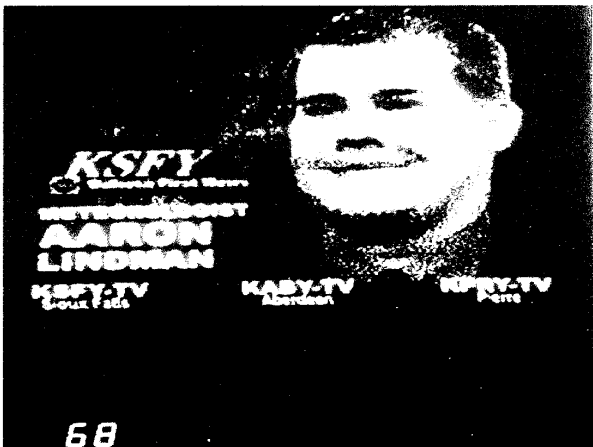
KRGV-5 Weslaco, TX
1189 mi Es seen 7/6/00
@1215 CDT



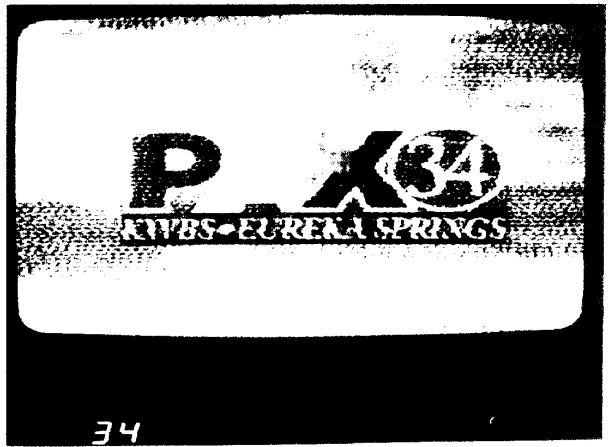
W41CI-41 Milwaukee, WI
118 mi Tr seen 7/13/00
@0225 CDT
"new LPTV on air"



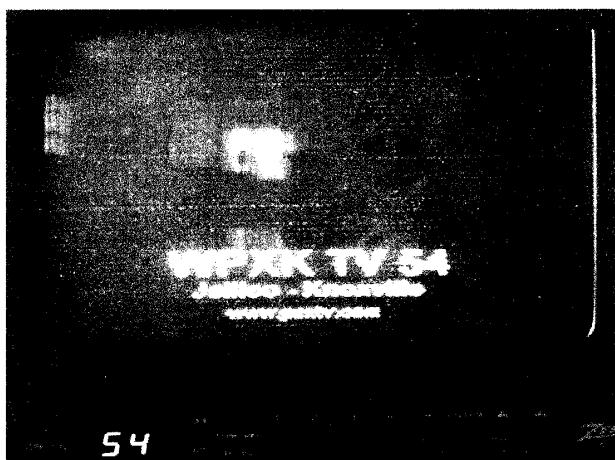
WBZ-4 Boston, MA
918 mi Es seen 8/4/00
@1900 CDT



K68BM-68 Lowry, SD
571 mi Tr seen 8/29/00
@2315 CDT
"xltr of KPRY-4"



KWBS-34 Eureka Spgs., AR
429 mi Tr seen 9/5/00
@0630 CDT



WPXK-54 Jellico, TN
451 mi Tr seen 10/29/00
@0900 CT



WRJM-67 Troy, AL
708 mi Tr seen 11/11/00
@0545 CT

And back when I was still getting tropo (certainly not this year!), I photographed a few stations, including some Es, too.

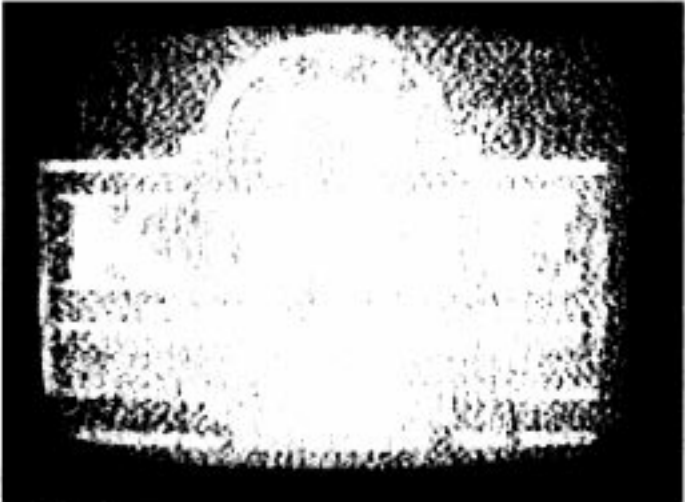
My equipment:

1992 Zenith "Sentry 2" 13" color TV, Channel Master 4228A screened 8-bay w/CM Spartan 3 #0071 preamp and RG-11 1 coax for UHF, Channel Master 1114 Crossfire w/CM #0040 preamp, MFC trap for 88.5 MHz, and RG-6 for VHF, both @20 ft. AGL.



What the @\$%? Is this a foreign country? No, just XH FOX with either a screwup or else their bid to get a VHF channel.

XHFOX-17 Reynosa, TA
535 mi Tr seen 9/4/00
@0200 CDT
"local quality!"



KENS-5 San Antonio, TX
445 mi Tr seen 7/22/00
@0242 CDT

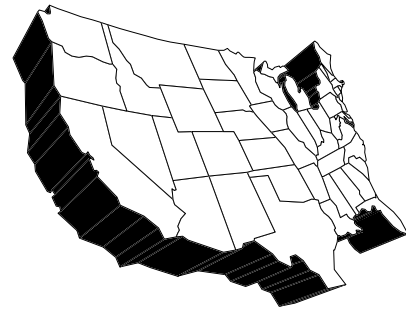
KNME-5 Albuquerque, NM
955 mi Es seen 8/3/00



WCSC-5 Charleston, SC
680 mi Es seen 7/5/00
@1730 CDT

Western TV DX

VICTOR FRANK
12450 SKYLINE BLVD.
WOODSIDE, CA 94062-4554
frank@horizon.sri.com



Dave Pomeroy 2321 SE Libra Ct., Topeka, KS 66605-3505

Nov. 9 tr

1900	WFYI-20	WHMB-40	WXIN-59		
			Indianapolis, IN		507
	WIPX-63		Bloomington, IN		509
	WGEM-10		Quincy, IL		239
	KHQA-7		Hannibal, MO		239

(not very far, but I haven't seen either for a while)

1925	WRTV-DT 25		Indianapolis, IN		507
1930	WKEF-22		Dayton, OH		609
2045	KXFA-28		Cedar Rapids, IA		
2130	KLJB-18		Davenport, IA		
2300	WLKY-32		Louisville, KY		
2310	WSTR-64		Cincinnati, OH		596

Nov. 10 tr

2400	KNLC-24		St. Louis, MO		
	UNID-44		Evansville, IN ?		
0700	KMOV-DT 56	KSDK-DT 35	St. Louis, MO		
0800	KDNL-DT 31*		St. Louis, MO		278

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

September 2001 CDT

1	tr	0530	KSAX	42 MN	404
2	tr	0015	KSAX	42 MN	404
		0035	KXNE	19 NE	402
		0100	KHNE	29 NE	464
		0105	KWCV	33 KS	498
4	tr	2200	KWCV	33 KS	498
		2210	KAKE	10 KS	498
		2220	KCWH	12 KS	512
5	tr	0120	KSAS	24 KS	498
		0400	KSAX	42 MN	404

November 2001 CST

10	tr	0330	WCFT	33 AL	593
12	tr	0300	WFIQ	36 AL	483
			WCFT	33 AL	593
		0310	WLMT	30 TN	451
		0415	WPTY	24 TN	451
		0425	WAAY	31 AL	503
		0430	WZDX	54 AL	503
			WJKT	16 TN	419
		0455	WKDH	45 MS Houston	536
		0500	WAFF	48 AL	503
		0930	WPXX	50 TN	451
17	tr	0115	WOAC	67 OH	417
18	ms	0405	CKCK	2 SA	918
19	ms	0210	CKCK	2 SA	918
20	ms	0215	CKCK	2 SA	918

November 12 saw 600 mile tropo into MS and AL. Memphis and Jackson, TN stations were

snowfree. Nashville stations were strangely absent.

I received Spanish again at 0510 on ch. 28 briefly. After checking with a St. Louis dxer, I discovered the signal was definitely W28AI in Salem, IL. My 1072 mile logging in January of KORO-28, during a LA opening was undoubtedly Salem also. After nearly 50 years in the hobby, a dxer can still be badly mistaken on occasion. Some religious oriented stations carry Spanish programming.

During the last great meteor shower til 2099 at 0400 on November 18, I saw one meteor outside in five minutes. TV reception was more productive. Chs 2-6 filled with hash similar to auroral activity. The unique TP of CKCK-2 was seen several times upwards of 30 seconds pulsating, weak, and often with an image displaced two inches from the main signal on a 13 inch TV. The next morning I saw the same TP for a full minute. The pix was snowfree on occasion this time. Can Es be induced by an avalanche of meteors? Several pix were taken.

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

This report is for November 2001. Tropo conditions along the southern-California coast between Santa Barbara and San Diego/Tijuana as monitored on TV-FM (up to 250mi/320km) held up fairly well until late in the month, when gradual cooling and stormy weather finally finished off any stable air layers and putting tropo signals into nonexistence for the time being.

Nov 1-5 am:	Very poor (Nov 4 light rain)
Nov 5 eve:	Fair (Layering returned; fog)
Nov 6-7:	Poor
Nov 8-9:	Fair
Nov 10 am:	Poor & deteriorating (cooling)
Nov 10 eve:	Very poor (rain)
Nov 11:	None
Nov 12:	Almost none (Rain)
Nov 13-14:	None
Nov 15-16:	Poor
Nov 17-18:	Fair
Nov 19-21:	Between fair & poor
Nov 22-30:	None (Nov 22 windy)
	(Nov 24 rain, colder)
	(Nov 29 rain)

Best of DX and Happy Holidays to all. Dennis



Mount Hood provides a majestic backdrop for this KOIN-TV ID slide. Channel 6 was second on the air in “The City of Roses” and was co-owned with the *Oregonian* (newspaper). The CBS affiliate began telecasting October 15, 1953.

PORTLAND ON PARADE

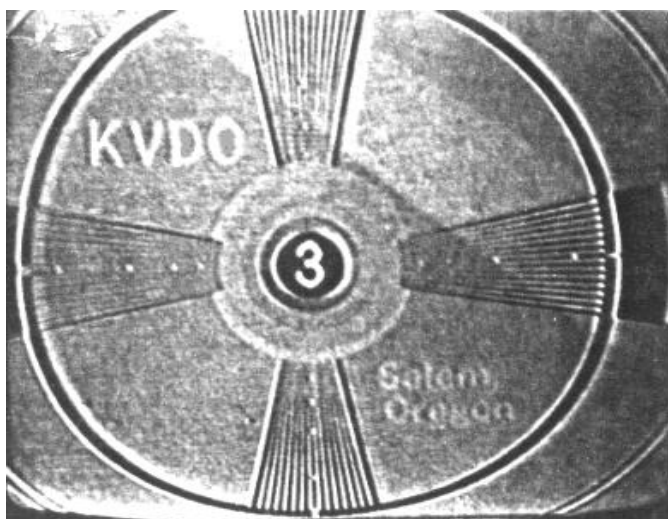
(From the collection of Robert J. Williams of Twin Falls, ID. He's the WTFDAer who creates those fantastic hand-drawn circular test patterns. It was my pleasure to meet him last July at the WTFDA convention in Boise.)



KATU was a latecomer, signing on in 1962. The call letters were assigned minus the customary -TV suffix. The ABC affiliate was co-owned with the KOMO group of Seattle.



The Bullitt family, owners of the KING stations in Seattle, established Portland's fourth television station in late 1956. KGW-TV signed on as an NBC affiliate. Portland is one of the few large markets where the three major networks remain with the same affiliate stations that originally carried them.



Here's a *very* rare photo. Salem, in the Portland market, had a low-v allocation; but KVDO was plagued with financial and reception problems. After a short time on the air, the station went dark. Later, the city of license was changed to Bend and the station was reborn as non-commercial KOAB-TV.



KPTV was the call sign for the first commercial UHF operation in the United States. With a September 20, 1952 startup, channel 27 was also Portland's first station...but not many people saw it. Viewers were poorly-equipped to receive the UHF signal, and after a five year struggle KPTV merged with the original channel 12 (KLOR-TV) which had started up in 1955. On May 1, 1957, channel 27 ceased operation and at the same time the KPTV calls were moved to channel 12. Storer Broadcasting started the station. Chris Craft Corporation was among other early owners.

Eastern TV-DX

Matthew C. Sittel
15013 Eureux Circle
Bellevue, NE 68123
mcsittel@home.com

January 2002

February 2002 column deadline Jan. 12

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 wonder as I type this if it will feel like winter yet. Only a couple of snow flurries here in Nebraska so far. There are quite a few reports this time, so maybe the DX doesn't know it's winter yet either...

John Vervoort, 217-79 Street, Brooklyn, NY 11209-3607

Equipment: 19" Sharp TV and standard-sized Channel Master outdoor antenna atop a 6-story building.

12/4 tr (early evening)

WTNH-8	CT New Haven	85	WTXF-29	PA Philadelphia	83
WCAU-10	PA Philadelphia	83	WVIT-30	CT New Britain	116
WPHL-17	PA Philadelphia	83	WNJT-52	NJ Trenton	51
WUVN-18	CT Hartford	129	unIDs-53,54		
WTXX-20	CT Waterbury	99	WPSG-57	PA Philadelphia	83
WNJS-23	NJ Camden	83	WCTX-59	CT New Haven	85
WLWC-28	MA New Bedford	216	WACI-62	NJ Atlantic City	114
	"UPN 28"		WUVP-65	NJ Vineland	117

My reception of WLWC-28 was a big surprise. This was the only station I received from the Providence, RI-New Bedford, MA market. The WTFDA Station Guide lists this station as having a directional transmitter with elliptical polarity and 5000kW ERP video, 229 meters. This set-up is interesting as well as the orientation of the beam tile. I had a color signal for about an hour.

Rick Shaftan, Sparta, NJ

shaftan@ptd.net

11/13 tr

1742 W19AR-19 PA Clarks Summit 63
// WYOU-22

11/18 tr

0653 W51??-51 PA Williamsport 121
religion // 24 xltr, no Clarks
Summit which has yet to be heard

0715 WEAO-49 OH Akron, PBS 364
0819 CKCO3-42 ON Sarnia 402
"CKCO-TV" promos
0830 unID-29+ probably Sarnia
0902 WXYZ-7 MI Detroit 454
0956 WJBK-2 MI Detroit, Fox News 452

Jim Ayers, Norcross, GA

jimayers@raider.net

12/2 tr

0515 WLDM-23 AL Tuscaloosa 201

(WLDM is) new to air, listed in some places as // WABM-68, but at this hour, at least, running America's Store while 68 aired a test pattern. Continuous calls lower left!

Doug Smith, Pleasant View, TN

w9wi@w9wi.com

<http://www.w9wi.com>

Equipment: Radio Shack 19" TV, "large" RS VHF antenna, "100-mile" corner reflector, both at 15'. WTTK and WTVF-DT logged with same UHF antenna but Hauppauge WinTV-D tuner card in homemade K6-2/450 PC. Milwaukee DTVs logged with Hauppauge card & K6-2 but indoor rabbit ears.

10/23 GW (Menomonee Falls, WI)

----WMVS-DT-8 WI Milwaukee

11

four channels of PBS

---- WTMJ-DT-28 WI Milwaukee

11

// analog ch. 4 <1>

11/6 GW

~0900 WTVF-DT-56 TN Nashville

19

// analog ch. 5 <2>

11/9 tr

0852 WCFT-33 AL Tuscaloosa 223
"ABC 33/40"

WJSU-40 AL Anniston 201

WLOV-27 MS West Point, bug 212

WKDH-45 MS Houston, local wx 212

WMAV-18 MS Oxford, MS ETV

207

WGCL-46 GA Atlanta, ID "bug" 237

WHSB-63 GA Monroe, TBN 253

WUPA-69 GA Atlanta 237

0903 WATC-57t GA Atlanta

0920 KASN-38 AR Pine Bluff 318

Little Rock ad

WTTO-21 AL Homewood 202

ID w/WDBB-17

11/10 tr

0000 WYIN-56 IN Gary, ID bars

342

WTTK-29 IN Kokomo, WB4 promo 276

WDKY-56 KY Danville <3> 163

WXIN-59 IN Indianapolis 245

"Fox 59"

WSTR-64 OH Cincinnati, bug 238

WKEF-22 OH Dayton 276

WRGT-45 OH Dayton 276

0030 WLIO-35 OH Lima, local ad 339

WKRC-12 OH Cincinnati

WFFT-55t IN Fort Wayne, Fox55 340

(or Springfield, IL but

not open that way)

WCLJ-42 IN Bloomington 213

unID-57 TBN probably Florence, AL

0604 K62EG-62 MO St. Louis 230

"KEFN 62" over church service

WMAW-14 MS Meridian, MS ETV 315

WMPN-29 MS Jackson, //14,18 344

W35AH-35 TN Jackson, 110

WCFT-33 AL Tuscaloosa 223

WKEF-22 OH Dayton 276

Promo includes WRGB-45

WRGT-45 OH Dayton 276

11/12 tr

0743 WICS-20 IL Springfield 267

WCIU-26 IL Chicago, "U TV" 379

KSPR-33 MO Springfield, SPR 328

WCLJ-42 IN Bloomington 213

KVTJ-48 AR Jonesboro 199

"VTN", Arkansas logo

WIPX-63 IN Bloomington 213

WXIN-59 IN Indianapolis 245

unID-40 TN, Holly Springs, MS?

WHSL-46 IL East St. Louis 231

WEHS-60 IL Aurora, //WHSL 379

WGBO-66t IL Joliet 380

Weak CCI vs. WJFB

WRSP-55 IL Springfield 267

Notes:

1. My first DTV reception, made at my parents' home about 11 miles west of the transmitters.
2. First DTV in the log from home. Main virtual channel (56-2) is parallel to analog channel 5. They also carry "Newschannel 5+", parallel to cable channel 50, on 56-3.
3. I'm told WTF-DT is 24/7 so WYIN and WDKY were logged through the local DTV.

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

Not a lot of DX since early September, but I do have a little to report. Did solve some of my unIDs from the Sept. 1-7 openings. Here are some of them: WIWB-14 Suring, WI, KJMH-28 Burlington, IA (Bob, I'm not sure if you mean KJMH-26 or KFXA-28 Cedar Rapids, IA-mcs), WHPN-57 Janesville, WI, WYOW-34 Eagle River, WI, WQOW-18 Eau Claire, WI, WWR5-52 Mayville, WI, WPXB-60 Merrimack, NH, WUPV-65 Ashland, VA, WMBC-63 Newton, NJ, W60AI-60 NYC.

As for any DX since early September:

Oct. 1 late into morning of Oct. 2: Ft. Wayne U's, Angola, IN 63, Canadians to north and northwest in strong, Toledo-Bowling Green, OH in strong. Only other DX was some tropes scatter into central NY and PA.

Did see a little E-skip on channels 2 and 3 at end of October but no IDs, also a little tropes into Ft. Wayne and Angola, IN and some Michigan tropo.

In midst of opening here starting Nov. 17 into morning of 18th and still good at 1100 as I write this. Evening of 17th brought Angola, IN 63, Ft. Wayne U's and strong signals out of Toledo and Detroit. Then in morning of 18th observed Battle Creek, MI U's, Scranton, PA U's, Philly 57, Muskegon, MI 54, Lima-Bowling Green, OH 27/35/44, also 46 South Bend, IN, Kalamazoo, MI U's, weak Milwaukee, 14 Suring, WI, Cadillac, MI 33, Wingham, ON 45, Canadians on 18,20,21,34,55,67 not normally seen, Flint, MI 66, Saginaw, MI 49, Lansing, MI U's. In general most V's and U's seen all had signals up. Weather has been good for this time of year.

After sealing my report in envelope I left for a while and upon returning I found E-skip coming in about 1230 on the 18th so more to report. KATC-3 Lafayette, LA, also CBS on 5 (Mobile, AL?-mcs), and skip on 2, 4 and 6 also but no IDs. Very tough for E-skip also as all low channels were heavy loaded with tropes and strong signals. Tropes still continuing with Canadians getting super strong with several U's having double Canadians. Will wait till morning of 19th before closing this time.

That's it for now. Bob Seybold.

Roy Barstow, P.O. Box 2488, Teaticket, MA 02536

11/15 tr
 1730 W24BI-24 VA Virginia Beach
 WYDO-14 NC Greenville 562
 WHRO-15 VA Hampton
 W35BH-35 VA Virginia Beach
 W45BG-45 VA Virginia Beach
 1800 WEPX-38 NC Greenville
 W63AM-63 VA Craddockville
 W65CP-65 VA Chesapeake
 W60CV-60 NC Greenville, from 54
 W19BX-19 VA Williamsburg
 WPXU-35 NC Jacksonville
 W18BS-18 VA Hampton
 2300 W56CS-56 VA Portsmouth
 11/18 MS
 0504 unID-12 card "Soul Train" ant. W.
 0526 unID-12 alert test logo L/R weak
 11/18 tr
 0530 WWBT-12 VA Richmond
 WNCT-9 NC Greenville
 1600 WVEC-13 VA Hampton
 15/27/33/43/49 eastern VA
 WNEP-16 PA Scranton
 WYOU-22 PA Scranton
 1850 WJZ-13 MD Baltimore
 WLVT-39 PA Allentown

WITF-33 PA Harrisburg
 WLYH-15 PA Lancaster
 WBFF-45 MD Baltimore
 1908 WRAZ-50 NC Raleigh
 WOLF-56 PA Hazleton
 WTVE-51 PA Reading
 WUNM-19 NC Jacksonville
 WUPV-65 VA Ashland
 WNCN-17 NC Goldsboro
 WEPX-38 NC Greenville
 2358 WUNP-36 NC Roanoke Rapids
 11/19 tr
 0030 WUNJ-39 NC Wilmington
 660
 0135 WQPX-64 PA Scranton
 2000 Bangor, ME area
 2020 CBHFT5-46 NS Middleton
 W45BG-45 VA Virginia Beach
 W35BH-35 VA Virginia Beach
 WJHJ-19 VA Williamsburg
 2100 W66BZ-66 VA Suffolk
 11/25 tr
 0015 W15BK-15 NH Hanover
 W33AK-33 NH Nashua
 WVTB-20 VT St. Johnsbury, rare

For MS local ch.12 off-air on 11/18, but TR too strong to use antenna on tower. I used the cut ch. 11-13 antenna on the house to a WNW direction. This worked okay, and after 12 RI back on the air, I went to ch. 13 and had 3 hits but too weak. Went outside and counted 20 meteors in 10 minutes. Most were weak magnitude 3-4. Two were magnitude 0. A nice show. Last time I watched a good meteor shower was back around 1960, the August Perseids. Nowadays the Perseids are petering out. For the past month have been also using a ch. 11-13 cut antenna w/amp at 14', this aimed to a more or less clear horizon to my SW. No hits after 20 tapes reviewed. So it seems for hi-band MS work, a higher antenna needed.

12/3 tr
 0830 WNCN-17 NC Goldsboro 592
 WRAZ-50 NC Raleigh 590
 WNCT-9 NC Greenville 562
 0900 WFXI-8 NC Morehead City 570
 1500 WVBT-43 VA Virginia Beach 450
 WHRO-15 VA Hampton 457
 WTVD-11 NC Durham 591
 WRAZ-50 NC Raleigh 590
 1630 WVEC-13 VA Hampton 455
 2315 WNCN-17 NC Goldsboro 592
 WEPX-38 NC Greenville 562
 WPXU-35 NC Jacksonville 577
 WUNP-36 NC Roanoke Rapids 533
 WUNU-31 NC Lumberton 650
 WUNJ-39 NC Wilmington 660
 WLFL-22 NC Raleigh 591
 2358 WKFT-40 NC Fayetteville 616
 12/4 tr
 0030 W18BS-18VA Hampton 450
 W31BG-31VA Yorktown 452
 WRPX-47 NC Rocky Mount 565
 W24BI-24VA Virginia Beach 450
 0100 WPDE-15 SC Florence 688
 WBTW-13 SC Florence 687
 0730 WNLO-45 VA Virginia Beach 450
 0810 WUNJ-39 NC Wilmington 660
 1745 WAVY-10 VA Portsmouth 450
 WJHJ-19 VA Williamsburg 462
 W26C?-26 ?? ¼ CB, tone
 W19BX-19VA Williamsburg 462
 WPXU-35 NC Jacksonville 577
 W60AL-60VA Onancock 420

WPPX-61 DE Wilmington 310
 WWBT-12 VA Richmond 463
 WFXI-8 NC Morehead City 570
 WNCT-9 NC Greenville 562
 W18BB-18NC Elizabeth City 490
 WBOC-16 MD Salisbury 341
 WCPB-28 MD Salisbury 345
 WMDT-47 MD Salisbury 345
 W65CP-65VA Chesapeake 460
 W66BZ-66VA Suffolk 460
 W31BG-31VA Yorktown 440
 W39BW-39VA Newport News 450
 WEPX-38 NC Greenville 562
 WPSG-57 PA Philadelphia 265
 2000 WEDY-65 CT New Haven 185
 rare, 8kW
 12/5 tr
 0130 WYDO-14 NC Greenville 562
 WNCN-17 NC Goldsboro 592
 WRLH-35 VA Richmond 463
 WMPT-22 MD Annapolis 363
 WUNP-36 NC Roanoke Rapids 533
 WUNM-19 NC Jacksonville 577
 W41AC-41 VA Onancock 420
 W44AD-44 VA Onancock 420
 W60AL-60 VA Onancock 420
 0225 W63AM-63 VA Craddockville 410
 WRAY-30 NC Wilson 575
 WLFL-22 NC Raleigh, lcl qual 591
 WITN-7 NC Washington 565
 WCTI-12 NC New Bern 577
 WTVD-11 NC Durham 591
 0410 W60BR-60VA Virginia Beach 450

WVAN-9t GA Savannah		WYDO-14 NC Greenville	562
WRAZ-50 NC Raleigh	590	W18BS-18VA Hampton	450
W34AX-34NC Henderson	575	W24BI-24VA Virginia Beach	450
At U/R on screen 595.770 on ICOM		W19BX-19VA Williamsburg	462
0540 WUPV-65 VA Ashland		WPXU-35 NC Jacksonville	577
1120 WSFX-26 NC Wilmington	660	WEPX-38 NC Greenville	562
WUNJ-39 NC Wilmington	660	2200 W63CW-63NC Goldsboro, TBN	592
1128 WUNM-19 NC Jacksonville	577	from ch. 59	
1830 W52AB-52VA Craddockville	410	<u>12/6 tr</u>	
WNCN-17 NC Goldsboro	592	1100 WUNJ-39 NC Wilmington	660
W18BB-18NC Elizabeth City	490	WSFX-26 NC Wilmington	660
23/40/48/50/52/53/63 New Jersey		2000 W39BW-39VA Newport News	450
WPXV-49 VA Norfolk	450	W35BH-35VA Virginia Beach	450
W56CS-56 VA Portsmouth	450		

A correction: the antenna used to catch 2Es YNTC-2 Managua, Nicaragua, was a Winegard CC-3123 10 element cut for ch. 2-3 at 14' high, fixed to southwest with Titan II amp.

Last year I used 3 fixed antennas to tape Es, with 2 to 3 VCRs. The system above plus a fixed B/T 2-6 aimed south without amp and a fixed stagger stack of cut ch. 2-3 antennas without amp aimed SE all around 12' high. One does not need high antennas to catch distant Es.

I have since taken down the stagger stack ch. 2-3 antennas, and got a new B/T 2-6 antenna. The other antennas being mostly used for taping Es while I am at work. This new Blonder-Tongue low band I now have up on a tripod on top of the house. It has a rotator so I call it the "Rover". This antenna on the south side of the house will be used while I am at home to check out conditions to my southeast to southwest for any 2Es stations. Also this new antenna will fill a need to pick up Es to my northeast at a lower height than the antennas on my tower. I like the B/T low band antennas for it is not a long antenna, yet it has good pick up ability. Also it can be rear-mounted to the south side of my house. One could even mount it onto a tree!! Gee, I am running out of space on my house and I do have trees around.

That's all for this month... seen any good TV DX? Why not share it with everyone? YOUR report would be a nice addition to the regular reporters feature above. Take a moment and share the DX! 73s Matt.

METEOR SHOWER GUIDE

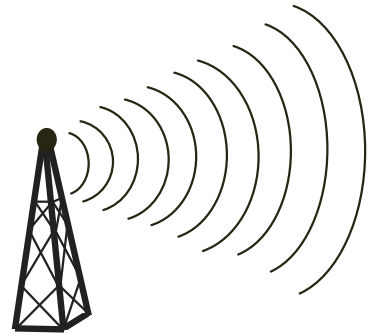
Meteors are constantly entering the earth's atmosphere...every hour of the day and every day of the year. Here is a list of upcoming meteor showers we can look forward to in the near future. Happy MS Dxing!

SHOWER NAME	DATES	PEAK DATES
Gamma Velids	January 1-17	January 5-8
January Draconids	January 10-24	January 13-16
Eta Craterids	January 11-22	January 16-17
January Bootids	January 9-18	January 16-187
Delata Cancrids	Dec14-Feb 14	January 17
Alpha Hydrids	January 15-30	January 20-21
Eta Carinids	January 14-27	January 21-22
Canes Venaticids	January 13-30	January 25-26
Alpha Leonids	January 13-February 13	January 24-31
Capricornids-Sagittariids(days)	January 13-Februaru 28	January 30-February 3



Only One Club covers TV and FM DXing
In North America and that's US!
TV – FM – WEATHER RADIO – 30-50 F2
The Worldwide TV- FM DX Association
"Tough to Beat"

Northern FM DX



Keith McGinnis
387 Shirley Street, Winthrop, MA 02152
longwave@mediaone.net

John Ebeling 9209 Vincent Ave So. Bloomington, MN
Equipment: Pioneer TX-9500 tuner w/modified IF's & Stereo Probe 9 antenna. About 25 feet AGL.

November 18, 2001 MS

0330 WSIX 97.9 Nashville TN

"...the big 98 WSIX.... 691 miles

0510 WZQQ 97.7 Hyden KY

"...ZQQ in...." 741 "

0530 KWGB 97.7 Colby KS

"...in Colby..." 546 "

That's it. The tape was running most of the night- had a hell of a lot of listening to do afterwards to pick out the ID's.

December 12, 2001 MS

0115 WACO 99.9 Waco TX
"Texas country WACO 100"... 916 miles

A "W" call in a "K" state....another oddity.

KEITH MCGINNIS 387 SHIRLEY ST WINTHROP MA
Equipment: Modified Yamaha T-85 with narrow filters installed—
APS 9 at 20 feet AGL
ON denotes overnite RDS catch all other times are EST

October 9, 2001 MS

ON WWSA 89.9 Brule WI
RDS catch 68F8

November 16, 2001 MS

0340 WDAV 89.9 Davidson NC
RDS catch 5CA9

November 18, 2001

0300~ CBSM 89.5 Sault Ste Marie ON
RDS catch CB34

0400~ WLTM 99.7 Sturgeon Bay WI
"Magic"

November 23, 2001 Tropo

2155 WRNX 100.9 Amherst MA
ID

November 24, 2001 Tropo

2054 WRSI 93.9 Turners Falls MA
ID

2145 WXXK 100.5 Lebanon NH
Local adverts

MIKE BUGAJ 69 Sherman Road Enfield, CT 06082
Equipment: Carver TX-11 modified with a 110khz filter, Probe 9 @ ~30ft agl.

December 3, 2001 TR

Coastal tropo with many NC Fmrs. 2125 WYFI-99.7, WRSF-105.7 and WOLC-102.5; 2126 WWSO-92.9 with soul mx (423mi), 2152 WWOC-94.5 Hatteras "Water Country 94.5; 2220 WIKS-101.9 Kinston Kiss-102; 2247 101.1 Bellhaven (92-3 and 101.1 the Beat); 2250 WLGP-100.3 Harkers Island; 2250 WXNR-99.5 "99X" and 2255 WNHW-97.1 Hatteras w/Classic Hits Country. Heard a few nice MS bursts on 102.5 on 12/12 and 12/13 after 9:00pm EST but no Ids.



WTFDA ScanLog 30-50mhz loggings!

The year 2001 F2 season is here. Here is a rundown of what your fellow WTFDA members are hearing on their TVs, receivers and scanners. All information is from posts on the WTFDA list.

Nov 19

1430Z Encountered YU1LR(Yugoslavia). At 1500Z VO1ZA(NF), EI5FK(Ireland) and OX3VHF (Greenland). Also loud (S8) R1 video buzz. –Doug Smith (TN)

Nov 19

IS0MVE(Sardinia) on cw and FY5KE (Fr Guiana) on SSB. Also 9HIXT Malta. Country total at 76 –Jeff Kadet (IL)

Nov 23

48.240 and 48.250mhz video buzz very strong at 1000 EST – Mike Bugaj (CT)

Nov 23

Had some video buzz earlier now the whole band from 31-42 is hot with F2. Heard mentions of Fresno Ca on 35.x and some French mixed in there on 35.x as well. Chips are in –Michael Temme-Soifer. (NJ)

Nov 23 This afternoon I heard a harmonic of Radio Marti on 43.35mhz in AM mode. 43.35 is the highest freq that I've heard SW harmonics on –Bill Hepburn (ON)

Dec 1 Signals from the UK up to S8. Many are saying this is the best F2 season since 1979 –JK

Dec 2 Video buzz again on 48.240/250 –MB

Dec 6 Worked MU0FAL on Guernsey for country #81 –JK

Dec 9 I have E2 buzz up to “3 bars” strength on the R100. No hints of video to speak of –WRH

Dec 9 Friday and Saturday we had the best openings to Alaska yet. AL7QH who was running 5 watts and a longwire –JK

Dec 12

0847 CST heard DK2PH Germany. I managed my first ever voice two-way contacts with

Europe on 50mhz and more contacts with Europe than on any single day before. Also had plenty of E2 and R1 video carriers, countries assumed:

48239.5 Germany
48242.1 Portugal
48244.8 ?
48247.3 Germany
48250.1 Spain (is the xmtr still on?)
48252.6 Norway
48255.1 ?
48260.4 Germany
48260.8 ?
48261.0 ?
48263.0 ?
49739.6 Hungary or Czech Rep.
49744.8 Hungary
49749.9 ?

Dec 12

Rcvd a QSL today from WP4N Puerto Rico for reception via F2 on 50.1 on Nov 19 – Morris Sorensen(MB)

Dec 12

We had another 6m opening to Japan tonight! It started at 2220z and lasted until around 2310z. I worked 7 stations on cw. December 12, 2001 is going to go down into the history books as an unusually good day for DX from these parts. How much longer will these incredible conditions continue? –JK

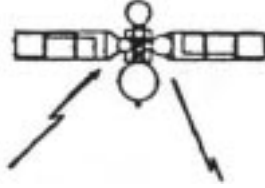
Dec 13

Got up at 8 am, nothing doing on 50mhz. About 8:45 S51D1 Slovenia calling cq and loud. Go looking for more signals and there's a weak 9A (Croatia)...by 8:52 the band is completely dead. -DS

Dec 16

Video buzz on 48.250 again –MB
Jeff Kadet reports F2 to Europe again on 50mhz and just another routine opening...yawn!

Satellite News



George W. Jensen
4604 Anntana Ave.
Baltimore, MD 21206-4220
SCISATMAN@AOL.COM

HAPPY NEW YEAR 2002

First some changes that concern satellites covered so far.

SATCOM C4

100 - Starz West/101 - Starz East/103 - Plex East/104 - Starz Cinema West

GALAXY 1

The occasional Shop-At-Home on transponders 9 and 14 sharing with ESPNs Alternatives have not been noted in months.

And now to a continuation of the reviews.

GALAXY 5 - 125 wEST - March 10, 1992 - 10 years - 24 16 watt transponders - FORMAT - Odds - Horizontal/evens - vertical polarity. 1 - Disney Channel - East VC2/2 - vacant/3 - Trinity/4 - Sci-Fi VC2/ 5 - CNN VC2/ 6 - WTBS Superstation - Atlanta VC2/ 7 - WGN Superstation - Chicago VC2/ 8 - HBO - West VC2/ 9 - ESPN VC2/ 10 - Infomercials/ 11 - ABC Family Channel - East VC2/ 12 - Discovery Channel - West VC2/ 13 - CNBC - VC2/14 - ESPN 2 VC2/15 - HBO - East VC2/ 16 - Cinemax - West VC2/17 - TNT - Turner Network Television VC2/ 18 - TNN - The National Network - East VC2/ 19 - USA - East VC2/ 20 - BET - Black Entertainment Television VC2/ MPEG Feeds for BET at 4551V/6000/ 21 - Lifetime East VC2/ 22 - CNN Headline News VC2/23 - A&E Arts and Entertainment - East VC2/ 24 - Showtime - East VC2 AUDIO SUNCARRIERS - 3 - tRINITY rADIO 5.58/5.76 5 - CNN Radio News at 7.56 /6 - Brother Stars at 6.44 , World Radio Network at 6.20 and another at 6.80 / 7 - WCPE Raleigh (Wake Forest) at 5.58 and 6.12 / WFMT - Chicago at 6.30 and 6.48 / Yesterday USA Superstation at 6.80 / 17 - CNN En Espanol at 7.56 / Soul Music 106 FM at 5.56 and 5.76 / 22 - CNN News Radio at 6.2

GALAXY 10 at 123 West - March 2000 - 12 years - C and Ku Band - 24 16 watt C Band transponders and 24 Ku Band transponders C Band first - Transponder 4 - Feeds/ 5 - Showtime Digicipher Feeds/ 7TVN or Pay-Per-View Digicipher feeds/ 9 - TVN Pay-Per-View Digicipher Feeds/ 11 - Toon Disney Digicipher Feeds/ 12 - TVN Pay-Per-View Digicipher Feeds/ 13 - TVN Pay-Per-View Digicipher Feeds/ 14 - Showtime Digicipher Feeds/ 15 - Showtime - West VC2/ 16 - TV Land VC2/ 17 - Nickelodeon - West VC2/ 18 - The Movie Channel - West VC2/ 19 - MTV - West VC2/ 21 - ESPN News VC2/ 22 - Feeds/ 23 - A&E West VC2/ 24 - Outdoor Channel/ 101 - Showtime West/ 102 - Showtime 2 West/ 103 - Showtime 3 West/ 104 - Showtime Extreme West/ 105 - Showtime Beyond West/ 110 - Flix West/ 111 The Movie Channel - West/ 112 - The Movie Channel 2 - West/ 117 - The Sundance Channel - West/ 120 - Showtime HDTV Test - West/ 125 - Showtime Next West/ 126 - Showtime Family West/ 127- Showtime Women West/ 301 through 334 - Pay-Per-View (TVN) - NOTE THAT PREVIEW CHANNELS AT 300 and 335 are deleted./ 780 - Guthy-Renker Infomercials 1/ 781 - Guthy-Renker Infomercials 3/ 783 - Guthy-Renker Infomercials 4/ 820 through 864 - DMX Music Channels at the moment. - rumor has it that Music Choice may be returning here at some time tin the future. MPEG 2 On the KuBand - transponder 15 - 11990V/2386 - University of Southern California Distance Learning. Transponder 13 - 11960V/27688 - the following:KBS Satellite Channel (Korea), SBS Seoul Korea, YTN, WOW Sat, ISC, and on audio only - Radio Korea. Analog feeds may be found on other transponders from time to time.

That's all for this month - see you in 30. 73's George

SOUTHERN FM DX

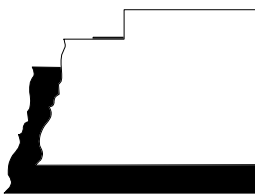


John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
Jpzondlo@aol.com
Deadline: 10th

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

JANUARY 2002

1911 KVLU	91.3	TX	Beaumont, "91.3 KVLU"
<u>11/18 Tr</u>			
1846 KYKS	105.1	TX	Lufkin, "Kicks 105.1"
1848 KMAT	105.1	TX	Seadrift, "This is the KHCB Radio Network, also Broadcasting on 105.1 KMAT Seadrift..."
1902 KOVA	104.9	TX	Rosenberg, "...100.7 and the new 104.9 House Party"
<u>11/22 Tr</u>			
1805 KYKZ	96.1	LA	Lake Charles, "KYKZ Kicks 96"
1813 KIOX	96.9	TX	El Campo, ID
1851 KQXY	94.1	TX	Beaumont, "Continuous Hit Music 94.1"
1902 KYKR	95.1	TX	Beaumont, "Kicker 95.1"
<u>11/23 Tr</u>			
0014 KAYD	97.5	TX	Beaumont, "97.5 and 101.7 KAYD"
0032 KPLX	99.5	TX	Dallas, "99.5 The Wolf"
0043 KISS	99.5	TX	San Antonio, "Kiss 99.5"
0058 KSHN	99.9	TX	Liberty, "Shine All-Nine is KSHN 99.9"
0103 WACO	99.9	TX	Waco, "Texas' number one country, WACO 100"
0117 KUST	99.7	TX	Huntsville, "Country radio's biggest variety is on 103.7 and 99.7 K-Star Country"
<u>11/24 Tr</u>			
1619 KPVU	91.3	TX	Prairie View, "The Uncle Moe radio show right here on KPVU 91.3"
<u>11/30 Tr</u>			
1920 KHLA	99.5	LA	Lake Charles, "You're listening to Bob & Sheri on LA 99"
2018 KIOX	96.9	TX	El Campo, "96.9...X-97... El Campo-Bay City"
<u>12/1 Tr</u>			
1542 KNCT	91.3	TX	Killeen-Copperas Cove, "KNCT FM...Simply Beautiful 91.3"
1558 K216CJ	91.1	TX	Galveston, "You're tuned to Family Radio...this is translator K216CH 91.1 FM Galveston TX"
<u>12/2 Tr</u>			
1559 KAXF	88.3	TX	Conroe, "We are American Family Radio for the whole Family, 88.3 KAXF Conroe"
<u>12/6 Tr</u>			
1719 KEZB	105.3	TX	Hempstead, //KULF 94.1 Brenham, "94.1 & 105.3 KEZB"
<u>12/7 Tr</u>			
0742 KKYS	104.7	TX	Bryan, "Mix 104.7, your Clear Channel Communications station Palacios, ID at 2339, "Escuchamos...desde Bay City, Texas...Radio Luz 99.7"
2338 KROY	99.7	TX	



Doug Smith - W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
w9wi@w9wi.com/CST
www.w9wi.com

Technics ST-G50 tuner, big Radio Shack VHF-TV antenna at 15'

<u>11/9 Tr</u>			
0845 WZZK	104.7	AL	Birmingham, calls 202
0900 WAWI	89.7	TN	Lawrenceburg, legal ID, AFR 79
0900 WRAX	107.7	AL	Birmingham, local ads 202
0915 KSYG	103.7	AR	Little Rock, local talk 322
<u>11/10 Tr</u>			
0026 unID	98.3	??	??, "98.3 FM The Beat"
0122 unID	101.3	??	??, "Z 101-3"
0952 WECO	101.3	TN	Wartburg, call ID & local ads
<u>11/12 Tr</u>			
0806 WTTS	92.3	IN	Bloomington 213
<u>11/18 Ms</u>			
0405 CBMt	93.5	QU	Montreal, c
0453 CBCL	93.5	ON	London, "CBC Radio One," only R1 on 93.5 545
0522 unID	94.9	??	??, FF CHR, likely CIMF
<u>11/18 Gw</u>			
0406 WMMG	93.5	KY	Brandenburg, "WMMG Country 93" 120

CBCL was heard several more times on the morning of 11/19. I need to stake out 93.5 more often, though I fear all I'm ever going to ID is CBCL!



Stephen H. Ponder
P.O. Box 890442
Houston, TX 77289-0442
n5wbishp@blkbbox.com
CST

Radio Shack DX-398 with stock whip antenna, GE Superadio III with stock whip antenna, (+) Onkyo TX-1500 MK II with cheap FM dipole antenna

11/10 Tr

2350 KMKS 102.5 TX Bay City, promo, ad for El Campo Cycle, "KMKS... your regional news voice"

2354 KTCX 102.5 TX Beaumont, "Magic 102.5, home of Tom Joyner in the morning"

12/8 Tr
0337 KTJM 98.5 TX Port Arthur, "La Raza"

12/13 Tr
0745 KYYK 98.3 TX Palestine, "Lone Star 98 morning show" and "Lone Star 98"

0749 KULM 98.3 TX Columbus, "Texas Country
98.3 KULM," local ad

2336 KJOJ 103.3 TX Freeport, //KTJM

12/14 Tr
0001 KRTX 100.7 TX Winnie, "KRTX 100.7..KLTO
104.9..House Party"

1835 KAMX 94.7 TX Luling, local ad, "Mix 94.7"

2107 KMKS 102.5 TX Bay City, "Hot country 102.5...the all new Texas hot country 102.5"

2114 KXGJ 101.7 TX Bay City, "Pure country 101.7 FM"



Gus Mancuso
5706 Greenleaf Rd.
Cheverly, MD
20785-1112
EDT


Radio Shack DX-440 modified, rabbit ears

Here are the results of a bandscan from the Holiday Inn, Tarboro NC, 10/20-22:

Total: 136 from NNW side, 105 from SSW, 96 from car only. States: NC 98, VA 30, SC 5, MD 2, unID 1. Worst frequency: 91.1 (none), best 95.9 and 100.3 (3 each).

I was a little disappointed with the total.

Despite slightly above average temps, I did not get much outside of NC and VA.

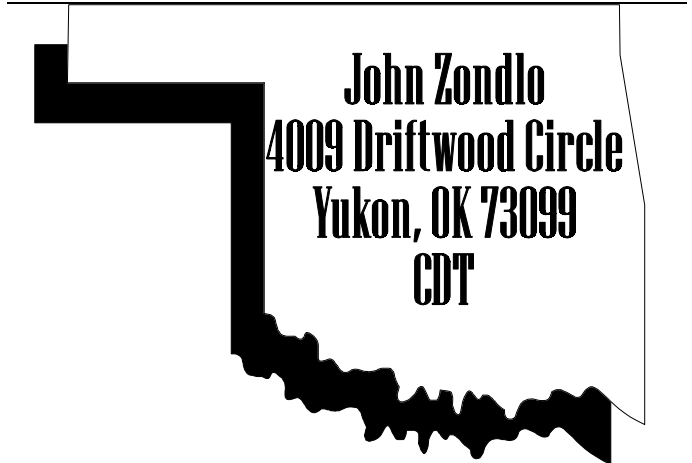


William McGuire
2412 59th Pl.
Cheverly, MD 20785-2918
EST

11/8 Tr
2350 WOCQ 103.9 MD Berlin, promo mentioning Salisbury, "OC-104"

11/9 Tr
0000 WZXL 100.7 NJ Wildwood, "ZXL," CNN radio

nx



John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
CDT

Akai AT-VO4 (w/150 kHz IF filters), Stereo Probe 9 antenna, Conrad RDS Manager, all new

7/20 Es
1623 WFSY 98.5 FL Panama City, local spots, RDS "Sunny"

1631 WBVD 95.1 FL Melbourne, o/semi-local KQCV, traffic rpt

1740 WBSN 89.1 LA New Orleans, extremely short skip, "Lifesongs"

1755 WMJY 93.7 MS Biloxi, local spots

1803 WVMQ 107.9 FL Key West, SS

8/6 Es
1146 WLPT 88.3 GA Jesup, RDS "WLPT"

1223 WGPN 90.7 GA Albany, "Masterful 90.7"

1230 WAZO 98.3 NC Long Beach, "Channel Z"

1253 WHIF 91.3 FL Palatka, prayer requests

8/11 Ms
2314 KQSD 91.9 SD Lowry, RDS "KQSD"

8/17 Es
2259 KAPC 91.3 MT Butte, MT Public Radio ID

2300 KUWG 90.9 WY Gillette, WY Public Radio ID

2306 KCVI 101.5 ID Blackfoot, "Idaho's rock station"

8/22 Es
1711 WCQR 88.3 TN Kingsport, jingle, CCM

1715 WTFM 98.5 TN Kingsport, calls

1723 WKJS 104.7 VA Crewe, "Kiss FM"

1723 WAFX 106.9 VA Suffolk, concert spot

1733 WAGO 88.7 NC Snow Hill, southern g

1757 WYND 92.3 NC Nags Head, local spots

1948 WBMZ 103.7 GA Metter, "The Boomer"

8/23 Es
2129 WJNR 101.5 MI Iron Mountain, high school football

2135 WJKL 101.5 ON Kirkland Lake, "K-Lake"

2141 WDQV 88.5 MI Mackinaw City, "Dove FM"

8/24 Es
1211 KRWG 90.7 NM Las Cruces, c, time check

1925 WRVO 89.9 NY Oswego, "Theatre of the Mind"

**Happy New Year
from
Southern FM DX!**

Mid-Latitude Sporadic-E – A Review

Michael Hawk - November 12, 2001

INTRODUCTION

Purpose

Over the years, many observations, theories, and discussions have taken place surrounding the sporadic-E (E-skip) phenomenon. This article was originally written in response to a brief review of the basics of sporadic-E that I wrote for the April 1993 VUD. Unfortunately, other obligations prevented this article from being completed to my satisfaction until now. Although a large amount of material exists on the subject, I have not found one concise source of theories, correlations, and facts. And many of the subjects overview papers oversimplify or misrepresent some of these theories.

It is the purpose of this paper to provide a review of sporadic-E knowledge from a DX'ers perspective, while simultaneously bridging in observations from academia.

It is important to keep in mind that the ideas conveyed herein are theories, hypotheses, and observations. The fact remains that the catalyst for sporadic E is unknown and the behavior of mid-latitude sporadic E is unpredictable. When you start to believe that correlations and observations are fact, sporadic E will surprise you with an inexplicable result.

CONTENTS

- 1.0 Background
 - 1.1 Ionosphere Overview
 - 1.2 Sporadic-E Definition
- 2.0 Sporadic-E Characteristics
 - 2.1 Ionization
 - 2.2 Distances Propagated and MUF
 - 2.3 Cloud Movement
 - 2.4 Daily Variation
 - 2.5 Monthly Variation
 - 2.6 Annual Comparison
 - 2.7 Sunspot Cycle
 - 2.8 Worldwide Occurrence
- 3.0 Sporadic-E Mechanisms
 - 3.1 Introduction
 - 3.2 Ionospheric Wind Shear
 - 3.3 Thunderstorms and Associated Phenomena
 - 3.4 Other Weather
 - 3.5 Meteors and Cometary Origin
 - 3.6 Geomagnetic Activity
- 4.0 Sporadic-E Classifications
 - 4.1 Introduction
 - 4.2 Temperate Es
 - 4.3 Equatorial Es
 - 4.4 Auroral Es
 - 4.5 Type n Es
 - 4.6 Backscatter
- 5.0 Cloud Formations
 - 5.1 Two-cloud formations
 - 5.2 Tilted Clouds
- 6.0 Conclusions

1.0 BACKGROUND

1.1 Ionosphere Overview

The ionosphere is the region of the Earth's atmosphere containing free electrons and atoms, and associated ions produced by the sun's ultraviolet radiation (<100 nm wavelength).¹ The ionosphere is known to influence radio wave propagation of frequencies up to around 300 MHz, and is located in the lower portion of the thermosphere, beginning at about 80 km altitude.²

The ionosphere is known to consist of several distinct regions of ionization. Altitude, consistency, and ion type differentiate these regions. The first discovered subregion was named the E layer (E for Electric Layer). At later dates, additional layers were discovered at lower (D region) and higher (F region) altitudes.

¹ One nm = 10⁻⁹ meters

² One mile = one kilometer X .62

The D region is primarily known for its absorption of radiowaves at low frequencies. It quickly dissipates at night, allowing distant AM radio reception to occur.

The F region is the primary refractor/reflector of HF (shortwave) frequencies. Its “reflectivity” displays a direct relation to solar activity. During years of peak solar activity, the F region will have a much higher ionization density, allowing for higher frequencies and sharper angles of waves to be reflected. TV DX’ers and 6 Meter ham operators look forward to solar cycle peaks, as those years are when the F region can bring distant DX up to 50 or 60 MHz.

The E region of the ionosphere is located about 90 to 160 km in altitude. The height can vary a little, and, along with electron [ionization] density, depends on solar zenith angle and solar activity. During daylight hours, electron density (a measure of the ionization level) can reach 10^5 electrons/cm³. At night, when the supply of x-rays from the sun is cut off, ionization levels drop to 10^3 e/cm³. These ionization densities are expected under normal conditions, absent of sporadic-E.

1.2 Sporadic-E Definition

Within the E region, very thin regions of extremely dense ionization can form. These regions can apparently be caused by several mechanisms, and have a wide variety of characteristics. Because of this, one single definition cannot be completely accurate. According to the Space Environmental Services Center, “sporadic E (Es) is transient, localized patches of relatively high electron density in the E region of the ionosphere which significantly affect radio wave propagation. Sporadic E can occur during daytime or nighttime, and it varies markedly with latitude. Es can be associated with thunderstorms, meteor showers, solar activity, and geomagnetic activity.”

There are several problems with this definition, but it seems to be the best “official” definition available. This definition provides no insight into the diurnal characteristics of Es. The definition lends too much credence towards the thunderstorm and meteor shower correlations. The relationship with thunderstorms has been highly controversial in amateur circles, but most academia studies have ruled out such possibilities. The relation to meteor showers is still highly studied, as some indirect correlations have been observed. Both of these possible Es mechanisms are discussed in more depth later in this paper.

A much more precise definition of Es was found in a book titled “Worldwide Occurrence of Sporadic E”, written by Ernest K. Smith, PhD, 1957.³ Sporadic E was defined as “a comparatively strong and protracted transmission (several minutes to several hours) “returned” from the E region of the ionosphere by some mechanism other than the normal reflection process from the daytime E layer.”

Through the use of careful and generic wording, this definition fits almost any type of Es currently known.

The careful wording of Dr. Smith’s definition is important, because there are a wide variety of sporadic-E types. In the temperate latitudes alone, through the use of ionosondes (data displayed in ionogram format), four have been identified.⁴ See figure 1. An ionogram shows the altitude at which different frequency waves are reflected back to the originating point.

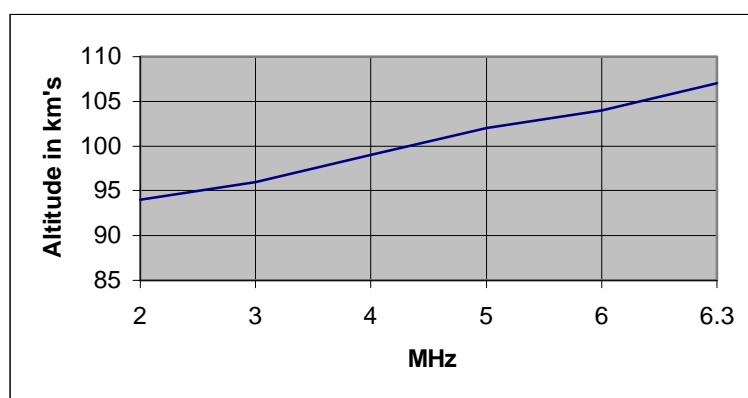


Figure 1 Sample Ionogram

³ National Bureau of Standards Publication. A few copies are available through rare bookstores for \$20-\$80. May 2001 check of Amazon.com revealed 2 copies available through independent dealers.

⁴ An ionogram is a plot of the group path height of reflection of ionospherically returned (echoed) radio waves as a function of frequency. Figure 1 is an example. Vertically incident measure the date for this graph.

An ion is an atom or group of atoms having an electric charge. This results when a neutral atom or group of atoms loses or gains one or more electrons. For this reason, either ion density, or more commonly electron density, can be used for ionospheric “strength” calculations. The most common E region ions are O^{2+} , O^+ , and NO^+ , as well as some metallic ions.

The reason an atom or group of atoms may lose an electron is primarily through the well-documented impact of solar radiation. Throughout the day, the level of production of ions exceeds the level at which the ions recombine with electrons. At night, the production of ions ceases with the setting of the sun, and the slow process of recombination gradually lowers the electron density. Additionally, recombination rates are inverse to altitude. This can be demonstrated by the fact that the D region diminishes quickly at sunset, minimizing absorption of low frequencies (< 8 MHz). If it weren't for this fact, long range propagation on the AM broadcast band wouldn't occur until well after sunset. At the “higher” regions, enough electrons continue to persist throughout the night, allowing refraction in the E and F regions to continue all night.

As previously mentioned, normal ionization levels in the E region during the day are around 10^5 e/cm³. Note that Es can have ionization levels twice the normal amount. This high density accounts for the high maximum useable (refractable) frequencies (MUF) that occur with Es. There are several formulas which, through the use of electron density, approximate the critical frequencies⁵ (f_oEs), MUF's, and other parameters. Many are highly inaccurate extrapolations from other propagation types.

Although ionization levels are quite high when Es occurs, the highest levels are generally confined to very small patches, commonly referred to as clouds. The shape of the clouds is likely ragged, and not true circles or ellipses. Additionally, clouds have been shown to have concave undersides in many instances, with tilts up to 10°. For simplified calculations, however, they are often thought of as pure circles or ellipses, with axis parallel to the horizontal plane. In cases such as these, the diameter of the cloud could be to several hundred km. The vertical thickness of these clouds is usually quite small – no more than a few km thick. The thickness of clouds has been measured by rocket flights through ionized areas.

During large/intense Es outbreaks, elevated ionization can be very widespread. In these conditions, the concepts of Es “clouds” is tough to identify at lower frequencies. Embedded in this “sheet” of elevated ionization density are small patches of very high ionization. At higher frequencies, these very dense areas can be identified, and the “cloud” concept holds.

2.2 Distances Propagated and MUF

Through the use of simple geometry, it can be figured that the theoretical maximum distance for a transmitted signal to be propagated after only one encounter with the Es region (“single hop” propagation) is 2100 km. This appears to be very accurate for the HF bands (< 30 MHz), but many transmissions exceeding 2350 km have been observed in the VHF bands. This is likely due to much improved “groundwave” and tropospheric characteristics, which add distance to the theoretical maximum on both sides of the typical model.⁶ Figure 2 shows average distances received on FM broadcast and TV broadcast frequencies. The average FM distance is likely longer because of the simple relationship between electron density and critical angle of propagation. In other words, it is “easier” for the atmosphere to produce shorter distance propagation in the lower frequency low-band VHF range.

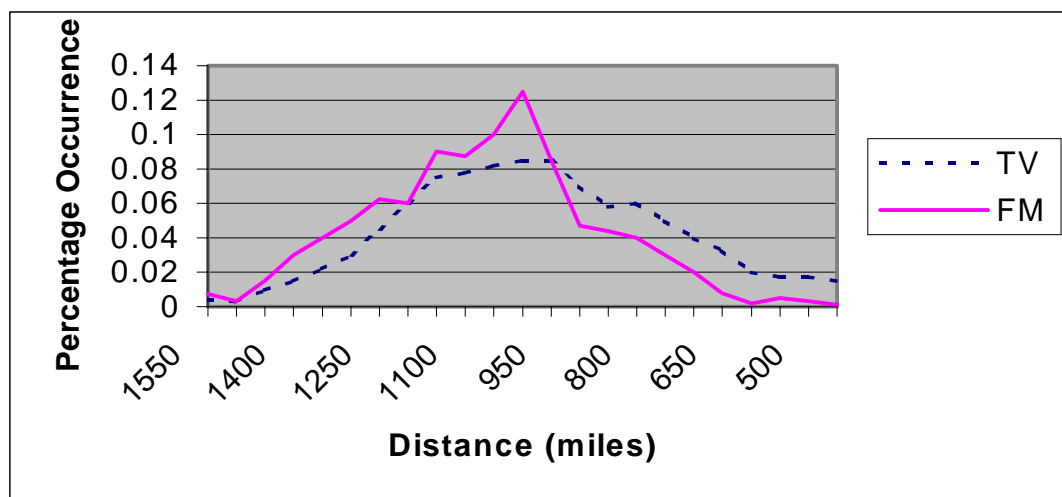


Figure 2 Distance propagated at FM and low band VHF TV frequencies, collected from VUD reports

⁵ Critical Frequency (f_o) is the highest frequency that reflects/echoes a vertically transmitted radio wave back to the transmission point. A relatively low critical frequency can result in a “high” MUF, given that the waves related to the MUF are encountering the ionization at a high angle (no perpendicular as is required for critical frequency measurements).

⁶ Many believe a gradual bending of the wave occurs, as the density of the media changes, rather than mirror-like reflection. Although this is not pure refraction either, refraction is the generally accepted term.

SIGN UP/RENEWAL FORM

Name_____

Address_____ Apt #_____

City_____ State/Prov_____ Zip_____

Country_____ Interests: TV () FM () 30-50() Weather()

email address_____

Sign me up/renew me for: 1 year () 2 years () More ()

Yearly dues \$24 to US addresses, \$26 to Canada and Mexico
\$38 to the rest of the world (payable in U.S. Funds)

Mail your dues to: WTFDA, P.O. Box 501, Somersville, CT USA 06072

Make your checks/money orders payable to: DAVE JANOWIAK

And *thanks* for your support of the WTFDA!

Return this form with your dues or make a copy of it and return that.

EDITORS AND SUBMISSIONS

Send your reports and station info to these folks.

THE MAILBOX and all general club correspondence:

Mike Bugaj at WTFDA, PO Box 501, Somersville, CT 06072

mbugaj@snet.net

SATELLITE NEWS

George Jensen, 4604 Antana Ave., Baltimore, MD 20206-4220

scisatman@aol.com

TV NEWS

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

w9wi@w9wi.com

FM NEWS

Greg Coniglio, 90 Slate Creek Dr., Apt#3, Cheektowaga, NY 14227

coniglio@adelphia.net

PHOTO NEWS

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

jkruszka@bellsouth.net

TV TIME TUNNEL

Tom Bryant, 849 Todd Preis Dr., Nashville, TN 37221-2607

tjbdx@home.com

EASTERN TV DX

Matt Sittel, 15013 Eureux Circle, Bellevue, NE 68123

mcsittel@home.com

WESTERN TV DX

Victor Frank, 12450 Skyline Blvd., Woodside, CA 94062-4554

frank@horizon.sri.com

SOUTHERN FM

John Zondlo, 4889 Driftwood Cir., Yukon, OK 73099

jpzondlo@aol.com

NORTHERN FM

Keith McGinnis, 387 Shirley Street, Winthrop, MA 02152

longwave@mediaone.net

WTFDA://ONLINE

Saul Chernos, 57 Berkeley St., Toronto, ON M5A 2W5

schernos@sympatico.ca

VERIFICATIONS AND QSL SIGNERS

Tom Yingling, 221 Pinewood Road, Baltimore, MD 21222-2345

ka3tcc@erols.com

TV and FM STATISTICS

Fred Nordquist, 7945 Boxford Road, Clay, NY 13041

nordquis@twcnny.rr.com

Know somebody who might want to see a sample VUD?

Get their name and get their address and

e-mail it to mbugaj@snet.net or mail it to P.O. Box 501 ASAP!