

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 2000

PEAK CONDITIONS EXPECTED...



AIM THAT ANTENNA NORTH FOR AURORAL DX!



WORLDWIDE TV-FM DX ASSOCIATION
PO BOX 501 - SOMERSVILLE, CT 06072



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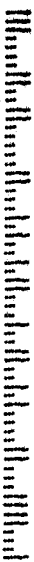
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WORLDWIDE TV-FM DX ASSOCIATION

Serving the VHF-UHF Enthusiast

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

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FROM THE STAFF:

THE GOOD NEWS...and the bad: First, the good stuff. The Eastern TV DX column editorship has been accepted by a long-time resident of that region, Matt Sittel. Matt, who now lives in the Omaha area, has contributed to a number of WTFDA efforts over the past 15 years. He's detail oriented, meticulous, and highly qualified to handle the position. Thanks Matt, and welcome back. The bad news is that on the heels of filling the ETVDX opening, *we are about to lose another excellent column editor.* Greg Coniglio has requested that we find a replacement editor for Northern FM DX. While he will continue his work with "FM NEWS" and remain a member of the Board of Directors, Greg noted that he simply needed more time to work with other areas of personal interest. The Northern DX FM column is widely read and has excellent member input contribution. If you're interested in assuming the editorship or learning more about the job, contact Greg. No one knows the ropes better than he.

BRISK SALES: The WTFDA's "2000 Television Station Guide" was a hot item at the special pre-publication price offered prior to the first of this month. If you overlooked sending your order, the price to hobbyists is now \$19.95 (USD) which includes shipping and handling. Send your check to WTFDA, P.O. Box 501, Somersville, CT 06072. Complete details regarding content appear in last months "From The Staff".

SKIP: Fernando Garcia is reporting frequent 1000+ mile tropo openings from his Monterrey, MX QTH to the southeastern U.S. Other Tr has been noted along the Atlantic and Gulf coasts. A few February scatterings of Es were spotted in southern CA, AZ and the midwest.

CONVENTIONS: Here's another reminder that Peter George is hosting our annual meet August 11-13 at Whiteface Chalet near Lake Placid, NY. Get full details at this recently updated web address: <<http://welcome.to/lakeplacid2000>>. Those who attended our convention there in 1995 may recall that the facilities, while ideal for our group, were shared with vacationers; thus a gentle nudge now to get your room reservations made early. *The NRC (National Radio Club) will hold its traditional Labor Day weekend convention in Lima, OH; Fred Voebbe is hosting. The IRCA (International Radio Club of America) Convention will be held August 25-27 in Billings, Montana; a repeat co-hosting engagement for John and Nancy Johnson. Both of the radio clubs welcome WTFDA members at their gatherings.* If you want more information about either of the radio gtgs, or you aren't able to access Peter's web-based WTFDA information, write or e-mail Tom Bryant, 849 Todd Preis Drive, Nashville, TN 37221 <tjbdx@home.com> for printed material.

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WTFDA MAILBOX

P.O. Box 501

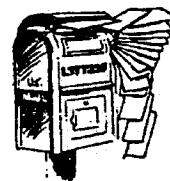
Somersville, CT 06072

Mike Bugaj

ikon@netcom.com

WAITING FOR DX

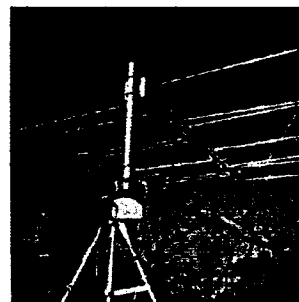
Well, the bears were hibernating in February, and for the most part, so were the TV and FM Dxeers. There was just not much going on last month except for a little tropo caught by Fernando and some 42 mhz F2 skip heard by Fred Nordquist, Bill Nollman and myself. But the crummy weather and DX conditions didn't stop us from picking up some new members. Welcome to Michael Cooper in Stone Mtn., Ga, Karl



Leite in Natal, Brazil (who came in under the buddy system), and Dave Allen from Valparaiso, IN. Also welcome back to Keith Smith in Flat Rock, MI, Burton Zacks in Atlanta, John Broomall in Duluth, GA, and Doug McAbee in Goodrich, MI. Amazing to see Georgia represented three times this month. As for renewals we have Bruce Elving, Peter Oprisko, Brian Farnsworth, Scott Hood, Roger Sabella, Winston Smith, Wally Dickson, Jim Pizzi, John Zeis, Paul Hansen, and Nate Ely. And I say THANK YOU ALL for making out a check to the WTFDA and for being part of the club!

Well, I hope that photo of me in the last VUD didn't scare anybody. My first reaction was that the photo was of somebody who got arrested for robbing a 7-Eleven. There is one crazy thing about printing photos in the VUD...you NEVER know how they'll come out, and up 'till last issue I was lucky. If you are wondering how orders are going for the WTFDA TV Station Guide, we have 50 orders as of February 13th, and our ad just appeared in the March QST. Remember, the price goes up to \$19.95 after March 1st. And remember, if you are a WTFDA member you can be part of the WTFDA Email list at Topica.com. Topica has made our list one of their picks. To be a Topica Pick you have to be an exceptionally informative and worthwhile list. We know we are, and now they know it too. Since DX has been virtually nil the past few weeks, we have had instead good discussions on parabolic antennas, Howard Stern and LPFM. So, give it a try. You may like it.

ARE YOU FOND OF SAND DUNES AND SALTY AIR? How about quaint little villages



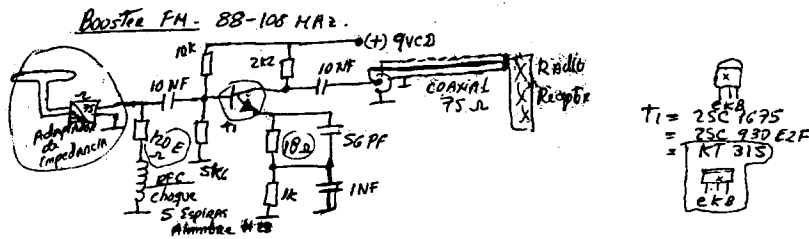
here and there? No? Well how about UHF tropo to Florida? Well, lets take a little trip out to Cape Cod to check out Roy Barstow's newest toy. Roy send a photo of his newest antenna...the Blonder-Tongue BTY-LB-LP low band antenna. The picture you see here is Roy's antenna, end-fired and sitting on a tripod on top of a shed in Roy's yard. Roy uses this antenna for tropo and meteor scatter. The antenna feed goes to an RDX Labs VHF preamp, then to his television. Roy finds that he gets more MS pings using this system than when he used his CM-1110. He has also tried using this antenna mounted on his roof, but the semi-local Boston stations were too strong and mounting it on the shed proved better.

In his letter he wrote about some great hurricane tropo he received back in October from GA, TN and NC. And from Dec 8-9 he had one fantastic opening down the coast from NC, SC and Miami (23/33/39 and 45). I can only dream. By the way, the list on that B/T antenna is \$300.00 but Roy got it from Toner (Electronics ?) For \$149 plus \$12 shipping. This photo is also on my website (<http://pages.athome.net/fmdx>) and available for viewing there. After I got the letter from Roy, I decided to give him a call and check into things a little deeper. I found he is planning to stack these low band antennas on top of his tower. He plans to stack four of these, two horizontally with another two stacked horizontally about 16' above the first two. Also the diagram he sent showed four hi-band VHF B/T antennas also stacked the same way on the same mast. It should be a sight to see! Anyway, I really enjoyed talking to Roy and I hope that he'll give us a call when Florida is in again so we can spread the word on the WTFDA email list. Any who knows...maybe someone else in the area will see something from the Sunshine State!

A Blank email sent to WTFDA-subscribe@topica.com gets YOU on the list!

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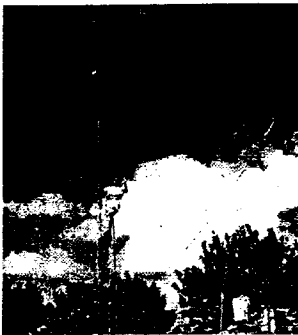
CARIBBEAN BREEZES. WTFDA member Alexei Marrero Cruz checks in from the island of Cuba. For TV DXing Alexei uses a 14" black and white TV covering ch 2-83, and for FM he has a Sanyo CMKS-356 HB with a dipole roughly 12 meters from the ground and 2.4 meters from end to end. Alexei also drew plans for an FM booster which he uses, and you will find them below.



I think the schematics above will come out good enough so you fellows who like to tinker with this kind of thing will have fun trying it yourself. Alexei also sent along a list of FM stations that he normally hears daily from his location in Holguin. Here is the list: 89.1 R.Taino, Holguin (R.Turistica), 90.0 Unit. Jamaica (BBC via satellite), 91.5 Radio-2 Jamaica (Kingston)// 100.3, 91.7, 92.7 FEIM-FM Montego Bay Jamaica (Top10, soul, rock, reggae), 93.8 CMKW R. Mambi Santiago de Cuba, 94.1 RJR-FM Kingston Jamaica, 94.5 CMKG R. Victoria Las Tunar, Cuba, 95.3 CMKX R. Bayamo, Gramma Cuba, 97.9 CMKO R. Angula, Holguin, 98.5 CMBC R. Progreso Havana, 100.3 Radio Two-FM Kingston Jamaica, 101.4 CMKC R. Revolucion, Santiago de Cuba, 101.7 R. Sigma FM Kingston Jamaica (religious), 102.9 R. Rebelde, Holguin, 105.5 Auri-FM Kingston Jamaica //106.7, 106.1 Power 106 FM Kingston (Jamaica's #1 Contemporary Station Power 106 FM) and 106.7 Auri FM in Kingston. Also listed under "other tropo stations" are R.Taino Havana-93.3, R. Rebelde Havana 96.7, R. Surco Creyode Avila-98.1, R. Taino Varadero (Matanzas) on 98.1 (which I heard here a couple of years ago!), R. Reloj Havana-101.5, R. Taino Santiago de Cuba-101.3 and Habana Radio-101.9 Havana. I have been able to decipher most of Alexei's letters by using translation programs on the internet. Recently I went out and bought a Spanish-English dictionary at the book store. I know that Alexei could probably write in English but he's forcing me to learn Spanish, and for that I thank him :)

RADIO CAMP TO THE RESCUE! Recently a letter came in the mail from WTFDA member Mark Humenyk in Weston, Ontario that informed us of the Spring 2000 Radio Camp to be held April 7-9 at the Lake St. George Conservation Field Center near Toronto. This camp is sponsored by the Ontario DX Association. You can get all of the information you need at ODXC website (www.oxda.on.ca) so if you can get to a computer you can view all of this online and get the directions to the camp. The cost for these two days is \$90.00 Canadian. There is space for 40 people, so get your reservation in now.

THE WIDE OPEN SPACES. Our man in La Plata, Argentina, Jorge Aloy, recently took off with a bunch of his DXing buddies, away from the choked airwaves of Buenos Aires. Speeding off in their car, crossing the La Plata River, they eventually found themselves in the rolling plains of Uruguay, where Jorge set up his Harmon-Kardon tuner with remote power supply. They managed to hear a good amount of TEP (Trans Equatorial Propagation) from the Caribbean area. Jorge had some of the audio files of Puerto Rican TEP up on the internet. He finally became a TV Dyer when he came across a log-periodic fringe antenna which he got for free! I have posted the photos of Jorge and his antenna on my website at <http://pages.athome.net/fmdx/dxphotoroom.html>. If the quality of the photo on the right leaves something to be desired, please check out the photo on my website. It'll be in color.



LAST BUT NOT LEAST... Keith McGinnis almost ready to make some major antenna purchases. Can't wait to see how many antennas he can cram into the third floor of that apartment house in Winthrop. 4 : will catch you all next month, so don't forget IRC Chat and do not forget to write! -Mike

PHOTO-NEWS

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March 2000

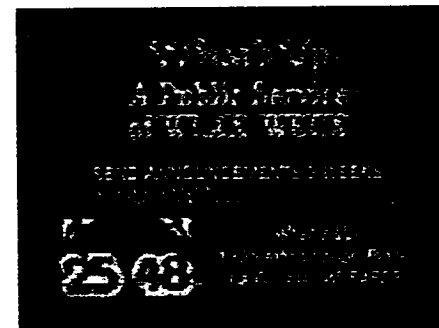
We continue with more photos from Matt Sittel, Bellevue, NE:



KCRG-9 Cedar Rapids, IA
226 mi Tr seen 11/11/99
@1138 CST



KSMN-20 Worthington, MN
194 mi Tr seen 11/7/99
@0658 CST



WLAX-25 La Crosse, WI
299 mi Tr seen 11/13/99
@0814 CST



KXLT-47 Rochester, MN
272 mi Tr seen 11/11/99
@1829 CST

FM NEWS

MARCH 2000

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March 2000

FM NEWS PAGE 2

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

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

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



UNITED STATES

ALABAMA:

Huntsville: WRTT 95.1 CC (ex WNDA), FC to country

ALASKA:

Homer: *NS 88.9 AF
Houston: KRPM 96.3 CC (ex KAQX), FC to 80's hits (Anchorage) "Pure Retro"
Kasilof: KWJG 91.5 PC> 1 kW
Nome: KICY 100.3 FC to contemp. Christian

ARIZONA:

Black Canyon City: K211DV 90.1 NS-250w: KAWZ
Congress: *** 96.3 XA: add class A
Gilbert: KPTY 103.9 FC to dance-CHR (Phx) still runs Mancow 4-9am
Globe: KRXS 97.3 FC to country/oldies blend, and talk
Hotevilla: KUYI 89.1 QG to 88.1
Kachina Village: KFLX 105.1 PC> 5 kW, 1456ft, XC: 34-58-06 / 111-30-29
Laveen: K204DR 88.7 NS-11w: KSKD-FM



Meadview: K215DJ 90.9 NS-11w: KVIP-CA
Payson: KAJM 104.3 CC (ex KBZG) "Jammin Oldies" (Phoenix)
Prescott: KGCB 90.9 adds MGS cont. Christian
Surprise: K214DN 90.7 NS-10w(v): KTLW
Wickenburg: KSSL 105.3 CC (ex KMYL) "K-Sol"
Winslow: K213DE 90.5 NS-250w: KCZO
Yuma: KYRM 91.9 PG> 6.3 kW, 1335 ft, class B, XG: 33-03-18 / 114-49-37

ARKANSAS:

Bentonville: *NS 95.7 6 kW, 328 ft.
Glenwood: KWXE 104.5 FC to JRN country (&) The reported change to soft AC did not happen
Gould: KAFN 102.5 LC
Helena: KFFA 103.1 FC to soft AC (&)
Mountain Home: KPFM 105.5 adds Nashville Nights
Siloam Springs: KLRC 101.1 XG: 36-11-28 / 94-33-58
W.Helena: KJW 94.5 PC<14 kW, 413 ft.

CALIFORNIA:

Avalon: KLIT 92.7 FC to soft AC // KMLT
Big Bear Lake: K212DM 90.9 NS-11w: KVIP-FM
Colusa: KQPT 107.5 CC (ex KPPL), FC to modern AC (Chico) "The Point"
Cordelia: KVYN-1 99.3 NS-7w(h)
Diamond Springs: *NS 88.3 AF
Fort Bragg: KOZT 95.3 OSA to 35 kW, 515 ft, class B, XG: 40-33-14 / 122-22-53
Garberville: KMUD 91.1 PG> 5.5 kW (v), 2601', C1, DA
Grass Valley: KLV5 99.3 PG> 13 kW, 466 ft, XG: 39-16-33 / 120-53-49
Inglewood: KACE 103.9 FC coming soon (LA)
Johannesburg: KRAJ 100.9 PG> 1.5 kW, 1319', B1

California:

Lompoc: KSMY 106.7 CC (ex KAKV), FC to CHR // KSLY
Long Beach: KBUE 105.5 XC: 33-51-29
Merced: KABX 97.5 PC< 8.8 kW, 1161 ft, DA, XC: 37-26-44 / 120-08-37
Newberry Hts: KAWU 103.7 NW, reg. Mexican
Olivehurst: K217DQ 91.3 NS-10w(v): KAWZ
Pasadena: KROQ 106.7 XC: 34-11-49 / 118-15-30
Rio Dell: KMGX 107.3 NW, info and classical // KSOR-OR (not KSMF as prev. reported)
San Francisco: KSOL 98.9 XG: 37-45-19 / 122-27-06
San Jose: KSJS 90.5 PG> 1.4 kW, 548', DA
Santa Rosa: KXFX 101.7 add Mark & Brian
Santa Rosa: KZST100.1 inc. to 246 ft.
Seaside: KTEE 109.9 FC to adult alternative
Sebastopol: KJZY 93.7 PC> 6 kW, 216 ft, DA, XC: 38-25-07 / 122-40-33
S.Lake Tahoe: KZZF 102.9 PC> 39 kW, 2926 ft, C, XC: 39-18-38 / 119-53-01
Temecula: KRMT 88.9 PC<270w, 3057', DA
Thermal: *** 103.5 XA: add class A
Thousand Oaks: KMLT 92.7 FC to a/c
W.Covina: KRTO 98.3 FC coming soon
Willits: KLLK 93.5 CC (ex KMKX), QC from 96.7, RA with WW1 adult rock (&)
Windsor: KMHX 104.1 adds Bob & Sheri

COLORADO:

Aspen: KPWW 107.1 NW, info/classical/jazz // KAJX (another new format coming soon)
Burlington: KRGD 99.3 PG< 55 kW, 351 ft, XG: 39-17-41 / 102-15-37
Colorado Sps: KRDO 95.1 PG< 65 kW, 2211 ft.



DISCO STEREO FM
Estes Park: KRKI 102.1 reported SI (pending upgrade, and sale)
Glenwood Sps: KDRH 91.9 PG> 1 kW (h), C2
Grand Junction: KQJX 93.1 FC to AC "Magic 93.1"
Longmont: KCKK 104.3 PC> 100 kW, 676 ft, DA, XC: 39-41-45 / 105-09-54
Sawpit: *** 99.1 XA: add class C3
Silverton: *** 103.7 GA: add class C2
Villas: K218DB 91.5 NS-250w: KTLF

CONNECTICUT:

Stonington: WAXK 102.3 FC to rock "Rock 102" CC (ex WVVE)

DELAWARE:

Pike Creek: WMHS 88.1CC (ex WBMO)

DISTRICT OF COLUMBIA:

Washington: WKYS 93.9 PC> 24.5 kW

FLORIDA:

Clearwater: WSSR 95.7 PC< 90 kW, XG: 27-54-09 / 82-46-54
Clewiston: WAFC 106.3 QG to 99.5, PG> 12 kW, 472', C3, DA, XG: 26-41-27 / 80-47-18
Fernandina Bch: WFBJ 105.3 NW, rhythmic oldies
Gifford: WAVV 94.7 PC< 22.5 kW, 354 ft.
Panama City: W201CJ 88.1 NS-19w: KAWZ

Florida:

Perry: WNFK 92.1 PG> 6 kW, 328 ft, XG: 30-05-17 / 83-29-41
Pt. St. Joe: WEBZ 93.5 FC to urban "The Beat"
San Carlos Park: WDRR 98.5 PC< 18.5 kW, ND
St. Augustine Bch: WJQR 105.5 FC to rhythmic oldies // WFBJ 105.3 (Jacksonville), modify CP for DA
Yankeetown: WXOF 96.3 PC 3.5 kW, 493 ft.

GEORGIA:

Albany: WJIZ 96.3 dec. to 466', XC: 31-39-16 / 84-10-36
Buford: WLKQ 102.3 FC to 60s-80s oldies
Eatonton: WMGZ 97.7 PC> 8.5 kW, 554 ft, class C3, XC: 34-48-36 / 88-34-41, CL from Sparta, GA
Elberton: WWRK 92.1 adds ABC country (&)
Hinesville: WSKX 92.3 FC to classic country (&)
Rossville: WRXR 105.5 CC (ex WLMX)
Roswell: WAMJ 107.5 adds Les Brown mornings
Snellville: W213BE 90.5 NS-10w: KAWZ
Sparta: WPMA 102.7 dec. to 167 ft.
Springfield: WSIS 103.9 PG> 14 kW, 328', C3
Thomasville: W216BQ 91.1 NS-19w(v): KAWZ-ID

IDAHO:

Grangeville: K217DR 91.3 NS-10w(v): KAWZ
Hayden: KHTQ 94.5 PC< 83 kW, 2181', DA
Lewiston: K208DN 89.5 NS-40w: KAWZ
Rexburg: KGTM 98.1 inc. to 636 feet
Shelley: KBJX 106.3 FC to hot AC "Kiss 106" (Idaho Falls)

ILLINOIS:

Champaign: W201CK 88.1 NS-19w(v): WPCS-FL
Chicago: WLEY1 107.9 NS-80w(v), DA
Coal City: WBVS 100.7 PC> 2,450 watts
Elmwood Park: WCKG 105.9 FC to talk only (except for classic hits 11 pm - 1 am)
Glasford: WRVP 101.1 PC> 6 kW, 328 ft, XC: 40-36-49 / 89-56-22
Hickory Pt: W217BB 91.3 NS-19(v) KTLW
Mt. Prospect: W207BJ 89.3 NS-50w, DA: WSHU
Mt. Sterling: WPWQ 106.7 CC (ex WLRT)
Oregon: WSEY 95.7 FC to classic hits "Kool FM" (Rockford)
Pana: WXKO 100.9 PC< 4.2 kW, 384 ft, XC: 39-18-22 / 88-56-08
Peru: WLRZ 100.9 PC> 3 kW, 328 ft, XC: 41-18-09 / 89-14-11
Pontiac: *NS 88.3 500w, 207'
Rantoul: WBNB 95.3 CC (ex WZNF) "B95"
Spring Valley: WAIV 103.3 PC> 4.9 kW, 361 ft, XC: 41-18-09 / 89-14-11
Streator: WYYS 106.1 FC to talk and standards // WIZZ (with talk format 24 hours soon)
Streator: WSTQ 97.7 FC to CHR "Q 97.7"
Tower Hill: WRAN 98.3 XC: 39-18-22 / 88-56-08
Wilmington: WYKT 105.5 FC to adult alternative



INDIANA:

Attica: WFWR 91.5 100w, 171', CC (NS)
 Clinton: WPFWR 93.9 CC (NS)
 Crawfordsville: WVXI 106.3 FC to hot AC "Kiss FM"
 Crawfordsville: WIMC 103.9 FC to classic hits
 Greenfield: WRGF 89.7 LC
 Linton: KXJH 90.1 CC (NS)
 Muncie: *NS 88.3 AF
 Rushville: WRRCR 94.3 inc. to 561 ft.
 Salem: WZTR 98.9 FC to hot AC "Star 98" CC
 (ex WQSH) "Star 98.9"

IOWA:

Northwood: KYTC 102.7 PC> 25 kW, 308', C3
 Sageville: KIYX 106.1 SG "Classy 106"
 Spencer: KLLT 104.9 CC (ex KIGL), FC to soft
 AC "Lite 104.9"

KANSAS:

Great Bend: KVGB 104.3 FC to classic rock (&
 Independence: *NS 88.5 PG> 22 kW (v), 426 ft,
 class C2
 Newton: KOEZ 92.3 FC to hot AC "Mix 92.3"
 Plainville: KFIX 96.9 PA: to C1 from C2
 Wichita: W204DQ 88.7 NS-65w: KAWZ
 Winfield: KSOK 107.9 adds ABC country (&)

KENTUCKY:

Brownsville: WKLX 100.7 PG 8 kW, 584 ft.
 Drakesboro: WNTC 103.9 NOT noted on the air
 Greenup: WLGC 105.7 PC> 12.5 kW, 466 ft.
 Whitesburg: WMMT 88.7 PC< 360w, 1493', ND



LOUISIANA:

Alexandria: KEDG 106.9 FC to urban "Kiss 106.9"
 DeRidder: KBAN 91.1 PG> 14 kW (v), 390'
 XG: 30-38-10 / 84-54-49
 Lake Charles: *NS 90.3 AF
 Larose: KLRZ 100.3 FC to Cajun and "swamp
 pop" (New Orleans)
 Many: KAVK 89.7 QG to 89.3, PG> 12 kW, C3
 Minden: KSYR 95.7 FC to dance-CHR "Power
 95" (Shreveport)
 Monroe: KXUL 91.1 CC (ex KNLU)
 Shreveport: KBED 102.9 NW, One on One sports //
 KRMD
 Springhill: KTKC 92.9 QC from 92.7, PC> 40 kW,
 548 ft, XC: 33-00-30 / 93-28-38

MAINE:

Brunswick: WTPN 98.9 CC (ex WCLZ) "The Point"
 Camden: WQSS 102.5 FC to classic hits (Augusta)
 Orono: WMEB 91.9 PG> 600w, 171 ft.
 Sanford: WPHX 92.1 PC> 1.8 kW, 512 ft.
 Topsham: WCLZ 95.5 CC (ex WXGL) "95.5 CLZ"
 FC to adult alt. (Portland)

MARYLAND:

Salisbury: WICO 97.5 PG> 4.5 kW

MASSACHUSETTS:

Framingham: WROR 105.7 PG> 23 kW, ND

Northampton: WHMP 99.3 PC< 5.8 kW, 318 ft,
 XC: 42-22-25 / 72-40-26

Pittsfield: WBRK 101.7 FC to ABC hot AC (&)

MICHIGAN:

Bear Lake: WSRQ 100.1 reported SI
 Beulah: WSRI 92.1 reported SI
 Buchanan: WSMK 99.1 adds Doug Banks
 Marquette: WFXD 103.3 FC to country "B103"
 Munising: WHCH 98.3 FC to JRN oldies (&)
 Newberry: WNBV 93.7 PC> 6 kW, 253 ft.
 Portage: WRKR 107.7 dec. to 485', DA
 Powers: ** 107.3 PA: add C3
 Traverse City: W201CM 88.1 NS-10w(v): WPCS

MINNESOTA:

Detroit Lakes: KRVI 95.1 CC (ex KFGX) FC to soft
 AC "River" (Fargo)
 Glencoe: KARP 96.3 FC coming to urban, PG>
 100 kW to serve Minneapolis/St. Paul
 Int'l Falls: KSDM 104.1 adds JRN country (&)
 Int'l Falls: KXBR 91.9 NW CC (ex KBGO) cont.
 Christian
 Lake City: *NS 94.9 6 kW, 328 ft.
 St. Cloud: KCFB 91.5 PC> 15 kW, 348', C3,
 XC: 45-30-02 / 94-14-31
 St. Cloud: K208DV 89.5 NS-50w: KSKD-OR

MISSISSIPPI:

Como: WRBO 103.5 inc. to 679 ft.
 Corinth: WXRZ 94.3 PC> 25 kW, 328 ft, class
 C3, XC: 34-48-36 / 88-34-45
 Hazlehurst: WDXO 92.9 QC from 100.9
 McLain: WXAB 96.9 PG< 4 kW, 400 ft.
 Meridian: WMMZ 102.1 PC> 920w, 505 ft.

MISSOURI:

Canton: KRRY 100.9 PC> 28 kW, 656 ft, C2,
 XC: 39-53-09 / 91-36-38
 Cape Girardeau: KRCU 90.9 PG> 6.5 kW (v), 695
 ft, C3, DA
 Columbia: KBXR 102.3 OSA for C3, 3.5 kW, 856'
 DeSoto: KDJR 100.1 reported SI (due to fire)
 Garden City: KGAR 105.3 OSA to 105.1 - C1, 100
 kW, 981 ft, XG: 39-01-19 / 94-30-50
 Hannibal: KJIR 91.7 PG 15 kW, 436 ft.
 Houston: KUNQ 99.3 XC: 37-05-32 / 92-03-10
 Kansas City: KSRC 102.1 returns to soft AC after
 running Christmas music
 Kirksville: KKTR 89.7 CC (ex KBPP) "Truman
 State"
 Mansfield: KTRI 95.9 PG> 6 kW
 Marble Hill: KREZ 97.3 NW, soft AC CC (ex KBGJ)
 Rogersville: K204DT 88.7 NS-170w: KAWZ-ID
 St. Joseph: KKJO 105.1 OSA to 105.5, 981',
 XG: 39-42-36 / 95-02-36

Vienna: KNLN 90.3 10 kW, 328 ft, DA, CC (NS)

MONTANA:

Alberton: *** 106.7 XA: add class C3
 Conrad: KTZZ 93.7 CC (ex KEIN), FC to WW1
 adult rock (&) (Great Falls) "Z93"
 Livingston: KXLB 100.7 CC (ex KYLO)
 Missoula: KYSS 94.9 PG> 87 kW, 2073 ft,
 XG: 46-48-08 / 113-58-21

NEBRASKA:

Auburn: KNCY 94.7 QC from 105.5, PC> 14
 kW, 436', XC: 40-27-57 / 95-45-38
 Franklin: K220HX 91.9 NS-140w(v), DA: KAWZ

NEVADA:

Gerlach: K206CK 89.1 NS-10w(v), DA: KVIP-CA
 Las Vegas: KFMS 101.9 FC to CHR "Kiss FM", adds
 Rick Dees in the AM
 Longdale: *** 106.1 XA: add class C1



NEW HAMPSHIRE:

Concord: WOTX 102.3 CC (ex WKXL), FC to
 country "The Outlaw" (adds Neon Nights also)
 Gorham: WEVC 107.1 CC (ex WXLQ), FC to info
 and classical // WEVO
 Henniker: WNNH 99.1 PC> 2.8 kW, 479 ft, DA,
 XC: 43-12-49 / 71-41-19
 Hillsboro: WRCI 107.7 FC to news, talk, sports //
 WKXL

NEW JERSEY:

Beach Haven: *NS 90.3 AF
 Egg Harbor Twp: WXGN 90.5 PG< 500w (v), 82',
 DA, XG: 39-16-48 / 74-34-34
 Lincroft: WBUB 90.5 FC to info / adult alternative

NEW MEXICO:

Alamogordo: K210CU 89.9 NS-10w: KCJH
 Albuquerque: KRQS 101.3 PG< 3.7 kW, 420',
 XG: 35-04-06 / 106-46-46
 Carlsbad: KPSS 106.1 NW, Spanish hits "Que
 Pasa"

Chama: KFLH 95.9 CC (ex KYJY)
 Clovis: K203DG 88.5 NS-50w: KLOW
 Fruitland: KTGW 91.7 LC
 Kirtland: KAZX 102.9 FC to CHR "Star 102.9"
 Santa Fe: K220HV 91.9 NS-11w: KCZO
 Socorro: *NS 88.7 AF (U of NM)
 Tucuman: K211DW 90.1 NS-28w: KFLQ

NEW YORK:

Alfred: WZKZ 101.9 PG< 1 kW, 800 ft.
 Attica: WLOF 101.7 PC> 3.2 kW, 446', DA
 Canton: WVNC 96.7 PA: to 102.9 - A
 Chateaugay: WYUL 94.7 PG> 50 kW, 449 ft, DA,
 XG: 44-46-56 / 74-13-09
 Elmira: W201CO 88.1 NS-10w: WCII 88.5
 Hoosick Falls: WZEC 97.5 XC: 42-51-40 / 73-13-59
 Jamestown: WUBJ 88.1 PG> 3.7 kW, 413', DA,
 XG: 42-10-47 / 79-20-41
 Massapequa: W208AU NS-236w: WSHU
 Morristown: WNCQ 102.9 PA: to 96.7 - C3
 Pt. Henry: WLCQ 92.1 CC (ex WXNT), FC to
 oldies "Q92" (Burlington, VT)
 Ravena: WKLI 94.5 FC to soft AC (Albany)
 Walton: *** 107.1 XA: add class A

NORTH CAROLINA:

Aberdeen: W202BQ 88.3 NS-80w: WCPE-NC
 Beaufort: W203BC 88.5 NS-55w: WAFR-MS
 Burgaw: WKXB 99.9 inc. to 774 feet, XC: 34-14-
 37 / 78-07-24
 Dunn: WRCQ 103.5 drops Howard Stern

North Carolina:

Jefferson: WMMY 106.1 PC 10.5 kW, 508 ft,
 XC: 36-19-53 / 81-35-17
 Norlina: *NS 90.5 AF
 Shallotte: WAZO 98.3 LC

NORTH DAKOTA:

Minot: KHRT 106.9 PC> 26 kW, 344', C2

OHIO:

Alliance: WZKL 92.5 FC to hot AC "Z 92.5"
 Cleveland: WDOK 102.1 XC: 41-22-58 / 81-42-07
 Delta: WBUZ 106.5 drops Howard Stern
 Hamilton: WYGY 96.5 returns to country after
 stunting with Christmas music (Cincinnati)
 Kent: WNIW 100.1 PC> 4.2 kW, 394 ft.
 Oak Harbor: WJZE 97.3 drops Howard Stern

OKLAHOMA:

Ardmore: KQPD 91.1 CC (NS)
 Broken Arrow: KIZS 92.1 CC (ex KOAS) "Kiss"
 Edmond: KCYI 97.9 FC to CHR-dance "Wild
 97.9 (OKC)
 Idabel: *NS 90.9 500w, 210'
 Lahoma: KMKZ 95.7 FC to ABC 45+ soft AC (&)
 Oklahoma City: KQSR 94.7 XC: 35-35-52 / 97-29-
 22, dec. to 1220'
 Oklahoma City: KXXY 96.1 XC: 35-35-52 / 97-29-
 22, dec. to 1220'
 Oklahoma City: KTST 101.9 XC: 35-35-52 / 97-29-
 22, dec. to 1220'
 Oklahoma City: KYLV 88.9 PC> 4.4 kW, 676 ft,
 XC: 35-24-24 / 97-29-08
 Poteau: K203DI 88.5 NS-10w, DA: KAWZ-ID
 Shattuck: K202DC 88.3 NS-230w: KJIL-KS
 Woodward: KJOV 90.7 FC to c. Christian and rel. //
 KJIL-KS

OREGON:

Astoria: KZNX 89.7 NW, SKY cont. Christian
 (&)
 Baker City: *NS 88.9 AF (OPB)
 Cornelius: K220HW 91.9 NS-2w(v), DA: KEFX-ID
 LaGrande: *NS 90.3 AF (OPB)
 McKinley: K205DR 88.9 NS-10w: KVIP-CA
 Stanfield: *** 96.1 GA: add class C3
 Sunriver: K203DH 88.5 NS-19w: KVIP-CA
 Tillamook: K214DP 90.7 NS-10w(v), DA: KAWZ-ID

PENNSYLVANIA:

Bedford: WWCW 107.5 FC to WW1 country (&)
 Brookville: WYTR 103.3 NW, CC (ex WBEU), FC to
 ABC oldies (&)
 Charleroi: WOGI 98.3 CC (ex WZKT), FC to
 country // WOGG "Froggy"
 Coudersport: WFRM 96.7 FC to WW1 AC "Star FM"
 (&)
 Forest City: KTZZ 100.1 CC (NS)
 Lewistown: WMMF 95.7 QC from 95.9, ND
 Newick: WQFM 92.1 PC> 660w, 994 ft,
 XC: 41-11-11 / 75-51-33
 Pittsburgh: WORD 101.5 PG< 43 kW, 528 ft.
 Pocono Pines: *NS 105.9 6 kW, 328 ft.
 Portage: WUZI 105.7 CC (ex WFJY), FC to
 classic hits (Johnstown)
 Stroudsburg: WBXY 88.7 dec. to 797' (v)

RHODE ISLAND:

Kingston: WRIU 90.3 XC: 41-29-52 / 71-31-43

SOUTH CAROLINA:

Anderson: WJMZ 107.3 adds Tom Joyner
Mullins: WWSK 107.1 FC to classic rock
Murrell's Inlet: WMGB 88.3 PC< 250w(v), 161'
XC: 33-32-07
N. Myrtle Beach: WMIW 88.9 adds MGS cont.
Christian (&)

SOUTH DAKOTA:

Rapid City: KFXS 100.3 XG: 44-04-13 / 103-15-01,
inc. to 462 ft.
Yankton: K204DU 88.7 NS-92w:KLOV

TENNESSEE:

Belle Meade: WNPL 106.7 FC to rhythmic oldies
"Cool" (Nashville)
Gallatin: WGFX 104.5 FC to clas. hits (Nashville)
Lawrenceburg: *NS 88.5 AF
Memphis: WEGR 102.7 PC< 87 kW, 945 ft,
XC: 35-16-33 / 89-45-38
Shelbyville: WZPC 102.9 inc. to 955'

TEXAS:

Barker: K217DP 91.3 NS-248w: DA, KAXF
Bowie: KLTY 100.7 CC (ex KRJT), FC to cont.
Christian (&) (Dallas)
Brownwood: KPBE 89.3 NW, Spanish cont.
Christian // KUBR
Buda: KROX 101.5 PC< 12.5 kW, 843 ft, C2,
XC: 30-19-23 / 97-47-58, CL from Giddings
Burnet: *** 95.9 PA: add class A
Cedar Park: *** 93.3 GA: add class C
Conroe: KAXF 88.3 CL change from Huntsville,
TX
Corpus Christi: KBSO 94.7 FC to clas. rock (&)
El Dorado: *** 106.5 PA: add class A
Ft. Worth: KGDE 94.1 CC (ex KLTY), FC to reg.
Mexican // KDXX, XC: 32-35-19 / 96-58-05
Dimmitt: KNNK 100.5 XG: 34-44-49 / 102-29-37
Georgetown: KAHK 107.7 PC> 25 kW, 328', DA
Greenville: K209DP 88.7 NS-250w: KVTT
Junction: KOOK 93.5 adds ABC oldies (&)
Killeen: *** 92.3 GA: add class A
Leakey: KBLT 104.3 FC to so. Gospel (&) //
KBNU
Merzton: *** 101.1 PA: add class A
Mesquite: KEOM 88.5 returns to classic hits after
Christmas music (Dallas)
Overton: KPXI 100.7 FC to cont. Christian //
KLTY (Tyler)
Palacios: KZTX 99.7 CC (ex KKOS), RA with
religion in Spanish
Pearsall: KWVG 95.3 dec. to 164 ft.
Pecos: KKLY 97.3 LC
Pittsburg: KXAL 103.1 FC to dance-CHR "K103",
then FC to hot AC



Texas:

Plainview: KPMB 88.5 LC
Pt. Lavaca: KVIC 93.3 CC (ex KPLV), FC to ABC
hot AC (&) (Victoria)
Refugio: KTKY 106.1 reported SI
Reno: K201FX 88.1 NS-92w: KEFX
Rudolph: KTER 90.7 NW, religion
Shamrock: KLMN 92.7 QG to 92.9, C2, PG> 50
kW, 253 ft.
Sterling City: KCSE 96.5 PG< 40 kW, 545 ft.
Temple: KLTD 101.7 FC to oldies // KYUL
Uvalde: KBNU 93.7 FC to so. Gospel (&)
Victoria: KRNX 95.1 CC (ex KVIC), FC to ABC
real country (&)
W. Odessa: KWRI 88.7 CC (NS)

UTAH:

Logan: KNFL-1 104.9 NS-99w, DA
Randolph: KWKD 102.3 CC (ex KAIO)
Roy: KSNV 107.9 CC (ex KWKD), FC to
rhythmic oldies "Fever" (SLC), PC> 100 kW,
1968 ft.
St. George: KSNM 93.5 PC< 2.4 kW, 1893'
Salt Lake City: KSNV-1 107.9 NS-190w

VERMONT:

Putney: *NS 91.9 80w, 758'
Wilmington: WMTT 100.7 PC< 130w, 1483'

VIRGINIA:

Afton: W201CN 88.1 10w: WNRN
Charles City: WAUQ 89.7 LC
Fredericksburg: W217BC 91.3 NS-19w: KAWZ-ID
Lynchburg: WVMC 90.9 FC to Way FM cont.
Christian (&)
Manassas: WJFK 106.7 PG> 40 kW, 508 ft, DA,
XC: 38-47-16 / 77-19-47

WASHINGTON:

Aberdeen: K207DB 89.3 NS-100w: KSKD-OR
Chinook: K206CL 89.1 NS-13w: KAWZ
Edmonds: KCMS 105.3 PG< 54 kW, 1263',
XC: 47-32-40 / 122-06-26
Hoquiam: KGHO 95.3 FC to WW1 country (&)
Ilwaco: KAQX 103.9 CC (ex KBKH)
Leavenworth: KOHO 97.7 PC> 500w, 2083 ft, C3,
XC: 47-36-07 / 120-30-32
Mt. Vernon: KTHY 91.7 CC (NS)
Seattle: KPLZ 101.5 XG: 47-32-40 / 122-06-26,
inc. to 1263'
Seattle: KJR 95.7 XG: 47-32-40 / 122-06-26,
inc. to 1263'
Seattle: KUBE 93.3 XG: 47-32-40 / 122-06-26,
inc. to 1263'
Seattle: KZOK 102.5 PC< 68 kW, 2345' XC: 47-
30-17 / 121-58-04
Seattle: KYPT 96.5 CC (ex KYCW) "The Point"
South Bend: KJET 105.7 FC to ABC oldies (&)
Spokane: KSFC 91.9 PG> 3.2 kW 1644', DA
White Salmon: *NS 89.3 16w(v), 1102'

WEST VIRGINIA:

New Martinsville: WNMR 92.3 CC (NS)
New Martinsville: *NS 99.5 6 kW, 328 ft.
Romney: WWSB 104.1 CC (ex WJGF) "WV School
For the Blind")

WISCONSIN:

Chetek: WATQ 106.7 returns to country after
running Christmas music (Eau Claire)
Cleveland: WKTT 98.1 PC> 5.8 kW, 292',
XC: 43-59-03 / 87-45-55
Hallie: WWIB 103.7 XG: 45-06-07 / 91-09-33
Lancaster: WGLR 97.7 PC> 11.5 kW, 482 ft, class
C3, XC: 42-51-48 / 90-42-11
Menomonee Falls: WFMR 98.3 PG< 3.6 kW, 426',
XC: 43-02-49 / 87-58-52
Milwaukee: WRIT 95.7 CC (ex WZTR)
Park Falls: WCQM 98.3 PG> 100 kW, 495 ft,
XC: 45-53-09 / 90-26-14
Platteville: WPVL 107.1 FC to classic hits "Classic
Hits 107.1"
Sheboygan: WSHS 91.7 PG< 175w (v), 85'
XC: 43-46-32 / 87-43-04
Siren: WXCX 105.7 NW, oldies (&)
Sister Bay: WHDI 91.9 NW, info/classical // WERN
Sister Bay: WHND 89.7 NW, info/talk // WHA

WYOMING:

Buffalo: KBUW 90.5 NW, info/adult alt/classical
(Wyoming Public Radio)
Newcastle: *NS 99.3 200w, 298'
Pinedale: *NS 90.9 450w, 440', U of Wyo.
Powell: KUWP 90.1 NW, info/adult alt/classical
(Wyoming Public Radio)
Thermopolis: *NS 98.3 1.8 kW, 647 ft.

PUERTO RICO:

Bayamon: WYXY 100.7 inc. to 1092 ft.
Ponce: WRIO 101.1 dec. to -105 ft, XG: 18-01-
40 / 66-39-19



CANADA

ALBERTA:

Lethbridge: CJOC 1220 QG to 106.7, 100 kW
Nordegg: CHBW-1 ?? wants to relay CHBW
instead of CIBW
Red Deer: CHUB 105.5 QC from 700, CC (ex
CKRD), FC to CHR "Big 105"
Taber: CHHK 93.3 QC from 1570, CC (ex
CKTA), FC to clas. rock "The Hawk"

BRITISH COLUMBIA:

Abbotsford: CFSR1 92.5 FC to modern rock //
CFSR
Chilliwack: CKSR 107.5 FC to modern rock "XFM"
Dawson Crk: *NS 95.1 NS, 1.8 kW // CHR-FM
Sooke: *NS 97.1 wants to be // CKXM-FM
Victoria, 38 w
Vancouver: CFSR 104.9 FC to modern rock "XFM"
Vancouver: DAB 1459.792: CBU-AM, CBU-FM,
CBFX Montreal (satellite), Mt. Seymour
(2774w), Metrotown-Cantel Bldg in Burnaby
(5046w) approved
Vancouver: DAB 1463.280: CFUN-AM, CHQM-FM,
CFSR-1-FM, Mt. Seymour (2774w), Metrotown-
Cantel Bldg in Burnaby (5046w)

MANITOBA:

Bloodvein: *NS 96.9 23w wanted // CINC-FM
Brochet: *NS 96.9 5w, to be // CINC-FM
Easterville: *NS 93.5 23w wanted // CINC-FM
Fox Lake: *NS 93.5 23w, to be // CINC-FM
Gillam: *NS 95.7 37w to be // CINC-FM
Griswold: *NS 93.5 23w wanted // CINC-FM
Hollow Wtr IR: *NS 93.5 23w, to be // CINC-FM
Lake Manitoba: *NS 93.5 37w, to be // CINC-FM
Selkirk: CICY 105.5 can run separate
commercials from // CINC-FM
Thicket Portage: *NS 93.5 23w wanted // CINC-FM
Winnipeg: *NS ??? religious station granted,
but freq. of 107.1 denied, so new freq. to be
chosen

NEW BRUNSWICK:

Moncton: CKCW 1220 wants 94.5, 100 kW
Moncton: *NS 96.9 100 kW country wanted
Moncton: *NS 99.9 multiple apps: 9.5 kW
French, 45 kW CHR
Moncton: *NS 105.9 50w cont. Christian wanted
Moncton: *NS 100.9 50w cont. Christian wanted
Moncton: *NS 94.5 13.1 kW dance stn wanted
Shediac: *NS 99.9 47.9 kW French wanted
St. John: *NS 92.5 50w campus stn wanted
St. John: *NS 96.1 50w cont. Christian wanted
St. John: *NS 97.3 55 kW stn wanted // 98.1
St. Stephen
St. John: CJYC 98.9 PG< 12 kW, XG to
Mt. Champlain (giving it a signal in Frederickton)
St. Stephen: *NS 98.1 40 kW wanted // 97.3 St.
John

NOVA SCOTIA:

Cole Harbour: *NS106.9 NS-50w French wanted
Halifax: CKDU 97.5 wants 88.1, 520 w

ONTARIO:

London: CFHK 103.1 FC to dance-CHR "Energy
Radio" // CING 107.9 (7pm - 10am)
London: CBCL 93.5 PG< 69.3 kW
Smith's Falls: CFMO 101.1 FC to modern rock
Sudbury: CHNO 103.9 QC from 550, now 100 kW
Timmins: *NS ?? app. For low power pop
station DENIED (freq. may be 95.1)
Toronto: *NS 106.3 the 92w app has been
withdrawn
Toronto: *NS 93.5 relig. Station app for 23 w
has been withdrawn
Toronto: DAB 1466.768 CIAO-AM, CHWO-AM,
CJMR-AM, CFMX-1-FM, CIRV-FM, location:
CN Tower, 5084w
Woodstock: CKDK103.9 FC to classic rock "The
Hawk" (London)

QUÉBEC:

Gaspe: *NS 90.1 2160w wanted // CBFX
Mantagami: *NS 99.9 50w French wanted
Matane: *NS 105.3 3 kW French AC wanted
Rouyn: *NS 89.9 17.2kW wanted // CBFX

SASKATCHEWAN:

Regina: CHMX 92.1 FC to CHR "Kiss 92"





MEXICO

COAHUILA:

Saltillo: XHSA 100.9 SG "La Maquina"

NUEVO LAREDO:

Monterey: XHUNL 89.7 noted SI for a few months now

TAMAPULIPAS:

Cd. Victoria: XHVIR 101.7 SG "La Cotorra"

NOTE- There is the potential for missing information, due to issues at the FCC. *M Street Journal* says: "Due to database problems at the FCC, the information usually provided by them to the public has been missing or incomplete. We are working hard to acquire this data and are committed to publishing all of the applications with complete information. We will publish these items as quickly as they become available"

PIRATE WATCH:

• **LAKE WORTH, FLORIDA:** A station on 103.9 has been noted simulcasting, of all things: WCPE 89.7 Raleigh, NC?!?! (presumably via satellite). Classical music, and BBC news was heard on the station. On a recent trip to the Miami area myself, I noted an incredible number of pirate stations (up to 10 for sure), and one other former Miami area WTFDA member reports hearing 18 different ones on a regular basis?!?

LOW POWER FM APPROVED BY FCC

If you have access to any of the DX internet discussion groups, certainly you've heard this major story by now, or perhaps you've even seen it covered in the mainstream media. In January, FCC Chariman Bill Kennard's "LPFM" proposal was passed by the FCC, in a 3-2 vote. Some of the features differ from what had been earlier reported, so here I will outline (with much help from *M Street Journal*) what the plan states. This story is by no means over: On February 17th, the House of Representatives is scheduled to discuss Mike Oxley's bill (HR 3439), which would prohibit the FCC from establishing the new Low Power FM service.

• **LP-100 Service:** These stations have a maximum ERP of 100 watts, with a max HAAT

of 30 m / 100 ft. The FCC predicts a service area of 3.5 miles, though many expect it to be higher at those parameters.

• **LP-10 Service:** 1-10 watts for these stations, with a max HAAT again of 30m/100ft. Predicted service area is 1 to 2 miles.

There will be a five-day filing window for LP-100 applications, currently planned for May. A filing window for LP-10 will follow, followed by a second round for LP-100. Important points about licensees:

- *Stations are non-commercial. They can air "underwriting" announcements, similar to current public radio stations.*
- *Local residents get preference in the application process, to try and prevent national networks from taking all frequencies. For the first two years, only those with a local presence can have licenses. After this you can only own five nationally, and ten nationally after three years. This is restricted to only one license per community per national group.*
- *Stations must operate at least 36 hours per week.*
- *Stations must adhere to most major FCC rules, such as EAS, indecency, political broadcasting rules, etc. National affiliation such as with a church denomination will not count against local attribution.*
- *Former pirates are eligible If they signed off the air when they were caught by the FCC, and never defied the Commission.*
- *Like TV, callsigns will be as such: "WGRC-LP"*

LPFMs are NOT protected from interference from each other, but must protect full power stations. There is still 2nd adjacent channel protection against full power stations, but not 3rd channel. (Some are wondering if this thinking will eventually lead to eliminating this channel restriction for fuller power stations). Given these rules, there are probably not any LP-100 stations possible in major markets such as New York, Los Angeles, Chicago, and San Diego. However, a few spots are other large markets such as Philadelphia (1), San Francisco (2), Washington (3), Dallas (4), and Miami (4). Of course, even in these areas, there are more opportunities for LP-10 stations, given their smaller coverages. Stay tuned to see what's next!

• To the north, the *CRTC* has been busy too. They have been hearing applications for several FM stations in Toronto (93.5, 106.3, 106.5, not to mention 740). Also they revised their programming rules for campus radio in Canada. Restrictions on the number of times a record can

be played a week were lifted, to try and allow stations to break more new Canadian music, even if it falls into the "pop" category. However, spoken-word must still be 25% of airtime at these stations, and the "Can-con" Canadian content rule was hiked to 35%. They also announced a streamlined application process for AM & FM campus stations less than 5 watts, to try and help them get on air more quickly.

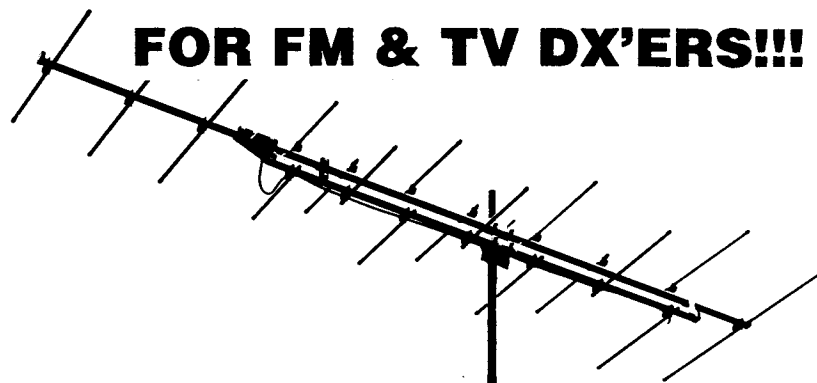
• In more news from the *CRTC*, Doug Smith sends an item regarding the group's renewal of the *CBC* licenses. They were indeed renewed but some problems were identified ... the *CBC* was chastised for not covering more of the Canadian population. New transmitters (most likely FM) were called for at Cherryville, BC, and Gilmour, ON, for Radio 1. Radio 2 is more of a serious problem .. covering 74% of the English population, but only 67% in New Brunswick, and less than half in Newfoundland and Saskatchewan. The *CRTC* ordered them to bulk up their coverage to 50% in each province, and 75% nationwide, within 2 years. By 2007, coverage of 75% in every province is expected. This will lead to many new FM transmitters. As no mention was made of the potential new "Radio 3" network, this seems to verify other accounts that the project is on hiatus.

• Ken Simon writes with a great tip about a Mexican web site that lists the FM stations in that nation: <http://www.sct.gob.mx/satelital/fm/index.html>. WTFDA member John Zondlo's site also has a

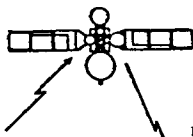
wealth of information about Mexican stations - check his SFMDX header for the address!

• *M Street* mentions an revolutionary new kind of radio that is in the works from a company called "Kerbango" ... it's the first standalone Internet radio receiver. This means it can pull in Internet radio-broadcasts without the use of a computer, putting them on more of an even playing field with local stations. All that is required is an AC outlet, and an internet connection. The radio was demonstrated at the NAB Radio show in Orlando, and is also featured in the February 14th edition of *Newsweek*. There, it is estimated to cost around \$300 when it debuts this spring. Besides being able to tune in more than "1,000 Web Stations", it can also tune regular AM/FM. (Sounds like a new DXing is being born?). More information can be found at <http://kerbango.com>. *Newsweek* mentions that another product, the "Sonicbox imBand Remote Tuner" is due this spring. This tuner is only \$50, but needs a PC. It transfers the web signal through an FM signal that carries about 65 feet. (It sounds a lot like those "garage radio transmitters" we've seen that allow you to listen to your CD player all around the house). It will be very interesting to see how this takes off in the next few years.

W.T.F.D.A. -- THE CLUB FOR FM & TV DX'ERS!!!



SATELLITE NEWS



GEORGE W JENSEN
4604 ANNTANA AVE
BALTIMORE MD 21206-4220

It's either feast or famine - this time - a feast of many changes. First - to many changes ----

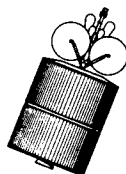
Satcom C1 -
delete 1 - Satellite Sports Network Extra
10 - Satellite Sports Network Extra 2
13 - FX Channel - East
21 - Fox Sports West 2
22 - Fox Sports Northwest

Satcom 3
delete - 8 - Style
24 - add - Oprah Winfrey's Oxygen Channel - VC2
118 - add - Showtime HDTV Test - East
120 - add - Showtime HDTV Test - West

Telstar 7
add - digital on 2, 3, 4, & 5 - This is In-Demand Pay-Per-View

Satmex 5
delete ALL analogue channels -
13 - XHDF Ch 13, 17 - XHIMT - Ch 7 and 18 - Claravision
789 - is called Clase
DELETE SPACENET \$ C AND KuBAND THIS IS NOW GE AMERICOM 4
both C and Ku-Band - as of 1-1-00
24 C and 24 Ku Band transponders
delete - XPDR 6 - Hollywood Treasures Network - NOW on XPDR 12
By the time you read this 0 the following change should be in place -
DELETE GALAXY 9 WILL BE AN IN ORBIT SPARE IT HAS BEEN REPLACED BY GALAXY 10 - 24 C and 24 Ku Band transponders which will also replace SBS 5 a Ku-Band only bird co-located with Galaxy 9.
GALAXY 9 - will be relocated to 127 West
Telstar 5 - ADD -
600 - Nebraska educational Television
601 - Educable
602 - 607 - Nebraska Educational Television - Instructional TV
Galaxy 7
add - 758 - Scandinavian Television
759 - Mandarin Television
delete - 601 - Kaleidoscope
GE Americom 3
delete - 3 - WSBK - Boston
Intelsat 806
change - Telecaribe - from 755 to 754
- TelePacífico from 756 to 755

AND NOW TO THE NEW LINE-UP OF ANIK E2 - Ku-Band - part 1
200 - Viewer's Choice Pay-Per-View barker channel
205-214 - Viewer's Choice Pay-Per-View - east
215-220 - Viewer's Choice PPV - National beam
235 - 241 - Viewer's Choice - PPV - West beam
260 - Canal Indigo - French Pay-Per-View - barker channel
265 - 268 - Canal Indigo Pay-Per-View
290 - HDTV Test - East beam
291 - HDTV - Test - West Beam
299 - Star Choice Information Channel
300 - CBHT - Halifax - CBC
301 - CBMT - Montreal - CBC
302 - CBLT - Toronto - CBC
305 - CBKT - Regina - CBC
306 - CBRT - Calgary - CBC
307 - CBXT - Edmonton - CBC
308 - CBUT - Vancouver - CBC
310 - CJON - St. Johns - CTV
311 - CJOH - Ottawa - CTV



14

CFCF - Montreal - CTV 312
313 - CFTO - Toronto - CTV
315 - CKCK - Regina - CTV
316 - CKY - Winnipeg - CTV
317 - CFCN - Calgary - CTV
318 - CFRN - Edmonton - CTV
319 - CHAN - Vancouver - CTV
320 - CHEK - Victoria - CTV
321 - Vancouver TV - East
322 - Vancouver TV - West
330 - CIHF - St. Johns - Global
331 - CIII - Toronto - Global
335 - CKND - Winnipeg - Global
336 - CKVU - Vancouver - Global
340 - Atlantic Satellite Network
341 - CJCH - Halifax - CTV
342 - CHRO - Pembroke -
343 - CFMT - Toronto
344 - CITY - Toronto
345 - CHCH - ONTV - Hamilton
346 - CKVR - Barrie
347 - CJAL - A-Channel - Edmonton
348 - CICT - Calgary
349 - CITV - Edmonton
350 - APTV - Aboriginal Peoples' Television
351 - Access Alberta - West
352 - Saskatchewan Commercial Network - West
353 - CICA - Toronto - TV Ontario
354 - Knowledge Network
360 - WDIV - Detroit - NBC
361 - WXYZ - detroit - ABC
362 - WWJ - Detroit - CBS
363 - WUHF - Rochester - FOX - East
364 - WTVS - Detroit - PBS
the following - 365 - 378 - are West beam
365 - WDIV - Detroit - NBC
366 - WXYZ - Detroit - ABC
367 - WWJ - detroit - CBS
368 - WUHF - Rochester - FOX
369 - WTVS - Detroit - PBS
370 - KHQ - Spokane - NBC
371 - KXLY - Spokane - ABC
372 - KREM - Spokane - CBS
373 - KAYU - Spokane - FOX
374 - KSPS - Spokane - PBS
375 - KING - Seattle - NBC
376 - KOMO - Seattle - ABC
377 - KIRO - Seattle - CBS
378 - KCTS - Seattle - PBS
the following 379 - 383 are East beam
379 - KING - Seattle - NBC
380 - KOMO - Seattle - ABC
381 - KIRO - seattle - CBS
382 - KAYU - Spokane - FOX
383 - KCTS - Seattle - PBS
390 - CBC Newsworld
391 - CTV Newsnet
394 - Vision TV - east
395 - Vision TV - West
396 - Cable Public Affairs Channel
397 - Ontario Legislature
398 - The Weather Network

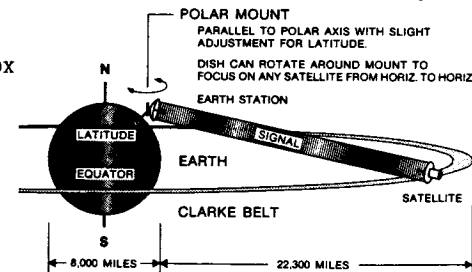
400 - The Sports Network
401 - The Sports Network Alternative
403 - The Score
406 - Speed Vision
409 - The Golf Channel
416 - CTV Sports Net - East
417 - CTV Sportsnet Ontario
418 - CTV Sportsnet - west
419 - CTV Sportsnet - Pacific
457 - Outdoor Life Network



these US stations are all east beams

the following - 365 - 378 - are West beam

365 - WDIV - Detroit - NBC
366 - WXYZ - Detroit - ABC
367 - WWJ - detroit - CBS
368 - WUHF - Rochester - FOX
369 - WTVS - Detroit - PBS
370 - KHQ - Spokane - NBC
371 - KXLY - Spokane - ABC
372 - KREM - Spokane - CBS
373 - KAYU - Spokane - FOX
374 - KSPS - Spokane - PBS
375 - KING - Seattle - NBC
376 - KOMO - Seattle - ABC
377 - KIRO - Seattle - CBS
378 - KCTS - Seattle - PBS
the following 379 - 383 are East beam
379 - KING - Seattle - NBC
380 - KOMO - Seattle - ABC
381 - KIRO - seattle - CBS
382 - KAYU - Spokane - FOX
383 - KCTS - Seattle - PBS



East beam

390 - CBC Newsworld
391 - CTV Newsnet
394 - Vision TV - east
395 - Vision TV - West
396 - Cable Public Affairs Channel
397 - Ontario Legislature
398 - The Weather Network

there's a lot more - this list will continue in the next issue.
See you in 30 - '73's

George

CBC  Television

15

TV News

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

March 2000
non-commercial station
nc no change

<http://personal.bellsouth.net/~w9wi>

Applications for new stations

These are applications for new DTV stations, showing their analog and digital channels:

AK	Anchorage	KAKM 7=>24	NH	Durham	WENH 11=>57
CA	Los Angeles	KLCS 58=>41	NV	Las Vegas	KLVX 10=>11
CT	Norwich	WEDN 53=>45	NY	Buffalo	WNEB 17=>43
FL	Ft. Pierce	WTCE 21=>38		Schenectady	WMHT 17=>34
	Ft Walton Bch	WFGX 35=>25	SC	Columbia	WRLK 35=>32
	Jacksonville	WJCT 7=>38	TX	Houston	KETH 14=>24
IL	Peoria	WTVP 47=>46	UT	Salt Lake City	KUED 7=>42
MN	Bemidji	KAWA 9=>18	WA	Centralia	KCKA 15=>19
	Brainerd	KAWB 22=>28		Tacoma	KBTC 28=>27
MS	Biloxi	WMAH 19=>16	WY	Casper	KFNB 20=>18
	Jackson	WMPN 29=>20		Cheyenne	KLWY 27=>28
	Oxford	WMAV 18=>36		Riverton	KFNE 10=>16
MT	Billings	KTVQ 2=>17			

One application has been filed for a new NTSC station in Canada. CJDC-TV [5] Dawson Creek, BC has applied for a relay in Grande Prairie, Alberta on channel 8 with 3.7KW.

Construction permits granted for new stations

St	Ch	ERP	Call	City/applicant	Latitude	Longitude
CA	48z	1	K48GP	Eureka; E./C. Bursery	40-29-52	124-17-36
CA	63z	1	K63GK	Eureka; J. Pierce	40-29-52	124-17-36
MB	6	44	CHMI-TV-1	Dauphin		

New DTVs granted:

AZ	Phoenix	KNXV 15=>56	MI	Grand Rapids	WOOD 8=>7
FL	Tampa	WFTS 28=>29	MN	Austin	KAAL 6=>33
GA	Columbus	WTVM 9=>47	SC	Charleston	WCBD 2=>59
	Perry	WPGA 58=>32		Spartanburg	WSPA 7=>53
	Savannah	WSAV 3=>39	UT	Salt Lake City	KUTV 2=>35
IA	Ames	WOI 5=>59	WY	Rawlins	KFNR 11=>9
IL	Quincy	WTJR 16=>32			
LA	Alexandria	KALB 5=>35			

Changes granted to existing stations

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
CA	63+		610	Oxnard	KADY-TV		
IL	7z			Chicago	WLS-TV	41-52-44	87-38-08
MI	20+		320	Detroit	WDWB	42-26-52	83-10-23
NC	64-	1100	352	Kannapolis	WAXN		
NE	17z		590	Grand Island	KTVG	40-56-54	98-48-42
NE	13z		592	Kearney	KHGI-TV	40-56-54	98-48-42
WI	32+		343	Appleton	WACY		

The WLS-TV change is a correction of coordinates only.

Changes granted to construction permits

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
AR	31+	5000	333	Harrison	KWBM	36-42-18	93-03-45
CO	4+	100	428	Grand Junction	KFQX	39-03-58	108-44-46

WGTW [48]'s application to increase power & tower height has been dismissed.

LPTV Displacements Granted

AR	Bentonville	K32FJ 45=>32	NM	Alamogordo	K45FG 36=>45
CA	Porterville	KKAK-LP 20=>52-	NM	Deming	K41FM 68=>41n
CA	Taft	K57HZ 10=>57z	NV	Reno	K39FF 45=>39
CO	Romeo	K31FK 63=>31+	OK	Oklahoma C.	KTOU-LP 22=>21+
FL	Miami	W57DJ 55=>57	OR	Yoncalla	K32FI 20=>32-
GA	Atlanta	WANX-LP 56=>26	PR	Fajardo	WREY-LP 59=>42
MN	Willmar	K17FA 34=>17	SC	Orangeburg	W29CN 31=>29-
		K20GD 50=>20-	TN	Chattanooga	W58DB 26=>58
		K39FE 38=>39z	TX	Amarillo	K22FF 48=>22+
		K54GG 40=>54	TX	Corpus Christi	KXPX-LP 66=>14-
MT	Kalispell	KESI-LP 34=>22z	TX	Greenville	KNOK-LP 53=>43
		KEXI-LP 35=>24z	TX	Lubbock	KUPT-LP 22=>18z
NE	Omaha	KOHA-LP 65=>59	TX	Tyler	K26GA 14=>26-
NJ	Cherry Hill	W24CN 59=>24	VA	Virginia Beach	WVBN-LP 19=>18+

LPTV Displacements On Air

AL	Dothan	WJIN-LP 69=>5	SC	N Charleston	WFAV-LP 69=>22-
AL	Northport	WJRD-LP 49=>7	TN	Memphis	W44BS 36=>44
CA	Sacramento	KCSO-LP 60=>34	TX	Seminole	K53GA 66=>53
IA	Muscataine	K62FU 52=>62	UT	Ogden	KTLE-LP 39=>51
NC	Fayetteville	W66DF 53=>66	UT	Salt Lake City	KEJT-LP 50=>48
NV	Walker Lake	K24EY 44=>24	WI	Waupaca	W66DC 55=>66
SC	Hilton Head I.	W53BX 18=>53-			

LPTV Displacements Dismissed/Denied/etc.

FL	Lakeland	WLWA-LP 14=>48	TX	San Antonio	K21DZ 21=>47
MN	Deer River	K61BH 61=>23	TX	Tyler	K141D 14=>31z
TN	Cleveland	WTNB-LP 27=>58+	WA	Pr. Pulley	K67GJ 67=>53
TX	Lavernia	K39DX 39=>46	WA	Seattle	K68DL 68=>53

Technical changes on the air

St	Ch	Call	City	What happened
AL	15z	WHDF	Florence	move 80km (46miles!) ENE, increase power 1700->2510KW & tower height 223->431m.
FL	22z	WCLF	Clearwater	move about 60km southeast, decrease tower height 433->409m.
NC	26-	WSFX-TV	Wilmington	decrease power 4370->2340KW.
PA	40+	WPCB-TV	Greensburg	increase power 1170->4900KW & correct coordinates.
WI	32+	WACY	Appleton	increase tower height 7m.

New stations on the air or requesting operating license

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
CO	4+	100	428	KFQX	Grand Junction	39-03-56	108-44-52
FL	46z	126	59	WPCT	Panama C. Bch.	30-10-59	85-46-42
TX	26-	5000	560	KPXL	Uvalde	29-37-11	99-02-55
UT	12z	10	42	KUSG	St. George	37-03-49	113-34-20
WI	55z	5000	327	WFXS	Wittenberg	45-03-22	89-27-54

New DTVs on the air:

KSAZ-DT	31	Phoenix, AZ	KSDK-DT	35	St. Louis, MO
KCAL-DT	43	Los Angeles, CA	KTVI-DT	43	
KTXL-DT	55	Sacramento, CA	WCNC-DT	22	Charlotte, NC
KXTV-DT	61		WCCB-DT	27	
WTTG-DT	36	Washington, DC	WTVD-DT	52	Durham, NC
WSVN-DT	8	Miami, FL	WNYW-DT	44	New York, NY
WFLA-DT	7	Tampa, FL	KFOR-DT	27	Oklahoma City, OK
WNDU-DT	42	South Bend, IN	WPXI-DT	48	Pittsburgh, PA
WMAR-DT	52	Baltimore, MD	KRIV-DT	27	Houston, TX
WCBB-DT	17	Augusta, ME			

New LPTVs on the air:

KFNT-LP	23	San Diego, CA	K31DM	31	San Angelo, TX
W52CE	52	Sayre, PA	K41DO	41	San Angelo, TX
K46EV	46	Dallas, TX			

Seven low-power stations in Canada have been deleted. The wireless-cable system at Snowden, Sask. consists of CH4397-CH4402 on channels 33/38/43/47/51/55; the seventh deleted station is CH4357 [7] Baynes Lake, BC. In Minneapolis, K07UI and K35CY are both off. Channel 35 is being displaced by KARE-DT; it has a permit to return as K67HG. I don't know why channel 7 is gone.

Call changes

Was:	Now:	City:	Ch	Was:	Now:	City:	Ch:
W19CB	WOTM-LP	Montevallo, AL	19	W57DI	WJNI-LP	N Charleston SC	57
K13WS	KBZZ-LP	Prescott, AR	13	W25CR	WXMS-LP	Cleveland, TN	25
K28FV	KCOS-LP	Phoenix, AZ	28	WYHY	WJZC-LP	Sevierville, TN	22
new	KDTP	Phoenix, AZ	39	K43EQ	KTXD-LP	Amarillo, TX	43
W48BC	WDES-LP	Destin, FL	48	K58FZ	KPTC-LP	Cisco, TX	58
W22CB	WPFN-LP	Panama C, FL	22	K55FX	KLAO-LP	C Christi, TX	55
W42BQ	WTHC-LP	Atlanta, GA	42	K65HA	KVFW-LP	Ft. Worth, TX	65
W56CD	WANX-LP	Rome, GA	56	K52FR	KTIZ-LP	Harlingen, TX	52
W32CC	WHDS-LP	Savannah, GA	32	K39EL	KNEZ-LP	Laredo, TX	39
WJPS	WAZE-LP	Evansvl., IN	4	K32ER	KLIA-LP	McAllen, TX	32
WAZE	WWAZ-LP	Evansvl., IN	52	K67HC	KSFE-LP	McAllen, TX	67
K57HD	KNOV-LP	New Orleans	57	K69HZ	KSTI-LP	McAllen, TX	69
WPKZ	WPXU-TV	Jacksonville, NC	35	K62FR	KNTA-LP	New Braunfels, TX	62
W65DL	WXOX-LP	Cleveland, OH	65	K50FF	KMAO-LP	Raymondvl, TX	50
W22AX	WXWZ-LP	Guayama, PR	22	K41DO	KANG-LP	S Angelo, TX	41
W33BN	WIDI-LP	Ponce, PR	33	K25ES	KEVI-LP	S Antonio, TX	25
W08CV	WGSC-LP	Myrtle Beach, SC	8	K63GD	KOBS-LP	S Antonio, TX	63
W11BR	WGSJ-LP	Myrtle Bch.	11	K68EI	KRYT-LP	S Antonio, TX	68
W22CN	WFAJ-LP	N Charlestn, SC	22	W03AJ	WKPZ-LP	Wythevl., VA	3

With the exception of the corrections that appear above, last month's changes in Texas are now all official.

Programming changes

Call	Location	Programming
New [55]	Gulf Shores, AL	to be WB when built.
K50FB	Palm Springs, CA	to UPN.
KRON [4]	San Francisco, CA	to go independent in 2001.
KWHS-LP [51]	Colorado Springs	drops UPN, just WHT religion.
New [26]	Pueblo, CO	to be WB when built.
KJMH [26]	Burlington, IA	WB.
W34CK	Arlington Heights, IL	now translates WJYS [62].
W09AJ	Republic, MI	sold to WUPT-LP [49], UPN.

K56FH	Duluth, MN	sold to "Duluth Datacasting Partners"; to carry data instead of video?
New [35]	Vicksburg, MS	to be WB when built.
New [26]	Great Falls, MT	to be WB when built.
WILM-LP [10]	Wilmington, NC	from UPN to CBS.
KASY [50]	Albuquerque, NM	returns to UPN.
W17CH	Long Island, NY	back on the air with The Box. (not in FCC DB, I don't know the city.)
KZMC-LP [35]	McAllen, TX	adds 3ABN to Pax.
WJPR [21]	Lynchburg, VA	WB. (added to Fox, or only WB?)

WB is claiming three new stations as affiliates. All three are scheduled to come on the air between June and September of this year. Their website also claims KPWB [23] Ames/Des Moines, Iowa should be coming on the air next month. The Great Falls info is from the local newspaper; it doesn't say which of three applications has been granted to take the affiliation.

Forum & Other Stuff

Thanks to Chip Kelley, Fernando Garcia, Jeff Kitsko, John Ebeling, Ryan Grabow, and Neil Kazaross for information appearing elsewhere in this column. There's a surprising shortage of official information this month. I suppose the FCC was too busy dealing with LPFM and the hubbub their religious broadcasting announcement caused.

The big news this month is the affiliation change in San Francisco. KRON was recently sold to Young Broadcasting (owners of KCAL [9] Los Angeles, that city's only pure independent on VHF). NBC (and Fox, among others) had been among the bidders for the station. When Young won, they entered negotiations with NBC to keep the affiliation, but were unwilling to make the changes the network demanded. (reportedly including "branding" the station as "NBC4" instead of KRON, and greatly reducing the amount of pre-emption of network programming)

There are reportedly several stations interested in the affiliation. KNTV [11] San Jose, currently an ABC affiliate, is already planning on going independent in July of this year, and doubling its power to achieve better coverage of the North Bay. (KNTV's power had been kept below the FCC limit to avoid excessive overlap with ABC's KGO [7] San Francisco) But even with the power increase, KNTV's coverage in the northern part of the Bay Area may not be that good. While they can probably move their NTSC site further north (if a site can be found!), their DTV channel is 12 and it's likely a move to the north would be short-spaced to KHSL's NTSC transmitter at Chico. Several UHF independents, home-shopping, and ethnic stations exist in San Francisco proper, which would have a considerably better signal there.

Chip Kelley noted the changes on the channel 10 LPTV in Wilmington, NC while reading the Capitol Broadcasting webpage. This station had been a UPN affiliate before being purchased by Capitol, owners of WRAL [5] Raleigh among other stations. Wilmington has had no CBS affiliate since WJKA [26] became WSFX, the first of many stations to switch from CBS to Fox.

DXers should also note the permit issued for a new high-powered station on channel 6 in Manitoba. This station will relay CHMI [13] Portage la Prairie, reportedly known as "A-Channel Manitoba". Note also that there's a new high-powered channel 4 on the air in Colorado. If the frequent reception of KREG [3] is any indication, I'll be logging this one here soon! I have not seen anything official on network affiliation for this station, but with the calls KFQX you can probably guess what it'll be. Finally, note the new full-power channel 55 station in central Wisconsin - we won't be seeing it by E-skip, but that is an area that a lot of people see by tropo. Again, I don't have any official affiliation information but Fox seems a reasonable guess.

In Mexico, XEQ [9] and its relayers have a new slogan: "Canal 9 Milenio". Fernando also notes on the Televisa webpage that XHTV [4] now has several stations throughout Mexico relaying their programming parttime, and a few relaying it fulltime. Some places on the page call the station "XHTM", which really doesn't matter as the call letters are never used on the air. The station is known as "Central 4". Fernando's local XHCNL [34] is one of the nearly fulltime XHTV relayers.

As I write in mid-February, we've seen an amazing late-season E-skip opening from California and Arizona to South Texas. Radio amateurs made contacts up to 222MHz (only the third time on record that the MUF has gone that high), so channel 13 skip should have been possible. Here's hoping we're in for a record-breaking skip season in Y2K...

WESTERN TV-DX

March 2000

Marvin Shults, RR #1, Toulon, IL 61483.

January 2000	CST
01Es 2345 WGBH	2 MA
2350 WLBZ	2 ME
2350 WFSB	3 CT
2359 WBZ1	4- MA
02 Es 0012 WCVB	5 MA
0015 WLNET	6 RI
05Es 2125 WLBZ	2 ME
2129 CBHT	3 NS
2130 CBHT1	4 NB
2130 CJCH	5 NS
2135 WCSHT	6 ME
2135 C	6 NS??
2218 WGBH	2 MA
18tr 0625 KHOG	29 AR
0625 KHBS	40 AR
0629 KPOM	24 AR
0630 KPTM	42 NE
0630 KCWE	29 MO
0700 KTPX	44 OK PAX
0700 KWMJ	53 OK REL
0700 KOKI	23 OK ??

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

This report is for January 2000. The relatively mild weather continued from December into January with some coastal tropo to San Diego/Tijuana TV-FM up to 200 mi/ 315 km. But from January 16 on, more typical winter conditons finally took hold, with cold weather fronts and occasional rain.

Jan 1-3:	None (Continuing from Dec 31)
Jan 4:	Very poor to poor
Jan 5:	Very poor to none
Jan 6:	None to poor
Jan 7 am:	Very poor
Jan 7 eve-8:	Poor
Jan 9 am:	Fair (No ch 49 CCI; maybe before s/on)
Jan 11 eve-13 am:	None
Jan 13 eve:	Fair (Ch 49 CCI u/local K49EK)
Jan 14:	Poor
Jan 15:	Very poor
Jan 16-26:	None (Jan 18 light rain, Jan 25 rain)
Jan 27:	Poor
Jan 28-29:	Very poor
Jan 30-31:	None (Jan 30 rain)

Yet another Wasco left-over: I forgot to note the following in a past report to Western TV-DX. On tropo Nov. 14 0130 PST for aprox. 90 min was CCI on regular KSDI-LP 34 (The Box) Fresno. Picture was only CCI under KSDI video, but sound overtook KSDI occasionally as audio of ACN shopping (same as K55IM Fresno). Maybe a ch 34 signal further north or northwest (Stockton/Sacramento region or vicinity?) but not sure.
Best of DX to all. Dennis.

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

William Eckberg, 1032 Sterling Rd., Dixon, IL 61021-9355	
November 1999	CST
07tr 1725 KSAX	42 MN 404
1800 KXNE	19 NE 402
11tr 0505 KSAX	42 MN 404
13tr 0205 KSAX	42 MN 404
December 1999	
14tr 0445 KSAX	42 MN 404
January 2000	
05Es 0835 CICT	2 AB 1293
0845 CKAL	5 AB Calgary 1293
15tr 2025 W34CK	34 IL Arlington Heights 72
2230 K66FA	66 IA Davenport 61
17tr 0220 KPTH	44 IA Sioux City 355
18tr 0530 KHOG	29 AR 463
0600 KHBS	40 AR 513

Very strong Es through ch. 5 was into Calgary at 0835 on January 5. Upon return of photos, I determined I had the new ch. 5 in Calgary and not Edmonton-5. A local weather map shows Tuscany, Cranston, and Deerfoot Mall. ATT says the latter is in Calgary. I have never logged midwinter Es to the north at such an early hour. It is also unusual for me to see a new station in mid winter.

Es to the south and southwest were in after 1130 on January 12. An unidentified Spanish-speaking station was received for an hour on ch. 2 with a symbol in the lower right corner. I also saw a larger version during the noon news broadcast. The first letter was similar to the mathematical "pi" sign and was followed by an upward-slanting "OY". Has anyone seen this before?

Many new stations are on the air. Arlington Heights-34 was on 48 hours with c/b, QTH, and ID before regular programming. Davenport-66 (3ABN) has been on a year. Sioux City-44 is seen regularly.

Fernando Garcia, San Salvador 415, Rincon de la Sierra Cd Guadalupe, NL, 67181 MEXICO
ac001984@acnet.net,
FTD is furthest tropo of the day.
TSLD Total of stations logged of the day.

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

January 1	CST
0200 KADN	15 LA Lafayette 586
WPMI	15 AL Mobile 838
KIKE-LP	28 TX McAllen FTN 130
WMAH	19 MS Biloxi 770
WNOL	38 LA New Orleans 694

Western TV DX F. Garcia's report continues

WGNO	26 LA New Orleans	694
0430 WLAE	32 LA New Orleans	694
WPXL	49 LA New Orleans	688
WUPL	54 LA Slidell	705
0445 K59DG	59 LA New Orleans TBN	688
0615 WHNO	20 LA New Orleans	688
W46AV	46 MS Pascagoula TBN	783
KLPB	24 LA Lafayette	567
WVLA	33 LA Baton Rouge	633
KVHP	29 LA Lake Charles	530
0630 WXVX	25 MS Gulfport	764
0645 K56DR	56 LA Baton Rouge TBN	633
WMPV	21 AL Mobile	842
0700 WPAN	55 FL Fort Walton B.	869
WHBR	33 FL Pensacola	838
0845 KLFT-LP	21 LA Lafayette BOX	592
WMAU	17 MS Bude	697
KLTL	18 LA Lake Charles	548
K66FI	66 LA Opelousas TBN	599
K46CR	46 LA Baton Rouge BOX	645
KLAF-LP	62 LA Opelousas UPN	600
K69HD	69 LA Church P. UPN	586
K51EC	51 LA L. Charles TBN	532
WGMB	44 LA Baton Rouge	633
0900 WEIQ	42 AL Mobile	825
KDXT	58 TX Dallas	518
KXTX	39 TX Dallas	518
0915 K55HA	55 LA New Iberia UPN	596
0930 WAFB	9 LA Baton Rouge	638
0945 WLOX	13 MS Biloxi	762
KETK	56 TX Jacksonville	532
KFKX	51 TX Longview	557
KFWD	52 TX Fort Worth	522
1000 W52BF	52 AL Mobile HSS	818
WIIQ	41 AL Demopolis	877
K30EM	30 LA Houma HTV	644
W29BH	29 MS Biloxi TBN	757
1015 K46DG	46 LA Lafayette UPN	587
1030 KATC	3 LA Lafayette	566
1100 K49DE	49 LA New Iberia TBN	596
1115 W47BP	47 MS Hattiesburg ed.	766
2030 WAPT	16 MS Jackson	754
WCFT	33 AL Tuscaloosa	924
KLPA	25 LA Alexandria	619
WMAW	14 MS Meridian	807
WDBB	17 AL Bessemer/WTTO-21	917
2115 WXXV	15 MS Greenville	794
KPXJ	21 LA Minden	640
2130 WNCF	32 AL Montgomery	928
WIAT	42 AL Birmingham	969
W63BK	63 MS Meridian TBN	834
TSLD:AL(8),FL(2),LA(28),MS(11),TX(5)		
FTD:	AL Birmingham	969
January 2		
0000 WABM	68 AL Birmingham	966
WTTO	21 AL Homewood	969
WTJP	60 AL Gadsden	998
WFIQ	36 AL Florence	964
0015 KASN	38 AR Pine Bluff	772

WPTY	24 TN Memphis	904
WPXX	50 TN Memphis	904
0030 KYPX	42 AR Little Rock	803
KLRT	16 AR Little Rock	782
0130 WMAV	18 MS Oxford	866
0345 WUPA	69 GA Atlanta	1100
WGNX	46 GA Atlanta	1104
WHSB	63 GA Monroe	1119
WTBS	17 GA Atlanta	1101
0400 WDTA-LP	53 GA Fayetteville	1101
	Worship	
WZDX	54 AL Huntsville	1025
WHNT	19 AL Huntsville	1028
0415 WATL	36 GA Atlanta	1104
KKYK	49 AR El Dorado	693
	running ACN Shop	
0430 WGNX-DT1	19 GA Atlanta	
WMCF	45 AL Montgomery	965
WLPB	27 LA Baton Rouge	638
0445 WPBA	30 GA Atlanta	1103
0500 WSWS	66 AL Opelika	1023
0515 WPGD	50 TN Hendersonville	1102
0530 WAIQ	26 AL Montgomery	959
	WSKC-LP 59 GA Atlanta BOX	1106
0600 KLAB	31 LA Alexandria	618
0615 WMPN	29 MS Jackson	747
0630 WJSP	28 GA Columbus	1057
WPXA	14 GA Rome	1105
0730 WFSG	56 FL Panama City	929
WGIQ	43 AL Louisville	987
0900 WLTX	38 GA Columbus	1036
	TSLD:AL(18),AR(4),FL(3),GA(12),LA(20),MS(9),TN(3),TX(2)	
	FTD: GA Monroe	1119
	Monterrey temperature go up to 91.	
January 3		
	"TSLD:AL(2),FL(3),LA(12),MS(2)"	
	FTD: FL Panama City	929
January 5		
0730 WTTA	38 FL St. Petersburg	
WMOR	32 FL Lakeland	1135
0745 WBHS	50 FL Tampa	1116
	TSLD:FL(3)	
	FTD: FL Lakeland	1135
January 9		
0800 KLDL	55 TX Lake Dallas	544
1000 KDFI	27 TX Dallas	518
1030 KPXD	68 TX Arlington	518
	TSLD:LA(5),TX(6)	
	FTD: LA Baton Rouge	633
January 10		
0600 KWBJ-LP	39 LA Morgan City WB	618
2030 WFXL	31 GA Albany	1066
WTXL	27 FL Tallahassee	1031
W50CF	50 AL Mobile WPAN-53	817
WAWD	58 FL Fort Walton B.	897
2100 WTEV	47 FL Jacksonville	1179
2130 W31BB	31 FL Pensacola HSN	855
WDHN	18 AL Dothan	982
WACX	55 FL Leesburg	1180
2145 WOGX	51 FL Ocala	1123
WRBW	65 FL Orlando	1182

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

WAWS	30	FL	Jacksonville	1179
WJEB	59	FL	Jacksonville	1180
WGFL	53	FL	High Springs	1112
W69AY	69	FL	Alachua WACX-55	1128
TSLD:AL(7),FL(15),GA(1),LA(18),MS(4)				
FTD:	FL	Orlando		1192
January 11				
0030	W41BN	41	AL Dothan TBN	980
	WSST	55	GA Cordele	1081
0045	W45AA	45	MS Columbia MS ed	739
0100	KAGN-LP	65	LA Crowley	572
	WSRE	23	FL Pensacola	857
	KBTR-LP	19	LA Baton Rouge	642
	WSTY-LP	23	LA Hammond	682
	W36AC	36	MS Mccomb	710
0115	WDBD	40	MS Jackson	754
0130	K67GL	67	LA Bunkie FOX48	614
	WTBC-LP	65	FL Tallahassee	1025
	W68CM	68	FL Panama City TBN	943
0145	WJTC	44	FL Pensacola	842
	WPGA	58	GA Perry	1115
	WFGX	35	FL Fort Walton B.	892
	K58FI	58	LA Lake Charles	530
0230	K14IE	14	LA La Gretna HSS	688
	WYES	12	LA New Orleans	693
	WVUE	8	LA New Orleans	693
0300	K57HD	57	LA N.Orleans tour.	687
0430	WPGX	28	FL Panama City	952
0515	WABW	14	GA Pelham	1048
	WALA	10	AL Mobile	831
	WDSU	6	LA New Orleans	693
	WDAM	7	MS Laurel	774
	WWL	4	LA New Orleans	687
	WEAR	3	FL Pensacola	839
	K52EV	52	LA Leesville FOX48	574
0600	WHLT	22	MS Hattiesburg	775
	WTOK	11	MS Meridian	834
0630	WBSF	43	FL Melbourne	1200
0700	WGBC	30	MS Meridian	834
	WOPX	56	FL Melbourne	1189
	WBCC	68	FL Cocoa	1200
	WTGL	52	FL Cocoa	1200
0715	WKCF	18	FL Clermont	1192
	WMFE	24	FL Orlando	1191
0730	WUSF	16	FL Tampa	1116
2015	WJXX	25	FL Orange Park	1163
2200	WXTX	54	GA Columbus	1037
	TSLD:AL(15),FL(28),GA(7),LA(41),MS(18),TX(4)			
FTD:	FL	Cocoa		1200
January 12				
0200	WNTZ	48	MS Natchez	670
0230	KARD	14	LA West Monroe	659
	W53BO	53	MS Jackson	754
0245	KSHV	45	LA Shreveport	616
0300	KLTS	24	LA Shreveport	616
	KMS5	33	LA Shreveport	615
	WBMA-LP	58	AL BirminghamWCFT	963
0430	W47BS	47	AL Talladega ind.	996
	WAFF	48	AL Huntsville	1027
0500	W51BY	51	AL Birmingham WTJP	966

WAAY	31	AL	Huntsville	1028
0530	W43BF	43	MS Columbus ind.	891
	WHIQ	25	AL Huntsville	1028
	KVTH	26	AR Hot Springs	739
0645	K30EA	30	TX Texarkana	651
0700	WCES	20	GA Wrens	1197
	WGXA	24	GA Macon	1115
2130	XHCAWt	58	CU Piedras Negras	
			running XEQ-9	
	TSLD:AL(23),AR(5),FL(6),GA(13),LA(21),MS(13),TN(1),TX(5)			
FTD:	GA	Wrens		1197
January 13				
0030	KSTR	49	TX Irving	518
0700	XHCAW	58	CU Piedras Negras	265
			local newscast	
	TSLD:TX(7)			
FTD:	TX	Longview		557
January 15				
	TSLD:AL(1),LA(2),TX(2)			
FTD:	AL	Mobile		838
January 17				
	TSLD:TX(2)			
FTD:	TX	Dallas		518
January 18				
0530	Heavy CCI	to K68FU-Laredo	on same heading	
	It seems not to be San Antonio	as other area ations are weak		
	TSLD:LA(8)			
FTD:	LA	Baton Rouge		638
January 19				
	TSLD:AL(1),FL(1),LA(13),MS(2)			
FTD:	FL	Fort Walton Beach		
January 20				
	TSLD:LA(9)			
FTD:	LA	New Orleans		694
January 21, 23, 30				
	TSLD:TX(1)			
FTD:	TX	Dallas		518
Not a bad month with five days with 1,000+ mile tropo openings, best concentrated in the first half of the month, second half dominated clouds and rain over Gulf of Mexico.				
Danny Oglethorpe, P.O. Box 17452, Shreveport, LA 71138-0452 Email: doglethorpe@yahoo.com				
The Es was not great for a January, but it did produce a fair number of loggings. The high points of the month were the late night Es opening on the 11th (EST), the short-lived reception of XEFE-2 at 483 miles (my third logging of the station via Es), and the super tropo on the 12th (while the dish was down for repairs).				
Tropo: No relogs under 400 miles; no LPTV relogs under 200 miles.				
January 2000 UTC				
2 tr	0230	Valley 4,5,7,9,12	(after local s/off)	500
	0400	Laredo 11, 13		481

Western TV DX *D. Oglethorpe's report cont'd*

1015	XHRIOt	2	TAM Home Shopping;	
			Not Baton Rouge or Houston	
Es	1750	KNAZ	2	AZ 1045
	1825	KGFE	2	ND Prairie 1086
	1705	KVOA	4	AZ 1004
	1727	KPHO	5	AZ 1065
	2210	XHFM	2	VER Televisa Veracruz 923
3 Es	1720	KXMA	2	ND KXMB 1110
	1728	KPRY	4	SD KSFY 900
	1745	KIVV	5	SD KEVN (Fox 7) 987
	1845	KWSE	4	ND Prairie 1206
	2102	CKND2	2	MB Global 1279
	2358	CKPR	2	ON TBT 1130
4 Es	0005	CKYB	4	MB Nx 1247
		CKX	5	MB Nx 1247
	2020	KDKA	2	PA 945
	2048	WMAR	2	MD 1072
	2049	WCBS	2	NY 1238
	2115	WRC	4	DC 1042
6 Es	1732	CKPR	2	ON 1130
	1759	KTCA	2	MN 869
	1812	KGFE	2	ND 1086
	2115	WMAR	2	MD 1072
	2325	WJBK	2	MI 904
7 Es	1750	CHBX	2	ON Nx 1098
	1805	WBAY	2	WI Nx 892
12Es	0420	WTAE	4	PA 945
	0428	WMAR	2	MD 1072
	0435	WOAY	4	WV 810
	0440	WTTG	5	DC 1042
		WRC	4	DC 1042
tr	0535	Laredo	8, 13	481
	1400	Birmingham	10, 13	410
	1405	WMAZ	13GA	590
	1440	WJHG	7 FL	502
	1443	WAKA	8 AL	394
	1545	WTVM	9 GA	512
	1628	WDIQ	2 AL Rare	432
	1630	WFSU	11FL	577
	1648	WCIQ	7 AL W/WJHG floating	469
	1658	Atlanta	GA 2, 5	551
	1717	WGTV	8 GA	610
		WXIA	11GA	551
Es	1757	Denver	2, 4	806
	1815	Lander	WY 4, 5	1071
26Es	1440	KDKA	2 PA	945
	1658	XEFE	2 TAM ID bars; brief	483
	2325	unIDs	2, 4, 5 Mexico	
		XHTV	4 DF	958
30Es	1650	WSB	2 GA	551
Comments: Thanks to Fernando for the URL of the newly updated Televisa web site, and for pointing out that his local XHCNL-34 is now relaying XHTV-4 from Mexico City (Central 4). After spending a good amount of time studying the site, it is my contention that XHTV is still not relayed on a full-time basis by any station on channel 4. Therefore, when I see Central 4 on channel 4 (which is pretty often via Es),				

I'm going to continue counting it as XHTV in DF. I feel like it may not be long, however, before XHTV is relayed full-time by stations throughout Mexico (including some on channel 4). Former independent XEDK-5 Guadalajara (in addition to XHCNL-34) became an XHTV relay in January.

We finally put the dish back up on January 18, after missing out on the UHF side of the great tropo of 1/12.

Dave Pomeroy, 2321 SE Libra Ct., Topeka, KS 66605-3505 zzpomer@washburn.edu

May 28, 1999 0600 KFPX-39* Newton, IA				
Jul 9	1700	UNID-2	(Es) east	
	2200	WICS-20	WRSP-55 Springfield, IL	
		WEEK-25	WMBD-31 WTVP-47 Peoria, IL	
			26,32,44,60,66 Chicago, IL	(465)
Jul 8	0600	WICS-20	WRSP-55 Springfield, IL	
		2130	UNID-18 "Fox 18"	
Jul 13	2130	KMEG-14	Sioux City, IA	(248)
		KDLT-46*	Sioux Falls, SD	(314)
		KPTH-44*	Sioux City, IA	(248)
		WMSN-20	Worthington, MN	
		KXVO-15	KPTM-42 Omaha, NE	
			"particularly strong"	
Jul 14	0600	KPXR-48	Cedar Rapids, IA	
		KHBS-40	Ft. Smith, AR	
		KCAN-9	Sioux City, IA	
		KFPX-39	Newton, IA	
		WMTV-15	Madison, WI	
		UNID-25	"The Box"	
			17,23,41,47 Tulsa area	
		K33EK-33*	Sand Springs, OK	
		UNID-69	"3ABN"	
		K58EY-58*	Muskogee, OK KDOR-17	
		UNID-39	"America's Store"	
		WHPN-57*	Janesville, WI "UPN57"	
Jul 15	0630	WTVO-17	Rockford, IL	(407)
		WIFR-23	Freeport, IL	(408)
	0655	WMSN-47	Madison, WI	
	0700	KLJB-18	Davenport, IA	(320)
Jul 24	0600	K46AH-46	Medford, OK	
			23,52,39,58 Dallas area	
		KTVG-17	Grand Island, NE	(195)
	1000	K58EY-58	Muskogee, OK	
			23,41,47,53,44 Tulsa area	
		KRSC-35	Claremore, OK	
Jul 25	0700	K30AE-30	Alva, OK	
		UNID-55	"America's Store"	
	0900	KSMQ-15	Austin, MN	(350)
		UNID-45	TBN	
		KPXR-48	Cedar Rapids, IA	(300)
Jul 26	am	K577?-57	KPTM-42	
		KTVG-17	Grand Island, NE	
		K39EK-39	Columbus, NE "Weather Channel"	
		K46EE-46	Columbus, NE "ESPN"	
		K44EJ-44	K54EU-54 K63FQ-63	
		K65GE-65	Columbus "scrambled"	
		KLKE-24	Albion, NE	(245)

Western TV DX *Dave Pomeroy's report cont'd*

Jul 28	2100	KPTH-44	KMEG-14	Sioux City, IA	
		KMSN-20		Worthington, MN	
		KDLT-46		Sioux Falls, SD	
		WHLA-31		LaCrosse, WI	(398)
		KFXB-40		Dubuque, IA	(357)
		WMSN-47		Madison, WI	(423)
	2200	WDJT-58		Milwaukee, WI	(491)
		WHPN-57		Janesville, WI	
		WIFR-23		Freeport, IL	
		WMTV-15		Madison, WI	(425)
Aug 15	0630	KWBT-19*		Muskogee, OK	(225)
		KMEG-14		Sioux City, IA	
		UNID-58		"UPN58"	
		0635	KPTH-44	Sioux City, IA	
Aug 29	0600	WMSN-47		Madison, WI	
		WHPN-57		Janesville, WI	
		KDLT-46		Sioux Falls, SD	
		KBSI-52		Oklahoma City, OK	
		WHLA-31		LaCrosse, WI	
	2230	KTVG-17		Grand Island, NE	
		KSNB-4		Superior, NE	
	2250	KOLN-10		Lincoln, NE	
		2300	UNID-56	KPTM-42	
Sep 6	0800	KMEG-14		WMSN-20	
		KDLT-46		KPTH-44	
Sep 8	0630	KWKB-20*		Iowa City, IA	(293)
Sep 22	2200	17,19,23,35,41,47		Tulsa, OK	
		KHBS-40		Ft. Smith, AR	(277)
Sep 23		KWCV-33*		Wichita, KS "WB33"	(130)
		UNID-42		Joplin, MO	
Oct 10	0730	KWKB-20		Iowa City, IA	
Oct 21	am	KFXB-40		Dubuque, IA	
		KCCI-8		Des Moines, IA	
		K33AA-33		Ottumwa, IA	
		KTVC-48		Cedar Rapids, IA	
Nov 11	1800	KDLT-46		KMEG-14	KPTH-44
		1900	WKOW-19	WHLA-31	LaCrosse, WI
		1930	KSMN-20		Worthington, MN
			KXLT-47		Rochester, MN
			KFPX-39		Newton, IA
		2000	WMTV-15		Madison, WI
		2120	KWKB-20		Iowa City, IA
			KFXA-28		Cedar Rapids, IA
			KFXB-40		Dubuque, IA
			WMSN-47		Madison, WI
Nov 13	0600	KDLT-46		Sioux Falls, SD	
			WHPN-57		Janesville, WI
			KFXA-28		Cedar Rapids, IA
			KFXB-57		Dubuque, IA
			K24AA-24		Falls City, NE w KEYC-12 not KUON-12
	0730	WDJT-58		Milwaukee, WI	
		WGBO-66		Chicago, IL	
0800		KBSI-52		Oklahoma City, OK	
		K46AH-46		Medford, OK	
		WSNS-44		Chicago, IL	
		K71BO-71		Herington, KS	KAKE-10
		KOCB-34		Oklahoma City, OK	(259)
		15,33,59		Wichita, KS	
		K68EH-68		Ponca City, OK	

0830	KPTH-44		Sioux City, IA
	KSMN-20		Worthington, MN
1000	K14AF-14		Decorah, IA
	WHLA-31		WXOW-19
			LaCrosse, WI
1030	KWKB-20		Iowa City, IA
1100	WMTV-15		Madison, WI
Jan 3/00	1800	CITO-3*	Timmons, ON
Feb 2	1900	KCPT-DT 18*	Kansas City, MO (63)

The KCPT-DT 18 reception was using a Win TV-D on the PC.

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

January 2000		CST	
1 tr	1945	KVTN	25AR "VTN" 270
	2004	KLRT	16AR Fox 305
		KASN	38AR UPN 38 270
	2010	KYPX	42AR Pax 300
	2140	KXAN	36TX 395
2 tr	0057	WPTY	24TN WB 24 325
	0106	WLMT	30TN UPN 30 325
3 Es	1130	unid CCI	3
10 tr	0722	WJSP	28GA "GPTV" 390
	0729	WHSG	63GA TBN 490
	2117	KVEO	23TX NBC 500
	2122	WDHN	18AL ABC 340
	2127	WXPX	66FL Pax 560
	2130	WFTS	28FL ABC 550
		WBHS	50FL HSN 550
	2133	W41BN	41AL TBN 340
	2140	K68DJ	68TX TMD 425
	2141	XHOR	14TA Azteca 7 505
	2157	WRBW	65FL ID 600
	2225	WGIQ	43AL APT 345
	2228	WAWD	58FL Destin ads 260
	2229	WBSV	62FL ID 575
		unid 63 to East	
	2244	unid 11 SS due S., not XHAB, audio only	
	2307	XHFOX	17TA Fox 17 535
	2324	WBSF	43FL HSN in color! 655
	2339	WACX	55FL Oral Roberts 565
	2348	XHCNL	34NL soccer match in SS - Note 1 650
11 tr	0001	XHMAT	11TA Azteca 13 500
		XHREY	12TA Azteca 13 535
	0032	WOFL	35FL Nat'l. Enquirer TV 600
	0037	KZTV	10TX ID 425
	0047	KMBH	60TX 495
	0114	XHAB	7 TA ID 505
	0116	KORO	28TX Cristina 425
	0559	XHSAW	64NL ID'ed color bars 610
	0603	XHMOY	22NL SS, phone # at bottom
	0607	KTLM	40TX TMD 545
	0628	XHLNAT	21TA SS
	1953	WTEV	47FL UPN 560
	1955	WTLH	49FL ID 390
		WFXU	57FL ID 490
		WAWD	58FL strong! 260
1956	WFSG	56FL	PBS 325

Western TV DX *Jeff Kruszka's report cont'd*

2004	WOGX	51FL	Fox	545
2032	WTWC	40FL	NBC	405
2052	WJWB	17FL	WB	560
2101	WFTX	36FL	"Fox 4 News"	620
2119	KWEX	41TX		445
	KVDA	60TX		445
2127	KAKW	62TX	WB	390
2129	K63DL	63TX	KCEN-6 promos	310
2138	KPXD	68TX	Pax	385
2153	W60BK	60FL	TBN to SE	550
2305	W31BBT	31FL	Home shopping to E., not //50	
2306	WVEA-LP	61 FL	SS to SE - Note 2	555
2319	KUVN	23TX	Univision	365
2345	WXTX	54GA	ID	360
2351	W69AYI	69FL	see Note 3	

16 tr	0008	WTJP	60AL	TBN	390
	0113	WJSP	28GA	GPTV	390

Note 1 - Thanks to Fernando Garcia for confirmation on this one!

Note 2 - There's no way this SS station was Miami, and being the only other possibility in this direction, I'm going to log it as Tampa. I've had a tentative on this for a couple of years now. Furthest LPTV by tropo!

Note 3 - Weak in color, to E., with Oral Roberts. Intense Gulf Tropo on 1/10-1/11 with signals from both East and West, so much so that I thought my antenna motor was going to burn up I was rotating it so much! Nice to get 4 new ones out of this session - it get's tougher the more you've logged!



1999 FINANCIAL REPORT

Prepared by Dave Janowiak, Comptroller

Opening Balance as of January 1, 1999 ----- \$4,191

Receipts:	
Revenue from dues and sample sales:	\$6,347
Interest:	87
Total Income:	\$6,434

Expenses:	
Publishing (1/99 - 12/99):	\$5,981
Miscellaneous (stamps, memberships, post office box rental, subscriptions, nsf checks, photo work):	168
Total Expenditures	\$6,149

Operating Margin (receipts minus expenses) \$ 285

Closing Balance as of December 31, 1999 ----- \$4,476

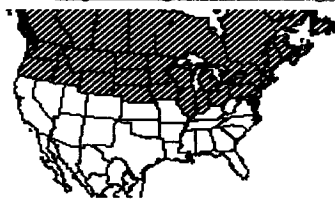
(NOTE: In 1998, the WTFDA showed an operating margin of +\$285. This report assumes payment of the publishing costs for the last quarter of 1999; but not yet billed to WTFDA by publisher Bill Thompson.)

NORTHERN FM DX

MARCH 2000

DEADLINE: The 5th of the month before publication
LOG CUTOFF: 4 months from postmark
COLUMN REPORTING AREA: See map to the right
 (also includes Europe & Asia)

EDITOR: GREG CONIGLIO
 90 SLATE CREEK DRIVE APT. #3
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E-MAIL: coniglio@localnet.com
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NEW EDITOR NEEDED. Unfortunately, thanks to new time constraints, I no longer have the time to do both this column and FM NEWS, so if anyone is interested in taking over NFMDX, please write me, or the club. It will feel weird to not do the column (having done it since February 1988), and I want to thank all of the reporters over the 12 years, for making this a very enjoyable experience! If you have any questions about volunteering by doing a column in the VUD, feel free to write for advice! Look in From The Staff for more information. Thanks once again!!

WELCOME NEW REPORTER!!

ROBERT SEAMAN - 559 1/2 N. LOCUST ST. - HAZLETON, PENNSYLVANIA 18201-4922
 Equipment: Onkyo T909. Finco FM4G & CM 3614B. 540-455-8040

SEPTEMBER 1999 DX 2 Tr (ducting?)

1005 WHUD 100.7 NY Peekskill
 o/WLEV Allentown
 1008 WCBS 101.1 NY New York, o/WBEB Phila.
 1015 WBAB 102.3 NY Babylon
 1035 WWRX 103.7 RI Westerly, o/WNNJ Newton
 1050 WBEA 104.7 NY Montauk, "Beach Radio"
 1115 WBLI 106.1 NY Patchogue, o/WJJZ Phila.
 Mentioned Sunrise Mall, & businesses in
 Massapeaque and Brookhaven
 1140 WRQX 107.3 DC Washington, o/WKOK
 Northumberland, PA
 1228 WWDC 101.1 DC Washington, o/WBEB Phila.
 1231 WDJO 99.5 DC Washington, "Jammin'
 Oldies", ex: WGAY, over WJBR
 1235 WHFS 99.1 MD Annapolis
 1240 WALK 97.5 NY Patchogue, o/WPST
 Trenton, NJ

4 Strong Tr

0930 WNEW 102.7 NY New York, over semi-local
 WKSB Williamsport, PA
 0935 WDV E 102.5 PA Pittsburgh, over semi-local
 WRFY Reading, PA

29 Tr

2147 WQHQ 104.7 MD Ocean City-Salisbury

2152 WRDR? 104.9 NJ Egg Harbor City, Spanish
 speaking DJ's and music, mentioned Atlantic
 City, no call letter ID or it was in Spanish.
 2204 W??? 105.9 ?? "Cat Country 97.5 and
 105.9"
 2212 WHTG 106.3 NJ Eatontown, o/WHCY
 Blairstown, NJ
 2215 unID 107.3 ?? "New Cat Country" (Robert,
 this is WPUR Atlantic City, I believe-grc)
 2225 WSNJ 107.7 NJ Bridgeton
 2235 WAXQ 104.3 NY New York
 2240 WQCD101.9 NY New York (o/MAVT
 Pottsville)
 2247 WCDW 100.5 NY Conklin, "CD100"
 2252 WWDB 96.5 PA Philadelphia, o/WPEL
 2300 WBSS 97.3 NJ Millville, New Jersey 101.5,
 in much stronger than normal

OCTOBER 16, 1999 TR

2100 WQHQ 104.7 MD Ocean City
 2112 WRDR? 104.9 NJ Egg Harbor City, Spanish
 music & DJ, mentioned Atlantic City
 2120 W290AC 105.9 PA Palmerton, satellite of
 KEAR 106.9 religious program
 2133 WKXZ 93.9 NY Norwich
 2140 WQNY 103.7 NY Ithaca, country music
 2148 WPOC 93.1 MD Maryland, 17 dBf next to
 local 92.9 WMGS
 2154 WXRK 92.3 NY New York

I have noticed since the Spring of 1999 that 93.3 in Williamsport, PA has reduced their signal strength somewhat. They had been obliterating WMMR (Phila.) which comes in around 23 dBf. I'm not sure what they have done, but there is less signal strength. I feel that their signal was too strong previously and they were exceeding their coverage area. Also since WMGK 102.9 increased their power it usually comes in at the Narrow setting on the Onkyo T9099 tuner even though WWFH 103.1 Freeiland is only about 7 miles from my location. (Bob, the last I saw from Bruce the 18th edition of FM Atlas was \$19.99 + \$2 S&H. His address is "FM Atlas, PO Box 336, Esko MN 55733-0336, USA". There's probably more information on his web site: <http://members.aol.com/fmatlas/home.html>.)

SOUTHERN FM DX

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

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

March 2000



Pat Dyer - WA5IYX
 5315 Silvertip Drive
 San Antonio, TX 78228-2744
pjdyer@swbell.net
<http://home.swbell.net/pjdyer/index.html>

Realistic TM-1001 tuner (2 IF mod w/150 kHz filters) into Allied 426, (loaned) Kenwood KRC-605 w/RDS, 52 ohm step-attenuator box used to reduce local intermod/overload when needed, 6 element Archer antenna at 20' with rotor, 1950's (tube) Narco Omnigator used for most of the navais.

Z1 Es

0948 WMPL 93.5 MI Hancock, area ad 1244
 0953 WAQE 97.7 WI Rice Lake, "Star 97.7" 1167
 0959 KKCB 105.1 MN Duluth, local ad 1245
 1003 KRJO 94.5 WI Eagle River, area ad 1257
 1004 WMZK 104.1 WI Merrill, "Z-104," area ad 1184
 1011 ERM 110.2 MN Fairmont, VOR, Morse tone ID 1004
 1013 WXPT 104.1 MN St. Louis Park, "The Point" 1108
 1017 KMXK 94.9 MN Cold Spring, "Oldies 94.9" 1124
 1021 KMFY 96.9 MN Grand Rapids, ID 1260
 1025 WRRK 96.9 PA Braddock, ID 1295
 1043 KLCI 106.1 MN Princeton, "The New Bob" 1132
 1049 WTBX 93.9 MN Hibbing, ID, "The Mix" 1273
 1132 WGLR 97.7 WI Lancaster, local ad 1021
 1138 WQPC 94.3 WI Prairie du Chien, area PSA 1025
 1148 KCOB 95.9 IA Newton, local PSA 902
 1156 KQWC 95.7 IA Webster City, area ad 935
 1159 KCMR 97.9 IA Mason City, ID 988
 1210 KSTP 94.5 MN St. Paul, "KS-95" 1118
 1221 KAML 96.9 WY Gillette, local ad 1092
 1223 KITT 93.5 MN Worthington, ID 985
 1236 WKTI 94.5 WI Milwaukee, "KTI" 1110
 1259 KJUS 91.5 UT Logan, ID 1141
 1309 KZHT 94.9 UT Provo, "ZHT" 1061
 1310 KBZN 97.9 UT Ogden, "The Breeze," smooth j 1089

1359 KILA 90.5 NV Las Vegas, ID 1052
 1402 KOMP 92.3 NV Las Vegas, ID 1079
 1413 KDB 93.7 CA Santa Barbara, cx 1281
 1415 KKB T 92.3 CA Los Angeles, "The Beat" 1187
 1417 KLAX 97.9 CA Long Beach, "LA-X," SS 1202
 1418 KLOS 95.5 CA Los Angeles, area ad 1187

Z4 Es

0948 WPTE 94.9 VA Virginia Beach, "The Point" 1385
 1001 WBBC 93.5 VA Blackstone, ID 1297
 1003 WRVQ 94.5 VA Richmond, "Q-94," rk 1340
 1005 WFLO 95.7 VA Farmville, ID 1282

1013 WXBQ 96.9 TN Bristol, area ad 1067
 1021 WKEZ 96.9 FL Tavernier, ID 1153
 1113 WWJLS 104.1 FL Big Pine Key, "US-1" 1108
 1116 WQAL 104.1 OH Cleveland, "Q-104" 1253
 1119 WARO 94.5 FL Naples, "The Arrow," RDS 1052
 1123 WLVE 93.9 FL Miami Beach, "Love 94," area ad 1149
 1123 WGMX 94.3 FL Marathon, area ads 1125
 1128 WZTA 94.9 FL Miami Beach, "Zeta" 1149
 1130 WTLG 105.7 IN Indianapolis, "TLC" 1006
 1132 WTRI 94.9 IL Mount Carmel, "Tri-95," rk 873
 1135 WXXR 94.5 OH Port Clinton, "XKR" 1194
 1136 WKHY 93.5 IN Lafayette, ID 1000
 1137 WSDM 97.7 IN Brazil, Lou Warren show 950
 1143 WKIS 99.9 FL Boca Raton, "Kiss 99" 1151
 1145 WZOM 105.7 OH Defiance, ID 1138
 1148 WSGM 103.1 FL Naples, ID 1057
 1150 WFMK 99.1 MI East Lansing, area ads 1202
 1152 WKXB 103.9 FL Cape Coral, area ad 1039
 1153 WEAT 104.3 FL West Palm Beach, local ad 1136
 1158 WCCL 97.7 FL Punta Rassa, area ad 1038
 1200 WWLL 105.7 FL Sebring, ID 1051
 1207 WWRM 94.9 FL Tampa, "Warm 94.9" 997
 1214 WHTQ 96.5 FL Orlando, ID 1059
 1221 WZBR 97.7 NC Kinston, area ads 1286
 1223 WJBT 92.7 FL Green Cove Springs, "The Beat" 1018
 1224 WPPT 94.5 FL Parker, area ad 802
 1226 WKQL 96.9 FL Jacksonville, "Cool 96.9" 1022
 1229 WZNY 105.7 GA Augusta, "Sunny 105.7" 1024
 1236 WVOH 93.5 GA Hazlehurst, ID 966
 1250 WCLA 107.3 GA Claxton, ID 1009
 1253 WMJJ 96.5 AL Birmingham, ID, "Magic 96" 741
 1256 WYSF 94.5 AL Birmingham, area ad 745
 1257 WHLZ 92.5 SC Manning, ID 1130
 1259 WLJA 93.5 GA Ellijay, ID 899
 1302 WDOO 96.5 TN Chattanooga, ID 869
 1304 WUUU 94.5 SC Greenville, ID 1017
 1306 WRSA 96.9 AL Decatur, ID 782
 1309 WPZM 93.3 TN Tullahoma, ID 810
 1328 WTTS 92.3 IN Bloomington, ID 986
 1331 WIKQ 94.9 TN Greeneville, ID 1029
 1337 WGIC 96.5 TN Cookeville, local ad 890
 1339 WCTT 107.3 KY Corbin, ID 983
 1348 WVAF 99.9 WV Charleston, "V-100" 1151
 1356 WLRW 94.5 IL Champaign, local ad, RDS 939
 1412 WWSW 94.5 PA Pittsburgh, "3WS" 1294
 1838 WUPS 98.5 MI Houghton Lake, ID 1274
 1841 CKDK 103.9 ON Woodstock, "Energy Radio" 1364
 1843 WTHI 99.9 IN Terre Haute, town ID 938
 1852 WCLR 95.7 OH Piqua, ID 1097
 1853 WKDD 96.5 OH Akron, town ID 1254
 1856 WFRO 99.1 OH Fremont, Mudhen-Rochester baseball 1194
 1902 WKUZ 95.9 IN Wabash, ID, "K-96" 1050

Z5 Es

0914 WMMQ 94.9 MI East Lansing, RDS 1198
 0923 WLQI 97.7 IN Rensselaer, ID 1022
 0938 WODJ 107.3 MI Greenville, ID 1188
 0940 WUPS 98.5 MI Houghton Lake, "UPS" 1274
 0942 WCEN 94.5 MI Mount Pleasant, area ad 1251

SOUTHERN FMDX

Dyer continued

0944 WYCA	92.3	IN	Hammond, rel 1044
0946 WKFR	103.3	MI	Battle Creek, "KFR" 1156
0948 WLAV	96.9	MI	Grand Rapids, "LAV" 1182
0952 WMRX	97.7	MI	Beaverton, WMPX 1490 ID 1261
0958 WBGE	92.3	IL	Peoria, ID 926
1626 WKRY	93.5	FL	Key West, "93.5 Key" 1090
7/6 Es			
0851 WZZR	92.7	FL	Stuart, "ZZR" 1122
0905 WTLT	93.5	FL	Naples, town ID 1054
0909 WINK	96.9	FL	Fort Myers, ID 1041
0913 WARO	94.5	FL	Naples, ID 1052
0919 WRMF	97.9	FL	Palm Beach, ID 1139
0920 WSRZ	107.9	FL	Coral Cove, "Oldies 108" 1000
0923 WBGG	105.9	FL	Fort Lauderdale, area ad 1151
0924 WCKT	107.1	FL	Lehigh Acres, "Kat Country" 1048
0931 WZTA	94.9	FL	Miami Beach, "Zeta" 1149
0931 WPOW	96.5	FL	Miami, "Power 96," area ad 1149
0938 WOLZ	95.3	FL	Fort Myers, area ad 1042
0948 WKIS	99.9	FL	Boca Raton, "Kiss Country" 1151
7/10 Tr			
1015 KODM	97.9	TX	Odessa, ID 267
1044 KMCM	96.9	TX	Odessa, "97 Gold" 284
1121 KNFM	92.3	TX	Midland, ID 285
7/15 Tr			
0507 KUEZ	99.3	TX	Lufkin, ID 265
7/26 Es			
1709 WNCI	97.9	OH	Columbus, ID 1142
1739 WCOL	92.3	OH	Columbus, ID 1141
1746 WCLR	95.7	OH	Piqua, ID 1097
1751 WQMX	94.9	OH	Medina, ID, k 1245
1813 WTTTS	92.3	IN	Bloomington, ID 986
9/27 Tr			
2130 WYCA	92.3	IN	Hammond, ID 1044
7/28 Tr			
1914 KNFM	92.3	TX	Midland, ID 285
7/30 Tr			
0012 KSMB	94.5	LA	Lafayette, RDS 387
1859 KMAI	105.1	TX	Seadrift, town ID 148


Some good Es events in the early part of the month, but things sure collapsed rapidly after that. RDS is catching a few IDs, but with the separate receiver it is only attempted when the signals are stable and strong. Sometimes the Clock and Program Type functions turn up rather discordant results for a given station! Once during this period one station (instead of an ID/slogan) was just giving the title of the current musical selection being played, while another had a cryptic "12345 Testing 54321" being displayed.

8/3 Es			
0940 WKSJ	94.9	AL	Mobile 659
0946 WVOH	93.5	GA	Hazelhurst, local ad 966
0953 WWUF	97.7	GA	Waycross, local ad 982
0959 WSKX	92.3	GA	Hinesville, ID 1034
1006 WKQL	96.9	FL	Jacksonville, "Cool 96.9" 1022
Tr			
1012 KAGG	96.1	TX	Madisonville, "Aggie 96" 174
Es			
1020 WMTM	93.9	GA	Moultrie, area ad 892
1035 WBYZ	94.5	GA	Baxley, state ID, k 972
1206 KAML	96.9	WY	Gillette, ID 1092

MARCH 2000

8/9 Tr			
0749 KSMB	94.5	LA	Lafayette, ID 387
8/12 Es			
1607 ?????	93.5	VC	Jalapa, town ID 1160
Tr			
2229 KSMB	94.5	LA	Lafayette, ID 387
8/14 Es			
2025 KMGW	94.5	WY	Casper, "Star 94," RDS 1012
2042 KMHK	95.5	MT	Hardin, RDS 1238
2045 KAML	96.9	WY	Gillette, local ad 1092
2050 KYTI	96.5	WY	Sheridan, "The Coyote," local ad 1145
2053 KIGN	97.9	WY	Cheyenne, "King FM," local wx 881
2053 KZWW	94.9	WY	Sheridan, ID, "Z-94" 1153
2101 KWYY	95.5	WY	Casper, ID 1012
2125 KZJH	95.3	WY	Jackson, "KZ-95," local ads 1176

A few good Es events for the month, but otherwise the 3rd below par summer Es season in a row here. The new 96.1 catch came when the local had an outage. The 95.3 WY managed to trounce the local translator for an extended time on August 14. Too much in-state tropo to have any luck with RDS during the Perseid meteor shower. 73, Pat - WASIYX

 Alexeis Marrero Cruz
c/Máximo Gómez #47
San Andrés, Holguin, Cuba 84200
EST

Sanyo CMKS-356HB w/antenna amplifiers, yagi dipole.

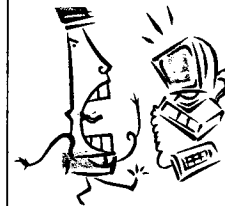
11/28 Es			
1600 YSPX	88.5	ES	San Salvador, "R. Pax," rel, SS
1610 YSHQ	90.5	ES	San Salvador, "R. Progreso," SS
1615 ?????	88.9	Es	San Salvador, "R. 90.5 FM, Que Buena"
1623 YSTA	89.7	ES	San Salvador, "R. Clasica 89.7"
Tr			
1626 ?????	89.1	CU	Holguin, "R. Taino," tourism str
1630 CMKG	94.5	CU	Las Tunas, "R. Victoria"
1633 CMKX	95.3	CU	Gramma, "R. Bayamo"
1635 ?????	93.3	CU	Habana, "R. Taino"
1639 CMKO	97.9	CU	Holguin, "Stereo Holguin 97.9 FM," tropical mx
1645 2???	98.1	CU	Matanzas, "R. Taino Varadero"
1648 CMBC	98.5	CU	Habana, "R. Progreso"
1655 ?????	96.7	CU	Habana, "R. Rebelde"
1700 ?????	106.1	JA	Kingston, "Power 106 FM"
1705 ?????	98.1	CU	Ciego de Avila, "R. Surco"
1710 CMKC	101.4	CU	Santiago de Cuba, "R. Revolucion"
1713 ?????	102.7	CU	Holguin, "R. Rebelde"
1716 CMKW	92.5	CU	Santiago, "R. Mambi"
1721 ?????	101.9	CU	Habana, "Habana Radio"
1726 ?????	101.3	CU	Santiago, "R. Taino"
1730 CMBJ	101.5	CU	Habana, "R. Reloj"
12/3 Tr			
0801 ?????	89.1	CU	Holguin, "R. Taino Holguin," ads in EE and SS

SOUTHERN FMDX

0806 ?????	91.5	JA	Kingston, "R. 2," reggae
0817 ?????	92.7	JA	Kingston, "Feim FM 92.7," disco
0822 CMKW	93.8	CU	Santiago, "R. Mambi"
0827 RJR	94.1	JA	Montego Bay, "RJR FM," t
0830 CMKG	94.5	CU	Las Tunas, "R. Victoria," t
0832 CMKX	95.3	CU	Gramma, "R. Bayamo," salsa
0834 CMKO	97.9	CU	Holguin, "R. Angulo" sx
0837 CMBC	98.5	CU	Habana
0840 CMKC	101.4	CU	Santiago, "R. Revolucion," mambo
0845 ?????	101.7	JA	??, rel
0850 ?????	102.9	CU	Holguin, "R. Rebelde Holguin"
0855 ?????	106.1	JA	Kingston, "Power 106 FM"
12/4 Tr			
0718 ?????	89.1	CU	Holguin, "R. Taino Holguin"
0720 ?????	91.5	JA	Kingston, "R. 2"
0725 ?????	91.7	JA	Montego Bay
0727 ?????	92.7	JA	Kingston, "Feim FM 92.7," s
0740 ?????	93.3	CU	Habana, "R. Taino Habana," //89.1 & 98.1
0743 CMKW	93.8	CU	Santiago, nx
0745 RJR	94.1	JA	Kingston, "RJR FM 94.1"
0750 CMKG	94.5	CU	Las Tunas, "R. Victoria"
0752 CMKX	95.3	CU	Gramma, "R. Bayamo"
0757 ?????	96.7	CU	Habana, "R. Rebelde Habana"
0801 CMKO	97.9	CU	Holguin, "R. Angulo," EE
0804 ?????	98.1	CU	Ciego de Avila, "R. Surco"
0807 CMBC	98.5	CU	Habana, "R. Progreso"
0814 ?????	98.1	CU	Matanzas, "R. Taino Varadero"
0820 ?????	100.3	JA	Spanish Town, "R. 2," reggae
0823 CMKC	101.4	CU	Santiago, "R. Revolucion"
0838 ?????	101.5	CU	Habana, "R. Reloj"
0845 ?????	101.7	JA	Spanish Town, "R. Sigma FM," rel

MARCH 2000

0858 ?????	101.9	CU	Habana, history of KKK
0912 ?????	102.9	CU	Holguin, "R. Rebelde Holguin"
0917 ?????	105.5	JA	Kingston, "Auri FM," //106.7
0923 ?????	106.1	JA	Kingston, "Power 106 FM, Jamaica's #1 contemporary station
0928 ?????	106.7	JA	Montego Bay, "Auri FM," //105.5



From the Editor

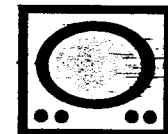
Time to start getting ready for springtime DX! If you have internet access be sure to sign up for the WTFDA newsgroup so you'll have instant info about openings in progress. And join us Tuesday and Friday evenings on the WTFDA chat channel on IRC. See y'all next month!



FM DX Web

Your resource for FM DXing

<http://members.aol.com/fmdxweb>



QSL CORNER/LOGOS



Send by mail at:

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

E-Mail at:

KA3TCC@EROLS.
COM

QSL Report from Bruce Elving:

CICY 105.5 Selkirk-Winnipeg MB. I had to phone them, FAX them twice, and finally had Shawn Axelrod of Winnipeg, contact them to educate them about what a verification is. The letter that came is very inspecific from NCI (Native Communications Inc.), 76 Severn Cr., Thompson MB R8M 1M6. Tracy Robertson signed the letter for Ron Nadeau, chairman and CEO. It says "I am glad that you enjoy our programming." Included two tote(bingo) bags and information sheets on the NCI stations. Much of their info varies from what the "FM Atlas" and Industry Canada shows. For example, it gives their originating station, CICY Thompson as 96.9, while I show it as 96.3. Their literature gives no call letters for any of the stations. As ever, Bruce Elving, DXing from 241 Anderson Road, Esko MN 55733-9413.

DIGITAL TELEVISION IN THE U.K.

Satellite and Terrestrial Digital Television in the UK are broadcast using two different forms of signal modulation. Satellite is QPSK (Quadrature Phase Shift Keying) and Terrestrial is COFDM (Coded Orthogonal Frequency Division Multiplex). Although the systems of modulation are different the basic principle behind how the pictures and sounds are carried is broadly the same.

The following abbreviations are commonly used when referring to Digital Television.

DTV : Digital Television
DSat : Digital Satellite Television
DTTV : Digital Terrestrial Television (sometimes referred to as 'through the aerial')
STB : Set Top Box
MPEG : Motion Picture Experts Group (who developed the compression/coding standard)
DVD : Digital Versatile Disc or sometimes Digital Video Disc

'Set Top Boxes'

The term 'Set Top Box' (or 'STB') is commonly applied to the converter unit required to enable reception of digital signals on a conventional analogue television set. The term 'Set Top Box' was invented to try and make the concept simple (and usually leads to the question, 'does it need to go on top of the set?', which of course it doesn't!). The term is more commonly used with Digital Terrestrial Television (DTTV) rather than Digital Satellite (DSat), where the word 'receiver' is more commonly used. The crucial thing about the STB or DSat receiver is that they are a device that converts digital signals to analogue signals, *one channel at a time*. Therefore in order to watch one channel, eg BBC1, and record another, eg BBC Choice, you would need two STBs, one for the television and another for the video recorder.

Integrated Receiver

An Integrated Receiver is a television set or a video recorder that has the STB built into it. Therefore if you own an Integrated television set and an Integrated video recorder it would be possible to record BBC Choice while watching BBC1, unlike the example above with separate STBs. Integrated receivers are therefore the future method of receiving Digital Television. Integrated Digital Terrestrial television sets are becoming available and Integrated Terrestrial video recorders are expected to follow, perhaps in late 1999. At the time of writing it is not known when Integrated Digital Satellite equipment will be available, although a working model has been seen by us at a trade show.

MPEG Coding

This is the most important part of the system, without which it would have been impractical to have launched a digital service at all. This is a system of compression which enables the broadcaster to fit four or more picture channels into the space occupied by one analogue channel. The fundamental principle is that only the changing portions of a picture are transmitted. A part which remains static or unchanged is simply repeated in the receiver and not re-transmitted. Coupled to this is a predictive system which anticipates movement. Take the example of an aeroplane moving against a fixed sky: The sky is largely unchanging and aeroplane only changes slightly in perspective as it moves. Therefore it is mostly an unchanging, but predictable, moving object and can be greatly simplified in transmission.

Sound System

The sound broadcast on DTV is two-channel stereo, of similar high quality to NICAM sound. The coding systems are different, but the results are very similar. The BBC is using 256 kbit/s which is 100% compatible with Dolby Pro-Logic and other similar surround systems relying on phase modulation for the rear channel information. Digital surround sound systems such as Dolby Digital or AC-3 are not in use, nor are likely to be, as the bit rate requirements of these would require the loss of a picture channel per multiplex.

Encryption

The satellite service from the BBC is encrypted, using Videoguard, which is the same system as BSKyB to ensure equipment compatibility. Encryption has to be employed by the BBC DSat broadcasts for copyright reasons, as the service area of a satellite is anywhere that is covered by the footprint, not just the country for which the programmes are intended. The BBC's DTTV

broadcasts do not need to be encrypted as any spill-over into adjacent countries are disregarded, being small in population terms. Some commercial DTTV channels are encrypted, requiring a viewing card as they are funded by subscription. Other commercial DTTV channels are fully funded by advertising.

What Happens if DTV goes wrong?

If the signal fails to be received and decoded properly the most likely result is no picture and no sound at all. A small area, in between a good picture and no picture, does exist and is indicated by a square 'blocking' effect or whole or partial freeze frames. Problems such as a weak signal or interference will not be identifiable by the effect on the picture, which is unlike the case with analogue television.

The Multiplex

This is an assembly of picture channels, associated sound and information services carried within the space that one analogue channel would take up. The BBC is fitting four picture channels with stereo sound and an information service on to its Terrestrial multiplexes, and five picture channels with stereo sound and a text information service onto each of its Digital Satellite multiplexes.

DVD

Originally, Digital Versatile Disc, sometimes referred to a Digital Video Disc. The DVD format can be used for computer, audio and video disc and therefore the term 'DVD Video' is also used. The video version offers improved picture quality compared to VHS videotape but it not yet possible to buy a DVD player in this country with recording facilities. DVD also can carry subtitles in up to six languages.

Other Jargon

'Free to air', 'Non Pay TV', 'Non Subscription TV'

All these terms have the same meaning although the first expression is falling out of use with respect to BBC services due to alternative interpretations being placed upon it. Services thus described are available to the viewer who has the correct receiver incorporating the right decoder, without any further charge. In the case of BBC DSat there is a requirement to have a decoder card but this is provided free for UK BBC viewers and unavailable elsewhere for copyright reasons.

'Conditional Access Module' (or CAM), 'Decoder Module'

All these mean the same. These are separate decoders or 'de-encryption devices' designed for digital receivers that do not have them built in. Since at the time of writing such devices do not exist for the UK systems, and are very unlikely to ever exist for satellite, any receiver requiring one is unlikely to be compatible with the UK systems. The DSat receivers sold for reception of BBC and BSKyB services all have the decoder built into the same box.

Bit error rate

A measure of the 'goodness' of the signal. Up to a certain error rate, perfect pictures can be received due to the error-correction algorithms built into digital television, both satellite and terrestrial. It is anticipated that most receivers will have the capability of measuring the level of received errors as a diagnostic aid. However access to this may, at the manufacturers' discretion be via a service technicians menu not normally available to the user.

Carrier to Noise

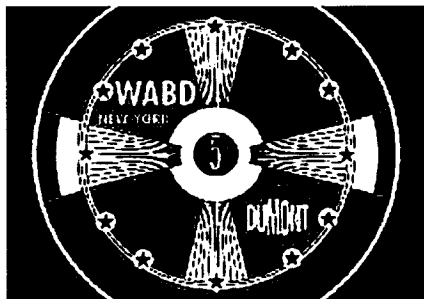
Another measure of the 'goodness' of the signal. The ratio by which the signal is higher than the noise.

In principle the minimum ratio for typical receivers was expected to be around 19 dB. At this level the bit error rate should be satisfactory and perfect pictures should result. The absolute minimum input signal to the receiver was expected to be around 34 dB μ V. However early practical experience has shown a carrier to noise of around 26 dB to be a desirable minimum, along with a correspondingly higher input signal level.

--courtesy BBC Information Service



THIS MONTH... MORE OF THE CHARLES BURNHAM TEST PATTERN COLLECTION.....



WABD on channel 5 in New York might surprise you. It was the flagship station of the DuMont Network. Most DuMont owned stations used circular tp's similar to this.



Before WATV (Newark, NJ) began operation, it was unsure whether a signal could successfully be transmitted and received on frequencies as high as those used for television channel 13. It worked!

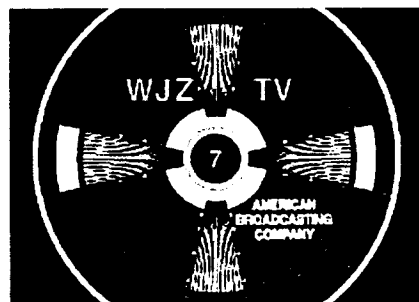
34



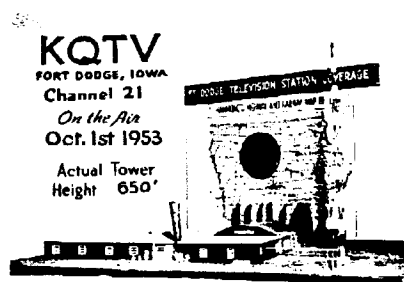
Newspaper ownership was a common trait in tv's early stages WBAL-tv (11) in Baltimore was affiliated with the News Post.



A few engineers opted to run patterns with almost no white, but a lot of black and grey. You can be sure that when folks were seeing this, there was no plan to become WWOR, or to change the city of license to Newark, NJ.



Quick...where is this station? Baltimore? Sorry! Before becoming WABC-tv, channel 7 in New York City sported the 3-letter call...WJZ! The switch to Baltimore moved the letters to ABC's o&o on channel 13.



vhf-uhf Digest back issues

The following back issues are still available.

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February 1991	4
March 1991	4
April 1991	3
May 1991	3
June 1991	4
July 1991	4
August 1991	2
December 1991	4
January 1995	5
February 1995	8
March 1995	6
April 1995	9
May 1995	8
June 1995	9
July 1995	9
August 1995	1
September 1995	9
October 1995	9
November 1995	4
December 1995	9
January 1996	9
February 1996	2
March 1996	9
April 1996	9
May 1996	9
June 1996	8
July 1996	9
August 1996	9
September 1996	9
October 1996	9
November 1996	9
December 1996	9
January 1997	8
February 1997	9
March 1997	9
April 1997	9
May 1997	9
June 1997	9
July 1997	9
August 1997	9
September 1997	9
October 1997	9
November 1997	8
December 1997	8
January 1998	44
February 1998	40
March 1998	34
April 1998	47
May 1998	25
June 1998	45
July 1998	54
August 1998	55
September 1998	66
October 1998	57
November 1998	75
December 1998	74
January 1999	46
February 1999	47
March 1999	51
April 1999	84
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