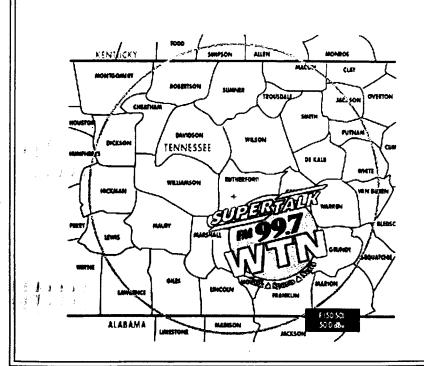
Official Publication of the Worldwide TV-FM DX Association **MAY 2000**

IME FOR

ORDER YOUR NEW WTFDA TV STATION THE PRESS! **GUIDE--FRESH OFF** GUESS THE DATE OF THE FIRST MAJOR SKIP OPENING AND WIN ONE!





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

OPINIONS EXPRESSED IN THIS PUBLICATION ARE THOSE OF THE INDIVIDUAL CONTRIBUTOR AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE PUBLISHER OR BOARD OF DIRECTORS. WE RESERVE THE RIGHT TO EDIT MATERIAL TO MEET PUBLISHING STANDARDS. UNLESS PREVIOUSLY ACREED UPON IN WAITING, ALL MATERIAL SUBMITTED FOR PUBLICATION IN THE WAF—UPF DIGEST RECOMES THE PROPERTY OF N.T.F.D.A.

REPRODUCTION OF MATERIAL FROM THE WIF-LIFE DIGEST WITHOUT PERMISSION OF W.T.F.D.A. IS PROHIBITED. INDIVIDUALS AND OTHER ORGANIZATIONS ARE GRAVIED SUCH PERMISSION PROVIDING PROPER CREDIT IS GIVEN TO THE SOURCE.

ANNUAL DUES: U.S. funds) (payable in \$24/year: U.S. addresses \$26/year* to Canada \$38/year* for airmail service to all other countries. (*Payable in U.S. funds)

TO Z



class mai

11/2000 BILL NOLLMAN 11 HIDDEN OAK DR FARMINGTON CT 06032

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. WITDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON,

Editor/Publisher: Bill Thompson
Circulation: Mike Bugaj Comptroller: Dave Janowiak

Editorial Staff: Tom Bryant, Greg Coniglio, Victor Frank, George W. Jensen, Jeff Kruszka, Fred Nordquist, Matt Sittel, Doug Smith, Thomas J. Yingling, Jr., John Zondlo

ANARC Representative: Jim Thomas Back Issues: Dave Nieman
Original Cover Design: Harry Hayes

FROM THE STRFF:

NFMDX TEMPORARILY DISCONTINUED: As a result of no one volunteering to replace Greg Coniglio as editor of "Northern FM DX" the column has been temporarily suspended. NFMDX is one of the more widely read VUD columns and it is regrettable that even with adequate notice, it continues to be minus an editor. Your help is needed NOW. Contact Greg or any other member of the Board of Directors to get this important column back in print.

NEW LIMITED "ASSOCIATE MEMBERSHIPS" AVAILABLE: Your Board of Directors has chosen to act in several areas which will create changes in the club's membership structure. Right off the top, it's important for you to realize that if you are currently a WTFDA member, this change will not change your status in any manner. You are already getting the VUD and enjoying the other privileges of WTFDA membership which will be mentioned later. The new "Associate Membership" category is a less costly way to utilize *one* WTFDA resource at a reduced cost.

To make this possible, we have officially endorsed the WTFDA Topica e-mail/web forum initially set up by Mike Bugaj. Until now, the mail 'reflector' had been an *unofficial* club adjunct.

With an eye to the future (which, in case you hadn't noticed, is already here) the Board has acted to include FREE access to the Topica service as a part of every full membership. Full WTFDA membership also entitles our members to receive the monthly "VHF-UHF Digest", to edit features and columns, to vote on club matters when necessary, and now free enrollment in the Topica forum.

One of the greatest benefits of Topica is an almost instant method for posting notices of skip openings. Of course it's also an appropriate venue for technical discussion and commenting on other TV and FM related topics. It is informally monitored, and content may be controlled. Offensive conduct is not allowed. Even full club members may lose their access if they don't behave. That hasn't happened yet and we hope it never does...after all, we are adults.

While there are nearly 100 people already using the Topica WTFDA Forum, not all of them are club members. As of May 1, all Topica users who are not WTFDA members were given 31 days to make one of three choices.

- 1. Join and get all WTFDA benefits for the regular membership fee.
- 2. Continue to participate in the Topica forum...but only after becoming an "Associate Member and paying \$10 per year for access.
- 3. Fail to join as either a full member or an associate member, and be denied access to the Topica forum.

Associate members will not be allowed to hold office, vote on club matters, or edit features or columns.

All visitors to the Topica forum will urged to join WTFDA. They will receive a sample VUD, an explanation of the membership options, and 60 days of 'guest' access to the Topica service. Hopefully they will chose to remain with us.

The vast majority of the content of the VUD will remain confined to the print version and will not be published in Topica or elsewhere on the web.

The bottom line is that nothing changes for current full members. The door is open for newcomers at a less expensive rate but without the benefits of full membership.

(NOTE: The \$15 per year full membership rate remains an option for full time students who provide proof of eligibility.)

Why did we choose this course? Quite simply because the Topica forum is a valuable asset.

We did not believe that it was fair for non-members to derive the benefits of participation without making some kind of contribution to the WTFDA.

While we are aware that the creation of the associate membership category opens a loophole that some who are currently full members may find attractive, it was generally agreed that we would probably have suffered defections sooner or later, and far better that they remain associated with WTFDA even if in a restricted manner as an associate member. On the other hand, we are hopeful that those who discover WTFDA via Topica will enjoy our company, like the sample VUD, and chose to join us as full fledged members.

As quickly as things are changing not only in our hobby, but in the entire field of communication and technology, your Board of Directors believes that this move places us in a better position to keep pace with current services of use to our members, and to move forward with changes as they occur. We hope that you, as members, concur.

CONVENTIONS: WTFDA's annual meet August 11-13 will be hosted by Peter George at The Whiteface Chalet near Lake Placid, NY. Get details: http://welcome.to/lakeplacid2000. Prices listed are a package rate for the weekend. We urge you to make room reservations early. The NRC (National Radio Club) will meet Labor Day weekend in Lima, OH; Fred Vobbe 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. For more information about the radio gtgs, or if 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.



WTFDA MAILBOX

P.O. Box 501 Somersville, CT 06072

Mike Bugaj

Ikon@netcom.com

AURORA!

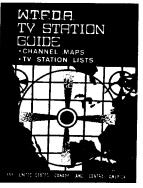
There was not very much to talk about in the way of DX for April except for a few lucky people who stumbled upon some exceptionally strong Aurora conditions on April 6th. TV channels 2-6 were mostly a garbled mess, but some FM IDs were made by digging through the very poor audio. Some of our ham friends made some good contacts via aurora that afternoon and evening.



Let's pull some mail out of the mailbox and see what's in there. Well, would you believe, we have some new WTFDA members. Welcome to Paul Crego in Lockport, NY (Paul is also on the WTFDA email list), Wolfgang Schneiter from Canoga Park, Calif (I think I spelled his last name correctly this time, I hope), H.E Sparks from Odessa, Texas (H.E...are you the Ed Sparks from Odessa, TX mentioned in Bob Cooper's 1956 P.E Article on DXing as one of the AIPA's top TV DXers??), Luis Franceschi from Ponce, PR (who is our

first WTFDA member from Puerto Rico as far as I know), Joe Kureth in Uniontown, MD (who was a member years ago and tries to DX FM down there) and Ben Cox from Osceola, IA (otherwise known as K1A0CZ). Thank you all for joining North America's only TV and FM DX club and I hope you enjoy it here! And in the mailbox we find a stack of renewals from Carlon Howington(FL), Scott Steenhusen(KS), Allan Dunn(MA), Joseph Smith(NY), Pete Taylor(WA), Bill Dvorak(WI), Frank Drobny(CA), Pat Dyer(TX), Rich Wertman(NY), Dan Oetting(MD), Bill Draeb(WI), Rich Steinberger(MA), Gerard Hart(NY), Thomas Leu(OH) and Bill Higgs(CA). Also, Mike Condon is back after a few month's absence, and so is Dennis Elya. We missed you guys!

Email from Robert Ross: "I received my WTFDA TV Station Guide yesterday...it looks great! Will be a helpful aid in the upcoming DX season!! My thanks to those who helped make it possible!! Just like the Old Days back in the 70s when I started!! Sure missed that old Guide!" I know how you feel Bob. Many of us missed it. From a letter from Joe Kureth: "...the WTFDA TV Logbook is professionally done and very comprehensive. And it confirmed a few unidentifieds logged last summer." I'll drink to that. From David Cox: "Please put me down for 2 TV Station Guides. I'm getting old, I guess...I want one for upstairs and one for downstairs." Since I'm getting old, too, why didn't I think of that myself? And on a post-it note from Dan Oetting: "Hey guys, Just wanted to say that I've been in the club for 19 years and you are doing a great job. Really enjoy the VUD. Also like the new



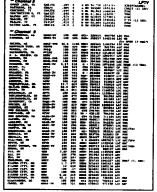
WTFDA@topica.com (list)." So do I, but then I'm more biased toward it than most people. And this leads me to something I should mention. Since the list was started back in September, a handful of people had to un-subscribe because they were just flooded with email. Well, I found a solution for them. If you want to subscribe to the list but want to keep a lid on your email, here is what you do. Send a blank email to wtfpa.subscribe-digest@topica.com and you will receive one email a day from the list with all the postings on them. Just one puny email. And if you should decide that you want almost real-time messages during the summer months, just re-subscribe to individual messages with: wtfpa.subscribe-messages@topica.com. You can switch back and forth at will enever you want. Cool or what?



Front Page of the Station Guide

Well, since everyone just saw the front cover of the old, red TV Station Guide from times gone by, this would be a fitting time to give you all a glimpse of the cover of the *new*, 2000 edition of the WTFDA Guide. This cover page was done for us by Harry Hayes, and the thought never occurred to us to actually print it in the VUD! What WERE we thinking? In the picture

to your right, you will see how the listings are set up. Running off the database was probably one of the hardest parts of this project, and the credit for this goes to Doug Smith, because without this info the Guide would not be possible. This



What would you like to know today?

guide has an extraordinary amount of info included, some of which I am still trying to decipher. Full power stations are in bolder print and LPTV are in lighter print. Not only does it list the stations' power, antenna height, etc., but the listing also tells you what time the chief engineer takes his morning coffee break and what fast food joints they like to eat at. Just kidding, but it's almost that detailed. There is more information at your

fingertips than you will ever need to have in this or any other lifetime.



Here is the Channel 3 channel map.

Look to your left and you will see one of the TV Guide's channel maps. Now that I think about it, the maps were hardest things to put together. Doug was able to get the United States map from a government site on the internet, but the Canadian map and the portion of the Mexican map we show were difficult. With the help of Greg Coniglio, Greg and Doug managed to lay the Canadian and Mexican portions over the US map. The fit was perfect.

I hope you enjoyed your little tour through the WTFDA TV Station Guide. Almost everyone who ordered one, ordered it sight unseen, except for a few folks who might have seen the channel ten map over at my website. I think that everybody should have a chance to see what the club has put together, even if you don't do any TV Dxing at all. Jim Thomas did a great job publicizing the book and getting it printed at a good price. John Ebeling took care of the mailing of the guide. And I just played a minor part in all this. I just took your money!

LAST BUT NOT YEAST...Bruce Elving writing an article for Radio World about that TV station up in Alaska that wants to be a radio station by running audio and no video on 87.75...the only person in North America receiving any decent tropo is Fernando down in Monterrey...F2 takes a dive in late March and April...if the past is any indication, get your receivers/tv/antennas in good shape because E Skip should arrive sometime in May, first in the Southern states and then working northward. I hope you have enjoyed this month's Mailbox. It's a little bit different this time and the print is one point larger and my toner cartridge is brand new. See you all next month. Write! -Mike

GEORGE W JENSEN 4694 ANNTANA AVE BALTIMORE MD 21206-4220

A lot to report this month. The article in the March 2000 VUD was interesting and informative in describing digital television in the UK. There are many similarities in the US with the rapid growth of compressed video transmissions on domestic US C and Ku band satellites. The MPEG coding system is alive and well and growing and services in this format will be mentioned more and more in future columns. Obviously, the Digicipher 2 system is something like the limousine service of MPEG here in the US and Canada, but there are other systems - Digicipher 1, Wepener, Nagravision Forer-Vu and Many others. All of these are encryption systems like the Video-Cypher 2, we have been most familiar with on US analogue transmissions also Video-cyoher 1, Leitch, Oak-Orion, etc. Receivers are available that receive only those signals that are "free-to-all" and others may have a slot for a "smart card" to receive certain encrypted signals - even if sent out for no subscription fee - as some are. If this sounds complicated - it is. But it IS a much cheaper means of transmission and is being used by many foreign countries to beam their transmissions to other parts of the world. Try to imagine shortwave radio, but television instead. No static, fading, etc. Many foreign countries are doing this NOW. More later. NOW to this months changes. Satcom 1 delete - 3 - KRMA - PBS Denver - has been seen on XPDR 9 in the clear. also delete NBC feeds from XPDR 8 - now compressed video - elsewhere Satcom 4 5 - add History Channel - West Satcom 3 760 - delete Knowlegde TV - ADD Discovery health GALAXY 9 - has now been positioned at 127 West -XPDR 2 - Gospel Music Television - VC2 3 - NHK New York feeds to Tokyo Telstar 7 -MPEG-Lifetime Movies Network A & E Biography 2 D T V History Channel International Do-It-Yourself Independent Film Channel CNBC 2 Much Music Galaxy 5 21 - delete Knowledge TV and add Discovery health Galaxy 10 16 - M 223 - A & E - West 24 - Outdoor Channel 849 - delete DMX Hit Sweep - Add - Holiday and Happiness rest of G10 - remains as it was with G9 Satmex 5 16 - digital 18 - digital ADD 794 - 819 - Digicipher 2 channels - most subscription only. 798 - Cinema Platino 804 - Movie World test patterns/color bars on many others SBS 5 - delete entire satellite - replaced by Galaxy 10 from this - delete WMNB - Russian American television now in MPEG on what was Galaxy 6 Continued new listings on ANIK E2 Ku-Band services

385, 386 - 387 - NBC, CBS, ABC - Buffalo, New York stations 393 - unknown/// 700 - SRC French East, 701 - CNFT Montreal 710 - TVA Quebec, 711 - TVA Montreal, 712 - CFTM, Montreal, 713 - TVA, Hull, 720 - Canal Savoir. 721 - CFJP Montreal, 722 - TeleQuebec, 730 - Reseau de L'Informacion 740 - Meteo Media, 750 - Reseau de Sports, 751 - Tele St. Pierre and Miquelon (RFO), 752 - Canal Z, 753 Canal Evasion, 760 - Le Canal Nouvelles TVA, 761 - TV 5 Paris, 762 - MusiMax 764 - Canal Fiction, 765 - Canal Historie, 770 - Canal Famile 771 - Tuletoon Quebec, 772 - Canal Vie, 773 - Canal D, 774 0 TV Français Ontario, 775 - Musique Plus, 780-782 - Super Ecran 1,2 and 3, 800 - Telelatino, 801 - Chinese, 802 -Asian TV Network, 803 - Odyssey canada, 830 - Korean radio, 831 - Apna Sangeet radio, 832 - Sur Sagar, 833 - Sur Sagar radio West, 850, 851 - Voice Print, 852 - CIUT, 853 - CHIN, 854 -CKUA, 855 - KDRK, 856 - KEZE, 857 - kisc, 858 - KMBI, 859 -KPBX/KFSC, 860 - KXLY, 861 - KZZU - Basically 830 through 861 are radio stations. DMX Music Channels are from 901 through 930 --- Galaxie Music Channels are from 941 through 970, 979 - 984 planned,, 985 - 990 - planned west, 991 - The Peoples network, 993 -TVO Virtual Classroom, 996 - Star Choice Dealer network, 997 and 998 - planned.

GE Americom 4 add - XPDR 17 - WSVN - Ch 7 - Miami Florida Fox - VC2 NEWSATELLITE ----Galaxy 11 - C and Ku-Band Galaxy 6 services have (for the most part) transferred to this satellite. On the Ku-Band - TCI Cable's headEnd In The Sky currently on Galaxy / - Ku-Band is now also found here.

Galaxy 3 TVN Theaters 3,4, 5 and 6 are now infomercials for the most part 9 - Spice - will terminate shortly - if not by the time you read this.

Galaxy 7 delete all The Box feeds - 755 is now VHi Uno and 756 MTV En Espanol
757 - Canal 9 Internacional is now ID'd as TV Rio de la Plata
which is a commercial station in Buenos Aires

Panamsat 5
711 - La Superstation and many M P E G feeds which will be listed next time - I hope.....
That's all for this month - see you in 30....'73's

CHANNEY 500

EDITOR: GREG CONIGLIO 90 SLATE CREEK DRIVE APT. #3 CHEEKTOWAGA, NEW YORK 14227

E-MAIL: coniglio@localnet.com WEB: http://www.geocities.com/~wgrc

Most of the information appearing in this column is courtesy of:

M STREET JOURNAL – 54 MUSIC SQUARE EAST SUITE 201 – NASHVILLE, TENN. 37203 PHONE: (609) 883-3321. FAX: (609) 883-5696, E-MAIL: MstreetTom@sol.com

GX: granted replacement of expired permit for increase, "<" for

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

LC: license to cover filed (means station is ready to QC: frequency change 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)

decrease, when known) occurred

QG: frequency change granted RA: silent station returns to

RE: station requests extension 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:

Brundidge:WTBF 94.7 FC to 45+ soft AC (&) Holly Pond: WFMH 95.5 PC> 6 kW Monroeville: WMFC 99.3 FC to oldies (&) Moulton: WEUP 103.1 CC (ex WXKI) Muscle Shoals: WVNA 105.5 CC (ex WLAY) Oneonta: WKLD 97.7 PG< 3.7 kW, 367, XG: 33-56-48 / 86-29-06

Repton: WFNU 101.1 CC (ex WYNI) Tuscumbia: WLAY 100.3 CC (ex WVNA)

ALASKA:

Kasilof: KWJG 91.5 PC> 1 kW Ketchikan: KGTW 106.7 adds JRN country (&)

ARIZONA:

Benson: KAVV 97.7 PC> 6 kW, 148 ft, XC: 31-59-29 / 110-10-21

Wickenburg: KSSL 105.3 FC to Spanish CHR "Que Buena" (Phoenix), CC (ex KMYL), adds **Humberto Luna from KLYY Los Angeles**



ARKANSAS:

Cherokee Village: KFCM 98.3 QC from 100.9, FC to oldies, PC> 25 kW, 305 ft Dermott: KRKD 105.7 NW, classic rock El Dorado: KXZX 96.1 CC (ex KBYB), FC to hot AC "96-X" El Dorado: K209DT89.7 38w, WJFM-OH Lakeview: KKTZ 93.5 FC to JRN AC (&) Mountain Home: KPFM 105.5 adds JRN country (&) Moutain Home: KOMT 107.5 PC< 90 kW, 1017 ft XG: 36-29-13 / 92-29-39 KHOM 100.9 QC from 95.9, FC to ABC Real Country (&), PC> 5 kW, 492 ft, XC: 36-35-38 / 91-40-03 W.Helena: KJIW 94.5 PC< 14 kW, 413', XC: 34-

CALIFORNIA:

31-28 / 90-35-47

Baker: *NS 94.9 1 kW, 1309 ft, DA Chowchilla: KSKD 93.3 FC to Spanish (Merced) Columbia: KTDZ 98.9 CC (ex KTDO) "Z Spanish" Dorris: K212FF 90.3 NS-10w(DA): KVIP 98.1 E.Porterville: KMQA 100.5 PC< 2.1 kW. 1109 ft. XC: 35-56-45 / 118-53-10

Goleta: KKSB 106.3 FC to CHR "Kiss 106.3" Humon: *NS 98.3 4 kW, 328 ft. Indio: KCRI 89.3 CC (ex KCRY) Kernville: K216EW 91.1 NS-10w: KAWZ-ID Kings Bch: KSRN 107.7 CC (ex KHWG), FC to adult standards (Reno) Lake Elsinore: K204DY 88.7 NS-10w(v): KAWZ-ID Lenwood: *NS 96.9 1 kW, 797 ft.

Lenwood: KIXW 107.3 PC< 1 kW, 781 ft, XC; 34-58-15 / 117-02-22

Lenwood: KBTW 104.5 NW, re. Mexican // KXLM

FM NEWS PAGE 2

California: Los Angeles: KMZT 105.1 CC (ex KKGO) "K-Mozart"

Mojave: KCRY 88.1 CC (ex KCRI) Orcutt: KPAT 95.7 FC to rhythmic oldies "Mega" (Santa Maria)

Oroville: KHHZ 97.7 CC (ex KZCO) "Z-Spanish" Palm Springs: KYOR-1 106.9 NS-500w(v) Pasadena: KPCC 89.3 FC to news and information (operating with Minnesota Public Radio)

Salinas: KHMZ 97.9 CC (ex KLXM) San Jose: KUFX 98.5 PG< 10 kW

San Mateo: KSAN 107.7 SG *107-7 The Bone. classic rock that really rocks"

San Rafael: KJQI 100.7 FC to MGS cont. Christian (&) (San Francisco)

Soledad: KLUE 106.3 FC to Spanish CHR // KLXM

South Lake Tahoe: KRLT 93.9 PC< 3 kW. -105 ft. Summit City: *** 92.1 XA to add class A KBDS 103.9 FC to romantica (Bakers.) Tipton: KCRZ 104.9 adds WW1 oldies (&)

COLORADO:

Colorado Sps: KRDO 95.1 PG< 65 kW, 2211 ft, XG: 38-44-45 / 104-51-38

Kremmling: KRKM 106.3 PC> 2350w, 1033 ft, class C3. XC: 40-00-18 / 106-26-57

Longmont: KCKK 104.3 PC> 91 kW, 676 ft, ND Montrose: KSTR 96.1 FC to CHR (Grand Jct)

CONNECTICUT:

New London: WKNL 100.9 CC (ex WTYD), FC to oldies "Kool" (&)

FLORIDA:

Apalachicola: WOYS 100.5 PG> 12 kW, 476', DA *** 95.1 PA: add class A Ebro: Edgewater: WKRO 93.1 FC to country "93 Country" (Daytona Beach)

Gifford: WAVW 94.7 PC< 22.5 kW, 354 ft Goulds: WRTO 98.3 FC to all salsa format Gulf Breeze: WRRX 106.1 CC (ex WZRO), NW, rock "Rock 106" (Pensacola)

Holems Bch: WLLD 98.7 XC: 27-50-32 / 82-48-52 Key West: WRLA 107.9 CC (ex WVMQ) Panama City: WQJM 100.1 CC (ex WPCF), FC to rhythmic oldies

Punta Rassa: WCCL 97.7 drops DA Sarasota: WKZM 104.3 FC to relig. // WKES St. Augustine: WFSJ 97.9 FC to talk // WTKS **Orlando**

St. Petersburg: WFJO 101.5 inc. to 1502', XG: 27-49-10 / 82-15-39

Tampa: WWRM 94.9 inc. to 1502', XG: 27-49-10 / 82-15-39

GEORGIA:

Athens: WBTS 95.5 PC< 99 kW, 968', DA. XC: 33-55-51 / 83-47-00 Athens: WMSL 88.9 PG> 20 kW Atlanta: WPCH 94.9 dec. to 888', class C1 Blue Ridge: WPPL 103.9 PC< 5.5 kW, 341', DA Bostwick: WMOQ 92.3 adds Real Country (&) Canton: WGST 105.7 PG< 16.5 kW, 827 ft, XG: 34-03-55 / 84-27-14 Cartersville: WCCV 91.7 PG> 7.3 kW, 935 ft, C2, XG: 34-09-34 / 85-02-13

Georgia:

Dublin: WAWH 88.3 LC WQMJ 100.1 FC to R&B oldies (&) Forsyth: Gainsville: W204BN 88.7 NS10w(v), KAWZ-ID Jasper: WNEE 88.3 PC> 200w, 46', DA Macon: WMKS 92.3 FC to rock

Pearson: WPNG 101.9 PG> 12.9 kW, 459 ft, C3. DA, XG: 31-19-36 / 82-51-54

IDAHO:

Boise: KARO 103.3 FC to CHR "Kiss" Bruneau: *** 102.5 XA to add class C1 Melba: 99.9 XA to add class C2 Twin Falls: KEFX 88.9 PG>100 kW (v), 991 ft, DA, class C, XC: 42-43-47 / 114-24-52

ILLINOIS:

Arlington Hts: WKIE 92.7 PC< 1.8 kW, 387 ft. XC: 42-08-14 / 87-58-57 Freeport: WFPS 92.1 PG> 3.6 kW, 423 ft. Hillsboro: WXAJ 99.7 LC

Peru: WLRZ 100.9 PC> 3 kW, 328 ft, XC: 41-18-09 / 89-14-11

Spring Valley: WAIV 103.3 FC to CHR // WSTQ, "Q 103.3", PC> 4.9 kW, 361', XC: 41-18-09 / 89-14-

Winnebago: WYHY 95.3 CC (ex WKMQ) classic hits "Y95"



INDIANA:

Fort Branch: WBGW 101.5 PC> 2.1 kW Franklin: WPZZ 95.9 PG< 1.4 kW, 482 Goshen: WZOW 97.7 FC to WW1 adult rock (&) Huntingburg: WBDC 100.9 adds JRN cntry (&) Indianapolis: WNOU 93.1 FC to CHR "Radio Now" CC (ex WNAP)

Marengo: WKLO 89.9 LC Rushville: WKWH 94.3 CC (ex WRCR), FC to

WW1 country (&)

Tell City: WTCJ 105.7 NW, CHR "The Party" W.Terre Haute: WWVR 105.5 DA, XG: 39-27-13 / 87-28-15

IOWA:

Clinton: KZEG 94.7 adds WW1 country (&) Des Moines: KIOA 93.3 PC< 82 kW, 1066', C1, XC: 41-37-55 / 93-27-26

DeWitt: KBOB 104.9 CC (ex KQLI) Keokuk: KOKX 95.3 inc. to 804 ft. Muscatine: KBEA 99.7 CC (ex KBOB) FC to CHR

"B100" (Quad Cities) Postville: *NS 89.1 100w, 216 ft.

Spencer: K220HY 91.9 NS-210w: WNCB

KANSAS:

Arkansas City: K201FZ 88.1 NS-50w: WJFM-OH Belleville: KREP 92.1 adds JRN country (&) Belle Plaine: KWSJ 92.7 CC (ex KANR) FC to smooth jazz

Clay Ctr: KCLY 100.9 PG> 25 kW, 276', C3, XG: 39-29-14 / 97-07-35

Concordia: KCKS 94.9 QC from 95.3, now C1, PC> 100 kW, 521', XC: 39-21-19 / 97-42-16

Kansas:

Haysville: KWCY 105.3 CC (ex KWSJ) "Wichita Country*)

Manhattan: KMKF 101.5 adds Bob & Tom

KENTUCKY:

Ashland: WDGG 93.7 adds CD Country overnights (&) (Huntington) Eminence: WXLM 105.7 FC to classic country // WTHQ

Frankfort: WKYW 104.9 FC to AP - news (&) Harlan: WTUK 105.1 adds John Boy & Billy Leesville: KJAE 93.5 QC from 92.7, PC> 7.5 kW, now C3

Lexington: WLKT 104.5 dec. to 466', ND, XC: 38-04-09 / 84-18-44

Lexinaton: WMXL 94.5 dec. to 476', XC: 38-07-24 / 84-26-37

Monticello: WMKZ 93.1 PC> 1450w, 676 ft.

LOUISIANA:

Bastrop: K202DD 88.3 NS-80w: WJFM-OH KBCE 102.3 adds Tom Joyner Boyce: DeRidder: K208DW 89.5 NS-20w: WJFM-OH Jackson: WBJJ 104.5 XG: 30-41-50 / 91-16-03 Lafavette: K206CM 89.1 NS-74w(h), WJFM-OH LaPlace: WCKW 92.3 drops Bob & Tom Maurice: KFXZ 106.3 adds ABC Black Gospel (&) Minden: K216EX 91.1 NS-38w: WJFM-OH Natchitoches: K211DY 90.1 NS-10w: WJFM-OH Natchitoches: KZBL 100.7 FC to oldies "The Beat"

New Iberia: KOOJ 93.7 PC< 80 kW, 620', DA New Iberia: K213DG 90.5 NS-10w: WJFM-OH Shreveport: KBED 102.9 LC

Winnfield: K209DR 89.7 NS-27w: WJFM-OH

MAINE:

WMED 89.7 45-01-45 / 67-19-26 Calais: Kittery: WSHK 105.3 CC (ex WXBB) "The Shark" Presque Isle: WBPW 96.9 dec. 430', DA Winter Harbor: WNSX 97.7 CC (ex WAKN) "Ninety Seven*

MARYLAND:

Salisbury: WICO 97.5 PC> 4.5 kW

MASSACHUSETTS:

Brookline: WBOS 92.9 PG> 18.5 kW, 734 ft, XG: 42-20-50 / 70-04-59

Framingham: WROR 105.7 PC> 23 kW (Cir) Nantucket: WNAN 91.1 NW, news and information "Nan 91.1" (Cape Cod)

Tisbury: WMVY 92.7 inc. to 315', XG: 41-26-16 / 70-36-51

Worcester: WAAF 107.3 PG< 9.6 kW, 1099 ft, DA, XG: 42-20-09 / 71-42-57

MICHIGAN:

Gaylord: WMJZ 101.5 PC> 6 kW, DA

MINNESOTA:

Aitkin: KKIN 94.3 FC to JRN classic country (&) in August

Alexandria: KXRZ 99.3 CC (ex KSTQ), FC to JRC AC (&) Glencoe: KARP 96.3 PC> 100 kW, 577', C1,

XC: 44-56-25 / 83-55-43

Moose Lake: KBFH 107.1 PA: to 97.7 - A

Minnesota:

Pillager: KBKK 95.9 dec. to 239', DA St.Paul: WMCN 91.7 SI (needs new tower) Sauk Rapids: WHMH 101.7 PG> 50 kW, 476 ft. XG: 45-30-02 / 94-14-31

Waite Park: PC> 9 kW, 413 ft, class C3 Windom: *NS 89.9 250w, 171 ft. Worthington: *NS 90.1 250w, 125 ft.

MISSISSIPPI:

Booneville: WMAE 89.5 dec. to 653 ft. Charleston: WTGY 95.7 PC>6 kW Columbia: *NS 89.5 250w, 177 ft. McComb: WAKH 105.7 adds CD Country (&) McLain: WXAB 96.9 PC< 4 kW, 400 ft. Meridian: WMMZ 102.1 PC> 920w, 505 ft. Pt.Gibson: WRTM 100.5 drops DA Tupelo: W205BS 88.9 NS-35w: WAFR-MS Water Valley: WLPX 105.5 inc. 328', DA

WPKQ 1037

MISSOURI:

Canton: KRRY 100.9 PC> 28 kW, 656 ft. Columbia: KBXR 102.3 PC> 3.5 kW, 856', C3 Deerfield: KBZI 100.7 CC (NS) Jefferson City: KBQF 104.1 PG< 5.3 kW, 348 ft, XG: 38-33-50 / 92-11-21

St. Louis: KSD 93.7 adds disco 5pm - 3am (but should be back to all hot AC by now) Springfield: K218DC 91.5 NS-250w(h), WJFM-OH Thaver: KSAR 92.3 NW, country

MONTANA:

Billings: K215DL 90.9 NS-50w(v), KEFX-ID, DA Great Falls: KGPR 89.9 PC> 9.5 kW, 295 ft. Hamilton: KBAZ 95.9 CC (ex KBMG) Huntley: K210CV 89.9 NS-50w(v), KEFX-ID, DA Plains: KPLG 91.5 PC> 1.8 kW, DA Ronan: KQRK 92.3 FC to ABC hot AC (&)

NEBRASKA:

Lexington: KRVN 93.1 adds JRN soft AC(&) Wilber: KFLV 89.9 PG> 8.8 kW, 351 ft.

Henderson: KMXB 94.1 dec. to 1161', XG: 36-00-30 / 115-00-20

Jacknot: KBSJ 91.3 CC (NS) KBZB 98.9 LC Pioche:

KSRN 92.1 FC to smooth jazz (Reno) Sparks:

NEW HAMPSHIRE:

WPKQ 103.7 CL: North Conway, NH\ Berlin: Conway: WBNC 104.5 FC to oldies "The Valley" (&)

Exeter: WERZ 107.1 dec. to 348 ft, add DA, XG: 43-01-38 / 70-52-51

Hampton: WSAK 102.1 CC (ex WXBP) "The Shark" Peterborough: WFEX 92.1 CC (ex WNHQ)

NEW JERSEY:

Atlantic City: WMGM 103.7 FC to classic rock "The Shark*

Beach Haven West: *NS 88.3 100w(v), 426', DA WNJS 88.1 inc 571', XG: 46-10-56 / 00-Berlin: 48-09 (?)

New Jersey:

Cape May: WGBZ 102.3 CC (ex WJSX) Pleasantville: WZBZ 99.3 CC (ex WSAX) Port Republic: *NS 88.7 520w(v), 161', DA

NEW MEXICO:

FM NEWS PAGE 4

Kirtland: KAZX 102.9 drops DA Las Vegas: KTRL 102.9 PG 26 kW .-16 ft. Las Vegas: KMDZ 96.7 CC (NS)

Tucumcari: K206CN 89.1 NS-28w: KLYT 88.3

NEW YORK:

Buffalo: WTSS 102.5 CC (ex WMJQ), FC to hot AC "Star 102.5"

Canton: WRCD 101.5 adds Don Imus, PC 5.5 kW, 341 ft, XC: 44-32-10 / 75-05-46

Clyde: WCOV 93.7 CC (ex WLLW), FC to religion // WCIK 103.1

Cobleskill: WQBJ 103.5 PA: to class B. St. Johnsonville, NY

Fenner: WXXE 90.5 drops DA Fredonia: WCQA 96.5 PA: to class A, Falconer, NY

Monticello: WSUL 98.3 PC> 2.2 kW, DA Olean: WMXO 101.5 XC: 42-06-18 / 78-23-25 Seneca Falls: WLLW 99.3 CC (ex WSFW), FC to ABC classic rock (&)

Waterloo: WNYR 98.5 FC to JRN soft AC (&) Willsboro: WXPS 96.7 FC to smooth jazz (&)



Playing Superstars of the '70s, '80s, and '90s!

NORTH CAROLINA:

Buxton: WBUX 90.5 PC 5.9 kW, 154 ft. Leland: WKXS 94.1 CC (ex WAAV) "Kiss 94.1" Southern Pines: WKQB 106.9 XG: 35-01-06 / 79-14-26

Waxhaw: WNMX 106.1 PC> 32 kW, class C2 Wilmington: WHQR 91.3 PC> 60 kW, DA

OHIO:

Lebanon: WAQZ 97.3 CC (ex WYLX), FC to modem rock "Z 97.3" (Cincinnati), PC> 5 kW, 358 ft. XC: 39-16-53 / 84-21-11

Steubenville: WOGH 103.5 CC (ex WRKY) Youngstown: WMXY 98.9 CC (ex WKBN) "Mix 98.9"

Zanesville: WHIZ 102.5 PC> 50 kW (h), 48 kW (v), DA

OKLAHOMA:

Claremore: KTFR 100.7 PG> 6 kW, CL: Chelsea, OK, XG: 36-30-12 / 95-26-29 Coalgate: KCNR 105.5 CC (NS)

Muskogee: KMMY 97.1 dec. to 1246 ft, XC: 35-15-35 / 95-25-52

Oklahoma City: KXXY 96.1 PC< 98 kW, 1171 ft. Sulphur: *NS 89.3 800w, 171', AFA Weatherford: KAYM 90.5 LC

OREGON:

Ashland: KIFS 107.5 CC (ex KKJJ) "Kiss 107" Baker: KCMB 104.7 adds JRN country (&) Beaverton: KKCW 103.3 dec. to 1541', XG: 45-31-21 / 122-44-45

Florence: KWVZ 91.7 PC 150w, 554', ND Lakeview: *NS 88.7 170w. -590 ft.

Newport: K210CW 89.9 NS-62: KLOV-FM Portland: KKRZ 100.3 dec. to 1541', XG: 45-31-21

/ 122-44-45 Reedsport: KAUB 89.1 PC< 688w

Reedsport: KSYD 92.1 PG< 300w(h), 358 ft, XG: 43-39-26 / 124-11-10

Seaside: KCYS 98.1 inc. to 328', XC: 45-57-08 / 123-56-14

PENNSYLVANIA:

Charleroi: WOGI 98.3 PA: to class A, Dugesne.

Nanticoke: WQFM 92.1 PC> 660w. 994 ft. New Kensington: WZPT 100.7 PC< 14.5 kW, 918'.

Williamsport: WSFT 107.9 PC> 360w, 1289 ft.

RHODE ISLAND:

Block Is: WADK 99.3 PC 4.6 kW, 177', DA

SOUTH CAROLINA:

Andrews: WGTN 100.7 reported SI Murrel's Inlet: WMGB 88.3 PC< 250w(v), 161 ft. XC: 33-32-07 / 79-03-50

SOUTH DAKOTA:

Milbank: K213DI 90.5 NS-219w: WNCB Mitchell: K204DW 88.7 NS-99w: WJFM-OH Spearfish: KDDX 101.1 dec. to 1788' DA Watertown: KJBB 89.1 100 kW, 1571 ft, CC (NS) Yankton: K216EY 91.1 NS-92w; WJFM-OH

TENNESSEE:

Crossville: WXVL 99.3 adds JRN a/c (&) Gatlinburg: WDLY 105.5 FC to a/c "Mix" Memphis: WYPL 89.3 PG> 100 kW, 1269 ft, DA, XG: 35-28-03 / 90-11-27

Memphis: WEGR 102.7 PC< 87 kW, 945 ft, XC: 34-16-33 / 89-46-38

Minor Hill: WEUZ 92.1 CC (ex WEUP) Nashville: WNAZ 89.1 PC < 2.5 kW, 197', DA Shelbyville: *NS 91.3 250w, 46 ft.

TEXAS:

Amarillo: KAEZ 105.7 PG> 43 kW, 525 ft, C2,DA, XG: 35-17-33 / 101-50-48

Amarillo: KXLV 89.1 PG> 13.6 kW, 476', C3 Amarillo: KXRI 91.9 CC (ex KYFA)

Bastrop: KYCM 88.5 SI Beaumont: KXTJ 107.9 SG "La Z"

Center: KDET 100.5 drops DA

Centerville: KUZN 105.9 NW, "Texas 106" Country College Station: KEOS 89.1 PC> 1 kW (v), 253',

Copperas Cove: KSSM 103.1 FC to urban AC "Kiss" CC (ex KOOV)

Corsicana: KDXX 107.9 CC (ex KLNO) FC to romantica "Amor" (Dallas)

Dallas: KYNG 105.3 FC to hot talk (may include Leykis, Stem)

Dumas: KDDD 95.3 CC (ex KMRE) "Ding Dong Daddy*

Gainesville: KDOS 107.9 FM to romantica // KDXX "Amor" (Dallas)

Giddings: KANJ 91.5 FC to religion // KHCB Granbury: KDXT 106.7 FC to romantica // KDXX "Amor" (Dallas)

Harker Hts: KUSJ 105.5 CC (ex KYUL), FC to country, "US 105"

Hempstead: KEZB 105.3 noted on the air testing

CAT COUNTRY

New Country And Your 94.7 Familiar Favorites

Henderson: KDVE 100.3 PG< 2.350w, 535 ft. XG: 32-22-37 / 94-34-18, CL: Tatum, TX Houston: KIKK 95.7 SG "Kick 95" dropping "Young Country"

Lindale: 95.7 XA to add class A Lubbock: KQRI 90.9 CC (ex KYFT) Lytle: KZLV 91.3 PC> 3.8 kW McCook: KCAS 91.5 PG< 2.5 kW< 358 ft.

Markham: *NS 91.3 5 kW. 256 ft. Mt.Pleasant: *** 100.5 PA: add class A Nacogdoches: KJCS 103.3 adds JRN country overnight (&)

Palestine: KLIS 96.7 inc. to 492', C2, XG: 32-02-16 / 94-24-41, CL: Frankston, TX Refugio: KTKY106.1 GA: to 106.5 - C2, CL: Taft,

S.Padre Is: KZSP 95.3 PC> 6 kW

Temple: KYUL 101.7 CC (ex KLTD), FC to oldies KLGD 104.9 RA with 45+ soft AC (&) Tulia: Waco: KCKR 95.7 FC to oldies "Oldies 95" Winters: KORQ 96.1 CC (ex KATX)

UTAH:

Brian Head: KREC 98.1 adds Delilah Richfield: KACE 97.5 CC (ex KRFD) St. George: K217DT 91.3 NS-10w: KLOV-FM

VERMONT:

Springfield: WCFR 93.5 FC to country // WMXR Woodstock: WMXR93.9 FC to country "Bob Country"

Christiansburg: WFNR 100.7 CC (ex WBZV) FC to all sports/news/talk, will be // WFNR 710 about 12 hours a day

Farmville: WFLO 95.7 FC to soft AC (&) Yorktown: WXEZ 94.1 FC to soft AC (Tidewater)

WASHINGTON:

Cheney: KEYF 101.1 PC< 940w (v), 1473', DA E. Wenatchee: KYSN 97.7 PG> 9.3 kW, -98 ft, C3, XG: 47-22-51 / 120-17-15

Kennewick: KTCV 88.1 PG> 1.1 kW, -82 ft, XG: 46-13-09 / 119-12-01

Naches: KREW 99.3 PC> 790w, 899' Walla Walla: KUJ 99.1 PC> 31 kW, 623', C2, XC: 45-57-22 / 118-41-11

Wenatchee: KPQ 102.1 FC to classic hits "The Quake*

WEST VIRGINIA:

Charleston: WVAF 99.9 FC to a/c

Charleston: WKWS 96.1 adds John Boy & Billy Pocatalico: WRVZ 98.7 FC to dance-CHR

WISCONSIN:

WBJZ 104.7 FC to smooth jazz Crockett: *NS 88.5 3 kW, 328 ft. DePere: W209BM 89.7 NS-10w: KEFX-ID WWIB 103.7 XC: 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

Marshall: *NS 90.3 3.9 kW, 331 ft, DA Milwaukee: WKTI 94.5 dec. to 754 ft, DA New Richmond: WIXK 107.1 PA: from class C2 to C3, CL: Coon Rapids, MN

Port Washington: WGLB 100.1 reported SI Rice Lake: WJMC 96.1 QC from 96.3, PC< 50 kW, 482', XC: 45-37-14 / 91-44-44

Seymour: WECB 104.3 XG: 44-31-26 / 88-19-54 Three Lakes: WLSL 93.7 FC to oldies "B93"

WYOMING:

Casper: KHOC 102.5 inc. to 1860', XG: 42-44-37 / 106-18-31

Douglas: KDUW 91.7 LC

AMERICAN SAMOA:

KNWJ 93.9 PC< 320w, 1269', DA Leone:

PUERTO RICO:

Aguada: WFDT 105.5 CC (ex WNNV) Pastillo: *NS 90.1 200w. -121 ft. DA WPUC 88.9 CC (ex WEUC) San German: WNNV 91.7 CC (ex WZGX)



CANADA

ALBERTA:

*NS 93.3 92w // CKRY wanted Lloydminster: *NS 106.1 new 100 kW pop rock station granted

Vallevview: *NS 105.7 75 kW, wanted // CKYL Valleyview: *NS 106.9 75 kW, wanted // CKKX

BRITISH COLUMBIA:

Chilliwack: CHWK 1270 wants 98.3, 2.34 kW, oldies Prince George: CFPG 90.3 wants PG> 151w Sooke: *NS 94.7 38w, to be // CKKQ Victoria: CJVI 900 wants 103.1, 9.4 kW, gold based adult standards

MANITOBA:

Bloodvien: *NS 96.9 23.1w. // CINC Easterville: *NS 93.5 23.1w. // CINC Griswold: *NS 93.5 23.1w. // CINC Thicket Portage: *NS 96.9 23.4w, // CINC

NEW BRUNSWICK:

Campbellton: *NS 88.9 10 kW, wanted // CBAL-FM Grand Falls: CKMV AM wants 95.1, 975w // CJEM Moncton: *NS 99.9 45 kW CHR application has been withdrawn

NEWFOUNDLAND:

Clarenville: *NS 93.7 11 kW wanted // CBN-AM

ONTARIO:

Bracebridge: CFBG 100.9 wants 99.5, 100 kW Christian Island: *NS 101.3 900w, native station Iroqouis Falls: CJWL 104.9 QG to 101.1

Kingston: *NS 105.7 various apps: 5 kW classic rock, 20 kW soft AC (Chum Ltd), 24 kW rock, 4 kW soft AC, 15740w new rock

New Liskeard: *NS 103.5 37w country stn wanted North Bay: *NS 98.3 50w country stn wanted Smiths Falls: CJET 630 QG to 92.9 - 9.3 kW, to remain "traditional country"

Smooth Rock Falls: *NS 94.7 250w stn wanted // CKGN

Sudbury: *NS 90.1 50 kW CBC2 wanted Sudbury: *NS 90.9 50 kW wanted // CBFX and La Chaine culterelle

Timmins: *NS 94.3 50 w all hits station wanted

QUÉBEC:

Donnaconna: CKNU 100.9 wants PG< 2.2 kW, XG Fermont: *NS 100.5 255w wanted // CBSI Gaspe: *NS 90.1 2.16 kW, wanted // CBFX Lac-Simon: CHUT ?? wants PG> 102 w 99.1 50w, FF community stn Matagami: *NS Montreal: CBF 100.7 wants PG> 100 kW *NS 89.9 17.2 kW wanted // CBFX Rouyn: Scotstown: *NS 103.7 0.8w FF station religion

wanted Sherbrooke: CBF 101.1 wants to originate 6.25 hours a week of programming This station is relaved on CBF6 Lac Megantic, CBF11 Abestos, and CBF12 Victoriaville

Trois-Rivieres: CBF 88.1 wants to orginate 5 hours per week of prog.

SASKATCHEWAN:

Saskatoon: *NS 106.7 new classic rock station granted, but 106.7/100 kW was rejected, a new freq. must be chosen

94.1 new country stn 100 kW Yorkton: *NS wanted (NOT replacing CJGX 940)



MÉXICO

BAJA CALIFORNIA:

Tijuana: XHGLX 91.7 FC to Spanish (drops EE a/c)

Tijuana: XHLNC 90.7 FC to classical "Top 400 hits of the last 400 years"

• PIRATE WATCH:

ROCHESTER, NY: A 92.1 playing oldies has been heard in the suburb of Perinton, at a range of about 10 miles. However, he has shut the station off. Information can be found at http://www.msnbc.com/local/WHEC/5150.asp

May 2000

 John Ebeling sends us an FM bandscan from his vacation spot in Barbados. He does not know Spanish, so information on stations in that language is incomplete....

90.7 Carribean Broadcasting Co. (CBC) -Barbados (English)

92.9 Barbados (E)

95.3 Barbados (E) 96.1 ?? (Spanish)

96.3 ?? (S)

97.1 Trinidad? (E) (station is on 97.9 in Tobago)

98.1 Barbados (E)

98.9 Port of Spain, Trinidad (E)

"100 FM" Trinidad & Tobago? (E) 100.1 102.1 Gospel (E), strong but not local

103.1 "103 FM", (E) no idea where

Barbados (E) "Yes FM" 104.1 105.1 Port of Spain, Trinidad, (E)

106.1 ???, CBC (E)

> Mike Cooper sends word about 100.7 Christiansburg, VA changing to talk (see Virginia above) and about a recent change at WRTO in Goulds, Fla. (98.3). The station recently interrupted its program (Miami Herald, 2/15/00), with 48 hours of just a laugh track! When this was over, the station announced that it would run exclusively salsa music. Program Director Pio Ferro said "... our research shows that the most popular type of music is salsa". Ferro is no stranger to laugh-tracks: he was PD at KSCA 101.9 Glendale-Los Angeles when it switched from alternative rock to Spanish. They also used a laugh track, which was widely critized by listeners of KSCA. This time in Miami, however, there were no known complaints!

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

TV News

May 2000

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

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

Applications for new stations

These	are applications	for new DTV stations, showing	their an	alog and digital	channels:
<u>AK</u>	Ketchikan	KUBD 4=>13		Roanoke Rap.	WUNP 36=>39
DE	Seaford	WDPB 64*>44	NE	Albion	KLKE 24=>23
FL	Fort Myers	WGCU 30=>31	_	Hastings	KHAS 5=>21
	Ft. Walton Bch	WPAN 53=>40	NM	Albuquerque	KNME 5=>25
		WAWD 58=>49	NV	Las Vegas	KLAS 8=>7
	Panama C Bch	WPCT 46=>47		Reno	KNPB 5=>15
	Tallahassee	WFSU 11=>32	<u>NY</u>	Binghamton	WSKG 46=>42
	W. Palm Bch	WXEL 42=>27		Syracuse	WCNY 24=>25
$\mathbf{G}\mathbf{A}$	Atlanta	WATC 57=>41	OH	Bowling Green	WBGU 57=>56
	Columbus	WLTZ 38=>35		Columbus	WOSU 34=>38
<u>H1</u>	Hilo	KHBC 2=>22		Dayton	WPTD 16=>58
	Honolulu	KGMB 9=>8		Portsmouth	WPBO 42=>43
		KHNL 13=>35		Toledo	WGTE 30=>29
	Wailuku	KAII 7=>36	<u> </u>	Tulsa	KOTV 6=>55
		KWHM 21=>20	<u>PA</u>	Bethlehem	WBPH 60=>59
<u>IA</u>	Red Oak	KHIN 36=>35		Erie	WQLN 54=>50
	Waterloo	KRIN 32=>35			WJET 24=>58
<u>IL</u>	Jacksonville	WSEC 14=>15		Pittsburgh	WQEX 16=>26
<u>IN</u>	South Bend	WNIT 34*>35		Wilkes-Barre	WBRE 28=>11
<u>KY</u>	Pikeville	WKPI 22=>24	<u>PR</u>	Humacao	WVSN 68=>49
	Somerset	WKSO 29=>14		Ponce	WQTO 26=>25
<u>La</u>	Columbia	KAQY 11=>57	<u>TN</u>	Knoxville	WATE 6=>26
	L. Charles	KPLC 7*>8		Nashville	WNPT 8=>46
		KLTL 18=>20	<u>TX</u>	Conroe	KTBU 55=>42
<u>MD</u>	Salisbury	WBOC 16=>21		El Paso	KCOS 13=>30
ME	Presque Isle	WMEM 10=>20		Katy	KNWS 51=>52
<u>MI</u>	Alpena	WCML 6=>57		Port Arthur	KBTV 4=>40
	Cadillac	WCMV 27=>58	<u>VA</u>	Staunton	WVPT 51=>11
	Manistee	WCMW 21=>17	<u>WI</u>	Milwaukee	WITI 6=>33
	Mt. Pleasant	WCMU 14=>56	$\underline{\mathbf{w}}\mathbf{v}$	Grandview	WSWP 9=>53
<u>MN</u>	St. Paul	KTCA 2=>34		Huntington	WPBY 33=>34
<u>MS</u>	Miss. State	WMAB 2=>38		Morgantown	WNPB 24=>33
NC NC	Chapel Hill	WUNC-DT 4=>59			
<u>NC</u>	Lumberton	WUNU 31=>25			

In Canada, an application has been filed for an 8-channel wireless-cable system at Fort St. James, BC, 5.45km NE of the existing facility at 54-25-06N/124-17-49W. All eight channels will operate at 20 watts. Knowledge Network will be carried on channel 46; Discovery on 50; CBC North on 52; TSN on 54; CKVU [10] on 60; CHAN [8] on 62; KIRO [7] on 66; and KING [5] on 68. If the coverage of the new facility proves adequate, the existing system on channels 3/4/5/6/9/10/11/13 will be deleted.

Construction permits granted for new stations

<u>st</u>	<u>Ch</u>	ERP	Call/ HAAT	City/applicant	Latitude	Longitude
BC	8n	0.01	CHCW- TV-3?	Clearwater; Knowledge Net	51-36-55	120-02-23
BC	12n	0.01	CKVC-	Vavenby; Knowledge Net	51-34-37	119-47-28
FL	24z	5000	206	Tallahassee; Ch. 24 Corp.	30-21-29	84-36-39
ID	5-	3.98	256	Sun Valley; Turner Ent.	43-39-59	114-16-37
MI	19z	5000	197	Marquette; Winstar Bcstg.	46-30-52	87-28-37
MT	24z	3020	587	Butte; Winstar Bostg.	46-00-27	122-26-30
MT	26z	5000	175	Great Falls; Winstar Bc.	47-32-23	111-17-06
MT	17-	1860	515	Missoula; Winstar Bostg.	46-48-30	113-58-38

NM	21-	5000	151	Roswell; NM-Roswell 21 LLC	33-21-47	104-38-11
NM	6z	1.7	477	Silver City; KOB [4]	32-51-49	108-14-27
sc	33-	62	W33CA	Johnston; Dove Bostg.	33-41-10	81-55-43
SD	21	1500	134	Rapid City; Rapid Bostg.	44-01-19	103-15-33
UT	3+	88.7	654	Price: Channel 3 LLC	39-45-22	110-59-22

New-station	applications	dismissed:
-------------	--------------	------------

<u>FL</u>	Tallahassee	ch. 24 - 6 apps	<u>NM</u>	Roswell	ch. 21 - 3 apps
ID	Sun Valley	ch. 5 - 6 apps		Silver City	ch. 6 - 3 apps
MI	Marquette	ch. 19 - 4 apps	<u>SD</u>	Rapid City	ch. 21 - 5 apps
MT	Butte	ch. 24 - 2 apps	<u>UT</u>	Price	ch. 3 - 3 apps
	Great Falls	ch. 26 - 2 apps			
	Missoula	ch 17 - 3 anns			

These full-power grants are the first to win channels in spectrum auctions. It's still possible for these grants to be rescinded if the winners can't pay their bids, but I think that's unlikely to happen. The callsigns of the Canadian stations are assumed - they appeared in a notice of change of ownership, but don't appear in the Industry Canada database.

New DTVs granted:

<u>AL</u>	Huntsville	WAFF 48=>49	<u>MT</u>	Missoula	KECI 13=>40
CA	Arcata	KAEF 23=>22	<u>NE</u>	Scottsbluff	KSTF 10=>29
	Ontario	KHSC 46=>47	NM	Albuquerque	KRQE 13=>16
CO	Glenwood Sp.	KREG 3=>23		Carlsbad	KOCT 6=>19
	Grand Jctn.	KREX 5=>2		Roswell	KOBR 8=>38
FL	Key West	WEYS 22=>3	NV	Winnemucca	KWNV 7=>12
<u>GA</u>	Macon	WMGT 41=>40	OH	Toledo	WTVG 13*>19
HI	Wailuku	KGMV 3=>24	OH SC	Charleston	WCSC 5=>52
IN	Terre Haute	WTWO 2=>36	TN	Jackson	WMTU 16=>39
KY	Louisville	WAVE 3=>47	TX	Amarillo	KVII 7=>23
LA	Lafayette	KATC 3=>28		Corpus Christi	KZTV 10=>18
MI	Jackson	WHTV 18*>34		El Paso	KDBC 4=>18
	Mt. Clemens	WADL 38=>39		Harlingen	KGBT 4=>31
MN	Mankato	KEYC 12=>38			KMBH 60=>38
	Minneapolis	KVMB 45=>44		Lufkin	KTRE 9=>43
<u>MO</u>	Joplin	KSNF 16=>46		San Angelo	KIDY 6~>19
MS	Columbus	WCBI 4=>35		Wichita Falls	KFDX 3=>28
	Meridian	WTOK 11*>49	<u>VA</u>	Bristol	WCYB 5*>28
MT	Billings	KULR 8=>11	wv	Clarksburg	WBOY 12=>52
	Butte	KTVM 6=>2	WY	Casper	KGWC 14=>15
		KXLF 4=>15		Jackson	KJWY 2=>14

Applications to change existing stations

<u>St</u>	<u>Ch</u>	ERP	HAAT	City	<u>Call</u>	Latitude	Longitude
OK	14-		358	Oklahoma City	KTBO-TV	35-34-35	97-29-09
PR	18z		275	San Juan	WTCV	18-16-30	66-05-36

Changes granted to existing stations

<u>St</u>	<u>CP</u>	ERP	HAAT	city	Call	<u>Latitude</u>	Longitude
AL	34 -	700	240	Ozark	WDFX-TV		
MI	34z	2250	247	Eagle River	WYOW		

WQHS-TV [61, Cleveland OH]'s application to increase power to 5000KW has been dismissed. So has KCPQ [13, Tacoma WA]'s to move to West Tiger Mountain near Issaquah, increasing tower height & decreasing power.

Changes granted to construction permits

St	<u>Ch</u>	ERP	HAAT	City	<u>Call</u>	Latitude	<u>Longitude</u>
AL	67z	2822	325	Troy	WRJM-TV	32-03-37	85-57-02
OR	46^	1000		Portland	KGW-DT	45-31-21	122-44-45

LPT	V Displace	ements Gr	anted				
AL	Birmingham	W46CY 51 =>		NC	Durham	W24CP 56 =>	24
AZ	Chinle	K32FK 61=>3	2		Goldsboro	W63CW 59*>	
	Flagstaff	K54GI 60=>5			Raleigh	W68BK 68 =>	_
	Kingman	K41FT 66=>4		<u>NE</u>	Omaha	K24FC 18=>2	
	Mesa Parks	K57HX 17 => K47GM 64=>		NH NV	Littleton Goldfield	W29CM 16=> K44FS 7=>44	29
	Phoenix	K53GF 67=>5		NY	New York	WKOB-LP 53	=>48
	Tucson	K54FW 56=>5		OH.	Youngstown	WYFX-LP62=	
		K50FV 23=>5	0	OR	Grants Pass	K50FW 38*>5	
<u>CA</u>	Modesto	K49EO 57 =>		<u>OR</u>	Milton	K29EG 69 =>	29
	Redding	K47GK 4 =>				K40FM 67 =>	
co	Santa Rosa Fleming	KDTV-LP 25= K56GL 27=>5		<u>PA</u>	Philadelphia	WXTV-LP 35	
<u>co</u>	Sterling	K58GH 29=>5		<u>SC</u>	Reading Myrtle Beach	W24CS 59=>2 W34CO 66=>:	
	Towaoc	K29EK 64=>2		TN	Collegedale	W21BZ 30=>2	
<u>CT</u>	Hartford	W38CP 32 =>	- 38	TX	Austin	K34FM 26=>3	
<u>DE</u>	Dagsboro	WBLP-LP 22	=>14	_	Corpus Christi	K32FL 47=>3	2
	Talleyville	W53BZ 55=>				K18FS 27=>1	
<u>FL</u>	Fort Myers	WDPX-LP 57			San Angelo	KTXE-LP 55=	
<u>FL</u> IL	St. Petersburg Champaign	W36CO 60=>: W07DD 21=>		<u>TX</u>	San Antonio	K52EA 52 => K14KI 57=>1	
<u>IN</u>	Evansville	W23BV 36 =>		<u>UT</u>	Manti	K25GS 24=>2	
MD	Towson	WMJF-LP 61		<u> </u>	141MINI	K33FT 34=>3	
MN	Granite Falls	K53GE 65 =>		$\mathbf{W}\mathbf{A}$	Clarkston	K42EW 66=>4	
		K55IP 69 =>5		WI	Madison	W38CT 33 =>	38
		K54GH 34=>5				W23BW 54=>	
	Willmar	K36FL 62 => K52GK 66 =>			Milwaukee	WMKE-LP 8	=> 7
MS	Natchez	W24CR 20=>2					
200							
	'V Displace						
<u>CA</u>	Modesto	K49EO	57=>49	<u>NE</u>	Culbertson	K44FN	12=>44
<u>MI</u>	Detroit Grand Rapids	WDWO-LP	44=>18	NM NV	Carrizozo	K22FN	62=>22
MN	Minneapolis	W48CL K67HG	61=>48 35=>67	NV OR	Walker Lake Salem	K14JY K27ER	61=>14 41=>27
MS	Meridian	W47CG	63=>47	SC	Beaufort	W19CH	40=>19
<u></u>	Pascagoula	W51CU	46=>51				
1 171	W/ D:I	D:-			4-		
	V Displace			niea/e		waano	22
AL	Birmingham	W28BR	28*>27 65=>45	NE	Weaverville Lincoln	W23BQ K31DU	23=>66 31=>53
AZ	Bullhead City Jaynes	K65FI K34DD	34=>38	NE	Omaha	K67FM	67=>24
<u>CA</u>	Crescent City	K39EO	39=>46			K61GA	61=>24
	Hanford	KHMM-LP	16=>57	NJ	Cherry Hill	W24CN	24=>68
	San Martin	K52BY	52=>38		Cranford	WLBX-LP	22=>48
	Santa Rosa	K30DO	30=>28	NY	Nyack	WRNN-LP	57=>35
	Stockton	K52CK	52=>41	ОП	Troy Akron	WNGN-LP	26=>51 11=>58
<u>FL</u>	Fort Myers Kissimmee	WLZE-LP WTMO-LP	65=>18 40=>15	<u>OH</u>	Cleveland	W11CB W65DL	65=>57
	Lakeland	WLWA-LP	14=>46		Columbus	W58CQ	58=>23
	Melbourne	WMVJ-LP	22=>54	OH	Dayton	WUCT-LP	51=>59
	Orlando	W22CE	22=>16		Toledo	W09CG	9=>60
		W22CE	22=>21			W68CD	68=>22
		W22CE	22=>46	<u>ok</u>	Bartlesville	K66EK	66=>52
	Panama City Sarasota	W50BP W24AT	50=>32 24=>48		Lawton Sulphur	K15DJ KOKT-LP	15=>38 20=>36
	Tampa	WRMD-LP	57=>36		Tulsa	K69GO	69=>20
	· unipu	WVEA-LP	61=>36	<u>OR</u>	Newberg	K66EJ	66=>51
<u>GA</u>	Dalton	WDGA-LP	66=>49	PA	Altoona	W32AX	32=>39
<u>KY</u>	Lexington	W62CL	62=>23		Kittanning	W25AX	25=>44
<u>LA</u>	Baton Rouge	K65FP	65=>38		Pittsburgh	WBPA-LP	29=>67
wo	Shreveport	K57FQ KBNS-LP	57=>40 31=>63	DP	Washington Isabel Seg.	W20AN W28BA	20=>58 28=>19
<u>MO</u>	Branton Kansas City	KBNS-LP K26CR	26=>55	<u>PR</u>	Mayaguez	WTPM-LP	67=>18
<u>NC</u>	Asheville	WJJV-LP	25=>43		Quebradillas	W27BT	27=>48
	Brevard	W59AR	59~>68			W66BM	66=>46
16	Rocky Mount	WHIG-LP	57=>45	<u>sc</u>	Columbia	W43BS	43=>21

		W51BR	51=>39		San Antonio	K48DS	48=>46
<u>TN</u>	Knoxville	W04CY	4=>45			KOBS-LP	63=>14
	Memphis	W57CG	57=>32			KOBS-LP	63=>43
<u>TX</u>	Austin	KGBS-LP	65=>34		Tyler	KTPN-LP	48=>31
	Clear Lake	K69FW	69*>59	<u>UT</u>	Park City	K25DL	25=>36
		KJIB-LP	5=>34		Salt Lake City	K38CN	38=>69
	Floresville	K45DX	45=>14	<u>VA</u>	Virginia Beach		67=>52
	Fort Worth	KUVN-LP	31=>47	VT	Rutland	W61CE	61=>35
	Giddings	KHPG-LP	21=>34	WA	Pasco	KBWU-LP	66=>40
	Lufkin	KLUF-LP	5=>27	$\overline{\mathbf{w}}$	Huntington	W19BK	19=>36
	McAllen	K69H7	69=>25		B.01		17 - 30

Technical changes on the air

St	Ch	Call	City	What happened
CA	63+	KADY-TV	Oxnard	increase power 1780=>5000KW & tower height 549=>551m.
FL	22z	WCLF	Clearwater	decrease tower height 433=>409m, move about 70km southeast.
MN	21+	KQDS - TV	Duluth	increase power 44.7=>550KW, tower height 180=>284m, correct coordinates
NC	61z	WLXI-TV	Greensboro	increase power 501=>1050KW.
PA	56z	WOLF-TV	Hazleton	increase power 1000=>1580KW, tower height 329=>503m, move about 30km northeast.
PA	8+	WGAL	Lancaster	decrease power 112=>110KW and increase tower height 415=>419m.
PA	53-	WILF	Williamsport	increase power 12.3=>1320KW & tower height 222=>244m.
RI	69-	WPXQ	Block Island	increase power 17.8=>3470KW, tower height 38=>205m, move about 40km northwest.
TN	54 -	WPXK	Jellico	increase power 21.9=>4900KW, tower height 395=>618m, move about 25km south-southwest
TX	11-	KTVT	Ft. Worth	increase tower height 509=>518m.
WA	33+	KWPX	Bellevue	increase power 14.8=>3720KW, tower height 286=>717m, move about 40km east-southeast.
WI	25z	WLAX	La Crosse	increase power 562=>2000KW, decrease tower height 306=>299m.

New stations on the air or requesting operating license

					TOTAL BUILDING	5	
<u>8t</u>	<u>Ch</u>	ERP	HAAT	Call	City	Latitude	Longitude
ID	33n	2		K33DT	Boise	43-44-23	116-08-14
KS	33z	41.7	96	KWCV	Wichita	37-41-13	97-20-24
MC	67-	14.1		W67DU	Lumberton	34-40-27	79-02-29
PR	52z	275	585	WZDE	Carolina	18-16-44	65-51-12
VI	27z	26.9	121	WCVI - TV	Christiansted	17-44-53	64-43-40

New	DTVs on the air	:					
CA	San Diego	KFMB-DT	55	OR	Portland	KGW-DT	46
DC	Washington	WRC-DT	48	TX	Houston	KTRK-DT	32
GA	Atlanta	WAGA-DT	27	WA	Seattle	KOMO-DT	38
MA	Springfield	WGBY-DT	58		Vancouver	KPDX-DT	48
NC	Charlotte	WSOC-DT	34	$\underline{\mathbf{w}}$	Milwaukee	WMVS-DT	8
NH	Manchester	WMUR-DT	59				

Call changes
CA Arroyo Gde.; K08MD=>KAGP-LP
CA Santa Maria; K62EZ=>KWSM-LP

CO Steamboat Sprs.;KSBS=>KMAS-TV (24) FL W. Palm Beach; W57CX=>WBWP-LP

MA Marlborough; WHSH=>WHUB [66] MI Ishpeming; new=>WBUP (10) NC Boone; W24CI=>WLNN-LP NM Carlsbad; KUPC=>KTEL-TV (25) OH Youngstown; W62BT=>WYFX-LP

OR Reedville; KENY-LP=>KWBP-LP (4)
PR San Juan; WRWR-TV=>WSJU-TV (30)
SC N. Charleston; WFAY-LP=>WTBD-LP (22)
WA Richland; K49CN=>KRLB-LP
WA Walla Walla; K47EV=>KWWO-LP

Programming changes

Call	Location	Programming
CH3034 [3]; CH3037 [6]; CH3038 [9]; & CH3039 [10]	Fort St. James, BC	from WJBK [2], WGN [9], WDIV [4], and MuchMusic to KIRO [7], Discovery, KING [5], and independent community bulletin board.
WPPB-TV [63]	Boca Raton, FL	sold to Broward Co. School Board.
WBSG [21]	Brunswick, GA	from ABC to Pax.
K33DT	Boise, ID	new, HSN.
WHUB [66]	Marlborough, MA	to switch from home shopping to independent with call change.
K36DI	Santa Rosa, NM	sold to KOB [4], NBC.
K32DZ	Enid, OK	on, with auctions and America 1.
W46BL	Allentown, PA	sold from WPSG [57] to WFMZ [69].
K55CH; K57BG; K59AG; K60BI; K64BE; and K66BP	Enterprise; Sta. Clara; Bloomingtn; Rockvl; Virgin; & Toquerville,UT	all sold to KBYU [11], PBS.
K44FA	Evanston, WY	sold to KUED [7], PBS.

Forum & Other Stuff

Thanks to Fernando Garcia, Fred McCormack, Keith Smith, Jeff Kruszka, Glenn Hauser, Bill Frahm, John Ebeling, Jim Ayers, Dennis Smith, and Bob Stephens for material appearing elsewhere in this column.

Unfortunately, Fernando Garcia has acquired some more all-night semi-locals. XHVTV [54] Matamoros & Reynosa, and XHNAT [45] Nuevo Laredo had been going off the air overnight, but are now relaying XHSAW [64] Monterrey. XHSAW itself had been airing a test pattern for 2-3 hours overnight, but is now filling the time with music videos.

A new station has appeared on channel 14 from the direction of Reynosa carrying Azteca 7. This is <u>not</u> the same station as XHOR [14] Matamoros - the new station was 3 seconds delayed from XHOR. And, the new station continued to carry national Azteca programming from Mexico City while XHOR ran regional "TV Azteca Noreste" material.

Fernando Garcia is noting two new TV Nuevo Leon transmitters, on channels 27 and 28 with test patterns overnight. One had also operated for awhile on channel 29 but has since disappeared. Also noted new are stations to his southeast - channel 4 with Azteca 13 and channel 8 with Azteca 7.

North of the border, during a Gulf Tropo opening, Fernando has noted an unID-60 with ACN shopping parallel WPAN [53]. Our best guess is WRBM-LP Prichard, Alabama. Also noted new is a channel 23 with Shop-At-Home on a Baton Rouge heading; Fernando suspects WSTY-LP Hammond, LA. (Last noted with All News Channel)

New KBEJ [2] has not yet made it on the air, due to weather delays in completing the tower. (When's the last time a new station - with the possible exception of KFPX [39] - has completed its tower on schedule?!) Bob Stephens says he's been told the transmitter has been successfully tested into a dummy load though.

Jeff is seeing a TBN on channel 35 from the east during tropo openings; he believes W35BM Biloxi, formerly W29BH, is operating on its new channel. He's also noting W51CU Pascagoula listed on the TBN website; this is a LPTV displacement from channel 46.

Real live tropo this week... KOLR [10] made it through, about 320 miles for the first signal more than 300 miles away seen this year. Here's hoping it's the start of a great season!



Jeff Kruszka, Editor 5024 S. Braxton Ave. Baton Rouge, LA 70817 JTKruszka@worldnet.att.net

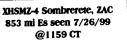
May 2000

We're back this month with more photos from Danny Oglethorpe, Shreveport, LA. Thanks, Danny!

Equipment: VHF: Winegard CA-5254, Antennacraft Y10-2-6 low band yagi at 11 ft.

UHF: Antennacraft P-5 dish w/ Winegard AP-4700 preamp



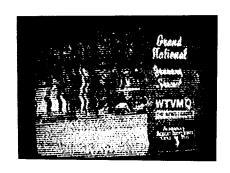




KSAT-12 San Antonio, TX 347 mi Tr seen 8/99 "local off"



WNPX-28 Cookeville, TN 538 mi Tr seen 8/4/99 @0915 CT



WTVM-9 Columbus, GA 512 mi Tr seen 1/12/00 @ 0945 CT

Trap that Pest!

Steve Harrison Ko0U, Shrewsbury, MA

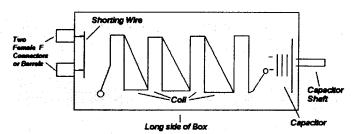
Can you easily make a tuneable trap for FM or TV? Yes, that's quite possible and doesn't require anything special other than some sort of tuning capacitor, a length of solid copper house wire or small copper tubing (can't use aluminum as you can't solder it easily enough without really-nasty acidic paste) to wind into a coil, some sort of small box for the trap, and a connector on the box to connect it to the antenna cable. Here's how I've done it. Note that the instructions on how to tune the trap at the end can also be used to tune the coaxial trap I described before.

You need a small tuning capacitor of roughly 5 to 50 picofarads (pF). That's not at all critical, but it should have a capacitance range of no less than several picofarads and no more than 50. A cap with 5-20 pF range will work. One that's 1.5-10 pF will also work but it may take you some time to find the required length of wire-coil to make it resonate. I haven't looked lately; but perhaps Radio Shack will have something. If you go to Radio Shack, also get these parts:

- 1. An aluminum "Project Box", about 2" x 3" x 3" or so. Can be larger, shouldn't be much smaller.
- 2. Two female F chassis-mount F connectors. If they don't have those (they'll have tabs on the other side to solder parts to), then a pair of F female barrels will work; you will have to stick a piece of wire inside to make connection but no big deal.
- 3. The capacitor. You MUST be able to tune the capacitor from the outside of the box. One side of this capacitor is going to be grounded to the box, so if you find a tuning capacitor like those in older FM tuners with a shaft that can be mounted to the box, that's fine. Otherwise, if they only have trimmer capacitors that need adjustment tools, you will have to install a solder lug inside the box opposite the end with the two connectors, then solder one lug of the capacitor to the solder lug to ground one side of the capacitor.
- 4. A package of F connectors, and maybe the crimp tool if you don't already have both.

What you are going to do is build the trap inside the box. You will cut your antenna cable about 6 inches from the tuner (can be further away but you should keep it as short as possible) and then install new F connectors on the cut ends. These will plug into the two F female connectors on your trap box. You will wire the center conductors of the two connectors together INSIDE the box which will cause the two cables to make contact again. SO: Begin by installing your two F female connectors on one small side of the box. You will then wind a coil of wire from the house wire and that will connect the two connectors to the capacitor which is at the far end of the box see below:

Tuneable Trap



The two female F conns are sticking out the left side of the box. Inside the box, there's a shorting wire between the center pins of the two connectors which connects them together again. Then there is this coil of wire (which I'll describe shortly) soldered to the shorting wire; the coil of wire extends through the box toward the right side where the tuning capacitor is mounted. Remember: if you must use a trimmer capacitor, you have to install a grounding lug on the right side of the box, then solder one of the capacitor lugs to the solder lug so that one side of the trimmer capacitor is grounded to the box. Then the coil of wire connects to the free end of the capacitor, whether it's a trimmer or one with a shaft on it. If it's a trimmer capacitor, you need to mount it so that you can drill a hole through the box through which you will have to insert a tuning tool so you can tune the capacitor when the box is put back together again.

The Coil: the coil diameter should be about half the size of the box side's shortest dimension. That is, if, when you look at the end of the box and it's 2" by 3", then make your coil diameter about 1-1/2" (roughly 35 to 40 mm diameter). The wire itself should be no smaller than 16 gauge solid copper house wire, although this isn't critical. It can be 10 gauge if that's all you have, but it will be harder to work with. If it's too small, it will be flimsy and can detune if you drop the box on the table. 12 or 14 gauge is ideal.

NOW: find something to use as a coil form, like a pill bottle or a large socket wrench... something just a bit smaller in diameter than the desired coil diameter. Then start winding a coil around the form. Wind about 10 turns or so. When you take it off the coil former, the wire will spring out in diameter a bit; that's OK and not critical.

Now, make straight ends on each end of your 10-turn coil, about 1 inch to ½ inch long (roughly 2cm to 1cm). On end will be soldered to the shorting wire between the two connectors, the other end will be soldered to your tuning capacitor. Install the coil.

TESTING AND TUNING: For now, you can leave the box top off until you find out that everything works. The easiest way for you to test the tuning range of your new trap is to connect it between your outside antenna and your TV set. Set your TV set to some convenient channel such as 4, 5 or 6. Then tune the capacitor. You should find at least one, and hopefully two, tuning spots on the capacitor where the picture or sound will drop way down. Let's assume you find TWO such tuning spots, and your capacitor has plates in it that mesh so you can see the capacitor at work. As the plates mesh, the capacitance INCREASES, and the trap is tuned to a LOWER frequency. So, if you have the TV on channel 5 let's say, and you tune the capacitor for a weak picture or sound, look at the capacitor plates. Now, set the TV for the next higher channel, and tune the capacitor slowly so the plates become further UNMESHED; you should find a tuning spot where the higher channel drops out. Notice that you can tune the capacitor in two places where the plates are unmeshed the same amount and where the trap kills the picture; either of these two spots is good, there's no difference between them. Try channel 6 now, which is just below the FM band. Let's say that the capacitor does not tune the trap high enough in frequency; it will only kill, let's say, up to channel 4. What you need to do is to reduce the size of the coil. Start off by taking off one turn at a time and try retuning again.

BE CAREFUL: if you make the coil TOO small, then your trap could resonate up ABOVE the FM band, and BELOW TV channel 7, and you would not be able to tell unless you have some sort of broadband receiver that covers 108 to 172 MHz. Even then, you wouldn't be able to tell unless you have somebody transmitting, so you can trap them out.

When you have the trap working well, then you should find that it will kill the picture of one channel, and the picture of the adjacent two channels should hardly be affected if any at all. If the trap is really-well built and very narrow, you will even be able to trap out the picture of a channel and still hear its audio, which is 4.5 MHz higher in frequency. Unfortunately, however, the audio of the next LOWER channel is just 1.5 MHz LOWER in frequency than the picture of the next-higher channel and this trap probably will not be narrow enough to avoid trapping out that lower-channel audio. But you may be able to tune the trap so it reduces the picture or audio of one channel enough and not the audio or picture of another channel.

Translated to the FM broadcast band, all the above means that while this trap will kill several MHz wherever it is tuned, it should be narrow enough not to affect the rest of the band. For 88.3 MHz, you may be able to offset-tune the trap slightly below the band (the capacitor plates are meshed more) which will reduce its attenuation in the higher part of the band.

If you want to play around, you can try increasing or reducing the number of turns or even the diameter of the coil while retuning the capacitor. It turns out that the smaller the capacitor is (in capacitance, not necessarily physical size) and the larger the coil is (in inductance and, to a limited extent, physical size until the coil wire comes close to the sides of the box), then the sharper the trap will be. You can try fine-tuning the trap by stretching or compressing the turns of the coil while retuning the capacitor. The absolute sharpest trap will be obtained when there is NO capacitor at all inside the box, just the coil itself. Unfortunately, however, this could turn out to be TOO sharp and you will have trouble tuning the coil exactly where you want it, or it will be unstable and change tuning when the box is moved around.

The last step is to put the box cover on, bolt it together, then fine-tune the capacitor again.

Reprinted with permission from a WTFDA List post by KoU Steve Harrison A blank email sent to WTFDA-subscribe@topica.com gets you there!

Eastern TV-DX

May 2000

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

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

Another short column this month, but hopefully the recent Aurora noted here in Nebraska was seen by others, and will be reported. Don't forget to check often for E-skip! Let's hope for a great year, as I think we all could use a little more DX!

Roy Barstow, P.O. Box 2488, East Falmouth, MA 02536

Equipment: B/T, L/B, antenna end fired on shed, cut ch. 5-6 10-element antenna, cut ch. 2-3 10-element antenna on doghouse, B/T L/B ant. on tripod. Last 3 antennas in garden 4-7' high for M.S. work. (Roy, does B/T mean Blonder/Tongue? L/B is Lo-Band? -mcs)

1/6/2	2000 MS				0620 WESH-2 FL Daytona Beach 1059
0435	CFCL2-2	ON	Kearns	628	2/19 MS
0455	WGBH-2	MA	Boston	59	0402 CFAP-2 PQ Quebec 361
	(3/4 CB:	WGB	H/X TV BOSTON)		(TQS in upper left with schedule)
1/7 N	íS				0518 CIII2-2 ON Bancroft 408
0234	WJBK-2	MI	Detroit	649	(3/4 CB with 'Global')
1/16	MS				3/1 MS
0114	WBAY-2	WI	Green Bay	898	0250 CKCW-2 NB Moncton 412
1/24	MS		-		(3/4 CB w/ATV backscatter)
0459	WUND-2	NC	Columbia	500	0445 unID-2 ON CKCO2 or CHBX
0459	WCBD-2	SC	Charleston	.777	(3/4 CB, CTV in lower right)
	(above to	40 1	ogged in same bur:	st)	3/6 MS
2/1 N			33		0240 CFAP-2 PQ Quebec 361
0610	WYFF-4	SC	Greenville	787	0330 CIII2-2 ON Bancroft 408
0610	WSB-2	GΆ	Atlanta	923	3/7 TR
	(above to	1 0 1	ogged in same bur:	st)	1920 WLIG-LP-54 NY Mineola 130
2323	WKRN-2	TN	Nashville	951	1930 W45??-45 VA WAVY-10 xltr. 460
2/2 M	1S				1955 WJHJ-LP-19 VA Williamsburg 465
0550	WRC-4	DC	Washington	387	2000 WEWE-LP-24 DE Sussex County 300
0657	WTAE-4	PA	Pittsburgh	488	(also on card WBLP-14 and WLWP-4)
1815	WTWO-2	IN	Terre Haute	895	2000 to 2130 many Eastern VA LPs
2/4 N	នេ				3/11 MS
2330	WDTN-2	ОН	Dayton	726	0544 WGRZ-2 NY Buffalo 417
2/7 N	ıs		_		(large logo/calls)
0137	WUNC-4	NC	Chapel Hill	607	3/13 MS
0505	WTMJ-4	WI	Milwaukee	635	2302 WSB-2 GA Atlanta 923
2/8 M	IS				2305 WDTN-2 OH Dayton 726
0245	CFCL2-2	ON	Kearns	628	3/14 MS
0620	WAGA-5	GA	Atlanta	921	0510 CFAP-2 PQ Quebec 361
2/9 M	<u>1S</u>				0637 WSJK-2 TN Sneedville 763
0315	WUND-2	NC	Columbia	500	0637 WMAR-2 MD Baltimore 354
0547	WSJK-2	TN	Sneedville	763	(above two mixing, same burst)
	(their lo	ogo	is a 2 over a 15)		3/15 TR
2/14	MS				0130 Eastern VA stations
0540	WFMY-2	NC	Greensboro	635	0130 WYDO-14 NC Greenville 562
0547	WSJK-2	TN	Sneedville	763	0130 WNCN-17 NC Goldsboro 592
					0130 WUNM-19 NC Jacksonville 577
2/18					0130 WRAY-30 NC Wilson 585
0528	WSB-2	GA	Atlanta	923	0330 WLFL-22 NC Raleigh 600
22					continued on page 25

WESTERN TV-DX

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

John Ebeling, 9209 Vincent Ave S, Bloomington, MN

It is again time for my annual Barbados report. I seems to be TES mode again, and is like aurora but always a mess with no real possibility of ID. Besides, I don't speak Spanish. Reception, as always, from the south coast of Barbados near Oistins. Times are Barbados (1 Hr ahead of EST).

1/29/00	22:45 Ch 2-4 Spanish audio Fading out @
	23:55
1/30/00	00:05 Nothing-
1/31/00	16:35 Nothing 17:35 -00:30 Ch 2&4
	21:00 Ch 2&4, fading by 22:30
2/2/00	18:15 Nil 22:00 Ch 2&4
2/3/00	20:38 Weak 2, better 4 until 22:55 fade ou
2/4/00	22:45 Ch 2-4, gone at 00:10
2/5/00	Nothing @ 15:50 or 23:12
2/6/00	19:10 nil, 19:17 Ch 4 active, 2 nil.
	22:55 Ch 2&4
	23:00 FM active to 107.7 & still active @
	23:40
2/7/00	20:00 & 23:30 Nil
2/8/00	22:00 & 23:20 Nil
2/9/00	19:00 Nil @23:10 Ch2&4 weak
2/10/00	18:00 Nil @ 20:40 Ch 2& 4 weak:
	FM to 101.7 Faded out @ 22:30
2/11/00	Left the Island. End of report.
	•

This year seemed to be down as far as skip is concerned. It was not as intense as I recall from previous years. Same old Samsung set with rabbit ears used for DX.

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

This report is for March 2000. This month continued the steadily unsettled weather from Feb 16 to Mar 8, with no tropo Feb 16 to Mar 10. Even then, the fair-weather stable-air tropo which followed from Mar 10 on was not up to summer levels.

Southern CA coastal tr, Santa Barbara to San Diego/ Tijuana TV/FM 200 mi/315 km Mar 1-10am: None (Rainy Mar 1-8 continuing from

	Feb 16 & 20-29)
Mar 12 eve:	
Mar 13 am:	Very poor
	Fair (including slight ch-3 CCI)
Mar 14 am:	
Mar 14 nite	

Mar 15-19: Variably poor/very poor (Then, windy

Mar 19-20 nights) Mar 20-21: None

Mar 22-27: Steadily very poor

Mar 28-29: None Mar 30-: Very poor

Mar 31: Fair/poor (am ch-49 CCI), deteriorating to none eve:

Best of DX to all. Dennis

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.

March	1				
0530	KADN	15	LA	Lafayette	586
0600	WVLA		LA		633
	KVHP	29	LA	Lake Charles	530
0630	KLPB	24	LA	Lafayette	567
TSLD:	LA(4)			•	
FTD:			LA	Baton Rouge	633
March	2			•	
2030	WLAE	32	LA	New Orleans	694
2100	WNOL	38	LA	New Orleans	694
	WGNO	26	LA	New Orleans	694
TSLD:	LA(4)				
FTD:			LA	New Orleans	694
March	6				
0400	KXTX	39	TX	Dallas	518
TSLD:	TX(1)	•			
FTD:			TΧ	Dallas	518
March	7				
2200	WPXL	49	LA	New Orleans	688
TSLD:	LA(6)				
FTD:			LA	New Orleans	694
March	8				
TSLD:	LA(1)				
FTD:			LA	Lafayette	586
March	9			•	
2330	WMAH	19	MS	Biloxi	770
TSLD:	LA(5),MS(1),TX	(1)		
FTD:			MS	Biloxi	770
March	10				
0000	WUPL	54	LA	Slidell	705
TSLD:	LA(7),MS(1)			
FTD:			MS	Biloxi	770
March	12				
0900	WBHS	50	FL	Tampa	1116
				*	

						I	WAPT	16	MC	Jackson		754
Wes	tern T\	/ D	X F	. Garcia's report con	tinues		KLAF-LP			Opelousas		600
	WTTA	28	EI	St. Petersburg	1116		K61GO			Hicks		581
	WMOR		FL	Lakeland	1135		K47DW			Alexandria		611
0915	WOPX			Melboume	1189		K67GL			Bunkie		614
2100	WTVK		. –	Naples	1153		K58FI	58	LA	Lake Charles		530
2.00	WZVN		FL	Naples	1153		K56DR	56	LA	Baton Rouge		633
2115	WSCV		FL	Fort Lauderdale	1242		WGMB			Baton Rouge		633
TSLD:	FL(7)						WGBC			Meridian		834
FTD:	` '		FL	Fort Lauderdale	1242		KLPA			Alexandria		619
TSLD:	TX(1)						K69HD			Church Point		586
FTD:			TΧ	Dallas	518	0730	K46CR			Baton Rouge		645
March	16						AL(1),FL(4),LA				
TSLD:	LA(8)					FTD:	•		FL	Tallahassee	1031	
FTD:			LA	New Orleans	694	March			/O\ B	10(4) TV(4)		
March				.		FTD:	AL(2),FL(2),LA		/IS(1),TX(1) Tampa		1116
	XHMNL	28	NL	Southeast	??	March	25		FL	rampa		1110
TSLD:	LA(2)			N Od	004	0030	WAFB	9	Ι Δ	Baton Rouge		638
FTD:			LA	New Orleans	694	0030	WLOX	-		Biloxi		762
March				0	4440	0100	K55HA			New Iberia		596
1800	WFTX			Cape Coral	1142	0100	WXXV			Gulfport		764
1830	WBZL	-		Miami	1243	0500	KDFI			Dallas		518
1900	WGCU			Fort Myers	1144 1144	0000	KDAF			Dallas		518
	WBBH			Fort Myers Tice	1144	1	KSTR		TX	Irving		518
4000	WRXY				638		KFWD			Fort Worth		522
1930	WLPB			Baton Rouge Mobile	838		KLDT			Lake Dallas		544
2030	WPMI WMPV			Mobile	842		KDTX			Dallas		518
2130	WPAN			F. Walton Beach	869		KPXD			Arlington		518
2130	WEIQ			Mobile	825 -		KTXA			Fort Worth		518
	WFSG			Panama City	929	0600	KMPX			Decatur		537
	*** 00		, _	i anama ony								
TSI D	AI (2) FI (1		A(R)	•		TSLD:	AL(3),FL(3			MS(4),TX(10)		
	AL(2),FL(1			Miami	1243	TSLD:	AL(3),FL(3		(21)	MS(4),TX(10) Panama City		929
FTD:				Miami	1243				(21)			929
	22	2),L	FL		1243 688	FTD:	26		(21)			929
FTD: March 0100	22 WHNO	2),L 20	FL	Miami New Orleans Cocoa		FTD: March	26		(21), FL			929 586
FTD: March	22	2),L 20 52	FL	New Orleans Cocoa	688	FTD: March TSLD:	26 LA(1)		(21), FL	Panama City		
FTD: March 0100 0130	22 WHNO WTGL	2),L 20 52 33	FL LA FL FL	New Orleans Cocoa	688 1200	FTD: March TSLD: FTD: March	26 LA(1)),LA	(21) FL LA	Panama City Lafayette		586
FTD: March 0100 0130	22 WHNO WTGL WHBR	2),L 20 52 33 59	FL LA FL FL LA	New Orleans Cocoa Pensacola	688 1200 838	FTD: March TSLD: FTD: March	26 LA(1)),LA	(21) FL LA	Panama City		
FTD: March 0100 0130 0300	22 WHNO WTGL WHBR K59DG	2),L 20 52 33 59 29	FL LA FL LA FL	New Orleans Cocoa Pensacola New Orleans	688 1200 838 688	FTD: March TSLD: FTD: March TSLD:	26 LA(1) 27 LA(7),TX(3),LA	(21) FL LA	Panama City Lafayette		586
FTD: March 0100 0130 0300	WHNO WTGL WHBR K59DG WFLX	20, L 52 33 59 29 42	FL LA FL LA FL FL	New Orleans Cocoa Pensacola New Orleans West Palm Beach	688 1200 838 688 1238	FTD: March TSLD: FTD: March TSLD: FTD:	26 LA(1) 27 LA(7),TX(3 28 KFXK),LA)) 51	(21) FL LA LA TX	Panama City Lafayette New Orleans Longview		586 694 557
FTD: March 0100 0130 0300	WHNO WTGL WHBR K59DG WFLX WXEL	2),L 20 52 33 59 29 42 16	FL LA FL LA FL FL FL	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach	688 1200 838 688 1238 1238	FTD: March TSLD: FTD: March TSLD: FTD: March 0530	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK),LA) 51 56	(21) FL LA LA TX TX	Panama City Lafayette New Orleans Longview Jacksonville		586 694 557 532
FTD: March 0100 0130 0300 0330 0600 2030 2100	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF	20, L 52 33 59 29 42 16 62 66	FL LA FL	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton	688 1200 838 688 1238 1238 1116 1107	FTD: March TSLD: FTD: March TSLD: FTD: March 0530	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG),LA 51 56 46	(21) FL LA LA TX TX LA	Panama City Lafayette New Orleans Longview Jacksonville Lafayette		586 694 557 532 587
March 0100 0130 0300 0330 0600 2030	WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV	20, L 52 33 59 29 42 16 62 66	FL LA FL	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice	688 1200 838 688 1238 1238 1116 1107	FTD: March TSLD: FTD: March TSLD: FTD: March 0530	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK KETK K46DG WFXL	51 56 46 31	(21) FL LA LA TX TX LA GA	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany		586 694 557 532 587 1066
FTD: March 0100 0130 0300 0330 0600 2030 2100	WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX	20, L 20 52 33 59 29 42 16 62 66 58 49	FL AFLAFLELLA	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia	688 1200 838 688 1238 1238 1116 1107 1115 897 596	FTD: March TSLD: FTD: March TSLD: FTD: March 0530	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS	51 56 46 31 30	(21) FL LA LA TXTLAGA FL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville		586 694 557 532 587 1066 1179
March 0100 0130 0300 0330 0600 2030 2100 2130	WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD	20, L 20 52 33 59 29 42 16 62 66 58 49 27	FL LAFILLAFIFFEFFFFFFFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Watton Beach New Iberia Tallahassee	688 1200 838 688 1238 1116 1107 1115 897 596 1031	FTD: March TSLD: FTD: March TSLD: FTD: March 0530	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV	51 56 46 31 30 47	(21) FL LA TX TX LA GA FL FL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville		586 694 557 532 587 1066 1179 1179
March 0100 0130 0300 0330 0600 2030 2100 2130	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM	20,L 20 52 33 59 29 42 16 62 66 58 49 27	FL AFLER FLER FLAFLA	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma	688 1200 838 688 1238 1238 1116 1107 1115 897 596 1031 644	FTD: March TSLD: FTD: March TSLD: FTD: March 0530 0630 2000	26 LA(1) 27 LA(7),TX(3 KFXK KETK K46DG WFXL WAWS WTEV WJEB	51 56 46 31 30 47	(21) FL LA LA TX TX GA FL FL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville		586 694 557 532 587 1066 1179 1179
March 0100 0130 0300 0330 0600 2030 2100 2130	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP	2),L 20 52 33 59 29 42 16 62 66 58 49 27 30 39	FL AFFLAFFFFFFFFFAFA	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City	688 1200 838 688 1238 1238 1116 1107 1115 897 596 1031 644 618	FTD: March TSLD: FTD: March TSLD: FTD: March 0530 0630 2000	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF	51 56 46 31 30 47 59 43	(21) FL LA LA TXTLA GFL FL FL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Melbourne		586 694 557 532 587 1066 1179 1179 1180 1200
March 0100 0130 0300 0330 0600 2030 2100 2130	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP	2),L 20 52 33 59 29 42 66 58 49 27 30 39 46	FL AFFLAFFLFFFFFFFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Hoogan City Panama City	688 1200 838 688 1238 1116 1107 1115 897 596 1031 644 618 934	FTD: March TSLD: FTD: March TSLD: FTD: March 0530 0630 2000	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX	51 56 46 31 30 47 59 43 55	(21). FL LA TXTLAGFLLFL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg		586 694 557 532 587 1066 1179 1180 1200 1180
March 0100 0130 0300 0330 0600 2030 2100 2130	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE	2),L 20 52 33 59 29 42 66 58 49 27 30 46 23	FL AFFLAFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Panama City Pensacola	688 1200 838 688 1238 1238 1116 1107 1115 897 596 1031 644 618 934 857	FTD: March TSLD: FTD: March TSLD: FTD: March 0530 0630 2000	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL	51 56 46 31 30 47 59 43 55 53	(21). FL LA TXTLAGELFLEFLEFL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs		586 694 557 532 587 1066 1179 1180 1200 1180 1112
FTD: March 0100 0130 0300 0330 0600 2100 2130 2200	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX	2),L 20 52 33 59 29 42 16 62 66 58 49 27 30 46 23 35	FL WELLER FLET FLORING FLET	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Pensacola F. Walton Beach	688 1200 838 688 1238 1116 1107 1115 897 596 1031 644 618 934 857 892	FTD: March TSLD: FTD: March TSLD: FTD: March 0530 0630 2000	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF	51 56 46 31 30 47 59 43 55 53 52	(21). FL LA TXTLAGFLFLFLFLAL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Helbourne High Springs Mobile		586 694 557 532 587 1066 1179 1180 1200 1180 1112 818
March 0100 0130 0300 0330 0600 2030 2100 2130	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB	2),L 20 52 33 59 29 42 16 62 66 58 49 27 30 39 46 23 35 13	I WELLETER FLETTER TO THE FEET OF THE FEET	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Pensacola F. Walton Beach Panama City	688 1200 838 688 1238 1138 1116 1107 1115 897 596 1031 644 618 934 857 892 959	FTD: March TSLD: FTD: March TSLD: FTD: March 0530 0630 2000	26 LA(1) 27 LA(7),TX(3 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF	51 56 46 31 30 47 59 43 55 53 52 50	(21). FL A XXXAGALLELELAL	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile		586 694 557 532 587 1066 1179 1180 1200 1180 1112 818 817
FTD: March 0100 01300 03300 0330 2100 2130 2200 2230	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM	2),L 20 52 33 59 29 42 16 62 66 58 49 27 30 46 23 35 13 68	FL AFFLAFLFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Watton Beach New Iberia Tallahassee Houma Morgan City Panama City Pensacola F. Watton Beach Panama City Panama City	688 1200 838 688 1238 1116 1107 1115 897 596 1031 644 618 934 857 892	FTD: March TSLD: FTD: March TSLD: FTD: March 0530 0630 2000	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF WGIQ	51 56 46 31 30 47 55 53 52 50 43	(21). FL A XXXAGFLFFFFAAAA	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile Louisville		586 694 557 532 587 1066 1179 1180 1200 1180 1112 818
FTD: March 0100 0130 0300 0330 0600 2130 2200 2230 TSLD:	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB	2),L 20 52 33 59 29 42 16 62 66 58 49 27 30 46 23 35 13 68	FL AFFLAFLFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Vesterice Bradenton F. Watton Beach New Iberia Tallahassee Hougan Morgan City Pensacola F. Walton Beach Panama City	688 1200 838 688 1238 1116 1117 596 1031 644 618 934 857 892 959	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF WGIQ	51 56 46 31 30 47 55 53 52 50 43	(21) FL A XXXAGFLFLFLALALALA(1)	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile Louisville JLA(16),MS(3),	٠,	586 694 557 532 587 1066 1179 1180 1200 1180 1112 818 817
FTD: March 0100 0130 0300 0330 0600 2130 2200 2130 2200 TSLD: FTD:	WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM AL(3),FL(2	2),L 20 52 33 59 29 42 16 62 66 58 49 27 30 46 23 35 13 68	FL AFFLAFLFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Watton Beach New Iberia Tallahassee Houma Morgan City Panama City Pensacola F. Watton Beach Panama City Panama City	688 1200 838 688 1238 1116 1117 596 1031 644 618 934 857 892 959	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330 TSLD: FTD:	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF W50CF W50CF	51 56 46 31 30 47 55 53 52 50 43	(21) FL A XXXAGFLFLFLALALALA(1)	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile Louisville JLA(16),MS(3),	TX(9) 1200	586 694 557 532 587 1066 1179 1180 1200 1180 1112 818 817
FTD: March 0100 0130 0300 0330 0600 2130 2200 2130 2200 TSLD: FTD: March	WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM AL(3),FL(2	2),L 20 52 33 59 42 16 62 66 58 49 27 30 39 46 23 35 13 68 6),L	FL AFFICHER FLET LA LA FLET FLET A (T)	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Pensacola F. Walton Beach Panama City	688 1200 838 688 1238 1116 1107 1115 897 596 1031 644 618 934 857 892 959 943	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330 TSLD: FTD: March	26 LA(1) 27 LA(7),TX(3) 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF W6IQ AL(6),FL(1)	51 56 46 31 30 47 59 43 55 53 52 6),G	(21). FL A XXXAGFLFFFFAAAA(1)	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile Louisville Louisville LA(16),MS(3), Melbourne	٠,	586 694 557 532 587 1066 1179 1180 1200 1180 1112 818 817 987
FTD: March 0100 0130 0300 0330 0600 2130 2200 2130 2200 TSLD: FTD: March	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM AL(3),FL(2	2),L 20 52 33 59 42 16 62 66 58 49 27 30 35 13 68 6),L	FL AFFIAFFFFFFFFFAFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Pensacola F. Walton Beach Panama City Pensacola F. Walton Beach Panama City Lake Charles	688 1200 838 688 1238 1116 1117 596 1031 644 618 934 857 892 959	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330 TSLD: FTD:	26 LA(1) 27 LA(7),TX(3 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF WGIQ AL(6),FL(1) 29 WRBW	51 56 46 31 30 47 59 43 55 53 52 6),G	(21). FLA XXXAGFLFFFFFAAAA(1).	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Louisville Louisville Louisville LA(16),MS(3), Melbourne Orlando	٠,	586 694 557 532 587 1066 1179 1180 1200 1180 1110 818 817 987
PTD: March 0100 01300 03300 0330 2100 2130 2200 TSLD FTD: March 0530	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM AL(3),FL(2	2),L 20 52 33 59 29 42 16 62 66 58 49 27 30 39 46 23 35 13 68,L	FL AFFICE FEET FLAT A SEE THE AFFI	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Panama City Pensacola F. Walton Beach Panama City Panama City Panama City Panama City Panama City Panama City Lake Charles Northwest	688 1200 838 688 1238 1238 1116 1107 1115 897 596 1031 644 618 934 857 892 959 943 238	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330 TSLD: FTD: March	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF WGIQ AL(6),FL(1 29 WRBW WKCF	51 56 46 31 30 47 59 43 55 52 43 6),G	(21) LA LA TXTLAGELELELELELELELELELELELELELELELELELELE	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile Louisville Mobile Louisville ,LA(16),MS(3), Melbourne Orlando Clermont	٠,	586 694 557 532 587 1066 1179 1180 1200 1180 1112 818 817 987
FTD: March 0100 0130 0300 0330 0600 2130 2200 2130 2200 TSLD: FTD: March	22 WHNO WTGL WHBR K59DG WFLX WSEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM AL(3),FL(2 23 KLTL XHMNL WMAU	2),L 20 52 33 59 42 16 62 66 58 49 27 30 39 46 23 35 13 68 6),L	FL AFFLAFIFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Panama City Pensacola F. Walton Beach Panama City NS(1) West Palm Beach1 Lake Charles Northwest Bude	688 1200 838 688 1238 1116 1107 1115 897 596 1031 644 618 934 857 892 959 943 238	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330 TSLD: FTD: March	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF WGIQ AL(6),FL(1 29 WRBW WKCF WFTS-DT	51 56 46 31 30 47 59 43 55 52 43 6),G	(21). FL A XXXAALLELELELALA(A). FFFF	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile Louisville JLA(16),MS(3), Melbourne Orlando Clermont Tampa	٠,	586 694 557 532 587 1066 1179 1180 1180 11112 818 817 987
PTD: March 0100 0130 0300 0330 0600 2130 2200 2130 2200 TSLD: FTD: March 0530 0630	22 WHNO WTGL WHBR K59DG WFLX WXEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM AL(3),FL(2 23 KLTL XHMNL WMAU K66FI	2),L 20 52 33 59 42 16 62 66 58 49 27 30 39 46 23 31 66),L 18 28 17 66	FL AFFLAFIFIFIFIFIA FLAFF AND A	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Watton Beach New Iberia Tallahassee Houma Morgan City Pensacola F. Walton Beach Panama City Pensama City Pensama City Panama City Panama City Lake Charles Northwest Bude Opelousas	688 1200 838 688 1238 1116 1107 1115 897 596 1031 644 618 934 857 892 959 943 238 548	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330 TSLD: FTD: March 0000	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF W50QA L(6),FL(1 29 WRBW WKCF WFTS-DT WJWB	51 56 46 31 30 47 59 43 55 53 52 50 43 6),G	(21). LA XXXAGELELELELELALA(A). FEFFE	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Louisville Jacksonville Mobile Louisville Jacksonville Orlando Clermont Tampa Jacksonville	٠,	586 694 557 532 587 1066 1179 1180 1200 1180 1112 818 817 987
PTD: March 0100 0130 0300 0330 0600 2130 2200 2130 2200 TSLD: FTD: March 0530 0630	22 WHNO WTGL WHBR K59DG WFLX WSEL WUSF WBSV WXPX WAWD K49DE WTXL K30EM KWBJ-LP WPCT WSRE WFGX WMBB W68CM AL(3),FL(2 23 KLTL XHMNL WMAU	2),L 20 52 33 59 42 16 62 66 58 49 27 30 39 46 23 31 66),L 18 28 17 66	FL AFFLAFIFIFIFIFIA FLAFF AND A	New Orleans Cocoa Pensacola New Orleans West Palm Beach West Palm Beach Tampa Venice Bradenton F. Walton Beach New Iberia Tallahassee Houma Morgan City Panama City Pensacola F. Walton Beach Panama City NS(1) West Palm Beach1 Lake Charles Northwest Bude	688 1200 838 688 1238 1116 1107 1115 897 596 1031 644 618 934 857 892 959 943 238	FTD: March TSLD: FTD: March 0530 0630 2000 2130 2330 TSLD: FTD: March	26 LA(1) 27 LA(7),TX(3 28 KFXK KETK K46DG WFXL WAWS WTEV WJEB WBSF WACX WGFL W52BF W50CF WGIQ AL(6),FL(1 29 WRBW WKCF WFTS-DT	51 56 46 31 30 477 59 43 55 53 52 50 43 6),G 65 18 129 17 14	(21). FL A XXXAGELELELELALA(1).	Panama City Lafayette New Orleans Longview Jacksonville Lafayette Albany Jacksonville Jacksonville Jacksonville Melbourne Leesburg High Springs Mobile Mobile Louisville JLA(16),MS(3), Melbourne Orlando Clermont Tampa	٠,	586 694 557 532 587 1066 1179 1180 1180 11112 818 817 987

Wes	tern TV	אם	F. 6	iarcia's report conclu	des	0430	WBCC		-	Cocoa	1200
•						0530	WMFE		-	Orlando DEG AT 6 AM	1191
	WOGX				1163	TOL 0.					
	WJXX			Orange Park			AL(8),FL(4	b),G		,LA(22),MS(6),SC(1)	
	WPGX			Panama City	952	FTD:			rŁ	West Palm Beach	1238
	WYES		LA		693	March				-	
0100	W31BB	-	FL		855		XHMNL	29	NL.	Southeast	??
	W36AC	-		Mccomb	710		LA(11)				
	WDHN		AL		982	FTD:			LA	New Orleans	694
0130	WWSB		FL		1108	March		_			
	WOFL		FL		1191	0430	KPLC			Lake Charles	548
0230	W69AY		. –	Alachua	1128		KATC	3		Lafayette	566
				Taliahassee	1025	2030	XHMNL		—	Southeast	??
	WSST			Cordele	1081		AL(3),FL(4),LA		,MS(4),TX(3)	
				Hammond	682	FTD:			FL	Tampa	1116
	Shop at H	ome	e, Th	anks to Jeff Kruszka	for						
	confirming					Best month of March with 8 days to 1,000 miles tropo					s tropo.
	WTGS	28	SC	Hardeeville	1222						
	WJTC	44	FL	Pensacola	842	Local	State gover	nme	ent T	V station XHMNL-2	8 is
0300	K57HD	57	LA	New Orleans	687		_			ral locations statewid	
	W36AJ	36	FL	Jacksonville	1175		-			of them. Project is to	
	WVEA-LP	61	FL	Tampa	1104	, ,	•	CLC	iist C	i mem. I roject is to t	130 0113
	W60BK	60	FL	St. Petersburg	1093		, and 29.				
	WVEN-LP	63	FL	Orlando	1171	73's	_				
	W51CU	51	MS	Pascagoula TBN	783	Fernar	ndo				
	WRBM-LF	460	ΑL	Prichard ACN -Sho	р						

Eastern TV-DX, May 2000 continued	from pag	age 22 page	: 2
0330 WRAZ-50 NC Raleigh	585	1 3/23 TR	
0500 WRPX-47 NC Rocky Mount			300
3/17 MS			562
0245 CIII4-4 ON Owen Sound	511	2030 WFXZ-35 NC Jacksonville 5	570
(3/4CB,Global crescent moon	logo)	2030 WUNM-19 NC Jacksonville 5	577
0325 CJCB-4 NS Sydney	605	2330 WUNJ-39 NC Wilmington	660
(3/4 CB ATV-CTV in lower ric	ght)		

At times running 3 or 4 tapes per night for MS. VCR clocks can vary up to 6 or so minutes at the end of a 6 hour tape. Also 600 feet of VCR tape will stretch. With 3 Sharp VCRs and Radio Shack best tapes, time at the end of a 6 hour tape off, plus or minus 5-10 seconds. I can deal with that. This way I can compare a channel 2 burst with same burst on channel 4. If the channel 2 station ID known, then most likely channel 4 from same area.

All things being equal, the cut channel 2-3 10-element antenna (is) better than the B/T channel 2-6 8-element antenna. The cut channel 2-3 antenna gave me consistently stronger and longer hits. With the cut channel 2-3 aimed southwest I can cancel WGBH-2 Boston completely at 59 miles to black snow. This black snow or screen due to mixing of WCBS-2 New York and WGBH-2, pure conjecture, hi. With this channel 2-3 cut antenna at 20 degrees raised in the front (cement block under doghouse) on 9 out of 10 consecutive nights taped, CFAP-2 PQ (was) on tapes. When I took out cement block and antenna level, CFAP-2 PQ only on 1 tape out of 10 consecutive nights' tapes. MS total 72.

That's it for this month... seeing any good TV DX? Why not share it with everyone... send a report! 73s, Matt.

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

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

May 2000



Harmon Kardon Citation-23, Yamaha T-70, Archer 10 element FM yagi @ 14' AGL, 20 db FM amp

12/8 Tr 2125 WBPP 104.9 VA Strasburg, k, "Apple Country" 12/9 Tr 0110 WRAL 101.5 NC Raleigh, rm, "Mix 101.5" 0124 WVAO 102.3 VA Crozet, o, "Oldies 102.3" 12/13 Tr 2050 unID 93.5 ?? ??, w/Delilah, rm

0800 WCHA 94.3 PA Greencastle, k, "Kiss Country,"

WFBR off 12/19 Tr 0500 WTLR 89.9 PA State College, g, s/on

12/14 Tr

2000 unID 96.7 ?? ??, really old k, thru WCEI 1/18 Tr 2202 WXVA 98.3 WV Charles Town, k

1/30 Tr 1300 W219BZ 91.7 DE Lewes, g, WYFG ID (WRTX

and WMPH off) 2/9 Tr 2206 WVOR 100.5 NY Rochester, rm

2/12 Tr 2325 WJSAt 96.3 PA Jersey Shore, g (WHUR off) 2/23 Tr

1000 WOSR 91.7 NY Middletown, c, WAMC calls. (WMPH off)

2/25 Gw (WMPH off) 1800 WCUR 91.7 PA West Chester p 1802 WKDU 91.7 PA Philadelphia, reggae 3/9 Tr 0945 CT Reloas 3/11 Tr 1950 WAGO 88.7 NC Snow Hill, a 3/22 Tr (w/new AB phase box) 2150 WWW 97.5 VA Charlottesville, r 2210 WFRB 105.3 MD Frostburg, k 2312 WVAO 102.3 VA Crozet, o



From the Editor

'Tis the season.....for FM DXing, that is! Hopefully you've all had at least one good opening by now. Be sure to send along a report with your catches ASAPI

And remember to check out FM DX Web. You'll find lots of great resources to help you identify stations plus alerts for when conditions are good for FM DXing.

See y'all next month!



http://members.aol.com/fmdxweb

Frustrated by the interference that plagued his TV viewing every Spring. Elbert turned the confounded thing off and decided to listen to some relaxing music on his expensive new FM radio tuner. Shortly after that, he sufferered a mysterious nervous breakdown...





DUMONT ----THE MAN AND THE NETWORK

(Thanks to Frank Aden of Boise, ID for the test pattern scan and the WABD ad from a 1953 TV Guide)

Allen B. DuMont (1901-1965) was a brilliant inventor, television manufacturer and broadcaster. Early in his long and productive career he was Chief Engineer of the DeForest Radio Company.

After leaving DeForest in 1931, he started his own company which, among other electronic accomplishments, developed better cathode-ray tubes. improving the picture size, reliability and operating life of what became the television picture tube.

In 1938, Paramount Pictures invested in DuMont's firm, allowing him to expand its television research and begin manufacturing receivers and broadcasting TV programs.

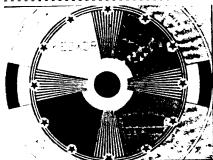
Allen B. DuMont Laboratories became a major source of competition for RCA. offering a set with a 14" screen in 1938. while RCA was only able to release a 12" set a few months later.

DuMont appeared frequently before the FCC. He opposed the CBS fieldsequential color system and later, he campaigned to prevent the mixing of VHF and UHF channels in the same broadcast areas.

Immediately after World War II, DuMont took the lead in developing larger and larger direct-view tubes (up to 30" in size).

Many of the favorite shows of the late forties and early fifties, such as Jackie Gleason, Ted Mack's Amateur Hour, Captian Video, and Bishop Sheen appeared on DuMont's television network.

Long before Fox had been conceived. the original "fourth network" went off the air in 1955. It was inaugurated in 1946.



Careful inspection of this early DuMont color test pattern reveals the color which appeared in each quadrant. Those call letters are a mystery. Can anyone help?



WABD, channel 5 TELEVISION NETWORK

Introduction

Special Report From The VHF Committee. Radio Society of Great Britain (RSGB)

The recent announcement of the Brendan trophies for successful two-way transatlantic communication on 144 MHz coupled with the proposal of beacons to support investigation of the relevant propagation modes has prompted an interest transatlantic VHF communication. These notes are intended to underline some of the problems and possibilities. The interested reader will find further information and references in an article by G3NAO in the June 1995 issue of Radio Communication (ISSN 0033-7803). This article, however, has little to say about likely signal

Geometry

The basic geometry of the least distance transatlantic paths from the north west corner of Ireland to Newfoundland requires that a distance of about 3100 km be covered. Assuming an Earth radius of 6400 km, the path subtends an angle of 27.7° at the centre of the Earth and, more importantly, the intersection of two tangential rays is at a height of 192 km. The slant range from the ground stations to the mid-path point is 1578 km. Using the station assumptions below, free-space path loss would give a received signal level of -80 dBw (about 100 dB above noise level) for two stations 3100 km apart.

Readers may object that we should use a 4/3 Earth radius figure in the above calculation. The 4/3 Earth radius is widely used in VHF Propagation calculations to reflect the normal bending of radio waves by refractive index gradients in the lower parts of the atmosphere (up to a height of some 20 km), it is clearly not applicable to distances such as those being considered here.

Basic Mechanisms

There are three basic ways a radio wave can be "bent" so providing communication between two stations that are not "line-of-sight". These are.

- 1. Diffraction
- 2. Reflection/Scattering
- 3. Refraction

Diffraction is only significant for obstacles whose size is of the order of a few wavelengths at most and need not be considered further. Reflection or scattering modes include mechanisms such as meteor scatter, aurora and, probably, sporadic-E. Refraction includes tropospheric ducting, F-layer propagation and, perhaps surprisingly, tropospheric scatter.

Scattering

The basic properties of scattering are described by the radar equation

$$P_R = \frac{P_T G_T S A}{\left(4\pi\right)^2 R^4}$$

Where

Is the received power in W

Is the transmitted power in W

Is the transmitter aerial gain (isotropic)

Is the receiver capture area in m²

Is the scattering area in m²

Is the distance to the scattering region in metres.

We'll use this formula to deduce the required scattering area for the path described earlier. This requires re-arranging the formula thus.

$$S = \frac{P_R R^4 16 \pi^2}{P_T G_T A}$$

For a typical high performance VHF station the following figures will be used

-185 dBW (= 3.2 × 10-19 Watts) This corresponds to the noise power at 230° K in a bandwidth of 100 Hz.

1000 Watts. RF at the aerial!

40 (=16dBi). This is gain over isotropic.

30 (=20dBi)

Plugging the above numbers into the re-arranged radar equation indicates a required scattering area of 261 m². It is important to realise what this means. If an object of this size where positioned 192 km above the mid-path point and if that object reflected all the incident radiation (i.e. had an albedo of 1) isotropically then communication at a S+N/N of 3dB would be possible by reflection off the object in question. A sphere of radius about 9m would suffice. It is difficult to conceive of an object with the described properties, it is even harder to imagine what it would be doing 192 km above the Atlantic Ocean.

Another possibility to be considered is specular (mirror-like) reflection of signals from suitable objects which have to have large flat surfaces suitably aligned. The solar power panels of an artificial satellite might be suitable. The main difficulty here is that the orientation of the flat surfaces have to be correct. It is possible to get some idea of the probability of such a "glint". Imagining the reflector positioned at the centre of sphere with diameter equal to the path length, it is necessary to determine the probability that the image of the source shall fall on a particular part of the interior surface of the sphere, or equivalently that the target point lie within the image area. If the reflector area is 100 m² then the image area is 400 m², however the sphere centred on the reflector has a radius of 1578 km giving a surface area of 3.129 & times 10¹³ m², assuming all parts of the sphere are equally likely to be illuminated this gives a probability of 1.28 × 10-11 that any particular

Transatiantic Propagation

point is illuminated. This translates to about 1.1 & times 10⁻⁶ seconds a day. So assuming that the reflecting object is tumbling randomly in space the possibility of such a glint, for which free space path loss would apply, is extremely low and most unlikely to provide a useful communication mechanism.

Natural reflecting/scattering objects occuring high in the atmosphere include meteor trails (100 km), sporadic-E clouds (90-120 km) and auroral curtains (120 km). All these are too low to support single hop transatlantic propagation. There's really nothing but empty space (and a few satellites) at 192 km. Our thoughts must turn to multi-hop propagation modes.

Multi-Hop Scattering

The geometry of the minimal double hop scattering path gives two scattering regions at a height of 47 km with a slant range of 777 km from the ground stations to each object. The height of 47 km is actually too low for most of the scattering objects mentioned earlier, so there is a certain amount "in-hand". This is in accordance with the normal maximum ranges associated with modes such as meteor-scatter and sporadic-E. A scattering object at a height of 100 km gives a maximum single-hop scattering range of about 2200 km.

The application of the radar equation to double hop scattering is slightly complicated. Assuming R is the distance from the transmitter to the first scattering point (or from the receiver to the second scattering point), the power intercepted by the first scattering object (of area S) is given by

$$\frac{PTGTS}{4\pi R^2}$$

This power is re-radiated by the first scattering object with a gain of 1 (i.e. isotropically), free space path loss can be used to calculate the power intercepted by the second scattering object. It is, remembering that the distance between the two scattering objects is 2R.

$$\left[\frac{P_TG_TS}{4\pi R^2}\right] \times \frac{S}{16\pi R^2}$$

Making similar assumptions to the first scattering the power at the receiver is

$$\frac{P\tau G\tau S^2 A}{256\pi^3 R^6}$$

Plugging in the same numbers as previously gives, for a scattering area of 261 m^2 a received power of $4.7 \text{ \× } 10^{-29}$ watts which is likely to be a long way beneath the noise floor.

It is, of course, not difficult to calculate the required scattering area to give a usable signal via double hop scattering. The answer turns out to be 22 × $10^6 \,\mathrm{m}^2$. This might seem a lot but in fact corresponds to a sphere of radius of about 2.6 km which is probably reasonable for a sporadic-E cloud aithough there are suggestions that sporadic-E clouds are rather smaller. Double hop sporadic-E is, of course, a known, but rare, propagation mode on 144 MHz, the record breaking QSO between G3VYF and 4X4IX on June 11th, 1981 was supported by this mode. The distance involved in this QSO was 3540 km, significantly greater than the distances currently 30; considered.

Transatiantic Propagation

There are some practical problems. Since sporadic-E seems only to be predictable in a statistical fashion, the only way to make such a contact is to keep on trying. The importance of monitoring suitably configured beacons is obvious. Although a double hop sporadic-E "opening" is, of course, two single hop sporadic-E openings back-to-back, neither opening is likely to be obvious to operators as they will be to a totally unpopulated mid-ocean area. It might be worthwhile investigating what types of VHF tranmissions are made by aircraft and ships in mid-Atlantic to see whether they could be advantageously monitored.

Double hop meteor scatter seems much less plausible, calculations suggest a really good meteor trail may represent a scattering area of $10^4 \,\mathrm{m}^2$. Even if two trails occurred simultaneously with the correct geometry the signal levels would be too low by at least two orders of magnitude.

It remains to consider auroral reflection (or auroral-E as it now seems to be called). There seems little information about the size or efficiency of the reflecting region, however most authors suggest that long-distance signals are weak which suggests that duoble hop would result in signals well beneath the receiver noise floor. The results of two applications of the multiple Doppler shifts that cause the strange sound of auroral signals would probably be to spread the signals outside any sensible weak signal bandwidth.

Refraction

This includes several interesting modes of propagation. Tropospheric and ionospheric scattering are really refraction from slight irregularities in the refractive index of the troposphere or ionosphere. The statistical properties of such scattering are well known. It is equally well known that there is a maxmimum range reached when the mutually visible scattering region is a region so high as not to support the required variations in refractive index. 3100 km is well outside this range.

Tropospheric "ducting" is another matter altogether. The various reported QSOs from the UK to stations in the Canary Islands are almost certainly supported by this mode and distances over 3000 km have been reported e.g. the July 15th 1988 QSO between GI4KIS and EA8BEX reported in the October 1988 issue of Radio Communication. This clearly suggests that a suitably positioned weather system could support a transatlantic QSO on 144 MHz, and, intriguingly, perhaps a 432 MHz QSO as well. The characteristics of the required anti-cyclonic systems don't seem to be well understood in amateur circles, it is also the case that such ducts often favour quite restricted geographical areas.

Conclusion

It would seem that the only two likely propagation modes to support transtlantic VHF communication are double hop sporadic-E and tropospheric "ducting". Neither seems likely to be readily predictable so the importance of establishing reliable high-performance beacons on both sides of the Atlantic is underlined. In both cases the analysis is in line with operator experience which shows that these two modes can deliver remarkably high signal levels at great distances unlike some of the other well known VHF DX modes such as meteor scatter and aurora. The possibility of, as yet unknown propagation modes, cannot be dismissed as little effort has been put into long term monitoring looking for possible transatlantic VHF signals, again the importance of reliable high-performance beacon stations is underlined.

References

Evans D.S. & Jessop, G.R., VHF/UHF Manual (3rd Edition), Radio Society of Great Britain, 1976,

Matthews, P.A., Radio Wave Propagation - VHF and Above, Chapman & Hall, 1965

White, I. (Editor), The VHF/UHF DX book, DIR Publishing, 1992, ISBN 0-9520468-0-6

Editor's Note: We've now heard about several fascinating long distance VHF TV and FM loggings made over transAtlantic paths during the past two years, the latest being Larry Curcio's tentative catch of what may be an Irish FM station in coastal New England. Who will be the first DXer to verify such a catch? Let's hear from you!





When Will E-Skip Season Begin?

A Simple Contest

A Contest So Simple Anyone Can Sign Up! What Are You Waiting For????

All You Have To Do Is Guess
The Date of The First Major
E-Skip Opening of The Season.
The First Person That Guesses
The Actual Date Wins a Copy Of
The 2000 WTFDA TV Station Guide.
If You've Already Bought A Copy,
What A Great Gift It Makes.

1 wish skip season would begin...1 wish, I wish, 1 wish

In The Event That No One Picks
The Actual Date of The First Major
E-Skip Opening, The Person Closest
To That Date Will Be Awarded Status
Of "Winner". Here Are The Three Simple
Rules and How To Enter:

RULES:

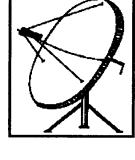
The MUF will reach at least 100 mHz;
 At least 6 people will report from various locations;
 The E-Skip Opening will last at least one hour.

HOW TO ENTER:

 E-Mail Jim Thomas at oldwest@oneimage.com;
 E-Mail Mike Bugaj at ikon@netcom.com;
 3.Post Your Entry On The WTFDA E-Mail Reflector (WTFDA@topica.com);
 4.Post Your Entry On The IRC Chat Channel On Tuesday or Friday evenings.

What Could Be Simpler???
A CONTEST SO EASY EVEN A KID COULD ENTER!

So, Don't Just Sit There Wondering.....Check Those Connections, Check That Rotator and Enter Your Date!



25th Annual EASTERN VHF/UHF CONFERENCE:

AUGUST 27, 28, & 29, 1999 RADISSON HOTEL 1 BRIGHT MEADOW BLVD. (OFF RT.5) ENFIELD, CT 06082

Sponsored	bv	the	Eastern	VHE/UHE	Society

As a result of a lot of hard work by your committee, we will be having an excellent full program this year. An effort was made to improve our conference by carefully evaluating the critiques we received last year. This years' program is a result of that input:

This year, we have speakers from New England to as far south as Maryland and as far west as Ohio. Many people missed having the Bandsessions, so we brought them back this year! We'll have a Technical Laboratory and Demos area which will be in operation Saturday afternoon, managed by Don Twombly WB1FKF. We encourage you to bring a project to de-bug or tune with some newer type test equipment.

We'll also have Gerry Rodski, K3MKZ of SSB Electronic & N1DPM to manage the preamp noise figure measurement workshop (50MHz-10GHz); and Joe Reisert, W1JR to manage the antenna gain measurement range (222 & up, entrants receive a hardcopy plot of their antenna). A great opportunity to check out your preamps and antennas! This years' VHF-SHF Trivia Quiz will be hosted by Dale Clement AF1T.

A ARRL published Proceedings book with the event schedule and many interesting articles is included with your registration and will be presented to you when you arrive. -Hope to see you soon!

73.

Bruce Wood, N2LIV
Conference Chairman and Proceedings Editor
3 Maple Glen In.
Nesconset, N.Y. 11767-1711
516-225-9400 Work
516-265-1015 Home
E-mail: bdwood@erols.com

REGULAR MAIL REGISTRATIONS	e \$20 =
REGISTRATION AT DOOR \$25 SUNDAY ONLY REGISTRATIONS	@ \$ 5 =
EXTRA PROCEEDINGS BOOKS BANQUET TICKETS (by mail only)	0 \$15 =
PRIME RIB CRABMEAT STUFFED SOLE	@ \$25 = @ \$25 =
CHICKEN PARMESAN	## \$25 =

Make check or m.o. payable to Eastern VHF/UHF Society & mail to :
RON KLIMAS. WZ1V

458 ALLENTOWN RD. BRISTOL, CT 06010 860-589-0528 email: wz1v@ntplx.net

^{*} and the North East Weak Signal Group

^{*} ARRL-Affiliated





The 2000 WTFDA TV Station Guide

The Ink Is Finally Dry!!

The 2000 WTFDA TV Station Guide finally arrived from the printers at the end of March and began shipping to those that took advantage of the special 'pre-press' pricing, which ran from Jan. 3 through Feb. 28.

To all those that ordered, the club would like to extend a hearty, "Thank You!!"

If you missed out on ordering your personal copy, its still not too late to get yours...the TV Station Guide will be available as long as orders continue to come in during the year.

However, if you're really into dxing like the rest of us, you'll want to get your hands on YOUR COPY as fast as possible... before the big e-skip season starts.

Photocopy the coupon below, fill it out and send it in *PRONTO* to: WTFDA, PO Box 501, Somersville, CT 06072, along with a check or money order for the total amount of 2000 WTFDA TV Station Guides. Each guide is priced at \$19.95, which includes shipping & handling. The Guides are printed on 80 lb. white bond, 8.5" X 11" pages, punched for a three ring binder (you supply the binder) and shrinkwrapped for quality shipping.

ORDER TODAY!!! Your copy is waiting for you!

Please send me 2000 WJFDA TV Station Gui	des at \$1 9.9 5
Name	
Address	
City, State, Zip	
E-Mail Address(if available)	



vhf-uhf Digest back issues

The following back issues are still available.

MONTH and YEAR	ON HAND
December1989	2
January 1990	1
February 1990	
March 1990	1
May 1990	2
June 1990	2
July 1990	3
August 1990	4
September 1990	3
October 1990	4
November 1990	1
January 1991	3
February 1991	4
March 1991	4
April 1991	3
May 1991	
June 1991	
July 1991	
August 1991	
December 1991	
January 1995	
February 1995	
March 1995	
April 1995	
May 1995	
June 1995	
July 1995	
August 1995	
September 1995	
October 1995	
November 1995	
December 1995	
January 1996	9
February 1996	
March 1996	
April 1996	
May 1996	9
June 1996	
July 1996	
August 1996 September 1996	9
September 1990	9

October 1996	.9
November 1996	.9
December 1996	.9
January 1997	.8
ebruary 1997	.9
March 1997	.9
April 1997	.9
May 1997	.9
lune 1997	.9
July 1997	.9
August 1997	.9
September 1997	.9
October 1997	.9
November 1997	.8
November 1997	.8
January 1998	.44
ebruary 1998	.34
March 1998	.40
April 1998	.47
May 1998	.25
lune 1998	.45
luly 1998	.54
August 1998	.55
September 1998	.66
October 1998	.57
November 1998	75
December 1998	.74
lanuary 1999	.46
ebruary 1999	.47
March 1999	.51
April 1999	.84
May 1999	.58
lune 1999	.21
luly 1999	.51
lugust 1999	.18
September 1999	.77
October 1999	.68
November 1999	.74
December 1999	.86
anuary 2000	76
ebruary 2000	

Complete your collection today!

LATEST OFFER

otobor 1006

Any six (6) available VUDs for \$6.00.... any twelve (12) available VUDs for \$10.00.

Single copies can be ordered at only \$1.25 per issue, send check or money order payable to:

Worldwide TV-FM DX Association (U.S. funds only) (please do not send cash)

Mail your order to: VUD BACK ISSUES 12284 NICE ROAD AKRON NEW YORK 14001-9408 U.S.A.