

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

AUGUST 1999

E-SKIP BLOOMS LATE-- THEN TURNS GREAT!



"May was disappointing...and June was lousy. It was gettin' pretty grim...and then July started. Now I've been like this ever since..."



WORLDWIDE TV-FM DX ASSOCIATION
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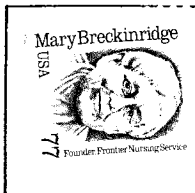
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WORLDWIDE TV-FM DX ASSOCIATION

Serving the VHF-UHF Enthusiast

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

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FROM THE STAFF:

SKIP! Late June and early July saw an increase in E-skip activity almost everywhere on the continent. Tropospheric enhancement was also on the upswing. While no one seems to be calling this 'one of the best seasons ever' it certainly showed major improvement after a lackluster beginning. Now, let's hope for a repeat of that explosive mid-August E-skip episode that we had last year.

WEBMASTER: Several members have expressed interest in assuming the position of WTFDA webmaster. There will be an announcement soon.

CONVENTION: The timing of our gathering at Rick Shaftan's a couple of weeks ago didn't allow for composition of a convention report for the VUD. Next month you can read all about it. If you still have convention fever this year, there are two more major DXer events coming up:

NRC: Holiday Inn, Bridgeport WV on Sept 3-6, 1999. Reservations 1-304-842-5411, \$70.95 for two double bed room, no limit on how many in a room. Convention registration - \$35. Host is William Swiger, One Casey Ln, Bridgeport WV 26330, 304-842-4635.

ODXA: "Radio Fest 99"... September 24-26 at the Ramada Inn & Convention Centre, Oakville, Ontario. TV and FM DXers are welcome. Contact the Ramada Inn by telephone (905)849-5950, toll free 1-800-357-0880. Events commence Friday at 7PM. Registration takes place Saturday morning.

CHAT: Every Tuesday and Friday at 10PM EDT you'll find anywhere between 5 and 15 of your counterparts talking DX on IRCnet chat channel #wtfdxa. If you're on the internet, it's free. Don't know much about it? Want information? Need help making it work? E-mail Mike Bugaj <ikon@netcom.com>. It's a lot of fun and a great way to get to know others in the club. When there's skip in progress occupants of the channel help identify stations on the spot.

REMINDER: WTFDA and VUD are only as good as what's contributed to them. In the case of your monthly VUD, a lot of man-hours go into the preparation and assembly of the finished product that (we hope) you enjoy. Support the column editors by participating. Submit reports of your loggings to the appropriate FM and TV news editors; give Doug Smith and Greg Coniglio a hand with station news...particularly network or format changes; share your photos with the rest of us via Jeff Kruszka's "PHOTO NEWS" column. Got a beef about something? A question? A suggestion? "MAILBOX" (Mike Bugaj again) is the place to go. Have any historic stories or graphics? Tom Bryant might use them in "TV TIME TUNNEL". Yes, we are aware that mentioning these things is repetitious, but if we don't they seem to be taken for granted.



WTFDA MAILBOX

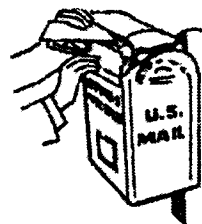
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WELL, WELL, WELL

Well, what a difference a few days make! Last time we were moaning about the lack of Es and a few days later the whole season turns around. Outside of the Pacific Northwest and the Los Angeles area, I can't find too many people who are unhappy with the amount of Es they received. I hope everyone got so much Es that it'll take them months to sort out their logs.



A couple of longtime Dxers are back in the fold. A big WTFDA welcome to Tim McVey and Danny Buntin. Very glad to have your smiling faces back here! And a great big thanks to all of you for renewing for another year: Edward Ritchie, John Johnson, George Jensen, Frank Aden, Alfred Laun, Charles Bernth, William Eckberg, David Austin, Ron LeBlanc, Mike Lapinski, Jeff Lockwood, Mike Hawk, William McGuire, James Paige, Greg Coniglio, Rod O'Connor, Stan Weisbeck, Robert Ross, Jeff Kruszka, Al Tobia, Jeff Wolf, Neil Kazaross, Roderick Jorgenson and Mark Humenyk. The current membership is now around 244 people.

MORE DTV WOES! All right, Jim Ayers, make yourself comfortable on the couch and tell Dr. Mike and all the rest of us about it: "I have four digital locals on-air. Have not seen any of them decoded yet, but their signals on an analog set are as distinctive (from analog) as they are devastating to DX. One digital local (ch10) is adjacent to full-power analog 11. I sometimes note what I assume is a het on 9 which is a mixture of the two signals on 10 and 11. That is, I see analog 11's signal plus the dark snow from digital 10. Fortunately, this is usually only on bearings toward their (shared) tower. Meanwhile, adjacent channel overload from a local appears to not be as severe, generally, from a digital signal as from an analog local.

Those locals relocating from UHF to UHF or from VHF to VHF don't present an adjacent-channel overload problem yet, anyway, because they are lowering ERP substantially. Relocating from VHF to UHF, however, is a different issue, since ERPs are higher than stations moving within VHF or UHF. For instance, local channel 2 is also on 39 with 490kw. I sometimes get overload on channel 38 and 40. However, local channel 5 is also on 27 with 846kw and I'm NOT seeing any overload to adjacent channels. The two towers are at 13 and 11 miles, respectively.

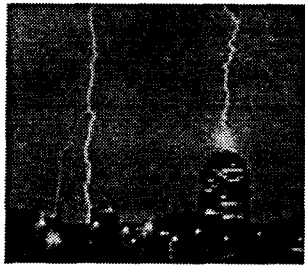
When it comes to overload, perhaps this is what we Dxers have to fear the most from DTV...NOT just the locals moving from V to U with their higher power than stations moving within V or U, but rather the big slate of UHF locals who can apply to increase their digital power from, say 75kw to 1000kw, as WDSI is doing. What's to keep every digital on UHF from applying for the maximum 1000kw? Great for DX, I guess, if you have any channels left on which to DX!"

GREETINGS FROM THE PAST. An email came in from former WTFDA member John Combs currently living in Florida. John informed me that he has a collection of old VUDs from 1972-1996 (with a few gaps), as well as copies of old AIPA bulletins from the 1950s and early '60s, that he plans to put up for bid on eBay sometime around the middle of August. At the present time John is not interested in selling to any one person (I told him I would take some but he was not interested), but wants to go the auction route. If you are interested in bidding, please check out eBay as soon as you get this VUD.

HTTP://PAGES.CTHOME.NET/FMDX. This is the address of my very own website! I invite everyone to take a look. In my Mailroom, you will find the most current club stats, email address of all the WTFDA members I know of, articles on E skip, filter modification, my favorite Realaudio, antenna photos in color, super F2 photos and much more. I update regularly, and I plan even more. There's even a head shot of me for you to throw darts at! So check out Mike's WTFDA TVFM DX and Computer page! **3**

IT'LL MAKE YOU CRY! From Bill Mitchell: "I have a Carver TX-11 FM tuner that had its front end damaged during a thunderstorm, losing about 95% of its sensitivity. I sent it to Carver service, and it was returned as "repaired", sadly with only about 20% of its original sensitivity. I do not know how they missed this in checking out the unit (I do -Mike). I tried to return it, but in the meantime Carver and its service folded. Everett Audio in WA picked up repairs, but not tuner repair. So, I am stuck with a TX-11 that works with 33db of system gain ramming a signal through its front end. Is there anybody in the membership that is aware of anyone or a facility that can repair these units? This is such a fine RF performer that it is sad to see it relegated to receiving only locals with all of that antenna gain and preamplification." Can anyone help Dr. Bill? Email him at castsv272@aol.com.

LIGHTNING DOES STRIKE TWICE! You might remember an article in the May 1998 VUD



about a lightning strike at the home of Mike Condon. Well, would you believe it happened again! It happened on the first weekend in May. Here are parts of Mike's email: "Things could have been much worse, now that I reflect back on it and I'm grateful it happened as it did. I lost 4 VCRs, a video switcher and several of those Radio Shack remote switching relays that plug into the wall outlets from surging, and one 14" monitor which works but loses its mind when it gets overheated.

The single point ground did its job and shunted most of the two strikes, one at 8pm and the other at midnight, to ground. I did lose the VHF amp up on the tower through rf saturation even though it was not on and disconnected. After investigating fully for days, it turns out that the cable TV company did not ground their system. I blame myself for this because I just neglected to cut their lock and look into their box on the side of the house. When I did so, I became very angry to see that they did not ground, but did pull a small wire in with the coax from the road 200 ft away. Who knows if it even did go to ground out at the road box. I then cut into the system and added my own ground cable and ran it two feet to my system which was right there to catch the house and phone systems. I also grounded it at the panel in the basement where it distributes to the other rooms of the house. I also installed a surge shunt device in the electrical panel with the circuit breakers. I then installed ground fault outlets where any electronic equipment may be connected. In retrospect, the lightning came in on the cable and found its way through the VCRs on the shield of the coax to the neutral of the house electrical system back to ground." Mike estimated the damage from these strikes to be around \$2,500. Mike also says "Jim Detrich sent me a story of a fellow who had his house set afire by a strike that hit the house downspout for the gutters, which set off the fire alarm of the neighbor's house who came and put the fire out. Those folks were lucky. Jim has doubled the prices of the RDX Labs amps, so I installed a Channel Master VHF amp this time. Don't see much difference in performance."

US TELEVISION IN EUROPE? I received this from a Dixer in Germany in response to a question he posed on the European email list regarding US TV reception in Europe. Have US stations ever made it there by Es? You might find this interesting: "It is possible, but more likely with multi-hop Es than F2. Over the years we've had some freaky observations, but no 100% proof of US/Canadian stations. In August 1986, during a strong Icelandic opening, Dixer in Finland noted weak stations (with music only) on frequencies that match with those of St. John Nfld. Also in 1989 (if I remember right), a Norwegian Dixer heard two stations fading with each other on 88.9, both spoke English with an American accent. Hams have also reported (in QST magazine) a Transatlantic opening on FM between Spain and New York area, I guess that was in 1988. *The best TV conds ever were in June 1988 when North American stations were widely seen in England on all band I/II channels. The furthest station was from Atlanta, GA on ch A2.* There are many Dixer around Finland with the same dream...but to hear NA stations needs good equipment and patience; the signals are often very weak after having travelled so far." This response came from Jukka Kotovirta in Finland. If you are a East Coast TV Dixer...doesn't this make you want to swing your antenna eastward and keep it there?

LAST, BUT NOT... Thanks everyone for contributing. I have to hold over some items for next issue. The FM Atlas was to go the printer on June 22nd. IRC has been loads of fun this summer. If you want to know how to get on IRC, you'll find out how at my web site. See you next month! Write! -Mike



EUROPEAN TV/FM DX FOR JUNE '99

European TV and FM Dixer had a disappointing start to the month of June. A few minor openings occurred at the beginning of the month, but nothing much occurred from about the 7th of June to the 18th of June, when, like us, conditions improved drastically.

All times are UTC. All times are beginnings of observed openings. All freqs listed are MUFs. All info taken from BKL's FMTVDX WEBLIST at www.fmdx.com

DATE	REPORT
5 th	0815 Russians on R1,R2, OIRT FM band, 1000 Germany on E2, 1330-140 Britain on FM up to 100mhz. -BKL Finland
7 th	0151 UK to Italy on 87.6, 1110 Italian FM's to 98.8, -Hattam UK (London) 1640-1700 NL to Greece and Portugal to 107.5 -Brand NL, -Hepke Netherlands
10 th	2225 Sicily to Tunisia/Malta to 97.8 -Micciche Sicily
15 th	1800 Spain to Poland, Greece to 98mhz, -Monino Spain
18 th	No times NL to Ukraine/Spain to 102.9 -Brand Netherlands
19 th	Lots of reports on this opening. Here are a few: 1143 Finland to Italy to 106.15 -Keskinen Finland 1706 Belgium to Turkey to 97.1 -Wijnants Belgium 0720 Netherlands to Italy to 97.75 -Hepke Netherlands 1600 Finland to Turkey/Russia over 100mhz -BKL Finland 1000-1900 Nine straight hours of Es to Ukraine/Russia from Germany - Bartels DR 1100 Denmark to Belarus/Turkey /Bulgaria/Greece/Russia - Holst Denmark
20 th	1030 Finland to Austria/Croatia/Czech Rep/ Greece/Hungary/Poland/Italy up to 107.9 -Soini Finland 1046 Belgium to Turkey/Greece/Romania/Bulgaria up to 103.1 -Wijnants Belgium 1230 Netherlands to Greece to 100.1, 1655-1800 to Russia/Belarus to 107.4 -Brand Netherlands 1000-1300 Netherlands to Tunisia (89.6), Portugal/Greece to 106.6, 1330-1515 to Turkey to 106.8 - Hepke Netherlands
21 st	1130 Neth to Iceland on E3/E4 and 88.3 -Hepke Netherlands
22 nd	1345-1505 Belgium to Greece, Yugoslavia t 97.1 - Wijnants, Belgium 1245-1700 Belgium to Greece/Romania, Bulgaria 101.4,102.3. Syria TV on E2/E4 1245, Iran E2/E4 1740, Greece E2/E3 1300 - Hepke 1400-1515 Neth to Greece, Turkey to 106.6 -Ruud Brand, Netherlands
23 rd	Super opening in Finland. 1000-1300 Finland to Italy, Greece, Switz and Austria To 107.0 -Jukka Soini Finland 0950-1015 UK to Poland to 107.2 -Faulkner, UK
25 th	0820-1120 Hungary to Scotland to 95.9 -Silvius, Hungary

FM NEWS

AUGUST 1999

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

GX: granted replacement of expired permit
LC: license to cover filed (means station is ready to come on air)
MC: multiple-city legal ID
NC: no change yet on a reported change/permit
ND: non-directional antenna
NO: not on the air
NS: new station granted
NW: new station signs on
OSA: one-step application granted for change
PA: proposed amendment to change FM table of allocation
PC: power change on the air (> for increase, < for decrease, when known)
PG: power change granted (> for increase, < for decrease, when known)
QC: frequency change occurred
QG: frequency change granted
RA: silent station returns to air
RE: station requests extension on permit
RX: station requests replacement of expired permit
SG: slogan change or update
SI: station is silent
XA: dismissed amendment to FM allocations
XC: transmitter site change occurred
XG: transmitter site change granted



UNITED STATES

ALABAMA:

Aniston: WGRW 90.7 NW, rel / cont. Christian (&)
Birmingham: WVSU 91.1 PG> 500w, 420 ft, DA, XG: 33-27-47 / 86-46-08
Brentley: WAOQ 100.3 LC
Montgomery: WQKS 96.1 CC (ex WRWO) "Kiss"
Oneonta: WKLD 97.7 inc. to 341 ft.

ALASKA:

Juneau: KAMT 100.7 inc. to -417 ft, XC: 58-17-09 / 134-25-40
Ketchikan: KGTW 106.7 OSA to C3, 440w, 2185 ft, XG: 55-21-39 / 131-47-43
Valdez: KVAK 93.3 PC< 1.2 kW

ARIZONA:

Casa Grande: KLVA 105.5 XC: 33-08-14 / 111-58-53
Flagstaff: KJTA 88.9 PG< 9 kW, 1443 ft, XG: 34-58-06 / 111-30-29
Fountain Hills: KBIE 89.1 CC (NS)
Gilbert: KPTY 103.9 FC to modern rock (Phx)
Kachina Village: KFLX 105.1 PG> 5 kW, 1456 ft, XG: 34-58-06 / 111-30-29
Winslow: KFMR 95.1 XG: 34-58-06 / 111-30-29

ARKANSAS:

Batesville: KBTA 99.5 NW, soft AC
Fayetteville: KBNV 90.1 CC (NS)
Glenwood: KWXE 104.5 FC to JRN soft AC (&)
Harrison: *NS 91.9 PG 5.5 kW, 341 ft, DA, XG: 36-22-12 / 93-13-23
Jonesboro: KAOG 90.5 PG> 40 kW, 397 ft, DA, C2, XG: 35-48-36 / 90-48-45

CALIFORNIA:

Big Pine: KRHV 93.3 dec. to 2847 ft., DA, XG: 36-58-39 / 118-07-13
California City: KCEL 106.9 NW, variety
Chester: K206CE 88.1 NS-10w(v): KAWZ-ID
Clearlake: K212DJ 90.3 NS-10w(v), DA: KAWZ-ID
Fairmead: KLVY 91.1 PC> 9.1 kW, 1148', DA
Fairmont: KCNL 104.9 PC> 5.7 kW, 338 ft.
Garberville: KLVG 103.7 dec. to 2348 ft, XG: 40-20-05 / 124-06-32
Garden Grove: KIKF 94.3 XG: 33-46-51 / 117-53-53
Gilroy: KBAY 94.5 PG< 30 kW< 587 ft, DA, XG: 37-12-33 / 121-46-30
Glendale: KSCA 101.9 PC< 1750w, 3090 ft, class B, XC: 34-13-36 / 118-03-56
Joshua Tree: KPLM-1 106.1 NS-200w
June Lake: KIHS 90.9 CC (NS)

LA NUEVA
107.9 FM

FM NEWS PAGE 2

California:

Long Beach: KBUE 105.5 XG: 33-51-29 / 118-13-24
Middleton: KRSH 98.7 PG< 165w, 1876 ft, XG: 38-47-16 / 122-44-50
Pt. Reyes Stn: KWMR 90.5 NW, variety "Watershed"
San Luis Obispo: KWQH 97.1 PC< 1150w, 1456 ft, DA, XC: 35-21-37 / 120-39-20
Santa Barbara: KRUZ 103.3 dec. to 2969 ft, XC: 34-31-29 / 119-57-32
Soledad: KFRS 89.9 CC (NS)
Solvang: KSYV 96.7 PC> 5.8 kW
Yucca Valley: K205DK 88.9 NS-10w: KCZO-TX

COLORADO:

Brush: KPRB 106.3 NW, Radio 1 hot AC (& "B106"
Montrose: KSTR 96.1 FC to classic hits
Snowmass Village: KSNO 103.9 FC to smooth jazz (&) (Aspen)

DISTRICT OF COLUMBIA:

Washington: WJMO 99.5 CC (ex WGAY) "Jammin' Oldies 99.5"

FLORIDA:

Ft. Lauderdale: WMGE 103.5 CC (ex WPLL), FC to R&B oldies "Mega" (Miami)
Ft. Walton Bch: WZNS 96.5 XG: 30-24-50 / 86-37-40
Kissimmee: WWWW 89.1 LC
LaCrosse: WRKG 99.5 PC 2.2 kW, 472 ft.
Marco: WMKO 91.7 NW, info/cas./jazz // WGCU-FM (Fort Myers)
Perry: *** 107.7 GA: add class C3
Plantation Key: WFKZ 103.1 OSA to C2, 50 kW, 449 ft, XG: 24-57-30 / 80-34-30
Sebastian: WBKM 95.9 CC (NS)
Tallahassee: WWLD 106.1 XC: 30-23-09 / 84-16-34
Yankeetown: WXOF 96.3 PG< 3.5 kW, 493 ft.

GEORGIA:

Darien: WYNR 107.7 inc. to 482 ft.
Donaldsonville: WWGF 107.5 MW, religion // WLPE
Helen: WHEL 105.1 FC to soft AC // WPCH
Hinesville: WGKX 92.3 FC to JRN country (&)
Reidsville: WRBX 104.1 PC< 4.9 kW, 361 ft, XC: 32-05-14 / 82-07-48
Sparta: WPMA 102.7 dec. to 167 ft, XG: 33-18-48 / 83-00-05
The Rock: WKEU 88.9 CC (NS)

HAWAII:

Hilo: KAEO 92.7 PG< 2150w
Hilo: KPVS 95.9 inc. to -282 ft, XG: 19-50-20 / 155-06-43
Honolulu: KTUH 90.3 PG> 3 kW (cir), -82 ft.



AUGUST 1999

ILLINOIS:

Bethalto: WFUN 95.5 reported silent
Carlyle: WCXO 96.7 LC
Chillicothe: WKSO 94.3 CC (ex WFXF) "Kiss"
Colchester: WMMQZ 104.1 NW, soft AC "Mix"
Decatur: WSOY 102.9 dec. to 443 ft, XC: 39-52-41 / 88-56-32
Elgin: W219CD 91.7 NS-10w: KSOH
Freeport: WNIE 89.1 NW, info & classical (// WNUI by day, WNUI at night)
Kankakee: WVLI 95.1 PC< 2.3 kW, 367 ft.
Marseilles: WKOT 96.5 PC< 2.5 kW, XC: 41-18-33 / 88-48-45
Morris: WYXX 103.1 PC> 6 kW, DA
Morton: WYFX 102.3 CC (ex WTAZ), FC to classic rock (Peoria) "The Fox"
Mt. Vernon: WAJT 102.1 PG< 10.5 kW, 508 ft.
Nashville: WNSV 104.7 PG> 3.4 kW, 440 ft, XG: 38-26-02 / 89-18-55
Peoria: WWCT 105.7 drops Howard Stern
Quincy: WCOY 99.5 CC (ex WQCY), FC to country in August
Quincy: WQCY 103.9 CC (ex WMOS), FC to hot AC in August



Today's Hit Music!

INDIANA:

Alexandria: WHTI 96.7 CC (ex WAXT)
Elwood: WURK 101.7 CC (ex WLHN)
Hartford City: WHTY 93.5 CC (ex WWWO)
Muncie: WLBC 104.1 PC< 41 kW, 459 ft, XC: 40-09-40 / 85-22-44
Peru: WARU 98.5 QC from 98.3, inc. to 328 ft, XC: 40-37-46 / 86-02-28
Princeton: WRAY 98.1 inc. to 436 ft.

IOWA:

Brooklyn: KSKB 99.1 PC< 43 kW, 525 ft.
Des Moines: KKDM 107.5 FC to CHR "Kiss 107 FM"
Keokuk: KRNQ 96.3 FC to classic rock
Lamoni: KIIC 97.9 NW, classic country (&)
Osceola: KJJC 107.1 QC from 106.9

KANSAS:

Dearing: KKRK 98.1 CC (NS)
Downs: KDNS 94.1 adds JRN country (&)
Galena: KBGZ 104.3 XG: 37-03-08 / 94-42-26
Ingalls: KSSA 105.9 NW, regional Mexican (&)

KENTUCKY:

Brownsville: WKLY 100.7 NW, adult cont. (& "100.7 KLX"
Cattlettsburg: WRVC 92.7 PC< 2350w, 531 ft, XC: 38-28-02 / 82-35-50
Horse Cave: WHHT 106.7 FC to JRN country "Thunder" (&)
Jackson: WBJJ 104.5 PG 2750w, 492 ft, DA, XG: 30-41-50 / 91-16-03
Owensboro: WKWC 90.3 inc. to 82 ft, XG: 37-44-32 / 87-07-27

LOUISIANA:

Alexandria: KZMZ 96.9 SG "96-9 Rocks!"
Gibbsland: KBEF 104.5 PG> 6 kW, XC: 32-31-59 / 93-11-34
Opeolus: KVOL 105.9 adds new rock "The Buzz" during breaks in talk shows (midnight to 5 am)

MAINE:

Searsport: WBYA 101.7 OSA to B1, 2 kW, XG: 44-31-27 / 68-57-16
Winter Harbor: WAKN 97.7 LC

MARYLAND:

Cambridge: WFBR 94.3 NW, Radio 1 C&W // WBEY
Salisbury: WICO 97.5 QC from 94.3

MASSACHUSETTS:

Brockton: WCAV 97.7 PC > 2.7 kW, 492 ft, XG: 42-07-28 / 71-00-05
Fairhaven: WFHN 107.1 PC > 6 kW, 325 ft, DA, XG: 41-37-43 / 71-00-24
Nantucket: WNAN 91.1 PG < 1.4 kW (v), 226 ft, XG: 41-17-06 / 70-08-39



MICHIGAN:

Bear Creek Twp: WTLI 89.3 NW, cont. Christian
Bear Lake: WSRQ 100.1 CC (ex WZTU), RA with 80's hits "Star FM"
Beulah: WSRI 92.1 CC (ex WBVE), RA with 80's hits // WSRQ 100.1 "Star FM"
Crystal Falls: WOBG 100.7 MW, oldies (Sept.), inc. to 489, XG: 45-49-58 / 88-05-09
Detroit: WKRK 97.1 drops music, all talk now
Hart: WWIP 105.3 CC (ex WCXT), FC to dance "The Whip" (Muskegon)
Menominee: WHYB 103.7 adds WW1 Hot Country (&)
Negaunee: WKQS 101.9 adds Delilah
Rogers: WHAK 99.9 FC to oldies "The Wave"
St. Ignace: WMKC 102.9 adds Young & Elder
Stephenson: WMXG 106.3 CC (ex WWHK), NW, CHR (on in July)
Trout Lake: WHWG 89.9 NW, rel. & contemp. Christian // WHWL

MINNESOTA:

Atwater: KKLN 94.1 CC (ex KYRS), FC to classic rock
Brainerd: K202CZ 88.3 NS-80w(v): KAWZ-ID
Worthington: K205DJ 88.9 NS-250w: KRSW 91.7

MISSISSIPPI:

Amory: WAFM 95.3 PC > 6 kW, 272 ft.
Carthage: WSSI 98.3 PC > 20 kW, class C3, XG: 32-43-29 / 89-32-44
Flora: WFMN 97.3 PG > 20.5 kW
Hattiesburg: WUSW 103.7 CC (ex WHER), FC to country
Heidelberg: WHER 99.3 CC (ex WEEZ)
Laurel: WMXI 98.1 FC to Southern Gospel (&)
Pt. Gibson: WRTM 100.5 OSA to C3, 25 kW, 256 ft, XG: 32-08-13 / 90-55-12 CC (ex WYVE)
Sumrall: WFMM 97.3 PG > 6 kW, 328 ft.
Water Valley: WLPX 105.5 inc. to 328 ft, XG: 34-12-45 / 89-44-49

MISSOURI:

Chaffee: KYRX 104.7 OSA to C3, 25 kW, XG: 37-09-44 / 89-28-49
Dexter: KDEX 102.3 OSA to C2, 50 kW, 492 ft, XG: 36-51-37 / 90-08-43
Hannibal: KGRC 92.9 FC to classic hits "The River"
Houston: KUNQ 99.3 adds JRN classic cntry (&)
Joplin: KSYN 92.5 dec. to 407 ft.
Owensville: KBDQ 95.3 PG 37 kW, 564 ft.
Poplar Bluff: KZMA 103.5 NW, soft AC

MONTANA:

Alberton: *** 105.5 PA: add C2
Belt: *** 101.7 GA: add A
Black Eagle: KEIN-1 93.7 NS-20 kW (h), DA
Choteau: *** 102.1 PA: add C1
Culbertson: K201FG 88.1 NS-41w: KAWZ-ID
Darby: *** 107.9 PA: add A
Florence: *** 103.5 GA: add A
Fortine: *** 94.3 PA: add C3
Hamilton: KXDR 98.1 OSA to 98.7 - C1, 100 kW, XG: 46-30-36 / 113-58-45
Joliet: *** 99.7 GA: add C3
Lockwood: *** 106.7 GA: add A
Saint Regis: *** 99.1 PA: add C2
Shelby: KLHK 97.9 GA: to C - Dutton, MT
Trego: *** 107.1 PA: add C2
Valier: *** 105.7 PA: add C1

NEBRASKA:

Albion: KUSO 92.7 XG: 41-49-50 / 97-41-12
Kimball: KBFZ 100.1 noted on the air
McCook: *NS 98.5 XG: 40-29-16 / 100-39-34
McCook: KSSM 93.9 noted on the air (despite SI reports). They signed on in September 1998, and run the Steve & DC show in AM drive.
Nebraska City: KQCH 97.7 CC (ex KESY) "Channel 9-7" (Omaha)
Ralston: KMLV 88.1 CC (NS)

NEVADA:

Lovelocks: K201FE 88.1 NS-10w: KAWZ-ID
Reno: KRNV 101.7 adds JRN smooth jazz (&) nights
Winnemucca: K201FF 88.1 NS-10w: KAWZ-ID



NEW HAMPSHIRE:

New London: WNTK 99.7 PG < 760w, 676 ft.

NEW JERSEY:

Dover: WDHA 105.5 PG < 980w, 574 ft.
Manahawkin: WJRZ 100.1 dec. to 433, XG: 39-47-54 / 74-12-10

NEW MEXICO:

Carlsbad: K217DF 91.3NS-55w(v), DA: KLYT 88.3
Cloudcroft: KBOD 88.9 CC (NS)
Grants: KYVA 103.7 CC (ex KTHR), FC to ABC oldies (&)
Las Cruces: *NS 89.7 500w, 171 ft, Moody
Roswell: KBIM 94.9 adds ABC AC (&)
Taos: KTAO 101.9 QC from 101.7, PC < 1.2 kW, 2795 ft, XG: 36-14-48 / 105-39-15

Alice @ 92.9

Today's music.

NEW YORK:

Babylon: WBAB 102.3 PC > 6 kW
Brighton: WZNE 94.1 PC > 2.5 kW, 328 ft.
Brookport: WRPO 105.5 CC (ex WASB)
Buffalo: WLCE 92.9 FC to rhythmic oldies "B 92.9"
Canton: WRCD 101.5 CC (ex WXQZ) "Rock 101.5"
Canton: WVNC 96.7 changes to commercial status as of June 14, 1999
Glens Falls: WCQL 95.9 CC (NS)
Homer: WXHC 101.5 FC to hot AC
Houghton: WJSL 90.3 FC to classical // WXXI-FM
Jeffersonville: WWHW 102.1 NW, all weather
New York: WNEW 102.7 adds Loveline
Olean: W213BC 90.5 NS-10w: WCID 89.1
Phoenix: WRDS 102.1 adds Doug Banks
Syracuse: WRVD 90.3 NW, info and variety // WRVO Oswego
Water Mill: W207BE 89.3 NS-19w: KLVN-CA
Woodstock: WDS100.1 PC > 6 kW, 315 ft, XG: 41-59-24 / 74-01-07

NORTH CAROLINA:

Ashokie: WBKU 91.7 45 kW, 443 ft, AFA CC (NS)
Atlantic Beach: WBJD 91.5 NW, info and classical // WTEB 89.3
New Bern: WAAE 91.9 PC > 1350w
Salisbury: WEND 106.5 PC > 84 kW

NORTH DAKOTA:

Belfield: *** 93.9 GA: add class C1
Bismarck: KSSS 101.5 FC to adult contemporary
Bismarck: KQDY 94.5 FC to K-Love cont. Christian
Burlington: *** 103.1 GA: add class C1
Gackle: *** 99.1 GA: add class C
Hazelton: *** 103.9 GA: add class C
Medina: *** 92.3 GA: add class C
New England: *** 95.7 GA: add class C

OHIO:

Bryan: WBNO 100.9 FC to JRN classic rock (&)
McArthur: WJLI 98.7 FC to religion

OKLAHOMA:

Altus: KKVO 90.9 FC to Moody religion (&)
Lawton: KLAW 101.3 QC from 101.5, dec. to 584 ft, XG: 34-33-00 / 98-32-20
McAlester: KTMC 105.1 PC > 1.6 kW, 505 ft, XG: 34-59-13 / 95-42-10
Pauls Valley: KGOK 97.7 reported SI
Snyder: KJCM 100.3 NW, cont. Christian (&)
Steubenville: W215BC 90.9 NS-10w: WPCS-FL

OREGON:

Astoria: KMUN 91.9 PG > 7.5 kW
Bay City: *** 96.3 GA: add class A
Bonanza: KYSF 102.9 CC (ex KAQX) "Kiss"
Burns: K203CW 88.5 NS-19w: KAWZ-ID

Cannon Beach: KCBZ 96.5 GA: to 94.9 - C3, PC < 950w, 302 ft, XG: 45-57-08 / 123-56-14
Corvallis: KFLY 101.5 PC < 74 kW, 1099 ft, C1, XG: 44-38-24 / 123-16-25
Manzanita: *** 94.9 XA to add class A
Salem: KRSK 105.1 inc. to 1889 ft, XG: 45-00-35 / 122-20-17

PENNSYLVANIA:

Honesdale: WDNH 95.3 PG < 1.6 kW, 459 ft, XG: 41-34-59 / 75-10-34, PG > 4.3 kW, 200 ft.
Olyphant: WXAR 95.7 CC (ex WKQV)
Pittsburgh: WPHH 96.1 CC (ex WFRV) "Mix 96.1"
Pittsburgh: WJJJ 104.7 SG "Jammin' Oldies"
Youngsville: WTMV 88.5 LC

RHODE ISLAND:

Westerly: WBLQ 88.1 FC to talk & soft AC

SOUTH CAROLINA:

Beaufort: WAGP 88.7 PC > 25 kW, 328 ft, C3, DA
Hartsville: WBZF 98.5 CC (ex WHSC)
Newberry: WDXZ 106.3 PC < 6 kW, class A, XG: 34-16-39 / 81-46-12
Orangeburg: WHXT 103.9 PC > 9.2 kW, 531 ft, class C3, XG: 33-40-13 / 80-52-25
W. Columbia: WJMV 100.1 CC (ex WSCQ), FC to rhythmic oldies

SOUTH DAKOTA:

Aberdeen: KQAA 94.9 inc. to 446 ft.
Aberdeen: KBFO 106.7 inc. to 446 ft.
Redfield: KNBZ 97.7 NW, hot AC "297"

TENNESSEE:

Alcoa: WYLV 89.1 PG > 4.5 kW, C2
Huntingdon: WVHR 100.9 PC > 25 kW, class C3, XG: 35-57-05 / 88-27-47
Maryville: WTXM 95.7 PC > 6 kW, 321 ft.
Norris: WBEH 106.7 PG 1.5 kW, 666 ft, DA, XG: 36-08-04 / 83-55-19
Olive Hill: WDNX 89.1 change to circular
Parker's Crossroads: WBFG 96.5 LC
Shelbyville: WZPC 102.9 dec. to 955' granted



TEXAS:

Austin: K206CF 89.1 NS-4w(v), DA: KAWZ-ID
Azle: KZMP 101.7 RA with Jones regional Mexican // KZMP
Brownfield: KPBB 88.5 NW, Spanish cont. Christian // KUBR "La Radio Christiana"
Brownsville: KBNR 88.3 PC > 5.5 kW
Centerville: KAJS 105.9 NW, country
Clarendon: KEFH 99.3 NW, hot AC // KRMN
Cuero: KVCQ 97.7 reported silent
Eden: *** 104.5 GA: add A
Edna: KGUL 96.1 NW, country & classic rock
El Campo: K208DK 89.5 NS: 50w- KCZO 92.1
Freeport: K201FA 88.1 NS-50w: KCZO 92.1
Giddings: KROX 101.5 GA: to C1 - Buda, TX
Graham: *** 98.5 PA: add A

Texas:

Hallettsville: KTXM 99.9 NW, country & classic rock
 Harker Hts: KZUL 105.5 PC< 33 kW, 600 ft, ND,
 XC: 30-59-09 / 97-37-51
 Hebronville: KAZF 91.9 inc. to 295', XG: 27-19-00
 / 98-40-07
 Hunt: *** 99.9 PA: add class A
 Ingram: *** 96.5 PA: add class A
 Jacksonville: KLJT102.3 PG> 50 kW, 492 ft, C2, XG:
 31-52-18 / 95-10-00
 Junction: KOOK 93.5 PC> 50 kW, 492 ft, C2,
 XC: 30-29-31 / 100-02-03
 Lamesa: KTXC 104.7 CC (ex KAXT), FC to
 country (Odessa)
 Littlefield: KAIQ 95.5 LC
 Lukin: *** 93.9 GA: add class A
 Madisonville: *** 101.3 PA: add class A
 Marble Falls: KBAE104.9 QC from 104.7, PC< 4.1
 kW, 804 ft, XC: 30-26-34 / 98-14-48, CL
 change from Llano, TX
 Mason: *** 95.7 PA: add C2
 Medina: *** 107.1 PA: add class A
 Mineola: KMOO 99.9 QC from 96.7, PC> 6 kW,
 295 ft.
 Navasota: K203CV 88.5 NS-115w: KSBJ 89.3
 New Braunfels: KNBT 92.1 moving more towards
 an Americana format
 Palacios: KKOS 99.7 SI (expected back on soon)
 Pearsall: KVVW 95.3 PG> 3 kW, 164 ft.
 Reno: *** 98.9 GA: add class A
 Seadrift: KMAT 105.1 NW, religion // KHCB 105.7
 Terrell Hills: KJCZ 106.7 FC to R&B oldies "Jamz"
 Tulia: KLG 104.9 CC (ex KJMX), RA with
 Real Country (&)
 Victoria: K211DR 90.1 NS-10w: KCZO 92.1 TX
 Waco: KWTX 97.5 dec. to 1410 ft, XG: 31-20-
 16 / 97-18-36
 Winnsboro: KWNS 104.7 QC from 104.9, PC<
 2750w, 492 ft, XC: 33-04-17 / 95-17-22
 Winters: KATX 96.1 CC (ex KLG), NW, Real
 country (&) (due on in August)
 Yoakum: KYKM 92.5 FC to cw and classic rock //
 KTXM 99.9
 Zapata: *** 102.7 GA: add class A
 Zapata: *** 103.9 GA: add class A



UTAH:

Fountain Green: *** 96.7 PA: add class A
 Kanab: KONY 101.1 OSA to class C, 1968 ft,
 XG: 37-17-45 / 112-50-34
 Leeds: *** 105.3 PA: add C2
 Parowan: *** 107.9 PA: add C2
 Roy: KSNU 107.9 FC to modern rock (SLC)
 Toquerville: *** 103.9 PA: add C
 Tremonton: KNFL 104.9 PC> 100 kW, 1060 ft,
 XC: 41-44-54 / 112-13-37

VIRGINIA:

Accomac: W220CQ 91.9 NS-80w: WYFG 89.3 SC
 Charlottesville: WQMZ 95.1 inc. to 325 ft.
 Powhatan: WXNC 107.3 NW, rhythmic oldies "Beat"
 (Richmond)
 Virginia Beach: WANN 102.1 CC (NS)
 Waynesboro: WPVA 90.1 inc. to 961 ft, ND,
 XG: 38-01-16 / 78-52-38
 Windsor: WSVY 107.7 PC< 1.7 kW, 620 ft, ND
 Wise: WISE 90.5 CC (ex WCVC), NW, info
 and classical, variety
WASHINGTON:
 Ephrata: KTAC 93.9 PG< 18 kW, 384', C3
 Forks: K201FD 88.1 NS-11w: KAWZ-ID
 Greenwater: K201EX 88.1 NS-2w: KEFX-ID
 Othello: KZLN 97.5 FC JRN AC "The River" (&)
 Port Angeles: K201EZ 88.1 NS-19w, DA: KAWZ-ID
 Wenatchee: KKRV 104.9 adds Nashville Nights
 Yakima: K218CX 91.5 NS-4w: KAWZ-ID
 Yakima: KHHK 99.7 PC< 4.1 kW, 804 ft,
 XC: 46-31-20 / 120-20-08

WEST VIRGINIA:

Bernardstown: W209BH 89.7 NS-10w: WMLJ 88.1
 Salem: WAJR 103.3 NW, news/talk/sports //
 WAJR AM 1300 (breaks in the early afternoon
 to carry Dr. Laura) (Morgantown)

WISCONSIN:

Algoma: WBDK 96.7 PG< 8 kW, 538 ft,
 XG: 44-42-26 / 87-24-26
 Ashland: *** 102.9 GA: add class A
 Brookfield: WJMR 106.9 CC (ex WMJO) "Jammin"
 Eau Claire: WVCF 90.5 PC< 900w, 312 ft.
 Neokosa: WXEC 93.9 dec. to 66 ft, XG: 44-13-19 /
 89-51-13
 Portage: WBKY 95.9 NW, CD Country (&)
 Wisconsin Dells: WNNO 106.9 adds JRN AC (&)

WYOMING:

Casper: KUWC 91.3 PG> 530w, 1784 ft,
 XG: 42-44-26 / 106-21-34
 Cheyenne: KWYY 95.5 SG "The Country Giant
 95.5 KWT"
 Cheyenne: KZCY 104.9 NW, modern rock
 Elk Mountain: K201FC 88.1 NS-34w: KAWZ-ID
 Evanston: K209DC 89.7 NS-10w: KAWZ-ID
 Ft. Bridger: KNYN 99.1PA: to C3 - Hyrum, WY
 Rawlins: K217DG 91.3 NS-23w: KAWZ-ID
 Tipton: K217DE 91.3 NS-50w: KAWZ-ID

GUAM:

Dededo: KGUM 105.1 NW, rock

PUERTO RICO:

Hormigueros: WRRH 106.1 Spanish contemporary
 Christian

VIRGIN ISLANDS:

Frederiksted: WREY 98.5 OSA to 98.3, 1.9 kW, 915
 ft, XG: 17-44-51 / 64-50-11



CANADA

ALBERTA:

Grande Prairie: CJXX 840 wants 93.1, 100 kW
 High Level: CFKX 106.1 NW, CHR // CKKX-FM
 High Level: CKHL 102.1 QC from 530, now 8765w
 Red Deer: CKRD 700 wants 105.5 100 kW,
 ad/con format
 Taber: CKTA 1570 wants 93.3, 50 kW, oldies
 format

BRITISH COLUMBIA:

Masset: *NS 94.1 13w xtrr wanted // CFMI
 Prince Rupert: *NS100.7 26.5 w religious wanted
 Vancouver: DIGITAL 1465.024 Mhz application to
 carry: CKWX 1130 / CKKS 96.9
 Vancouver: DIGITAL 1461.536 Mhz application to
 carry: CKLG 730 / CFOX 99.3 / CFMI 101.1 /
 CKNW 980. Two transmitters, one on Mt.
 Seymour at 3,381 w, one other in Burnaby at
 2,774 w.

MANITOBA:

Brandon: *NS 94.7 100 kW, a/c format wanted
 Brandon: CKX 1150 wants 101.1, 100 kW,
 country format
 Winkler: *NS 93.5 100 kW, AC/ country blend
 wanted.
 Winnipeg: *NS 93.5 22w contemp. Christian
 station wanted



NEWFOUNDLAND:

Gander: CKXD 1010 wants 103.7, 6 kW
 Grand Falls: CKXG 680 wants 102.3, 20 kW
 Robert's Arm: *NS 92.7 4.5 kW, to be // CKXG if
 CKXG is granted a move to FM

ONTARIO:

Belleville: *** ??? CRTC determines that
 another FM station is to be granted
 Campbellford: CKOL 93.5 QC from 98.7
 Chapeau: *NS 93.7 67 watt station wanted for
 emergency messaging, 1 hr/month testing
 Chatham: *NS 94.3 50 kW modern rock
 wanted, NOT to replace CFCO-AM/CKSY-FM
 but co-owned
 Cornwall: CJSS 101.9 QC from 1220, now 3 kW
 Cornwall: CFLG 104.5 PC> 30 kW
 Michipicoten: *NS 100.7 5 w // CJWA wanted
 Parry Sound: CBLR 89.9 wants PG> 180

Peterborough: CBCP 98.7 QC from 93.5, PC<
 10,170 watts
 Sarnia: CHKS 106.3 QC from 1110, CC (ex
 CKTY), FC to modern AC "K 106.3", now 35 kW
 Sudbury: CHNO 550 wants 103.9, 100 kW
 Sudbury: CHYC 900 wants 98.9, 1 kW
 Sunderland: *NS 89.9 2240w wanted // CJKX 95.9
 Thunder Bay: *NS 99.9 37w oldies wanted
 Timmins: CKOY 620 wants 104.1, 3.5 kW

QUÉBEC:

Thetford Mines: CKLD 105.5

SASKATCHEWAN:

Moose Jaw: *NS 93.7 100 kW, AC/country station
 wanted, associated with CHAB-AM but may not
 replace it.

BAJA CALIFORNIA:

Tijuana: XHCR 99.3 CC (ex XHKY), FC to Jones
 CD Country (&) (San Diego)

NUEVO LEON:

Monterrey: XHSR 97.3 SG "Pulsar FM"

CUBA:

East: R. Taino 89.1
 Varadero: R. Taino 93.3
 Holguin: CMKG 94.1 R. Victoria
 Holguin: CMKX 95.5 R. Bayamo Granma
 Holguin: R. Rebelde 104.3
 La Habana: R. Progreso 98.5
 La Nueva East: CMKO 97.9 R. Stereo Holguin
 Santiago: CMKC 101.7 R. Revolucion

PIRATE WATCH:

• **DENVER, COLORADO.** On July 13th, the
 FCC shut down a station operating in the suburb
 of Federal Heights, on 89.7. It was running about
 30 watts into an omnidirectional gain antenna
 about 50' AGL. According to the FCC, it could be
 received throughout the Denver area. The
 station, "The Flick", was automated, and being
 run out of a pager sales office at W 84th Ave &
 Pecos St. According to an employee at the
 pager business, the station owner claimed that
 he received a valid license for his station on the
 Internet! (Source: Rick Lewis - AMFMTVDX list
 server)

• **DES MOINES, IOWA.** M Street reports that
 the FCC shut down a pirate in this city operating
 on 90.5, after a warning to voluntarily shut down.
 No other information about format or power is
 available.

• **Steve Dahl,** a Chicago-based radio host
 (WCKG 105.9) who is syndicated, was not
 happy with his measly 0.4 share rating on his
 Detroit affiliate WKRK-FM 97.1. So he pulled

• the plug on the broadcast to that station, literally! This was all broadcast live over his program. After calling WKRK GM Steve Sinicropi some choice names, he personally when over and pulled the cord out of the patchbay linking Detroit! WKRK was his only affiliate outside Chicago.

• The FCC has recently redesigned its web page. This is hoped to clear up some technical issues that have been plaguing the site. Check it out at <http://fcc.gov>

• President Clinton has nominated FCC Commissioner Susan Ness for another five year term. The appointment will still need to be confirmed by the Senate.

• Here's an FCC fine that should help DXers! KXOJ, Inc. (KEMX 94.5 Locust Grove, OK, KE0J 101.1 Caney, KS, And KXOJ 100.9 Salpupa) was fined for messing up its legal ID! The station was inserting "Tulsa" before the correct city of license. The city of license must follow the call. Some information, such as the frequency, the licensee name (i.e. "Chancellor Broadcasting") may be inserted between the calls and city, but no "impermissible information" such as another city. It was a rough day for KXOJ - they were also fined for not keeping a studio within the station's primary contours. The station claimed it had to move the studio to Tulsa for economic reasons, but the FCC did not accept that. The station did, however, contest the FCC's assertion that it did not keep a local or toll-free number so that those within its community could call without a charge.

• WTFDA member Peter George (1995 Lake Placid Convention host, and up-coming host as well!) writes to tell us that he is now the chief engineer at WBIM 91.5 Bridgewater, MA (180 watts), and WSHL 91.3 Easton, MA (100 watts). He will gladly QSL if you hear his stations! During the summer months, these two college stations mainly broadcast the "Massachusetts Reading Network", a radio service for the visually impaired. The network has a legal ID every hour, but WBIM and WSHL insert local IDs every top of the hour (Thanks, Peter, hi! - grc). The full list of stations on this reading network is:

- WJUL 91.5 MA Lowell
- WNNMH 91.5 MA Northfield
- WDJM 91.3 MA Framingham
- WVBF 1530 MA Middleboro
- WBIM 91.5 MA Bridgewater
- WSHL 91.3 MA Easton

• Doug Smith recently caught an extensive network ID for the "Christian Radio Network / La

Cadena Cristiana" service. This is a Hispanic religious network, mostly located in the Southwest. While the programming is in Spanish, the ID he heard was in Spanish. Here were the stations they mentioned:

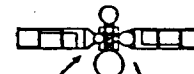
- KMFM 100.7 TX Fremont
- KPP? 88.5 TX Brownsville (? Doug speculates this is really KOIR Edinburg?)
- KBRN 1500 TX Boerne
- KIBL 1490 TX Beeville
- KDFM 93.1 TX ?? (xltr?)
- KDFM 103.3 TX Falfurrias
- KVOZ 890 TX Laredo
- KUBR 1210 TX San Juan
- KERV 1230 TX Kerrville
- KERV-FM Kerrville (not in FCC DB?)
- KUOL 1470 TX San Marcos
- KZPI 91.7 NM Deming
- KPBM 95.3 TX McCamey
- K201EP 88.1 TX Hereford
- K217DA 91.3 TX Ridgecrest, CA
- K216DV 91.1 NM Albuquerque, NM
- KCZO 92.1 TX Carrizo Springs
- K218CO 91.5 TX San Marcos
- K201EU 88.1 TX Katy
- K204DB 88.7 NM Portales, NM
- K220GR 91.9 TX Los Banos, CA
- K213?? 90.5 CA King City (ID said K217DA, which is Ridgecrest)
- K220GU 91.9 CA Lost Hills, CA
- K209CW 89.7 Buttonwillow, CA

All of the translators translate KCZO. Doug, I see a lot of grants to translate KCZO in M Street, so look for this list to be growing rapidly, like WAFR, KAWZ, etc.

• Chip Kelley notes that KLTY 94.1 Dallas has been sold from Suburst (which paid over \$60 only a few months ago) to Hispanic Broadcasting (formerly known as Heftel). The new owners plan to install some form of Spanish language programming on the 94.1 frequency.

• KLTY had been one of the most successful contemporary Christian stations in the U.S. The old KLTY format may live on, however, on Suburst's future move in to the Dallas market: KRJT 100.7. Stay tuned to this column for updates from "The Big D".

• Thanks to Fernando Garcia for the rare Cuban information. He received that info from Alexeis Marrero, from San Andres, Holguin, Cuba. Fernando also mentions that Radio Taino is a tourism station. It's address is Calle O No. 216, Vedado, P.O. Box 3040, La Habana 3. (Fernando also sent the Monterey slogan change!)



SATELLITE NEWS

GEORGE W JENSEN
4604 ANNATANA AVE
BALTIMORE MD 21206-4220

- This month - a yearly revision of subcarriers per satellite:
- SATCOM 1
 - Transponder 2 - 5.58 - Radio America/7.5 - Peoples radio Network
 - 3 - 5.6 - Reading Service of the Colorado Rockies
 - 6 - 5.6 - Church of the Latter Day Saints radio Net
 - 7.5 - Talk America radio Network
 - 14 - 5.8 - Talk Radio Network
- GALAXY 1
 - Transponder 11 - 5.4 - WEWN - Birmingham, Alabama
 - 5.6 - WEWN - Spanish
 - 7.2/7.4 - WEWN - ??
 - 17 - 5.58 - Amerinet - which is WGTG - McCaysville Georgia
 - WNMX - 106.1 FM - Waxham/Charlotte N.C.
- SATCOM 3
 - Transponder - 7 - 5.26 - World Radio Network/5.4 - BBC World
 - 13 - Classic Music Service
- GALAXY 5
 - Transponder 2 - 5.58/5.76 - KLON - 88.1 FM Long Beach, Cal.
 - 6.8 - Music Channel/8.2 - Cable Radio Network
 - 6 - 6.43 - Brother Stairs/6.2 World Radio Network foreign languages/6.8 - English
 - 7 - 6.3/6.48 - WFMT 98.7 FM Chicago/6.8 Yesterday USA/5.58/6.12 - WCPE - 89.7 FM Wake Forest (Raleigh) North Carolina
 - 17 - 7.55 - CNN en Espanol
 - 18 - WWTN - Supertalk FM 99.7 - Nashville (Manchester) Tennessee
 - 20 - 5.9/6.1 - unknown
 - 21 - Super Audio Radio Music Services
 - 22 - 6.2 - CNN radio News
- ANIK E1
 - transponder 10 - 7.2 - radio Portugal International
- ANIK E2
 - transponder 1 - 5.4/5.58 - CBF FM 100.7 - Montreal
 - 6.12 - CBM - Montreal
- GE AMERICOM GE 1
 - transponder 9 - 7.3 - KHCB - 105.7 FM Houston, Texas
 - 12 - 5.7 - Misc/5.86 - WBES 94.5 FM Dunbar/South Charleston, West Virginia at 7.1/7.9
 - 7.7 - West Virginia National Public Radio temporarily off the air
 - 22 - 7.38/7.56 - DW German Radio
 - 7.71/7.86 - DW Foreign languages radio
- SPACENET 4
 - transponders - 14 - WQXR 65.3 FM - New York 6.2/6.8
 - 7.8 - Antenna Radio - Greek Service
 - 16 - also WQXR - on 5.8
 - 19 - 5.8 - American Freedom Network
 - 7.56 - Truth Radio Network - Delano, Cal
- GALAXY 6
 - transponder - 6 - 5.58/5.76 - KBVA - 106.5 FM - Belle Vista, Ark
 - 6.5 - WCRP - 88.1 FM - Guayama, Puerto Rico
 - 7.3 - KOCY - 105.3 FM Hoxie (Walnut Ridge) Arkansas
 - 15 - 5.58/5.76 - WHME - 103.1 FM South Bend, Ind
 - 6.48/7.3 - WMPZ - 96.9 FM Bremen, Indiana
 - misc World Harvest Radio SW Feeds
- GALAXY 3
 - transponder 23 - 5.5 - Radio 74 International - Arcacuan, France

...continued on page 43

TV News

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

August 1999
non-commercial station
nc no change

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

Applications for new stations

St	Ch	ERP	Ht.	City	Applicant	Latitude	Longitude
AR	32^	989	474	Little Rock	KARK [4]	34-47-57	92-29-59
FL	42^	1000	448	Bradenton	WXPX [26]	27-24-30	82-15-00
FL	19^	145	252	Miami	WBZL [39]	25-58-07	80-13-20
IN	12^	15	175	Evansville	WNIN# [9]	38-01-27	87-21-43
IN	39^	500	281	Richmond	WKOI[43]	39-30-44	84-38-09
KS	22^	830	305	Great Bend	KSNC [2]	38-25-54	98-46-18
MI	62z	1259	246	Detroit	WWJ [62]	42-26-52	83-10-23
MI	39^	189	170	Mount Clemens	WADL [38]	42-33-15	82-53-15
ND	38^	976	624	Valley City	KXJB [4]	47-16-45	97-20-26
NH	57^	590	216	Durham	WENH# [11]	43-10-33	71-12-29
NJ	50^	475	293	Atlantic City	WWAC [53]	39-26-20	74-42-30
NJ	8^	4.5	221	New Brunswick	WNJB# [58]	40-37-17	74-30-15
NJ	18^	50	333	Newton	WMBC [63]	41-00-43	74-35-32
NV	2^	27.7	384	Las Vegas	KVBC [3]	36-00-30	115-00-20
OK	50^	200	483	Oklahoma City	KOPX [62]	35-35-52	97-29-22
OK	28^	1000	219	Okmulgee	KTPX [44]	35-50-02	96-07-28
ON	32	0.02		Nipigon	CICA [19]		
SA	36	0.02		Invermay	TSN		
TN	36^	1000	379	Cookeville	WNPX [28]	36-08-35	85-54-35
TX	40^	1000	494	Dallas	KXTX [39]	32-35-07	96-58-06
WA	14^	500	473	Tacoma	KTBW [20]	47-32-50	122-47-39
WI	22^	50	285	Milwaukee	WVCY [30]	43-05-15	87-54-13

Applications in *italics* are for backup auxiliary transmitters.

The CRTC has received an application for a new TV station at Vancouver, BC and is soliciting additional applications for Vancouver and/or Victoria. Technical details are not given. (I am not even certain an over-the-air service is proposed; it could be cable) Channels 42 and 52 are open for full-service assignment at Vancouver, and channels 40, 46, and 66 at Victoria. "Limited" allocations are available at Vancouver on channels 15, 63, and 68.

Construction permits granted for new stations

St	Ch	ERP	Ht./Call	City	Applicant	Latitude	Longitude
AZ	29^	707	527	Phoenix	KAET [8]	33-20-00	112-03-49
CA	25^	691	594	Stockton	KOVR [13]	38-14-24	121-30-03
FL	31^	152	575	Pensacola	WSRE [23]	30-36-38	87-36-26
IA	50^	966	593	Des Moines	KDIN [11]	41-49-47	93-36-56
MA	58^	50	294	Springfield	WGBY [57]	42-14-29	72-38-56
MD	42^	328	253	Annapolis	WMPT [22]	39-00-36	76-36-33
MI	43^	200	318	Detroit	WTVS [56]	42-26-52	83-10-23
MI	7^	16.8	218	Gd. Rapids	WOOD [8]	42-41-14	85-30-34
NJ	38^	143	448	Secaucus	WWOR [9]	40-42-43	74-00-49

NJ	43^	46	261	Trenton	WNJT [52]	40-16-58	74-41-11
NV	32^	200	914	Reno	KTVN [2]	39-18-45	119-53-00
NY	16^	200	129	Rochester	WXXI [21]	43-08-07	77-35-03
OR	16z	60	773	La Grande	Winstar	45-18-35	117-43-57
PA	42^	331	313	Pittsburgh	WCWB [22]	40-29-43	80-00-18
TX	9^	8.4	56	Houston	KUHT [8]	29-34-28	95-29-37
TX	38^	208	582	Houston	KHTV [39]	29-34-06	95-29-57
VA	43^	80	154	Manassas	WPXW [66]	38-47-16	77-19-49
VA	16^	200	377	Hampton	WHRO [15]	36-48-31	76-30-13
WA	32^	175	71	Bellevue	KWPX [33]	47-30-17	121-58-06
WI	8^	25	354	Milwaukee	WMVS [10]	43-05-44	87-54-17

new-station permits expired, dismissed, etc.:

St	City	Ch	# permits	St	City	Ch	# permits
OR	La Grande	16	1				

Applications to change existing stations

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
NM	32+	428	1231	Albuquerque	KAZQ		
OH	26+		154	Springfield	WBDT	39-54-32	83-51-39
TX	39-	500	534	Houston (2)	KHTV		

Entries in *italics* are corrections to the tower coordinates only - nothing has actually changed.

Applications to change construction permits

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
AR	31+	5000	333	Harrison	KWBM(1)	36-42-18	93-03-45
CA	55^	1000		Sacramento	KTXL-DT		
FL	12^	72.3		Tampa	WTVT-DT		
VI	17+	75.9	455	Charlotte Amalie	WVXF	18-21-26	64-56-60

(1) The proposed KWBM [31] site is in Missouri.

Changes granted to existing stations

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
CA	61z	2380	836	Porterville	KPXF		
CO	5-	100	428	Grand Junction	KREX-TV	39-03-58	108-44-46
MD	16+	3581	302	Salisbury	WBOC-TV		
MN	4+		452	Minneapolis	WCCO-TV		
MO	5-		327	St. Louis	KSDK		
MO	24+	2950	315	St. Louis	KNLC		
NC	20z	5000	560	Lexington	WBFX	35-52-02	79-49-26
WV	60+	2035	300	Martinsburg	WWPX		

Changes granted to construction permits

St	Ch	ERP	HAAT	City	Call	Latitude	Longitude
FL	7^		465	Tampa	WFLA-DT		
IL	31^	200		Chicago	WFLD-DT		

KY	29*	227		Newport	WXIX-DT			
NC	27*			Charlotte	WCCB-DT	35-16-01	80-44-05	
VI	17+	75.9	455	Charlotte Amalie	WVXF	18-21-26	64-56-50	

LPTV Displacement Applications

Call	St	City	Fm	To	Call	St	City	Fm	To
K36EP	AR	PineBluff	36	45n	W24BA	NC	Tryon	24	19z
K17BU	AZ	Mesa	17	53z	KCUT-LP	ND	Gd. Forks	39	35
KZVU-LP	CA	Chico	21	22	K25FE	NE	Columbus	25	57+
KDFX-LP	CA	Indio	40	33	K67AX	NM	Alamogordo	67	42
K56BR	CA	Palo Alto	56	23	K65BS	NM	Hatch	65	28
K04NV	CA	Red Bluff	4	47n	K16DJ	NM	Las Cruces	16	54
KRVU-LP	CA	Redding	22	21	K12LL	NM	Silver C.	12	28
WINQ-LP	FL	Palm Bch	19	43	WBUF-LP	NY	Buffalo	39	20
W69DK	GA	Savannah	69	32n	K52AN	OK	Elk City	52	29
K63GA	ID	Rexburg	63	59z	K61FN/ K63DM/ K65DS	OK	Guymon	61 63 65	30/ 29/ 57
WQTV-LP	KY	Murray	46	24+	K46DP	OK	Norman	46	11
W65CE	LA	Shrevept.	65	59-	K62BK/ K66BO/ K68AH	OR	Elgin	62 66 68	33+ 39+ 26n
WLOB-LP	ME	Portland	45	15-	K60DL/ K64BB	OR	La Grande	60 64	29- 35-
K31CG/ K33CT	MN	Olivia	31 33	23- 45	K66AS	OR	Newport	66	18z
KBNS-LP	MO	Branson	31	63+	WVIE-LP	TN	Nashville	10	20
K52FP	MO	Columbia	52	53	KCCX-LP	TX	C. Christi	50	25-
K53FX	MO	Warrensbg	53	32n	K70FD/ K72DN/ K74DP	TX	Leakey (1)	70 72 74	43+ 45+ 47+
K63FW	MO	Washingtn	63	41z	K63GD	TX	S. Antonio	63	43
K34EX	MT	Kalispell	34	22z	K38CN	UT	Salt L. C.	38	68
K61GW/ K69HY	MT	Missoula	61 69	46z 49z	KBWU-LP	WA	Richland	66	52+
W45BK	NC	Shallotte	45	47-	K63AO	WA	Stemilt	63	32

(1) The existence of these applications would seem to indicate these translators are still operating on channels 70, 72, and 74.

Technical changes on the air

St	Ch	Call	City	What happened
CA	14+	KPTV	San Francisco	increase power 2570->3980kW; tower height 381->701m; move about 57km northeast.
IL	26z	WCIU-TV	Chicago	increase power 2000->5000kW.
MI	62z	WWJ-TV	Detroit	increase power 1000->5000kW, tower height 296->327m, move a few hundred meters southwest.
NE	17z	KTVG	Grand Island	increase power 105->3890kW; tower height 60->186m; move about 20km southwest.
NY	29-	WOTV	Buffalo	increase power 1260->3980kW & tower height 280->329m; correct coordinates

TN	24z	WPTY-TV	Memphis	increase tower height 308->340m; move about 8km north-northeast.
TX	11-	KTVF	Fort Worth	increase tower height 509->518m.
WI	32+	WACY	Appleton	decrease power 1070->1050kW and tower height 363->336m.
WI	26+	WGBA	Green Bay	increase power 2510->5000kW and decrease tower height 360->356m.

New stations on the air or requesting operating license

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
AR	49-	1510	175	KKYK-TV	El Dorado	33-16-19	92-42-11
AZ	58z	3758	335	KWBA(1)	Sierra Vista	31-45-32	110-48-03
CA	65*	1000	902	KTTV-DT	Los Angeles	34-13-29	118-03-48
ID	19-	75.9	161	KBGH#	Filer	42-43-47	114-24-52
MI	44*	200	323	WWJ-DT	Detroit	42-26-52	83-10-23
NY	51-	4170	277	WFXJ-TV	Batavia	42-53-42	78-00-56
OH	2*	7	296	WKYC-DT	Cleveland	41-23-10	81-41-21
OK	27*	352	489	KFOR-DT	Oklahoma City	35-35-52	97-29-22
WI	57+	5000	340	WHPN-TV	Janesville	42-43-40	89-13-58
WV	60+	2040	300	WVFX	Martinsburg	39-27-27	78-03-53

The Iron Mountain, Michigan translators have been deleted:
W30AK/W35AK/W43AN/K47AF/W56BF/W59AQ/W63AW/W65BN/W67AO/K69BA.

Call changes

Was:	Now:	City:	Ch	Was:	Now:	City:	Ch
K06LY	KZND-LP	Anchorage, AK	6	WPBT-LP	WBPX-LP	W. Palm Bc., FL	36
WHOA-TV	WNET	Montgom., AL	32	WBPX	WWDP	Norwell, MA	46
W60CL	WRBM-LP	Prichard, AL	60	KCUT-LP	KCPM-LP	Fisher, MN	39
New	KWSB-TV	Eureka Sp., AR	34	W25BU	WJVV-LP	Asheville, NC	25

Programming changes

Call	Location	Programming
KKYK-TV [49]	El Dorado, AR	new, American Collectibles Network (ACN) home shopping.
K67FE	South Phoenix, AZ	from Pax to Spanish-language indep.
K20CS	Porterville, CA	to A1TV.
K38DX	Santa Barbara, CA	new, KJLA [57] translator.
W62CC	Jacksonville, FL	Sold by TBN; to change?
W03AO	Madison, FL	TBN, maybe some local programming.
WSKC-LP [59] & W67CI	Atlanta, GA	Add KBS (Korean Broadcasting System) to Box and Telemundo respectively.
W66BA	Dalton, GA	Sold by Pax.
K25DE	Ottumwa, IA	from KDSM [17] to KYOU [15], still Fox.
WBUI [23]	Decatur, IL	not all WB, still has some Pax.
WABU [68]/ WBUB [21]/ WZBU [58]	Boston, MA/ Concord, NH/ Vineyard Haven, MA	to Pax.
WBPX [46]/ W64CW	Norwell/Boston, MA	from Pax to home shopping.
W18BT	Alpena, MI	TBN.

K118H	Columbia, MO	"Fox 11", LMA w/KMIZ 17.
K35FC	Albuquerque, NM	new, GEMS in Spanish.
W17CH	Patchogue, NY	new, The Box.
WAWA-LP [14]	Syracuse, NY	carrying color bars.
WRAP-LP [32]	Cleveland, OH	The Box.
K66EB	Corpus Christi, TX	new, bars parallel with KTOV-LP 7.
WTMW [14]	Arlington, VA	from Military Ch. to PSN shopping.
WVBT [12]	Richmond, VA	add WB to NBC in September.
WEPN-TV [57]	Janesville, WI	new, UPN for Madison & Rockford.

CKCO-TV-4 [11] Huntsville, Ontario has been granted permission to stop relaying CKCO-TV-2 Warton (which, in turn, is mostly a relay of CKCO-TV [13] Kitchener). It will instead become a relay of CKNY-TV [10] North Bay, with a small amount of locally-originated programming. One might presume a call change, probably to CKNY-TV-1, will also follow.

Forum & Other Stuff

Thanks to Dave Zantow, Neil Griffin, Robert Grant, Dennis Smith, Tim Noonan, Fernando Garcia, Keith Knipschild, Tim Caldwell, Bill Dvorak, and Eric Bueneman for information appearing elsewhere in this column.

A number of "high channel" translators have applied for renewal this month. They include the Leakey, Texas system of K70FD/K72DN/K74DP and K74BO Santa Rosa, NM. Robert Grant says WDWO-LP [44] has been displaced by WWJ-DT and not yet reappeared on any other channel. It holds a CP for channel 18 though I wonder if that has been bumped by WHTV in Jackson? The WBKP [5] translator in Marquette, MI mentioned in last month's column is W28BX, according to an email reply from WBKP's general manager.

Neil says the Colquitt, GA and Ottumwa, IA wireless-cable systems are not yet operating. Neither are LPTVs W19BT, W35BN, and W47BZ in Tallahassee; W02CI and W02CE in Cairo and Camilla, GA; or full-power stations WBIF [51] Marianna, FL or KWKB [20] Iowa City.

Danny Oglethorpe has seen KNAZ [2] several times this summer, after their purchase by KPNX [12]. He says channel 2 relays the noon and 5pm KPNX news, but the 6 and 10pm newscasts are local to Flagstaff. The quality of the Flagstaff newscasts seems to have improved somewhat as well. Unfortunately Danny has a local on channel 6 so we don't know how (and if) this change has also affected co-owned KMOH [6] Kingman.

Jeff Kadet and Eric Bueneman both report K49FC on the air in St. Louis. This is a 3ABN (religious) affiliate and a LPTV displacement, formerly K48ER. Michael Lazaro reports that the WMHQ [45] switch to WB, reported last month, has not yet happened. Fernando Garcia is seeing new K68FU Laredo, Texas. So far, they're only running color bars with 80% of an ID. (It reads "K68F"!) WAOE [59] Peoria is scheduled to come on the air July 21 with UPN.

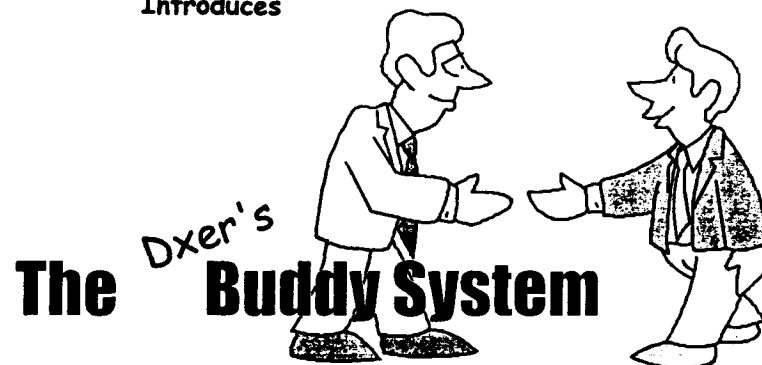
Jeff also has some offset notes. He relays a report from Frank Merrill that CHAT-TV [6] Medicine Hat, AB is operating on minus offset. According to Industry Canada, they're supposed to be zero offset. (They do have one relay station also on channel 6 at Maple Creek, but it's supposed to be plus offset - and in any case, is only 10 watts...) K64FO in Fayetteville, Arkansas also seems to be operating on the wrong offset; Jeff finds it between minus and zero, while the FCC thinks it's plus. He's also seeing unID color bars towards Huntsville, Alabama on channel 52+. I see nothing likely. (My local W52CT is running color bars, but with an ID - albeit with the wrong calls W59AW - and they're supposed to be zero offset though I don't have equipment to confirm that.)

Finally, Jeff has a bit of good news to those with DTV locals. He's reported several Dxters have succeeded in DXing narrowband FM audio through DTV interference, even when no video is present.

Dennis forwarded a wealth of California LPTV information and bandscans - most of which will have to wait for later, when there's more space. I had to delete most LPTV information this month as it is; there's just too much DTV activity. With a fair (but late) E-skip season this year, there will be plenty of DX reported this month...

73 Doug

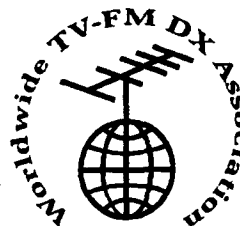
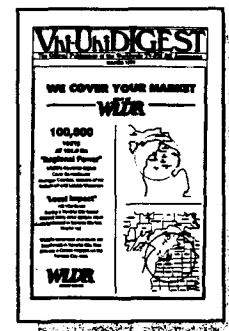
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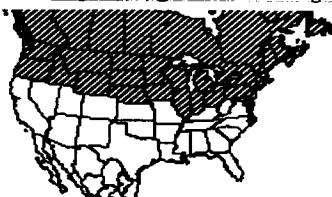
The world is waiting for YOU to be someone's buddy!!

NORTHERN FM DX

AUGUST 1999

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

EDITOR: GREG CONIGLIO
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A HUGE column this time around!! That's thanks to a very active skip period, at the end of June, and the first week or so of July. Things have settled down a bit but some Tropo openings have filled in the gap, especially in the Midwest. Another column where ALL contributions are via e-mail. Thanks again to all of you and a **SPECIAL THANK YOU!** to those of you who send your reports already in the correct format!! Report soon!!

BILL NOLLMAN - 11 HIDDEN OAK DR - FARMINGTON, CONNECTICUT 06032

Equipment: Yamaha T-85 tuner, CM Probe 9 @ 30' AGL - RG6 coax, CM Probe 9 @ 20' in attic-RG6 for 2nd antenna, with Bolin Phase Box (A/B/C switching - ask me for more details) LSNWN@home.com

MAY 1999 DX

5 TR
 1856 WNTK 99.7 NH New London 125
 1911 CIRO 99.7 QU St. George FF 320

6 TR
 1445 WABK 104.3 ME Gardiner Oldies 104 22
 2100 WMMR 93.3 PA Philadelphia 175
 2105 WYSP 94.1 PA Philadelphia 175
 2115 WUSL 98.9 PA Philadelphia 175

21 ES
 1124 WMFQ 92.9 FL Ocala 1000
 1126 WMOC 88.7 GA Lumber City 860
 1133 WPLA 93.3 FL Callahan / Jacksonville
 Planet Radio 93.3 910
 1140 WAKU 94.1 FL Crawfordsville
 The Wave 94.1 1020
 1142 WBYZ 94.5 GA BaxleyHit Kickin Ctry Z94
 855

1145 WDUV 105.5 FL New Port Richie 1080
 1155 WWLD 106.1 FL Tallahassee
 Groovin Oldies 106 1000
 1157 WAIB 103.1 FL Tallahassee B103 1000
 1200 WTIW 107.5 GA Omega
 AM1340 & FM 107.5 930

1204 WFVY 104.5 FL Atlantic Beach / Jacksnvl
 Rock 105 920
 1214 WISK 98.7 GA Americus 900
 1218 WTKX 101.5 FL Pensacola X101.5 1100
 1223 WTNT 94.9 FL Tallahassee 1000
 1225 WPBH 94.5 FL Parker/Panama City
 Beach 94.5 1060
 1233 WRRX 97.7 FL Micanopy/Gainesville97X
 980

1239 WPCF 100.1 FL Panama City Beach 1060
 1244 WBCD 105.3 AL Headland
 Z105 (really) 990
 1249 WAAC 92.9 GA Valdosta 945

MAY 22 TR

1250 WHDQ 106.1 NH Claremont Q106 110
 1955 WPUR 107.3 NJ Atlantic City
 Cat Country 107.3 185

2007 WAYV 95.1 NJ Atlantic City 185
 2050 WWKJ 101.1 MA Mashpee KJ101 115
 2054 WOCN 103.9 MA South Yarmouth
 Ocean 104 130
 2055 WPLM 99.1 MA Plymouth EZ99.1 110
 2056 WCRI 95.9 RI Block Island Classical 95.9
 75

2103 WERI 99.3 RI Block Island 75
 2104 WQRC 99.9 MA Barnstable 125
 2254 WBOQ 104.9 MA Gloucester 120
 2256 WWKX 106.3 RI Woonsocket Kix 106 70
 2300 WHEB 100.3 NH Portsmouth 135
 2301 WZLX 100.7 MA Boston 95
 2303 WFNX 101.7 MA Lynn / Boston 105
 2315 WKPE 104.7 MA Orleans
 "Rock 104.7, The Cape" 145
 2315 WCOD 106.1 MA Hyannis 115

WJBR 99.5 DE Wilmington 190

50,000 WATTS!



CAPE COD'S ROCK STATION

NORTHERN FM DX

AUGUST 1999

Bill Nollman's report continues ...

MAY 31 TR

2235 WYST 93.5 MA Harwich Port Star 93/5 140
 2244 WYRY 104.9 NH Hinsdale
 Hot Country 104.9 75
 2246 WFHN 107.1 MA Fairhaven Fun 107 95

JUNE 1999 DX

5 TR
 0823 WFME 94.7 NJ Newark 95
 0836 WCFR 93.5 VT Springfield Magic 94105
 0848 WKXW 101.5 NJ Trenton
 New Jersey 101.5 135
 0852 WVRR 101.7 NH Newport V101 110
 1112 WXOD 98.7 NH Winchester Oldies 98.7
 95
 2230 WXTK 95.1 MA West Yarmouth 130

6 TR
 0859 WJFD 97.3 MA New Bedford Portuguese

95 FM WXTK

CAPE COD'S ONLY TALK RADIO

10 ES
 1900 WJSP 88.1 GA Warm Springs 880
 1909 WNGC 95.5 GA Athens
 New Country 95.5 780
 1911 WPEK 98.1 SC Seneca 98/1 The Peak
 725
 1936 WWUF 88.1 FL Pensacola 1100

10 TR
 1958 WHYY 90.9 PA Philadelphia 91 FM 175
 2015 WRJT 103.1 VT Royalton The Point 135
 2025 WPOR 101.9 ME Portland 175
 2050 WCYY 94.3 ME Biddeford 94 WCYY 165
 2053 WHGC 94.3 VT Bennington Mix 80
 2056 WTRY 98.3 NY Rotterdam Oldies 98 90
 2059 WOKQ 97.5 NH Dover 135
 2106 WXBB 105.3 ME Kittery Arrow 135

11 TR
 0919 WZSH 107.1 VT Bellows Falls Wish FM 95
 0928 WWBX 97.1 ME Bangor B97 290
 0931 WQCB 106.5 ME Brewer 290
 0934 CBHM 106.5 NS Middleton
 CBC - mono // 92.1 450
 0941 CBAF-1102.3 NB Frederickton
 FF - mono 425

0943 CBHY 92.1 NS Yarmouth
 CBC - mono // 106.5 375
 0945 WMME 92.3 ME Augusta 92 Moose 225
 0952 CKBW-293.1 NS Shelburne Hometown
 Radio 400
 1000 CJLS 96.3 NS Barrington 390
 1007 WJBQ 97.9 ME Portland Q97 Dot 9 175
 1014 WCLZ 98.9 ME Brunswick 200
 1140 WMVY 92.7 MA Tisbury 110
 2240 WNVZ 104.5 VA Newport News Z104 390

JUNE 11 TR

2245 WSFL 106.5 NC New Bern 510
 2300 WYFI 99.7 VA Norfolk 390
 2307 WMGM 103.7 NJ Atlantic City 185
 2315 WNNT 100.9 VA Warsaw
 River Country 100.9 340
 2323 WDSD 92.9 DE Smyrna 220
 2332 WERO 93.3 NC Washington 490
 2339 WPTA 94.9 VA Virginia Beach
 The Point 390
 2343 WAFL 97.7 DE Milford Eagle 97.7 240
 2348 WJRX 100.1 NJ Manahawkin
 Jersey Shore Country 160
 2349 WZXL 100.7 NJ Wildwood 100.7 ZXL 205

12 TR
 0003 WRSF 105.7 NC Columbia Dixie 105.7
 450

0025 CFRQ 104.3 NS Halifax Q104 485
 0030 CIOO 100.1 NS Halifax C-100 485
 0032 WATD 95.9 MA Marshfield 110
 0049 CBH 102.7 NS Halifax \$ - clas music 485
 0100 WBCN 104.1 MA Boston-WMRQ

(~phased) 95
 0105 WCAV 97.7 MA Brockton 95
 0108 WZBC 90.3 MA Newton 90
 0112 WRTI 90.1 PA Philadelphia Temple Univ
 Public Radio 175
 0115 WERS 88.9 MA Boston Emerson College
 95

0121 WEZQ 92.9 ME Bangor 290
 0141 WRCL 106.5 VA Richmond
 Cool 106.5 380
 0152 WRVQ 94.5 VA Richmond Q94 380
 0215 WMZQ 98.7 DC Washington 300
 0216 WGMS 103.5 DC Washington 300
 0216 WKYS 93.9 DC Washington Kiss FM 300
 0230 WPGC 95.5 MD Morningside -WPLJ 300
 0233 WHUR 96.3 DC Washington-WQXR 300
 0239 WWUZ 96.9 VA Bowling Green
 Rock 96/9 350

0242 WASH 97.1 DC Washington-WQHT 300
 0253 WBEB 101.1 PA Philadelphia B101 175
 0255 WXYV 102.7 MD Baltimore V102.7 250
 0941 WOXA 92.7 ME Norway 205
 0945 WFTN 94.1 NH Franklin Mix 94.1 125
 0953 WZID 95.7 NH Manchester 105
 1000 WLOB 96.3 ME Rumford 225
 1008 WJRR 98.1 VT Rutland Mix 98.1 120
 WHRB 95.3 MA Cambridge 95

16 TR
 1717 WLAN 96.9 PA Lancaster FM 97 205
 1719 WDAC 94.5 PA Lancaster 205
 1802 WRFY 102.5 PA Reading 175
 1851 WFPG 96.9 NJ Atlantic City
 LiteRock 96.9 185

Bill Nollman's report continues ...

17 ES & TR

1935 WTUG	92.9	AL Tuscaloosa	980
1955 WYSF	94.5	AL Birmingham SoftRock 94.5	940
2000 WNTI	91.9	NJ Hackettstown	115
2022 WEAZ	88.3	FL Union Park / Orlando Z88.3	1025
2054 WMEZ	94.1	FL Pensacola SoftRock 94.1	1100
2055 WSTR	94.1	GA Smyrna / Atlanta	825
2101 WJXA	92.9	TN Nashville Mix 92.9	830
2104 WOQY	94.1	TN Germantown / Memphis Froggy 94	1025
2113 WLJA	93.5	GA Ellijay Atlanta Braves BB	785
2118 WJXR	92.1	FL Macclenny / Jacksonville (in Mono)	945
2132 WLMS	88.3	FL Lecanto Spirit FM	1040
18 ES & TR			
2036 WJMG	92.1	MS Hattiesburg	1150
2054 WQUE	93.3	LA New Orleans Q93	1240
2058 KAGL	93.3	AR El Dorado	1215
2101 KDAQ	89.9	LA Shreveport	1290
2150 WKSJ	94.5	AL Mobile 95KSJ	1125
2200 CIMF	94.9	QU Hull FF	290
2215 KROM	92.9	TX San Antonio Estereo Latino 92.9	1640
20 ES			
0941 KZMZ	96.9	LA Alexandria 96.9 Rocks	1280
0945 WTCB	96.9	MS Indianola True country for the Delta	1110
1000 WRSA	96.9	AL Decatur	900
1025 WNNX	99.7	GA Atlanta 99X	825
1027 WMC	99.7	TN Memphis FM100	1025
1030 KMJJ	99.7	LA Shreveport	1290
1754 KOTM	97.7	IA Ottumwa	1000
1758 KHAK	98.1	IA Cedar Rapids	955
1759 WMGN	98.1	WI Madison Magic 98	840
1800 KBOB	99.7	IA Muscatine Bob Country 99.7	925
1800 KGRA	98.9	IA Jefferson KG98 - Real Country	1090
1800 KESY	97.7	NE Nebraska City / Omaha Omaha's new Channel 97/77	1175
1807 WRCO	100.9	WI Richland Center	885
1810 WJOD	103.3	IA Asbury	910
1813 KLKK	103.1	IA Clear Lake 103.1 The Fox	1030
1813 KFIL	103.1	MN Preston True Country	970
1817 KBJJ	107.5	MN Marshall	1150
23 ES			
1614 KRNA	94.1	IA Iowa City	950
1615 KZFX	101.9	NE Lincoln The New 101.9 The Fox	1215
1622 KKBZ	99.3	IA Clarinda 99.3 The Beat	1135
1635 KKZY	95.5	MN Bemidji 95.5 KZY	1140

1653 KKDM	107.5	IA Des Moines	1050
JUNE 23 ES			
1714 KQIC	102.5	MN Wilmar Q102	1120
1732 KKXL	92.9	ND Grand Forks XL93	1245
1734 CITI	92.1	MB Winnipeg 92 Citi FM1280	
1743 KQDS	94.9	MN Duluth KQ95	1000
2002 WMFS	92.9	TN Bartlett / Memphis SolidRock 92/9 MFS	1000



JULY 1999 DX

1 ES			
1624 WQYK	99.5	FL St. Petersburg	1100
1628 WEZB	97.1	LA New Orleans B97.1	1240
1635 WNOE	101.1	LA New Orleans	1240
1640 WPFL	105.1	FL Century / Pensacola	1100
1701 WCAC	103.3	LA Baton Rouge The New Cat Country	1260
1710 WHJT	93.5	MS Clinton Alive 93/5	1140
1713 WTXT	98.1	AL Fayette	975
1716 KRRV	100.3	LA Alexandria K-Double R-V	1280
1720 ????	104.5	MS State Collegenew str...not in FCC DB yet	1025
1724 WSMS	99.9	MS Artesia	1025
1727 WKTF	95.5	MS Jackson The Beat / Today's Hit Music	1140
1742 KPCH	97.7	LA Dubach	1240
1755 KRUF	94.5	LA Shreveport The Big Dog - K94.5	1290

6 ES

0718 WJXN	92.9	MS Utica / Jackson	1170
1800 WAQV	90.9	FL Crystal River Life Radio	
WHIJ	88.1	Ocala & WAQV 90.9 Crystal River	1040
1813 WKDQ	99.5	KY Henderson	820
1813 KCKI	99.5	OK Henryetta Kick 99	1300
1817 KGMO	100.7	MO Cape Girardeau 100 Dot 7 KGMO	925
1822 KKDY	102.5	MO West Plains	1050
1825 WGBF	103.1	KY Henderson 103GBF	820
1828 KKIX	103.9	AR Fayetteville Kix104	1190
1839 KZLE	93.1	AR Batesville The Max 93/1 FM	1075
1853 KTTG	96.3	AR Mena	1240
1856 KABK	97.7	AR Augusta K97.7	1075
1903 KLOZ	92.7	MO Eldon Z93 The Mix	1050
1915 KBCN	104.3	AR Marshall Huggin Country / No Yak 6 pack.	1115
1924 KHTO	106.7	MO Mount Vernon Hot 106.7	1140

Bill Nollman's report continues ...



JULY 6 ES CONT

1926 KGND	107.5	OK Ketchum / Tulsa Power Hits for the 4 States	1220
1933 KMIS	106.5	MO New Madrid Country 106.5	950
1934 KCLQ	107.9	MO Lebanon	1060
1936 KQLL	106.1	OK Owasso / Tulsa Cool 106.1	1270
1941 WRBO	103.5	MS "Como / Memphis, TN" The New Soul Classics	103.5 1040
1942 KTST	101.9	OK Oklahoma City The Twister	1375
1945 KVOO	98.5	OK Tulsa	1275
1951 WKRA	92.7	MS Holly Springs	1000
2000 KXKZ	107.5	LA Ruston Kix 107.5	1245
2000 WGNL	104.3	MS Greenwood	1090
2007 KOLL	94.9	AR Maumelle / Little Rock Cool 95	1140
2035 WMAB	89.9	MS State College Public Radio MS (PRM)	1025
2042 KIPR	92.3	AR Pine Bluff / Little Rock Power 92 Jamz	1145
2046 KKPT	94.1	AR Little Rock The Point 94.1	1140
2054 KPLX	99.5	TX Fort Worth / Dallas 99/5 The Wolf	1450

LENNY GOLDBERG - 343 E. MAIN ST - ASHLAND, OREGON 97520

goldies@cdsnet.net

Sony car radio - pacific coast time

June 8, 1999 Tr			
1905 KCRE	94.3	CA Crescent City	83
1944 KABJ	101.1	OR Sutherlin "cool FM" oldies	88
June 9, 1999 Tr			
1950 KMGE	100.9	OR Oakridge? Alesa?	
June 10, 1999 Tr			
2044 KURY	101.3	OR Cave Junction	49
June 23, 1999 Es			
1820 unid	92.9	"your kinda country"	
1822 unid	92.7	NM prob. KPSA La Luz	1115
1834 unid	94.3	NM prob. KYEE Alamogordo	1118
1835 KTSM	99.9	TX El Paso	1144
1836 unid	101.1	NM country - prob. KLVC, Hatch	107
1839 unid	88.5	classical	
1840 KSII	93.1	TX El Paso "Kiss FM"	1144

JULY 6 ES CONT

2101 KABF	88.3	AR Little Rock	1140
2105 WPZM	93.3	TN "Tullahoma / Huntville, AL"	840
2129 KJIW	94.5	AR West Helena	1070
2131 KSCS	96.3	TX Fort Worth / Dallas	1450
2136 KEMM	103.3	TX Commerce Kemm Country	1360
2145 KAMD	97.1	AR Camden K97	1200
2146 KYKX	105.7	TX Longview Kix 105	1340
2157 KOYN	93.9	TX Paris	1340
JULY 7 TR			
1625 WSTL	92.1	KY Carlisle "Star 92, 92.1"	630
1634 WFGZ	94.5	TN Lobelville / Dickson Froggy 94	890
1643 WVRY	105.1	TN Waverly Solid Gospel	875
1656 WJQR	105.5	FL St. Augustine	940
1700 WMXX	103.1	TN Jackson Cool 103	940
1705 WSRR	98.1	TN Millington / Memphis Star 98	1000
1711 KQRC	98.9	KS Leavenworth	1150
1744 KYIS	98.9	OK Oklahoma City Kiss FM	1375
1745 KOAS	92.1	OK Broken Arrow	1275
1750 WKRR	98.5	PA Wilkes-Barre / Scranton KRZ	150
CKOI	96.9	QU Montreal FF Cei Quoi	270



1845 unid	88.1	urban	
1849 KOFX	92.3	TX El Paso oldies	1144
1854 unid	92.3	Mexican (XHTRR?)	

June 27, 1999 Tr

2016 KMXA	99.9	ND Minot AC	1120
2030 KYYZ	96.1	ND Williston, ND K	1015
2030 KDSR	101.1	ND Williston, ND	1015

June 29, 1999 Tr

0950 KLGT	92.9	WY Buffalo "beautiful downtown Sheridan" "hot country hits"	818
0957 KPLO	94.5	SD Reliance	1172
1000 KSDN	94.1	SD Aberdeen	1226



NORTHERN FM DX

AUGUST 1999

DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner; IF filter modified, Pioneer SX 650 receiver. Channel Master model 4408 (Stereo Probe 9) at 59 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed.

New loggings are underlined.

JUNE 1999 DX

12 tropo

0922 WFXK 104.3 NC Tarboro, "Foxy 104-107", s\$, over WKNB Clarendon PA 413

The Best Variety! Of Hits & Oldies



0938 WAKG 103.3VADanville, call, k\$ over WEDG Buffalo 367

JUNE 12 tropo DX continued

0952 WSGY 97.7 PA Somerset, "Froggy-98" +call, k\$ 141

1000 W294AE 106.7 PA Altoona, NPR \$ WPSU 91.5 105

13 tropo

0700 WYXZ 98.7 OH Crestline, ID, r\$ 238

0731 WCKY 103.7 OH Tiffin, call, k\$ taking out WRTS Erie PA 253

0800 WAWN 89.5 PA Franklin, ID, g\$ 79 American Family Radio station

0900 WCLV 95.5 OH Cleveland, ID, c\$160

JUNE 1999 DX

19 e-skip

1938 WSRX 89.5 FL Naples, call, gr\$ 1112

2058 KRVS 88.7 LA Lafayette, call, j\$ over WBFO Buffalo 1111

2107 KRTS 92.1 TX Seabrook, "K-Arts", c\$ 1259

20 e-skip & tropo

0943 WNFB 94.3 FL Lake City, call, rm\$856

0946 WMOC 88.7 GA Lumber City, ID, g\$ over WBFO Buffalo 733

A couple nice morning tropo openings with outstanding station signals. I hope to see a good number of you at the WTFDA convention.

Dave

87.9
support free radio



0959 WAPR 88.3 AL Selma, ID+ "Alabama Public Radio", c\$ 819

1014 WMJY 93.7 MS Biloxi, call+ "Magic 93.7" over WBLK Depew, r\$ 977

JUNE 20, 1999 e-skip & tropo continued

1037 KCIL 107.5 LA Houma, call, k\$ 1104 prev. Meteorscatter

1043 KUMX 104.1 LA Houma, "Mix-104.1" +call, r\$, over WHTT Buffalo 1075

1053 WUSW 103.7 MS Hattiesburg, call, o\$ 932

1157 WMC 99.7 TN Memphis, call, r\$ 775

1200 KGPO 99.9 AR Monticello, ID, r\$ 923

1219 CBLA2 ONKitchener, ID, c\$, test. 145

JULY 1999 DX

4 e-skip & tropo

0855 WKPX 88.5 FL Sunrise, call, \$ 1098

0911 WAMR 107.5 FL Miami, I\$, SS 1112

1059 WVEP 88.9 WV Martinsburg, WV Public Radio Network ID, \$ 198

9 e-skip

2114 KGGG 94.7 KS Sterling, call, o\$ 1070

2123 KICY 106.5 MO Liberty, "106.5 The City"j\$, over WYRK Buffalo863

2126 KZBZ 104.9 KS Salina, " Breeze 104.9" mr\$ 1032

2132 KGOZ 101.7 MO Gallatin, call, k\$ 807

2134 KSKG 99.9 KS Salina, call, k\$ 1024

10 tropo

0704 WKHJ 104.5 MD Mountain Lake Park, call, rm\$ 184

11 Meteorscatter

0906 KBOE 104.9 IA Oskaloosa, call, \$ 731

Dave

WE TAKE RADIO TO NEW DEPTHS!

NORTHERN FM DX

AUGUST 1999

MATTHEW SITTEL - 1731 SCARBOROUGH DRIVE APT. 2-I - BELLEVUE, NEBRASKA 68123

Equipment: Yamaha TX-900U tuner with modified filters, rabbit ears, 2nd floor apartment. 76255.2171@Compuserve.com

JUNE 1999 DX

8 TR

1159 KLNE 88.7 NE Lexington, // KHNE 89.1 200

1256 KRVN 93.1 NE Lexington, "Lite 93", AC 200

9 TR

0729 KESD 88.3 SD Brookings, "SD Public Radio" 225

22 ES

1823 KRQQ 93.7 AZ Tucson, "KRQ", local ment. 1035

1825 KMXZ 94.9 AZ Tucson, "94.9 Mix FM" 1035

2033 KZMG 93.1 ID New Plymouth, "Magic 93.1" 1080

2039 KGZH 98.7 OR Nyssa, "The New Z 98.7", k 1089

2043 KUPI 99.1 ID Idaho Falls, "Kewpie 99" 838

2051 KTPZ 99.1 ID Mountain Home, calls 1021



2058 KTSY 89.5 ID Caldwell, calls 1073

25 TR

0729 KTSD 91.1 SD Reliance, "SD Public Radio" 273

0730 KPLO 94.5 SD Reliance, "Dakota News", k 273

0759 KRSW 89.3 MN Worthington, calls 174

0759 KJTY 88.1 KS Topeka, calls 143

26 ES

0948 WDLA 92.1 NY Walton, calls 1077

0949 WRNQ 92.1 NY Poughkeepsie, "Q 92.1" 1142

0953 WENY 92.7 NY Elmira, Corning ad 991

0959 WFCR 88.5 MA Amherst, U-Mass mention 1211

1008 WYXL 97.3 NY Ithaca, "Lite 97" 1006

1015 WKLL 94.9 NY Frankfort, "K-Rock"1079

1019 WAQX 95.7 NY Manlius, "95-X" 1032

1027 WNTQ 93.1 NY Syracuse, "93Q" 1024

1045 WKXZ 93.9 NY Norwich, "...Chenango, Delaware, Otsego and Schoharie Counties..." 1057

1159 WAMU 88.5 DC Washington, ID 1014

1915 WAJQ 104.3 GA Alma, local ad and ph# 1000

1921 WAOA 107.1 FL Melbourne, Cocoa Beach ad 1254

1923 WESP 102.5 AL Dothan, Ozark ad 902

1923 WTRS 102.3 FL Dunnellon, calls 1130

1927 WGLF 104.1 FL Tallahassee, "Gulf 104" 988

1934 WXTB 97.9 FL Clearwater, "98 Rock" 1177

1936 WOOF 99.7 AL Dothan, "Woof FM" 902

1938 WTVY 95.5 AL Dothan, local ad 902

1957 WIVY 102.9 FL Jacksonville, local mention 1094

1959 WQIK 99.1 FL Jacksonville, ID 1094

2009 WRBQ 104.7 FL Tampa, "Q105", "Tampa Bay" 1191

2011 WMSI 102.9 MS Jackson, "Miss 103"687

2017 WQSM 98.1 NC Fayetteville, local address 1018

2018 WABB 97.5 AL Mobile, local ad 844

2019 WWRM 94.9 FL Tampa,area mention1191

2022 KCIL 107.5 LA Houma, calls 849

2035 WKJN 103.3 LA Hammond, "Cat", area ment. 795

2039 KVVP 105.7 LA Leesville, local ad 706

28 TR

0722 KXAC 100.5 MN St. James, "Lite FM"209

0725 KEEZ 99.1 MN Mankato, local ad 233

JULY 1999

1 ES

1257 KBNR 88.3 TX Brownsville, calls 1055

1301 KRYS 99.1 TX Corpus Christi, "K-99", k 924

1654 WHFS 99.1 MD Annapolis, ad 1039

1659 WYSO 91.3 OH Yellow Springs, ment. 641

1659 WETA 90.9 DC Washington, calls 1014

1702 WHIZ 102.5 OH Zanesville, "Z 102", nx 736

1713 WDAC 94.5 PA Lancaster, York ad 1033

1713 WWSW 94.5 PA Pittsburgh, "3WS" 836

1715 WNCO 101.3 OH Ashland, calls 711

1726 WQMX 94.9 OH Medina, calls 733

4 ES

on the road, northwest of Broken Bow, NE:

1458 KSET 94.7 TX El Paso, local mention

1503 KOFX 92.3 TX El Paso, "Fox", oldies still on the road, Columbus to Fremont, NE area:

1934 WFYV 104.5 FL Atlantic Beach, "Rock 105"

1935 WOCL 105.9 FL DeLand, "Jammin' Oldies"

1938 WDEN 105.3 GA Macon, local mention

1940 WJAD 103.5 GA Lessburg, local ad

1943 WZAT 102.1 GA Savannah, local ad

1943 WNNX 99.7 GA Atlanta, "99X"

1944 WQIK 99.1 FL Jacksonville, calls

1947 WGCO 98.3 GA Midway, ID

Matt Sittel's report continues ...

JULY 4 ES (Broken Bow, NE)

1954 WFXH 106.1 SC Hilton Head Island,
"106 Dot 1, The Fox"
1955 WALR 104.7 GA Athens, area ad
2000 WYFL 92.5 NC Henderson, ID
2001 WDHR 93.1 KY Pikeville, calls
2002 WPVR 94.9 VA Roanoke, "Arrow 94.9"
2012 WFOX 97.1 GA Gainesville, "Fox 97"
2017 WZNY 105.7 GA Augusta, Thomson ad
2025 WKSI 98.7 NC Greensboro,
"98.7 The Point"
2034 WKEE 100.5 WV Huntington,
"100.5 Key FM"
2036 WXRC 95.7 NC Hickory, calls
2038 WJYR 92.1 SC Myrtle Beach, local ad
2041 WFXK 104.3 NC Tarboro,



"Foxy 107 and 104"

2044 WBT 99.3 SC Chester, calls
2050 WKZL 107.5 NC Winston-Salem,
"107.5 KZL"
2053 WRDU 106.1 NC Wilson, "106.1 RDU"
2059 WFDD 88.5 NC Winston-Salem, calls
2100 WETS 89.5 TN Johnson City, calls
2101 WEND 106.5 NC Salisbury, "The End"
2105 WXCC 96.5 WV Williamson, calls
2107 WPMW 92.7 WV Mullens, "Wyoming Co."
now close enough to home to count.
2112 WTCR 103.3 WV Huntington, calls 742
2114 WRAL 101.5 NC Raleigh, "Mix 101.5"
1006
2118 WQBE 97.5 WV Charleston, St. Albans
ad 784
2124 WAVA 105.1 VA Arlington, calls 1011
2131 WHFS 99.1 MD Annapolis,
Laurel ad 1039
2136 WRDX 94.7 DE Dover, calls 1087
5 TR
0719 KMMO 102.9 MO Marshall, calls 201
0724 KYQQ 106.5 KS Arkansas City,
Wichita ad 286
JULY 6 ES
1852 WQOK 97.5 VA South Boston,
"Your K 97.5" 966
1859 WVTR 91.9 VA Marion, ID 830
1905 WQDR 94.7 NC Raleigh, calls 1006

1917 WSFL 106.5 NC New Bern,
"Fox 8/14" ad 1108
1921 WMGV 103.3 NC Newport, Kinston ad 1130
1933 WKSI 98.7 NC Greensboro, "The Point"
940
1936 WRDU 106.1 NC Wilson, Raleigh ad 1045
1939 WWQQ 101.3 NC Wilmington, 1095
"Double Q 101.3"
1939 WSTS 100.9 NC Fairmont, calls 1026
1941 WNCT 107.9 NC Greenville,
"Oldies 107.9" 1075
1943 WFXK 104.3 NC Tarboro, "Foxy 107/104"
1059
1948 WRNS 95.1 NC Kinston, calls 1076
2006 WVOD 99.1 NC Manteo,
local mention in wx 1154
2012 WRHT 96.3 NC Morehead City,
"The Hot FM" 1138
2018 WZFX 99.1 NC Whiteville, "Foxy 1999"
1053



7 TR
1104 KLBA 96.7 IA Albia, local ad 164
ES
1106 WVOD 99.1 NC Manteo,
Nags Head ad 1154
1237 WHFS 99.1 MD Annapolis, calls 1039
1241 WKMZ 97.5 WV Martinsburg, calls 955
TR
1245 KEEZ 99.1 MN Mankato, "Z 99" 233
1316 KQWC 95.7 IA Webster City, calls 144
1319 KWWR 95.7 MO Mexico, area fair ad 254
8 TR
1259 KESD 88.3 SD Brookings,
"SD Public Radio" 225
9 TR
0723 KMCX 106.5 NE Ogallala, Imperial ad 300
0727 KOGA 99.7 NE Ogallala, ad 300
0728 KXNP 103.5 NE North Platte, "KX-104"
251
0729 KPNE 91.7 NE North Platte, //
89.1 KHNE 251
1242 KMMO 102.9 MO Marshall, calls 201
1248 WHTS 98.9 IL Rock Island,
"All Hit 98-9" 281
1259 KIIC 97.9 IA Lamoni,
"Classic Country I-98" 111
1315 KCFX 101.1 MO Harrisonville, "The Fox"
190

Matt Sittel's comments ...

This has been the best skip season for me since 1994, which may be more a testament to the poor seasons in '95-'98 rather than how good this one is so far...but I'll take it just the same! The highlights for me are the logging of new states: AZ, ID, OR, DE and the '+' of DC! That skip, combined with some nice tropo as of late, has boosted my DX log up to 251; nearly 100 new ones in the last month! I hope the second half of skip season is as plentiful as the first half. Best of DX to all...73s Matt.

HARRY J. HAYES - 9 HENRY STREET - WILKES-BARRE, PENNSYLVANIA

Equipment: GE Superradio w/110 kHz filter, 10 element Jerrold antenna in attic, RS amp. RS attenuator for overload New Underlined HJHDesign@aol.com

May 1999

13 Tr
2236 WCHX-105.5 PA Lewistown
22 Es
2200 UNIDs to MN
24 Tr
2030 WPDA-106.1 NY Jeffersonville, rr MX
29 Tr
0425 WLYC-107.9 PA Williamsport, "Star 107.9"
30 Es
2004 KUCV-90.9 NE, Lincoln, Tornado warning
in Lincoln area

June 1999

5 Tr
1344 WJYE-96.1 NY Buffalo
2157 CHUM-104.5 ON Toronto
2222 *WAFX-106.9 VA Suffolk, heard on local
103.9 TX of WKDN-106.9, no sign of
WKDN for about 15 minutes.

6 Tr

0659 WFRE-99.9 MD Frederick, solid sig.

12 Tr

0600 WNCT-107.9 NC Greenville, good
sig. "Oldies 107.9", "Eastern Carolina's
official at work station" about 390 mi.
0608 WTHN-99.3 NY Ellenville, "Thunder
Country 99.3"
0635 WZLX-100.7 MA Boston
0733 WBKT 95.3 NY Norwich, "Big Cat 95.3" and
place names. calls unknown for this
(Harry, these are the correct calls - grc)
0901 WSQC-91.7 NY Oneonta, WSKG ID's



Not a bad start to the season so far. Early to mid June was lacking in any FM skip but this was made up by almost unheard of tropo here in the month of June. Usually the tropo don't get underway here until well in July. I'm using a "new" set-up here this year, an FM quad loop that I built in 1979. What makes it new is that I am using it in the attic facing north. It picks up in a wide figure 8 pattern. It should do a good job picking up the MS from the upper midwest and any aurora if it develops. I'll tell you this, I never thought I'd pick up NC on it, since it is on the opposite side of the house from NC and I have a high ridge in this direction. Such were the extraordinary CX of the morning of 6/12. I bet you guys on the east coast had some record catches.

June 17 Es

1500 WAOY-91.7 MS Saucier
1525 WKCN-99.3 GA Lumpkin, "Kissen 99.3"
1600 WRKE-89.3 LA Baton Rouge, "89.3 in
Baton Rouge"
1600 WALN?-89.3 UNID w/Am. Family Radio

18 Es

2030 WJDB-95.5 AL Thomasville, Ment. Clarke
County, Thomasville & Jackson

26 Es

0920 CHOS-95.9 NF Rattling Brook, "OZ
Radio" w KC Kasum
0923 CHOZ-94.7 NF St. Johns, Not quite as
strong as 95.9
0930 KKSD-104.3 SD Milbank. "Oldies 014.3"
0933 VOXM-97.5 NF St. Johns, Rick Dees show,
ID
0945 UNID FF-95.9
1125 KSOU-93.9 IA Sioux Center
1130 KGLI-95.5 IA Sioux City, "KG-95"
1133 KSOE-94.7 MN Caledonia, "K-Soft",
tentative
1138 KWOA-95.1 MN Worthington, "KO-95"
1145 KQPR-96.1 MN Albert Lea, "Power 96",
tentative
1200 KNSW-91.7 MN Worthington, ID
1950 KSCS-96.3 TX Ft. Worth
2000 KCBI-90.9 TX Dallas
2048 WRNO-99.5 LA New Orleans
2048 UNID-99.5 SS
27 Tr
0905 WIII-99.9 NY Cortland

JIM RENFREW - 61 WILCOX ST - ROCHESTER, NEW YORK 14607-3832

JimRenfrew@Delphi.com

June 20 Es (MUF 106.1 GA/AL/LA/TX)

1000 90.9 WJWV GA Ft. Gaines 903
 1015 90.9 KCBI TX Dallas 1268
 1028 104.9 WSLY AL York 940
 1030 92.3 WCKW LA LaPlace 1152
 1050 106.1 UNID Oasis Car Wash for 94 cents (note 1)

June 24 Es (MUF 104.9 KS)

1114 91.1 KCFNT KS Wichita (based on skip zone) 1105
 1138 90.9 KHCT KS Great Bend "Radio Kansas" 1157
 1139 104.9 KZBZ KS Salina - music (not ads) // 104.3 1086
 1143 104.3 KVGB KS Great Bend - // 104.9 (not ads) 1157
 1150 93.7 UNID k, either KYEZ or KAIR
 1159 89.5 KHCD KS Salina // 90.9 "Radio Kansas" 1086

June 26 Es (MUF 107.9 KS/MO/IA/IL)

1015 89.1 UNID Car Talk, KMWV?
 89.5 UNID Car Talk, KOPN?
 90.9 UNID Car Talk, KCMW?
 1015 91.1 KCFNT KS Wichita (based on skip zone) 1105
 1018 94.9 KCMO MO Kansas City "Oldies 95" 928
 1021 93.7 KTUF MO Kirksville "K-tough" 800
 1026 94.5 KJCK KS Junction City "The Big Cat" 1042
 1030 92.3 KCCV KS Olathe "Life 92" 946
 1031 106.1 KXKU KS Lyons "Kicks 106" 1123
 1033 106.5 KICY MO Kansas City - local ads, correct calls? 928
 1035 107.9 KLTE MO Kirksville - call-in show 800
 1037 94.5 KRXL MO Kirksville "The X" 800



Today's Country Favorites

1038 93.7 KYEZ KS Salina "KY 94" 1086
 1039 94.7 KGGG KS Sterling "Kansas Cellular ad" 1123
 1044 92.3 UNID "New Rest Bedding in LaQueed" (note 2)
 1050 96.9 KFIX KS Plainville - local ads 1160
 1057 107.9 KZLSt KS Great Bend "light speed" slogan? 1157
 1059 95.9 KIJK IA Fairfield - legal ID, "Oldies Radio" 753

June 26 Es cont.

1100 89.5 KHCD KS Salina - affiliate list 1086
 1101 92.1 KREP KS Belleville - local ads 1063
 1102 94.7 KSHet MO St. Louis "Real Rock Radio" 728
 1102 93.7 KAIR KS Horton - call letters 956
 1103 92.1 UNID "Oldies 92.1" (note 3, see next item)
 1108 92.1 KREpt KS Belleville - "In Mankato ...KR 92"
 1109 104.9 KBOE IA Oskaloosa - call letters 781
 1110 89.5 UNID Drama about a refugee from El Salvador
 1116 90.9 UNID Car Talk (note 4)
 1120 92.1 WNNK IL Carthage - local ads (note 5) 723
 1123 98.5 KSAJ KS Abilene "Oldies Radio" 1064
 1130 92.3 KBUGt MO Osceola "Elks Lodge in Clinton" 916
 1132 94.5 KJCK MO Junction City 1042
 1139 107.1 UNID KS "baseball up in Manhattan"
 1140 97.1 KNIM MO Maryville 912

June 30 Tr

1258 90.3 WAMC NY Albany - aaffiliate list, over CJBC! 190

July 1 Es

1620 91.1 WCIEt FL Lakeland - religion
 1625 94.9 CIMF PQ Hull - good tropes during Es
 1627 91.9 WYFot FL Lakeland - religion
 1629 96.9 WKQL FL Jacksonville - "Cool 96.9", local ads
 1635 100.9 WYGCt FL Gainesville - shipwreck interview
 1645 98.3 WWRZ FL Arcadia - "The Rose"
 1647 90.9 WJWV GA Ft. Gaines - NPR, local ID
 1735 90.3 WMAH / WMAV MS Mississippi weather
 1745 90.3 WBRH LA Baton Rouge - ticket give-away
 1748 94.9 WKSJ AL Mobile "95 KSJ"

July 6 Es (AL/MS/TN/AR/TX/NF MUF 104.9 at least)

0950 97.5 WABB AL Mobile
 0957 104.9 WFXO MS luka - Corinth ad
 1010 97.1 WOKK MS Meridian - local ads
 1015 104.9 WYOK MS Moss Point - "Classic 104", local ads
 1020 89.5 UNID "Through the Bible" with J. Vernon McGee
 1021 95.9 WBBN MS Laurel - "B-95"

Jim Renfrew's report continues ...

July 6 Es cont.

1025 Break for appointment - drat!
 1056 91.3 WHIL AL Mobile
 1100 104.9 WZFL MS Centreville
 1103 91.3 WMPN MS Jackson - PRM
 1103 88.9 WMAU MS Bude // 91.3
 1105 91.1 WKNM TN Memphis - clear ID on tape as "WKNM", not WKNO as in FMA
 1108 91.9 UNID religion, WMBV (unneeded)
 1109 90.9 WMAO MS Greenwood - PRM
 1110 98.3 UNID Talk show, baseball scores
 1122 99.3 UNID conservative talk show
 1124 101.7 KARN AR Humnoke - KARN 920 promos
 1137 90.9 UNID TN? - talk show with "Morgan", caller "Jennifer" from Clarksville
 1515 94.7 UNID Ad for Westside Charlie's (OZ?)
 1521 98.7 CBCB ON Owen Sound - strong, never heard before, with CBC program
 1530 94.7 CHOZ NF St. Johns - OZ FM, local ads
 1610 90.3 CBNM NF Marystown - Fisheries Report
 1625 97.5 VOCM NF St. Johns - Magic FM, local ads, no call letters

July 7 Es (MUF to at least 106.5, hard to tell with 107 congestion here)

1120 90.3 WBRH LA Baton Rouge
 1122 90.9 KSWP TX Lufkin
 1125 94.7 UNID "ARROW 94, rock n' roll classics" (WTYX Jackson, MS - grc)
 1129 94.3 WTIK LA Galiano
 1130 95.7 UNID "JAMS"
 1134 94.9 WKOR MS Columbus
 1134 95.7 KSYR LA Minden "STAR"
 1139 97.1 WOKK MS Meridian "OKK"
 1140 97.3 KMDL LA Kaplan "THE DOG"
 1141 97.7 WTYL MS Tylertown
 1142 98.3 WJDR MS Prentiss
 1142 96.1 KRVE LA Brusly "THE RIVER"
 1145 99.3 UNID "THE PULSE" (MAYBE LOCAL WFSW)
 1145 101.1 UNID INTERSECTION HIWAYS 35 AND 365
 1156 101.1 UNID "ROCK 101"
 1201 100.9 UNID news: Soda County, Northwest Com Col.
 1208 100.9 WKBB MS WEST POINT 100.9 UNID Ford Country Electric Power Association
 1213 102.1 UNID "JAMS, MAGIC OLDIES"
 1213 94.7 UNID Weather from WTVF?
 1214 98.7 KLUV TX DALLAS "K-LOVE"
 1219 102.1 KOYS ?? ?????? (same as 102.1 above?) (Probably

not. I think this one is KQIS Basile, LA - grc)
 1220 101.1 KBON LA Mamou
 1221 98.7 WJKK MS Vicksburg "JACKSON'S BEST MIX"
 1222 100.7 KBBQ AR Fort Smith (heard on 100.9)
 1225 101.9 WZKZ NY Alfred (token Tropes)
 1227 96.9 KZMZ LA Alexandria
 1232 95.7 ????? MS Charleston "SOLID GOSPEL"
 1232 95.7 KKAJ OK Ardmore
 1235 95.9 WCNA MS Potts Camp
 1238 105.7 KVVP LA Leesville "COUNTRY 105"
 1239 95.9 KUUZ AR Lake Village "THE CUZ"
 1240 105.7 KMCK AR Siloam Springs "POWER 105"
 1241 100.1 KRWV LA Bastrop
 1242 104.9 UNID (two stations // C&W) 95.9 UNID (two stations //C&W)
 1243 94.7 WTYX MS Jackson
 1245 101.9 KNOE LA Monroe
 1258 90.3 MS Oxford-Biloxi "PRM"
 1259 90.7 KLSA LA Alexandria
 1301 94.7 KTTS MO Springfield
 1310 92.3 KCUU TX Marshall
 1315 94.7 KQSR OK Oklahoma City
 1316 91.1 KCFN? KS Wichita "AFR"
 1317 104.9 KREK OK Bristow
 1318 92.1 KOAS OK Broken Arrow
 1319 104.9 KRIG OK Nowata



Radio Kansas provides in-depth News Classical Music & Nightcrossings to one million Kansans, approximately one-half the state's population.

KHCC 90.1 FM Hutchinson Wichita
KHCD 89.5 FM Salina Manhattan
KHCT 90.9 FM Great Bend Iiava

Jim Renfrew's report continues ...

JULY 7 ES continued

1324	96.9	KKOW	KS	Pittsburg	
		"THE COW"			
1325	101.1	UNID		"The family's kay-ess-oo-tay" (ENGLISH)	
1326	89.5	KVNE	TX	Tyler	
1327	97.5	KQUS	AR	Hot Springs	
		"K-USA"			
1330	92.3	KIPR	AR	Pine Bluff	'JAMS'
1339	104.9	KFFX	KS	Emporia	
		"WWW.THEFOX.COM"			
1340	95.7	KSSN	AR	Little Rock	
		"KISSIN COUNTRY"			
1352	90.1	UNID			
		1-800-YESHUA1		program ends	
1355	94.3	KCVW?	KS	"Barnacle Bill's, Big Thunder Plunge"	

JULY 7 ES continued 1358 89.5

		KHCD	KS	Salina	
		(water theme park)			
1405	90.3	KBUZ?	KS	Salina	
		"AFR" // 91.1			
1410	90.9	KHCT	KS	Great Bend	// 89.5
1417	104.3	KVGB	KS	Great Bend	
1420	91.9	UNID			
		TALK OF THE NATION, NPR			
1455	88.5	UNID			"AFR"



Note 1: Might this be a // to something around 94 Mhz?

Note 2: There is a Lake Quivara KS, LaQuey MO

Note 3: There is a Mankato near stations in KS (KREP) and MN (KRUE); but FMA gives "KR-92" slogan for Belleville. However KREP is not oldies according to FMA or BYB. There is also a KRLS in Knoxville IA.

Note 4: Pledge drive during "Car Talk", with listener in Lincoln NE, but this may have been a national drive for NPR. Telephone number heard was 472-2200 (may have missed 800 prefix)

Note 5: FMA lists this as WZBN, FCC database lists this as WNNK.

My home is a terrible location for FM DX, so I always DX from the car. But the 6/26 loggings were from my driveway, as I could not leave home with my son sick in bed (the car was under his window!). Es continued on TV until at least 2102. My car battery died at 1145 (that's what Es will do to your brain). By the time AAA jumped me, I was no longer noting Es on FM. Thanks to several DXers who offered IDs from my initial posting, and to any who can help with the UNIDs above.. Can anyone clarify what I was hearing as "WKNM"? Thanks! Still reviewing my tapes for more hidden clues. Looking forward to the new FMA! My wrist hurt after 3 hours of this. Help with UNIDs always appreciated, and thanks to those who have helped with my previous reports. Jim

CHARLES BERNTH - P.O. BOX 236 - EASTPORT, NEW YORK

Equipment: Adcom GTP-400 tuner, RS antenna cbemth@banet.net

JUNE 1999 TR

6 TR					
0739	WETA	90.9	DC, Wash	calls	272
0740	WPFW	89.3	DC, Wash	calls	
0746	WAMU	88.5	DC, Wash	calls	269
0820	WBIG	100.3	DC, Wash	"Oldies 100"	264
0836	WJBR	99.5	DE, Wilmington	calls	
0849	WBEB	101.1	PA, Phila	"B-101"	146
6/10 Tr					
1100	WPVQ	93.9	MA, Turners Falls	calls	117
1124	WRWD	107.3	NY, Highland		
	"Cat Country 107.3"				92
1451	WRVE	99.5	NY, Schenectady	calls	
1454	WHMP	99.3	MA, Northampton	calls	106

11 TR

1120	WGIR	101.1	NH, Manchester		
	"Rock 101"				158
1125	WBQX	106.9	ME, Thomaston	classical	
1134	WTHT	107.5	ME, Lewiston	calls	247
17 ES					
1518	KJEF	92.9	LA, Jennings	"Cajun Country 92.9"	
1519	WJXN	92.9	MS, Jackson	calls	
1520	WTUG	92.9	AL, Tuscaloosa	calls	
1522	WQCK	92.7	LA, Clinton	"The Bridge"	
1526	WHJT	93.5	MS, Clinton	calls, "Alive"	1139
1535	WZBQ	94.9	AL, Carrolton	"ZBQ"	
1549	WYSE	93.3	MS, Houston	calls	
	"Sunny 93.3"				

Charles Bernth's report continues ...

JUNE 17 ES

1551	KQID	93.1	LA, Alexandria	"Q-93"	
1603	WDTL	92.9	MS, Cleveland	calls, "Delta Country"	1103
1616	KOLL	94.9	AR, Maumelle	"Cool 95"	
1620	unid	94.5	"K-94.5"		
20 ES					
0948	KSBH	94.9	LA, Coushatta		
	"The River"	1296			
1015	KRUF	94.5	LA, Shreveport	"Big Dawg 94.5"	1301
1043	WKNQ	90.7	TN, Dyersburg	calls	965
1103	KKPT	94.1	AR, Little Rock	calls, "The Point"	
1137	WJAB	90.9	AL, Huntsville	calls	865



JUNE 24 ES

1030	WOZZ	93.5	WI, New London	calls	845
1149	KJLT	94.9	NE, North Platte	calls	1466
26 ES					
1010	KGGO	94.9	IA, Des Moines	calls	
1015	KKOT	93.5	NE, Columbus	calls, "Coyote Country"	
1028	WOW	94.1	NE, Omaha	calls	
1032	KRNA	94.1	IA, Iowa City	calls	995
1050	KNEN	94.7	NE, Norfolk	calls	
		1290			
1106	KKMA	99.5	IA, LeMars	"Oldies 99"	1219
1126	KIAQ	96.9	IA, Clarion		
	"Hot Country K-97"				1112
1140	WKOR	94.9	MS, Columbus	calls	
1150	WYSE	93.3	MS, Houston	"Sunny 93.3"	
1155	WPCH	94.9	GA, Atlanta	"Peach 94.9803"	
1158	KCMO	94.9	MO, Kansas City	"oldies 95"	1164
1231	WRNO	94.5	WI, Eagle River	calls	
1237	WPZM	93.3	TN, Tullahoma	calls	846
1241	KIOA	93.3	IA, Des Moines	calls	1079
1312	WPKR	99.5	WI, Omro	calls	851

SAUL CHERNOS - 57 BERKELEY ST - TORONTO, ONTARIO CANADA M5A 2W5

schernos@torfree.net

MAY 1999 DX

30 TR (Toronto - Aurora West)					
0800	CHKS	106.3	ON Samia	Pink Floyd	
				And open carrier (test)	
30 ES (Burnt River)					
1959	WIGH	88.7	TN Lexington		
2000	WKNA	88.9	MS Senatobia		
			WKNO network ID		
2001	KLSA	90.7	LA Alexandria	"Red River Radio"	
2002	WOGY	94.1	TN Germantown	"Froggy 94 WOGY"	
2003	WTCD	96.9	MS Indianola	g	
2014	KLNE	88.7	NE Lexington	T-storm	
			Alert		
2038	unID	93.9	(Storms in north-east NE)		
2047	unID	90.3	(Tornado headed for south-Central NE)		

JUNE 1999 DX

6 TR (Toronto - Dufferin)					
1010	CHKS	106.3	ON Samia	test w/ "K-106.3"	
				(519)542-0372x330	
1020	unID	104.9	"The station for the best variety" rm		
1030	WNFA	88.3	MI Port Huron	g, CKDX88.5 off air	
6 Es (Burnt River)					
1905	WRMB	89.3	FL Boynton Beach	g	

June 7 Tr (Burnt River)

0705	CKCU	93.1	ON Ottawa	w/CHAY off, Philip Glass Music	
8 MS (Burnt River)					
1445	unID	94.7	WANY-TV	promo (WPHD Tioga-Elmira, with ad for WENY-TV? -grc)	
1457	WVSR	102.7	WV Charleston	"Electric 102.7"	
8 Tr (Burnt River)					
1500	WKSB	102.7	PA Williamsport		
9 Tr (Burnt River)					
0825	CKNR	94.1	ON Elliot Lake		
0957	CBL-2	90.7	ON Paris	CBC-R-2 test c, 416-205-3444, 6am Jun19	
1302	WASB	105.5	NY Brockport	g	
9 Es (BR)					
1824	KSKL	94.5	KS Scott City		
1828	KXCV	90.5	MO Maryville	NPR	
1837	KTJY	88.1	KS Topeka	"Happy birthday Joy FM" (13 years)	
2012	KCSU	90.5	CO Fort Collins	pr, 491-5278/K CSU	



Saul Chemos' report continues ...

JUNE 10 Tr (Burnt River - Minden)

0756 WCIZ 93.3 NY Watertown "Z-93"
0800 CJTT 104.5 ON New Liskeard

10 Es (Burnt River)

1809 WWMS 97.5 MS Oxford
1818 KJEF 92.9 LA Jennings
1825 KIPR 92.3 AR Pine Bluff
"Power 92"
1830 KOOJ 93.7 LA New Iberia
"Cool 93.7"
1832 WTYX 94.7 MS Jackson "Arrow 94"
1938 unID 92.9 French talk, heard a fair bit
(probably KJEF Jennings, LA - grc)

ARROW 94

1840 KSMB 94.5 LA Lafayette
1850 KLDE 94.5 TX Houston "Oldies 94.5"
1851 KRTS 92.1 TX Seabrook "K-Arts"
1858 unID 94.1 The New South (Dodge),
Andalusia (Pensacola, Florida - grc)
1859 KAMU 90.9 TX College Station
1905 WMPR 90.1 MS Jackson
1910 KXKC 99.1 LA Lafayette
"Hot Country 99.1"
1912 unID 93.9 "93.9 FM...enjoy the songs &
the Memories" ezi
1931 KSHP 90.9 TX Lufkin

11 Tr (Toronto - Aurora East)

0036 CBL-2 90.7 ON Paris CBC-Radio-2 test
c, 416-205-3444

16 GW (Downtown Toronto)

0700 VF7063 106.3 ON Toronto "Jump-
FM...Aboriginal Voices Radio"

19 Es (London ON)

2018 WTYS 94.1 FL Marianna "Real gospel,
WTYS-FM"

20 Es (Toronto - Bluffs)

1023 WPLA 93.3 FL Callahan
1042 WVAS 90.7 AL Montgomery
1050 WBHJ 95.7 AL Tuscaloosa "95-7-Jams
plays hip-hop"
1110 WAVW 94.7 FL Gifford
"Wave Country 94.7"
1131 WQUE 93.3 LA New Orleans
1133 WSLY 104.9 AL York
1140 WTIX 94.3 LA Galliano
1148 WOKK 97.1 MS Meridian
1150 WKZV 94.3 MS Bay Springs "The Pine
Belt's KZ-94"
1152 WNSL 100.3 MS Laurel
1155 WRNO 99.5 LA New Orleans
1158 WEZB 97.1 LA New Orleans "B-97.1"
1209 WCKW 92.3 LA LaPlace

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082

Equipment: Carver TX-11 receiver, Sherwood AM/FM rx, Stereo Probe 9 at 30', Bolin phase box with phase antenna. mbugaj@snet.net

May 1999 DX

10 Es
1710 KSMB 94.5 LA Shreveport rock
1717 KJEF 92.9 LA Jennings
Cajun Country 92.9
1720 WYDY 101.7 LA Gluckstadt Y-101.7
1722 KRRV 100.3 LA Alexandria country

22 Es
1128 WZZR 92.7 FL Stuart rock
1129 WCMQ 92.1 FL Hialeah ss
1123 WIKX 92.9 FL Port Charlotte
Kick Country

23 Es
2029 WBLX 92.9 AL Mobile
2031 WMEZ 94.1 FL Pensacola
2034 WKSJ 94.9 AL Mobile country
2021 WTIX 94.3 LA Galliano

30 Es
1928 KCMO 94.9 MO Kansas City Oldies 95
1930 WCRJ 94.9 RI Block Island

KCFM 94.1
Classical Radio

Mike Bugaj's report continues ...

JUNE 10 TR

and now the fun begins...

2331 CJLS 96.3 NS Barrington
Goldmine, oldies pgm

11 TR

0700 CFRQ 104.3 NS Halifax classic rock
0700 CBH 102.7 NS Halifax cbc
0703 CIOO 100.1 NS Halifax rock
0705 CJLS 93.5 NS New Tusket
0707 CBHY 92.1 NS Yarmouth
0710 CBAF 102.3 NB Fredericton, French
0713 CHFX 101.9 NS Halifax, k
0729 CBAF 107.3 NS Yarmouth, French
0732 CKTO 100.9 NS Turro,
extremely strong signal

C 100 ^{FM}

0800-0930 All Halifax FM very intense. This was one whopper of an opening. Areas W and NW were unaffected. I'm glad there was some tropo because there sure was not any Es around. 1800 CBH and CFRQ still there, but gradually fading out until they were almost gone by 9pm. One of the best maritime openings I've seen in years. Mike

JOHN J. RIEGER - 801 SHERMAN AVE - S. MILWAUKEE, WISCONSIN 53172

Equipment: Radio Shack DX-398 stock whip, with RDS. Web: <http://www.angefire.com/wi/dxmidamerica>,
e-mail: johnrieger@webtv.net RDS: IDed on RDS

JUNE 1999 DX

26 Es
1831 WRWA 88.7 AL Dothan, NPR prog?
RDS
1845 WRKX 96.1 FL Bonita Springs, "96 K-
Rock" and local ads, AOR
1902 KROM 92.9 TX San Antonio, full ID in
EE, "Estereo Latino" in SS
1912 KIVY 92.7 TX Crockett, c&w, local ads
and mentions
1931 KEDT 90.3 TX Corpus Christi, jazz,
RDS
1937 KPLX 99.5 TX Fort Worth, "here in the
Metroplex"
1937 KISS 99.5 TX San Antonio, "99-5 Kiss"
1940 KRBE 104.1 TX Houston, calls, Top 40
1941 KGAS 104.3 TX Carthage, "KGAS AM &
FM", local ads
1944 KLUX 89.5 TX Robstown, calls, jazz
1951 KKBQ 92.9 TX Pasadena, jock jingle,
"93 Q Country"
2020 KNZ 88.1 TX Abilene, web address
"on KNZ", Christian 20 countdown
o/WMMVK!
2027 KCY 100.3 TX San Antonio, c&w,
"Y100-100% San Antonio"
2030 KINL 92.7 TX Eagle Pass, "93FM"
RDS

JUNE 11 TR cont.

0744 CBAF 92.3 NS Halifax
2115 WYFI 99.7 VA Norfolk, very strong
2115 WPNT 94.9 VA Norfolk the Point
2135 WRSF 105.7 NC Columbia, k
2156 WANG 101.1 NC Bellhaven
2220 WXNR 99.5 NC Grifton, New Rock 99
12 Tr
0016 WFXK 104.3 NC Tarboro Foxy 107/104
0023 WRVQ 94.5 VA Richmond
0028 WSRV 92.3 VA West Point
0035 WDSO 92.9 DE Smyrna
0036 WERO 93.3 NC Washington
Today's Best Variety
0111 WGNI 102.7 NC Wilmington
0117 WKIK 102.9 MD California country
0136 WLIF 101.9 MD Baltimore
0810 CBHA 90.5 NS Halifax

2056 KTSM 99.9 TX El Paso, "99.9 Sunny
FM", full ID, Lite Hits
2056 KGEE 99.9 TX Monahans, "KG100" and
full ID, c&w, last heard as MS
2100 KKKK 101.3 TX Crete, "Quad K", religion
SS, full ID

2103 all skip faded out!

JULY 1999 DX

1 ES
1641 KKRW 93.7 TX Houston, how to get to
concert, "Arrow 93.7"
1655 KWRD 94.9 TX Arlington, Rel, RDS
1658 KALK 97.7 TX Winfield, "K Lake 97.7"
1700 KBRQ 102.5 TX Hillsboro, "Rock 102-5
The Bear", 5 o'clock traffic jam, AoR



John Rieger's report continues ...

JULY 1 ES cont

- 1701 **KAZC** 88.3 OK Tishomingo
"Tishomingo's Pop Hits Station 88.3 KAZC"
1706 **KVOO** 98.5 OK Tulsa, "KVOO News",
c&w
1710 **KLXK** 93.5 TX Breckenridge, Paul
Harvey Rest of the Story, RDS
1712 **KGZ** 88.1 TX Abilene, no local
WMWK! REL via RDS
1713 **KROW** 92.5 TX Abilene, "Abilene's
Favorite Oldies Cool 92"

4 ES

- 2004 **KSYE** 91.5 OK Frederick, cont. Chr.
2007 **KNIN** 92.9 TX Wichita Falls, "92-9
KNIN" top 40
2012 **KGZ** 88.1 TX Abilene
2016 **KMGZ** 95.3 OK Lawton, "Magic 95" top
40
2022 **KLUR** 99.9 TX Wichita Falls, c&w
2025 **KPLX** 99.5 TX Fort Worth, "The Wolf",
c&w
2029 unID 94.7 ?? "...Z 94.7" Top 40
(John, could this be KIXY San Angelo, they
are "Kicksie 94.7", and in your PTA - grc)
2032 **KNFM** 92.3 TX Midland, Crook/Chase,
c&w
2033 **UNID** 104.3 Rangers/Mariners BB,
2035 **KPCH** 97.7 LA Dubach, "K-Peach 97.7
FM"
2039 **KXXY** 96.1 OK Oklahoma City, "KXY
Matchline"
2045 **KWFS** 103.3 TX Wichita Falls, RDS
2051 **UNID** 99.5 KVCQ?? // Cuero 97.7?
2055 **KCRN** 93.9 TX San Angelo, RDS
2100 **KVRP** 95.5 TX Haskell, AM/FM ID
2104 **KERA** 90.1 TX Dallas, RDS
2111 **KJSR** 103.3 OK Tulsa, "Star 103", local
wx
2121 **KWRD** 94.9 TX Arlington, RDS
2122 **KCBI** 90.9 TX Dallas, RDS
2130 **UNID** 104.3 "Mix 104.3 80's 90's and
the new millenium", skip then fizzled out

6 ES

- 1706 **KVOO** 98.5 OK Tulsa, "KVOO nx", c&w

- 1807 **WCCJ** 92.7 NC Harrisburg
1820 **WWXM** 97.7 SC Georgetown, remote,
local ments "Mix 97.7" top 40
1833 **WEGX** 92.9 SC Dillon, calls, NASCAR
show
1902 **WUFT** 89.1 FL Gainesville, RDS "FT-
FM"
1920 **WTNT** 94.9 FL Tallahassee c&w
"Tallahassee's 94-9 TNT", request #
1920 **WWRM** 94.9 FL Tampa, Tampa Bay's
Warm 94.9 FM" soft AC
1921 **WXTB** 97.9 FL Clearwater, local ads
"98 Rock", AoR
1932 **WOBB** 100.3 GA Tifton, "B100", c&w
1932 **WSHE** 100.3 FL Orlando, oldies, RDS,
1937 **WFJO** 101.5 FL St. Petersburg, "Tampa
Bay's Jammin' Oldies - JO"
1945 **WHPT** 102.5 FL Sarasota "102-5 The
Point" local ments
1946 **WOMX** 105.1 FL Orlando, "Mix 105.1"
1947 **WXXL** 106.7 FL Tavares, "XL 106.7 A
Chancellor..." Top 40
1951 **WAOA** 107.1 FL Melbourne "WA1A" on
RDS, Top 40
2009 **WGNE** 98.1 FL Titusville, "Daytona's
Jumpin Country 98 Frog!"
2037 **WEAZ** 88.3 FL Union Park, "Orlando's
Positive Hits Station - Z 88.3"



POSITIVE HIT MUSIC

8 TR

- 2147 **WBKR** 92.5 KY Owensboro, call ID,
Budwiser countdown, c&w
2157 **WGNB** 89.3 MI Zeeland, full ID "Good
News"
2159 **WCNF** 94.9 MI Benton Harbor, "New
94-9 The Coast", hot AC

Thanks to **Rich Shaftan** for hosting this year's great
**WTFDA 1999 Convention, in Northwestern New
Jersey!** Look for an announcement regarding locations
of up-coming conventions soon!

MIKE CHERRY (VE7SKA) - 362 SKY VALLEY RD - SALT SPRING ISLAND,

BRITISH COLUMBIA V8K 2C3

Equipment: Magnum Dynalab FT-101A Ftude w/Magnum Sleuth 105 pre-amp mcherry@saltspring.com

JUNE 18, 1999 ES

- 2012 **KPRN** 89.5 CO \$ classical mx, stn
announcements
2017 **KVXA** 99.7 CO local ads, k mx
2023 **KRTZ** 98.7 CO promo, ads
2032 **KVFM** 94.5 UT \$, wx, op music
2036 **KRSJ** 100.5 CO ads
2044 **KNMI** 88.9 NM promo for local
churches
2047 **KLCY** 105.9 UT local mention
2050 **KTRA** 102.1 NM \$ wx, "N.M.'s best
country"
2053 **KKOR** 94.5 NM \$, local ads
2057 **KGLX** 99.1 NM \$, legal ID

- 2059 **KTDB** 89.7 NM legal ID
2101 **KSJE** 90.9 NM ID, NPR news
=NEW LOGGING=
2109 **KBOM** 106.7 NM \$, oldies, local promo
2117 **KVWM** 93.5 AZ ads, ez listening mx
2121 **KNNB** 88.1 AZ Native American
program w/ ID



SANTA FE'S GOOD TIME OLDIES STATION

This the first FM Es of the year. So far, MUFs have barely got above ch 2 TV. This is the first
decent 2 days of Es this year! 73 Mike Cherry VE7SKA

NEIL KAZAROSS - 25820 SUNSET LN - BARRINGTON, ILLINOIS 60010

Equipment: RX Onkyo T4087 w/McVey Filter board. Antennas APS-13 and APS-14, Bolin Phase Box
Times CDT neilkaz@interaccess.com



WELCOME
NEW
REPORTER

Was listening to a weak WSIE w/WLUW nulled
on 88.7 when all of a sudden...

JUNE 1999 DX

21 ES

- 1237 **KAZI** 88.7 TX Austin call
1240 **KPAC** 88.3 TX San Antonio call
1244 **KLUX** 89.5 TX Robstown call ads
obliterating semi WNIJ
1247 **KFGG** 88.7 TX Corpus Christi call bible
ad w/KAZI
1250 **KVLT** 92.3 TX Victoria local art store ad
1252 **KTSR** 92.1 TX College Station ads call
1258 **UNID** 91.1 Mexico "temperatura 25
grados" Reynosa ment last half of slogan as
faded. Presumed unn Monclova
1300 **KITE** 92.3 TX Kerrville Legal ID
1300
to UNID's 93.9 AC mx o/u local presumed
KMXR89.1 Texas accent ad o/
1310 semi-WONC had no local ment. 92.9 SS
presumed unn KROM
1310 **KCLE** 92.1 TX Glen Rose ad for Hilltop
Furniture in Granbury

JUNE 26 ES

- 1202 **WFRS** 88.9 NY Smithtown, local rig ads
helped by phasing WSND
1207 **WLNG** 92.1 NY Sag Harbor, local ads and
SID at 1228
1232 **WPBX** 88.3 NY Southampton, dual ID
w/WCWP and ad for Electric Cafe
1232 **WCWP** 88.1 NY Brockville o/u WVPE //
WPBX w/dual ID
1236 **WFDU** 89.1 NJ Teaneck o/WBNI
w/"Que Viva La Musica" pgm
1240 **WSOU** 89.5 NJ S. Orange in and out
w/Newark Bears vs Somerset
Patriots BB w/WNIJ phased

26 GW

- 1330 **WVGE** 88.7 IN Gary local rig pgm of note
only because much stronger WLUW from
exactly the same direction was phased to
reveal this.
Phasing certainly helps in many cases and you
can see that little 550 watt
WFDU was QRM'd by a stn 200 miles away in
the null of semi-local WONC 89.1.



Neil Kazaross' report continues ...

KZ-93

Continuous Country

JULY 1999 DX

1ES
 1834 KWBI 91.1 CO Morrison w/wx, tx and ID
 1838 UNID 88.5 SS rig ment "Valley Worship Center"
 1846 KXTQ 93.7 TX Lubbock..Tejano w/local ads and assume thishrd earlier w/Magic 93.7
 1854 KZTA 92.9 NM Artesia long local ad string KZ-93 ID
 1903 Tent on Lubbock stns on 94.5 and 96.3 o/locals/semi locals but faded during songs

The APS 13 is Ed Hanlon's newest creation. It is 196 inches computer designed 300 ohm antenna designed for superior patterns across the FM band. Gain is superb (ie at least equivalent to the APS-14) but the side nulls and back lobe are often better. The APS-13 is CLEARLY the best FM antenna I have ever used... 73's KAZ 73's KAZ

PETER Q. GEORGE (K1XRB) - 33 STETSON ST APT 2 - WHITMAN, MASSACHUSETTS 02382

Equipment: Honda Car Radio (in house), rabbit ears w/Archer amp radiojunkie@yahoo.com

JUNE 26, 1999 ES

1120 **KNEB** 94.7 NE, Norfolk Live remote,
 1130 **KXCV** 90.5 MO, Maryville Dual KXCV/KRNW ID's
 1135 **KSOM** 96.5 IA, Audibon
 1145 **WPCH** 94.9 GA, Atlanta "Peach 94.9"
 1200 **WVXU** 91.7 OH, Cincinnati Legal ID, NPR
 1210 **WMJJ** 96.5 AL, Birmingham "Magic 96.5", o

KSOM on **BIG** Country

This skip went EVERYWHERE !!! I have never seen such a wide area skip zone in my 30+ years of DX'ing. I got my 6th Canadian Province and I am getting close to the 400 station mark. It's good to be back DX'ing again !!! What a day !!! 73 Peter Q. George (K1XRB) Whitman, Massachusetts

GREG CONIGLIO - 90 SLATE CREEK DR #3 - CHEEKTOWAGA, NEW YORK 14227

Equipment: 1998 Subaru Legacy car stereo coniglio@localnet.com

K92FM

Today's Country & All Time Favorites

JULY 1, 1999 ES

(DX'ing in Williamsville, New York)

1621 **WWKA** 92.3 FL Orlando, wx 1001
 1622 **WZZR** 92.7 FL Stuart, ads 1087
 1624 **WHTQ** 96.5 FL Orlando, AOR 1002
 1624 **WPCV** 97.5 FL Winter Haven, k 1034

I didn't have much time, because I was at work and quickly trying to check out a warning from AMFMTVDX (Thanks!) I have much more DX to report, but it was received on the road, in Southern FM territory, so check out John Zondlo's fine column soon! - Greg

Southern FM DX

John Zondlo - 4009 Driftwood Circle - Yukon, OK 73099
 E-mail: Jzondlo@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, WV, Cuba & Mexico

August 1777

 Doug Smith

1385 Old Clarksville Pike - Pleasant View,
 TN 37146-8098
w9wi@bellsouth.net CDT

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

A sparse June. Unfortunately, I missed much of the two best days (the 21st and 26th) due to previous commitments.

6/30 Tr (locals 101.1, 102.5 & 105.1 off)

0105 **WOWC** 102.5 AL Jasper, "Wow Country" 201
 0133 **WRAN** 98.3 IL Tower Hill, "98.3 Ran Radio" 225
 0520 unID 105.1 ?? ??, "J-105" w/hot AC, WEJT-IL?
 0521 unID 104.9 ?? ??, "Young Country Y-105"
 0600 **WBAAT** 101.3 IN Lafayette, about 15 seconds of classical mx

0656 **KJMS** 101.1 TN Memphis 190
 0701 **WCLU** 102.3 KY Murfordsville, Glasgow ads 83
 0705 **WMLJE** 104.7 TN Henry, Paris ads 68
 0826 **WAGR** 103.9 MS Columbus, calls 214
 0832 **WJDQ** 101.3 MS Meridian, local ads 296
 0836 unID 101.1 ?? ??, contemporary Christian, WFMH-AL?

6/20 Es

0943 **WWWZ** 92.5 CT Waterbury, Middletown Toyota ad 841
 0945 **WRRV** 92.7 NY Middletown, calls 762
 0947 **WHJY** 94.1 RI Providence, local ad 919
 1030 **WAER** 88.3 NY Syracuse, sponsorship anncmt 739

1103 **CBMT** 93.5 QU Montreal, CBC nx 941
 1620 **CIKX** 93.5 NB Grand Falls, local ad, "K-93," and "Canadian Hot 20" 1233
 1657 **CJAB** 94.5 QU Chicoutimi, local ads in FF 1176

6/21 Es

0941 **WZZR** 92.7 FL Stuart, "ZZR," (#1) 744
 1023 unID 92.7 ?? ??, o, "K-93," (#1)
 1303 **KIQM** 99.9 NM Clovis, local nx & ads 918
 1309 **KRMN** 92.7 TX Shamrock, "92.7 KRMN" 739
 1309 **KCRT** 92.5 CO Trinidad, Pueblo ad 962
 1310 **KENWT** 89.5 NM Portales, easy listening 928

6/26 Es & Gw

0930 **CBE-15** 88.3 QU L'Annonciation, Radio Canada// 88.1 (only RC on 88.3) 933
 0941 **WGLX** 100.7 KY Brownsville, "100.7 KLX" & local mentions, new to air 69
 0958 unID 98.3 ?? ??, big band mx in \$ by Es
 1000 **CBLJ** 88.3 ON Wawa, "CBC Radio One in Northern Ontario," (#2)

6/30 Es

1046 **KACU** 89.7 TX Abilene, call ID 767
 1048 **KNFM** 92.3 TX Midland, "92.3 KNFM" & local ads 916
 1050 **KOER** 107.3 TX Post, "www.free107.com" 842
 1056 **KWKQ** 107.1 TX Graham, call ID 690
 1056 **KCHX** 106.7 TX Midland, Odessa ad 903
 1059 **KOHH** 89.1 TX Lubbock, "89.1 FM Lubbock" 859
 1100 **KOIRt** 88.5 TX Edinburg, ID for "La Cadena Christiana" network, doesn't mention any stations on 88.5
 1100 **KICA** 98.3 TX Farwell, Clovis, Muleshoe and eastern NM ads 915
 1125 **KBIM** 94.9 NM Roswell, "94.9 KBIM" 976
 1131 **KCDY** 104.3 NM Carlsbad, "CD 104" 1002
 1131 **KTQM** 99.9 NM Clovis, "KTQM Magic 99.9" 918
 1139 **KBNA** 97.5 TX El Paso, local ads in SS 1151
 1203 **KSEL** 95.3 NM Portales, "K-Sele" & local ads 926

Canadian unIDs:**6/20:**

96.9 FF rock; 89.5 FF talk in mono (probably CJBR); 104.1 FF ads; 88.3/93.1 FF talk in mono (couldn't tell if //); 89.1 FF talk in \$; 94.7 FF; 91.5 & 92.5 CBC news & talk, mono, EE (suspect CBO and CBCD).

6/26:

FF talk in mono: 88.1, 93.1, 97.1, 91.5, 90.7. EE talk in mono: 92.5, 96.1

6/30 unIDs, all PTA west TX/eastern NM:

98.7 easy listening briefly over local WHOP, suspect KMTH
 95.7 "Real Country" satellite feed.
 104.3 "Kiss 104.3" w/CHR (likely KLZK Brownfield TX-jz)
 100.9 "Eagle 100.9" classic r, probably KEJL Eunice NM
 98.1 Rush Limbaugh (likely KKCL Lorenzo TX-jz)
 96.7 "Kiss 96.7 FM" and country format. Maybe "Kicks 96.7?"
 97.7 "Z-Country 97.7"
 89.9 "Passport to Texas" talk show about reintroduction of bighorn sheep to west Texas mountains, probably KACV

Note #1: Had to run an errand in Clarksville that ended up taking all morning. Logged these two and an unID Spanish language talk station on 95.3 (probably Cuba) on the truck radio.

Note #2: Also heard Sudbury and Sault Ste. Marie wx. Thunder Bay (also on 88.3) doesn't carry this.



FM DX Web

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



Fred Laun - K3ZO
5801 Huntland Rd.
Temple Hills, MD
20748
aalaun@ibm.net
EST

Denon TU-800 Tuner, Winegard antenna @ 35'

7/6 Es

- 2122 KMYZ 104.5 OK Tulsa, Tulsa ads 1044
- 2126 KQTP 102.9 KS St. Mary's, Mission Valley Ads 1044
- 2146 KJSR 103.3 OK Tulsa, Tulsa ads 1044
- 2147 KKIX 103.9 AR Fayetteville, "Kix 104," Springdale/Greenland ads 967
- 2150 KRZK 106.3 MO Branson, ID 897
- 2154 KMCO 101.3 OK McAlester, "K-101" and ads for KNED 1150 1068
- 2214 KHPA 104.9 AR Hope, ID 986
- 2229 KITO 96.1 OK Vinita 1000
- 2232 WIBW 97.3 KS Topeka, Kansas City Royals ads 1026



Eric Bueneman (NOUIH) - 631 Coachway Lane-
Hazelwood, MO 63042-1347 - (314) 839-9751
(prepaid only) - E-mail: NOUIHEric@aol.com -
http://members.aol.com/nouiheric/k-index.html

CDT

Realistic STA-90, Radio Shack VU-210XR with Archerotor at 33' AGL. Miles/kilometers.

6/22 Es

- 1922 KKCH 92.7 CO Glenwood Springs, Aspen & Eagle County ads, over WQLZ 905/1456
- 1930 KMBR 95.5 MT Butte, "The Mountains' Best Rock, KMBR," local ads, wx, AOR 1230/1979
- 1935 KZRR 94.1 NM Albuquerque, local ads, calls, AOR 930/1497
- 1940 KODJ 94.1 UT Salt Lake City, "Oldies 94.1," o, local ads 1105/1778
- 1950 KYEQ 95.5 UT Ogden, Bible teaching pgm, mixing w/KMBR 1150/1851
- 1955 KYCS 95.1 WY Rock Springs, ABC hot AC//WQCY 99.5, KCJJ (AM), local ads, calls 1010/1625
- 1958 KXEL 95.1 MT Havre, Focus on the Family, local mentions, mixing w/KYCS 1175/1891

The first Es opening of 1999 brought in a new state on FM, Montana, with 2 stations from Big Sky country, KXEL 95.1 and KMBR 95.5. WFUN's silence on 95.5 has been golden thus far, adding two more stations on that frequency. KYFO was heard on the frequency in addition to the aforementioned KYFO. Also noted a call letter change for KODJ 94.1. It was last heard in December 1994 as KALL. KKCH 92.7 turned out to be only the second Colorado station heard from this QTH. I also re-logged KZRR 94.1 and KYCS 95.1, the latter carrying ABC's hot AC format, the same as WQCY 99.5 and KCJJ 1630.

7/7 Tr

- 2125 WSM 95.5 TN Nashville, "Nashville 95," k 270/435

August 1999

- 2150 KFKF 94.1 MO Kansas City, local ads, calls, k, o/WMMX 230/370
- 2156 KLRQ 96.1 MO Clinton "Q-96," classic hits, slight ACI from KIHT 96.3 185/298
- 2159 KQRC 98.9 KS Leavenworth, "The Rock," AOR, no ACI from KFUO 99.1 255/410
- 2206 KLZR 105.9 KS Lawrence, "The Lazer," modern r, no ACI from KPNT 105.7 255/410
- 2332 KNRX 107.3 MO Lexington, "K-107," rhythmic o, o/WDDD 185/298
- 2355 KQKQ 98.5 IA Council Bluffs, "Sweet 98," in KTJJ null, CHR 335/539
- 7/8 Tr
- 0010 WMC 99.7 TN Memphis, "FM 100," hot AC, no ACI from KFAV 99.9 250/402
- 0012 WQGY 94.1 TN Germantown, "Froggy 94," k, o/WMMX 255/410
- 0045 WWHY 100.9 TN Huntingdon, "100.9 VHY," AC, slight ACI from WVRV 101.1 220/354
- 0106 WKNO 91.1 TN Memphis, classical mx, talk, o/WIBI 250/402
- 0111 WKNP 90.1 TN Jackson, classical mx //WKNO 91.1 235/378
- 0119 WLSZ 105.3 TN Humboldt, "94 dot 3 and 105 dot 3," modern r//WLSQ 94.3 225/362
- 0133 WRBQ 103.5 MS Como, Memphis mentions, R&B o, slight ACI from KLOU 103.3 295/475
- 0150 KBXB 97.9 MO Sikeston, "B-98," k, slight ACI from KYKY 98.1 145/233
- 0157 WMBW 88.9 TN Chattanooga, Christian EZL mx, Bible reading 385/620
- 0204 WGKX 105.9 TN Memphis, "Kix 106," k, ACI from KPNT 105.7 250/402
- 0213 WVVY 106.9 TN McKenzie, "Win 107," k, \$ 210/338
- 0223 WVGW 93.1 TN Alamo, "Solid Gospel," southern Gospel, thru KSGM 220/354
- 0228 WVEZ 97.5 TN Trenton, "EZ 97.5," soft AC, \$ 205/330
- 0302 KKEY 95.9 AR Harrisburg, "Key 96," o, o/WOLG/WDDN 220/354
- 0319 KYLS 92.7 MO Ironton, "Froggy 93," local ads, k, thru WVZA 80/129
- 0324 KIYS 101.9 AR Jonesboro, "101.9 Kiss FM," CHR, \$ 200/322
- 0328 KWFC 89.1 MO Springfield, underwriting annmnts, light CCM 190/306
- 0337 KMMO 102.9 MO Marshall, "Real Radio KMMO," k, o/KEZS 155/249
- 0340 KPRS 103.3 MO Kansas City, calls, KC ments, UC, thru KLOU 225/362
- 0343 KWXD 103.5 MO Asbury, calls, o, minor ACI from KLOU/KPRS 250/402

This opening stretched basically from Chattanooga to Omaha, with different areas dominating at different times. WFUN 95.5's silence allowed me to pull in WSM for the first time since I lived in Georgia. Some of the lower powered stations from western Tennessee made it in, including WWHY 100.9 (x-WVHR). They did give a legal ID as WWHY on the top of the hour. I also managed to add another Mississippi station in WRBO 103.5, and another Memphis-area station in WQGY 94.1. I also added one of my most wanted stations from Missouri, KYLS 92.7 (they never went to 92.9, as far as I know). KKEY 95.9 is now on the air and DX ready with oldies. They dominated at times over WOLG/WDDN. The biggest surprise was hearing

Southern FM DX

Bueneman continued

another DX station through a local, this one being KPRS 103.3 (through KLOU, whose transmitter is about 20 miles south of this QTH). This DX opening was interesting, to say the least!

7/6 Es/Tr

- 1734 WXTK 95.1 MA West Yarmouth, talk pgm, Hyannis ads, o/WRKI/WDZQ 1080/1738
- 1737 WPLJ 95.5 NY New York, "95.5 PLJ," promo, hot AC 880/1416
- 1742 WGXQ 96.7 IL Carlyle, "Oldies 96.7," o, promo, blocking out Es 65/105
- 1744 WHJY 94.1 RI Providence, "94.1 HJY," AOR, through WMMX 1015/1633
- 1758 WALK 97.5 NY Patchogue, "The Great South Bay, WALK," local ads, wx 930/1497
- 1838 WXXM 95.7 PA Philadelphia, "Jammin' Gold 95.7," rhythmic o, through KWWR 820/1320
- 1845 WKDN 106.9 NJ Camden, Family Radio Christian talk, through WDML 830/1336
- 1853 WMGM 103.7 NJ Atlantic City, calls, promo, local ads, hot AC, through KJEL 855/1376
- 1927 WRXL 102.1 VA Richmond, "XL-102," contest promo, r 705/1135
- 1930 WFLO 95.7 VA Farmville, "95.7 Flo FM," local ads, wx, soft AC, through WVCL 660/1062
- 1932 WVCL 95.7 VA Norfolk, "Cool 95.7," o, through WFLO 785/1263
- 1939 WKHK 95.3 VA Colonial Heights, "K-95," wx, ads, k, o/WRXX 715/1151
- 1942 WPTT 94.9 VA Virginia Beach, "The Point," local remote, ads, modern AC 800/1287
- 1948 WFLS 93.3 VA Fredericksburg, "93 WFLS," k, o/WPBG, no KNSX 710/1143
- 2003 WXEZ 94.1 VA Yorktown, "EZ 94," Norfolk ads, PSA, legal ID, soft AC 765/1231
- 2006 WNVZ 104.5 VA Norfolk, "Z-104," dance CHR, through KSLQ 785/1263
- 2008 WJCD 105.3 VA Portsmouth, smooth j, o/KZNN 785/1263
- 2021 WYFI 99.7 VA Norfolk, BBN Christian programming, ACI from WFAV 99.9 785/1263
- 2031 WHRV 89.5 VA Norfolk, j, Norfolk mentions, KCFV off 785/1263
- 2039 WHRO 90.3 VA Norfolk, classical, o/KWUR 785/1263
- 2051 WNOR 98.7 VA Norfolk, local promos, through WNNN 785/1263
- 2106 KLTE 107.9 MO Kirksville, "Decision Today," //KSIV 91.5 155/249
- 2115 KRNA 94.1 IA Iowa City, "94.1 KRNA," AOR, o/WMMX, no KPCR! 225/362
- 2122 KBOB 99.7 IA Muscatine, "Bob Country 99.7," Quad Cities ads, k 185/298
- 2131 KAAN 95.5 MO Bethany, legal ID, Kansas City Royals bb 210/338

Would you believe that Virginia dominated the Es logbook July 6? Plenty of Hampton Roads area stations were in during this opening, plus a pair from Richmond/Petersburg and a new one from Fredericksburg. The skip started in New England and the mid-Atlantic states at 1710, then progressed further south as time went on, finally wearing off around 2100. It was replaced with tropes,

August 1999

as a number of stations from Missouri, Illinois and Iowa were in. 73, Eric (NOUIH)



John M. Jefferson
4104 Spyglass Ct.
Antioch, CA
94509-6051
PDT

McIntosh MR-80 (digital display w/analog tuning), APS-14 antenna (the 196" baby bird perch) @ 40' off the ground, Channel Master rotor

Well, so far 1999 does not get high marks in the skip area. May was a total bust, though that may not have been all its fault. In April we replaced the roof, so the only FM antenna was the ancient 9-element Channel Master @ 7' off the ground in the garage (high winds preclude putting anything in the back yard) until June 13. The baby bird perch went up May 1, but the heavy-duty ham-grade rotor began popping fuses May 2 with the antenna aimed approximately at San Francisco (WSW, the stop point, since the only station I like there is KDFC 102.1 and their Concord booster has trashed them beyond repair here). With time it proceeded to north, which did allow what I suspect was CFMM to boom in one day (see below). The only antenna installer in the county then injured his hand, his assistant had the flu, it was windy (note the amazing direction shift above!) whenever he might have tried the job, etc. And I couldn't get on the roof, even if I felt competent to handle a 14 element antenna. I had major surgery May 19 and am on disability until August.

Another problem is that I still have only rabbit ears for the TV, so my early warning system is not the best, but the fellow wanted some \$200 to remount the VHF antenna, which has an intermittent break in continuity (it fades badly when the weather's dry, like May-October), and we're moving in September anyway (to Auburn WA).

One good point about the new setup. The FM antenna is now 10' higher, with the 20' mast now extended for the first time. Before, I left it lower so the 3 antennas would all be at different heights and not conflict (40' for UHF from ground, 35' for the VHF, 30' for the FM). City rules say max 30' above ground, but it's not enforced rigorously. (What would someone with a 2 story house do, anyway? Mount the antenna below the ridge just to meet that silly standard? Any such standard should be based on height above the roof, shouldn't it?)

5/10 Es

- 2111 KMHA 91.3 ND New Town, ID 1195

Southern FM DX

Jefferson continued

2115 KMHK	95.5	MT	Hardin, "The Hawk" 905
<u>5/27 Es</u>			
2035 CFMMT	99.1	SK	Prince Albert, r, Canada on TV
<u>5/30 Es</u>			
1548 KQNS	95.5	KS	Lindsborg, "Star," central KS refs 1310
<u>6/18 Es</u>			
1331 CKMM	103.1	MB	Winnipeg, s, CKCK-2 on TV
1336 KYYX	97.1	ND	Minot, ad for Dakota Square in Minot 1253
1340 CJKR	97.5	MB	Winnipeg, "Power 97" 1477
1404 KNDK	95.7	ND	Langdon, calls 1393
1417 unID	95.7	??	??, Rock 95 FM (not KNDK, they're Hot 95.7 per phone call)
1435 KYYX	97.1	ND	Minot, Dakota Sq, "Kick FM"
1643 KOFX	92.3	TX	El Paso, El Paso ad 969
1645 KHEY	96.3	TX	El Paso, El Paso ad 969
1652 KOFX	92.3	TX	El Paso, "The Fox" 969
1700 KFMM	99.1	AZ	Thatcher, western NM ad, KCUZ-AM ID w/....FM Thatcher 765
1700 XH??	99.1	CH	Ciudad Juarez, Ciudad Juarez and Cihuahua refs (this is why I lost the KFMM calls above!) 1030
1725 KBIM	94.9	NM	Roswell, calls (distance assumes transmitter still FAR from town as in the 70s) 1030
1732 KROL	99.3	NM	Las Cruces, calls 948
1733 KCHX	106.7	TX	Midland, "Power 106," 1190
1739 KJWV	105.9	TX	Stanton, Odessa ads 1200
1741 KDCC	92.9	TX	San Angelo, San Angelo ad 1294
1756 KNFM	92.3	TX	Midland, calls 1190
<u>6/19 Es</u>			
1032 CFMM	99.1	SK	Prince Albert, Prince Albert ref, "Power 99" 1306
1109 KXNE	89.3	NE	Norfolk, opera/several freqs 1320
1109 KHNE	89.1	NE	Hastings, opera/several freqs 1265
1111 KTNE	91.1	NE	Alliance, opera/several freqs 1041
1115 unID	104.9	??	??, "Oldies 104.9"
1117 KMNE	90.3	NE	Bassett, opera/several freqs 1320
1122 KDCR	88.5	IA	Sioux Center, wx 1391
1129 KMIT	105.9	SD	Mitchell, Mitchell ad 1305
1131 KESD	88.3	SD	Brookings, opera (different from NEPR)/91.1 1372
1135 KCKK	99.7	MN	Marshall, local ads, city names 1424
1139 KSDR	92.9	SD	Watertown, "93 Country KS-93" 1365
1141 KOUT	98.7	SD	Rapid City, city ment 1055
1154 unID	93.3	??	??, "Pure Rock 93-3"
1200 KEBN	88.7	ND	Fargo, ID 1415
<u>6/23 Es</u>			
1202 KJRT?	88.3	TX	Amarillo, TX rx w/g slant
1247 KOLS	95.5	KS	Dodge City, "K-95" 1188
1250 KHAZ	99.5	KS	Hays, "KZ Country" 1218
<u>6/29 Es</u>			
0843 KNTN	102.7	MN	Thief River Falls, Stillwater ref, MNPR fundraising @ 0850 1471
0845 KYYX	97.1	ND	Minot, "97 Kick FM"
0849 KSSS	101.5	ND	Bismarck, Bismarck ad 1233
0854 KACL	98.7	ND	Bismarck, "Kool 98.7" 1233
0856 KYNL	98.3	ND	Carrington, "Big Dog Country" 1300
0900 KDSU	91.9	ND	Fargo, c, ND refs

August 1977

0911 KABU	90.7	ND	Fort Totten, calls, local refs 1310
0916 KYYY	92.9	ND	Bismarck, Y-93 FM" 1233
0918 KBYZ	96.5	ND	Bismarck, "The Fox," phone verie 1233
0923 KNDK	95.7	ND	Langdon, Belcourt, Langdon, ND refs
0930 CBWV	97.9	MB	Brandon, CBC nx of Winnipeg, mono 1361
0931 KCAD	99.1	ND	Dickinson, North Dickinson ref, previously via Ms 11/17/98 1148
0938 KMXA	99.9	ND	Minot, "Mix 99.9"
0941 CBWS	92.7	MB	Brandon, c in \$, Canadian refs 1361
<u>7/4 Es</u>			
1858 KNFM	92.3	TX	Midland, calls
<u>7/5 Es</u>			
1949 KJCK	94.5	KS	Junction City, "Big Cat" 1352
1951 KHAZ	99.5	KS	Hays, calls
1953 KAKA?	88.5	KS	Salina, gr mx
1959 KCFN	91.1	KS	Wichita, ID, distance assumes transmitter still at Newton KS as when KSOF 1331
2000 KOEZ	92.3	KS	Newton, calls

Considering that I've been off work and home nearly 100% of the time (except 5/19-5/23, when I was in the hospital), the results are certainly NOT great. It should be noted, though, that 6/18, 6/19 and 6/29 are the first dates with over 8 stations I'ded since 7/7/96 (12); the last with more than 13 was 6/20/96 (41). We ARE climbing out of that DX hole which swallowed us after 6/96!

Antioch stands at 992 loggings, so I will be extremely ticked if another 8 loggings don't float in before the move! The Diablo Region (Concord, Pleasanton & Antioch) is at 1447.



John Tudenham WOJRP
2824 Missouri
Joplin, MO 64804-2755
jotud@juno.com CDT

Onkyo tuner, 6 element yagi @ 25'. All new.

<u>7/4 Es</u>			
2016 WRGX	88.5	WI	Sturgeon Bay, ID, rel
2032 WLXT	96.3	MO	Potosky, light AC
2035 WKTJ	94.5	WI	Milwaukee, KTI and Milwaukee ID, at 538 miles shortest Es ever heard
2043 WBYB	94.3	MI	Leland, "Country for northern Michigan"
<u>7/6 Es</u>			
1921 WJNH?	94.5	NJ	Trenton, o, Trenton ads, new call for WCHR?
2020 WTKU	98.3	NJ	Ocean City, o, ID
2026 WDAC	94.3	PA	Lancaster, wx 88 degrees, ID
<u>7/7 Es</u>			
1103 WJBR	99.5	DE	Wilmington, local ads, ID
1122 WBSS	97.3	NJ	Millville, "Jersey 97.3"
1155 WYSP	94.1	PA	Philadelphia, r, ID
1201 WNUA	89.7	NY	Jamestown, ID

Southern FM DX

Tudenhams continued

<u>Ir</u>			
1921 KSLQ	104.5	MO	Washington, Washington ads, ID
1940 WFGZ	94.5	TN	Labelville, k, "Froggy 94"
<u>7/11 Tr</u>			
1650 KRWW	99.5	KS	Emporia, Emporia bank ad

All new stations in my log. I also worked Es on 144 Mhz ham band the night of July 4 and a big opening the night of the 7th, or would have spent more time on FM. Milwaukee WI at 538 miles is the closest Es ever heard on FM.



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

<u>7/6 Es</u>			
1915 KJLS	103.3	KS	Hays, "Mix 103"
1922 KSRQ	102.1	MO	Kansas City, several refs to KC, "Star 102"
1925 KYEZ	93.7	KS	Salina, "Y-94"
1930 KVSU	105.5	KS	Beloit, calls
1931 KJCK	94.5	KS	Junction City
1942 KLLS	104.5	KS	Augusta, wx rpt w/refs to Reno County and Castleton. Meteorologist talking like listeners could see his wx map, maybe a simulcast of a 6PM TV newscast.

Brings total to 390, still hope to hit 400 by the end of the decade.



Luke Steele
437902 E 278 Rd
Vinita, OK 74301
(918) 256-8786
CDT

Radio Shack DX-390 with whip antenna

<u>5/11 Es</u>			
2026 unID	92.3	??	??, "Today's Hit Music," sweeper voice same as on KMCK Siloam Springs AR
<u>5/18 Tr</u>			
0805 KGNZ	88.1	TX	Abilene, wx for San Angelo & Abilene
<u>5/21 Tr</u>			
1200 KVRO	98.1	OK	Stillwater, ID, o
<u>5/23 Es</u>			
2016 WXTQ	105.5	OH	Athens, Athens ads, "Power 105," wx, OH #1!
2022 WUSL	98.9	PA	Philadelphia, UPN-57 ad
2025 WRVW	97.3	PA	Harrisburg, "The River"
2030 WUGL	98.1	PA	Philadelphia, "Oldies 98.1"
2033 WPST	97.5	NJ	Trenton
2051 unID	98.7	??	??, Bloomingdales ad, part of # was 705, read in slight SS accent

August 1977

<u>5/31 Tr</u>			
1145 KKAJ	95.7	OK	Ardmore, k
1201 KICM	93.7	OK	Healdton, "Real Country"
<u>6/6 Tr</u>			
1716 KANS	92.9	KS	Osage City, o, "Kansas Radio"
1925 unID	97.7	??	??, "Double K Country," Griffons baseball
<u>6/10 Tr</u>			
1917 KVCS	105.1	OK	Perry, "V-105"
<u>6/18 Es</u>			
1935 WMNX	97.3	NC	Wilmington, "Coast 97.3 Jams"
<u>6/22 Es</u>			
1831 KZHT	94.9	UT	Provo, "94-9 ZHT"
1834 KQMB	102.7	UT	Midvale
1836 KBEE	98.7	UT	Salt Lake City
<u>6/26 Tr</u>			
1848 KAYY	98.7	KS	Clearwater, "K-98.7"
1858 WKRR	92.3	NC	Asheboro, area ad, ID
1859 unID	93.3	??	??, syndicated "Retro Pop Reunion"
1902 unID	92.1	??	??, Mavericks baseball
1909 WBFO	88.7	NY	Buffalo
1911 CIMX	88.7	ON	Windsor, p, "89X"
1913 CIDR	93.9	ON	Windsor
1915 unID	102.3	??	??, Bruce Williams
1917 unID	100.9	??	??, "Wheels 101"
1918 unID	100.7	??	??, "Country's Most Wanted," promo saying "Research has proven that radio sounds better between 100.5 and 100.9."
1920 WKXB	99.9	NC	Burgaw, "Jammie" 99.9, Wilmington's "Jammie Oldies"
1922 WBBF	98.9	NY	Rochester, ad for acct mgr
1926 WZPL	99.5	IN	Greenfield, "99 and a half, ZPL," IN #1!
1929 unID	100.5	??	??, ad for Pigeon Forge
1930 unID	99.9	??	??, Delilah on "Light 99.9"
1931 unID	100.9	??	??, Indians baseball
1933 unID	100.3	??	??, "Country Gold Saturday Night" on satellite
1933 unID	99.9	??	??, same as above (not KTCS)
1935 WNIR	100.1	OH	Kent, remote from Midwest Fireworks
1936 WVOR	100.5	NY	Rochester, all 80s
1936 unID	100.7	??	??, American Gold on satellite
1941 WKOO	98.7	NC	Jacksonville, area ad, o
1943 unID	98.7	??	??, "Club 98-7"
1944 unID	100.5	??	??, "Galveston Beach...Bob's BBQ"
1947 unID	105.7	??	??, "Open House Party" (not KMCK)
1949 WYAV	104.1	SC	Myrtle Beach, "Wave 104.1"
1950 unID	103.7	??	??, "800-374-5888, the Weekend 70s w/ Ron Thurston"
1952 WGNL	102.7	NC	Wilmington, "GNI"
1952 unID	102.7	??	??, "The New Kiss 102"
1953 unID	102.3	??	??, "US Army, Chevron, Pepsi, Kroger, and ??? Radio Group (sounded like Scranton Radio Group, but no Kroger stores in Scranton)(maybe WSHG Pittston, owned by Sinclair-jz)
1954 WMXT	102.1	SC	Pamplico, "102.1 The Fox, a Cumulus Broadcasting Station"
1956 WSOL	101.5	GA	Brunswick, "V-101.5 WSOL Brunswick, Jacksonville, jammie like we did back in the day"
1958 unID	105.5	??	??, "The PeeDee's new Sunny 105.5"
1959 unID	106.5	??	??, "Super Gold" off satellite
1959 WOKA	106.7	GA	Douglas, k, "OK 106.7, WOKA"

Southern FM DX

Steele continued

2012 unID	98.3	??	??, "Super Gold"
2012 WGNE	98.1	FL	Titusville, "Hoppin' Country, 98 Frog"
2013 unID	99.1	??	??, "Super Gold"
2014 WHOG	95.7	FL	Ormond-by-the-Sea
2023 WSCF	91.9	FL	Vero Beach, "Christian FM"
2025 WWKA	92.3	FL	Orlando, wv, "WFTV 4 and K-92"

7/1 Es

1733 unID	88.3	??	??, CBC interviews//105.1
1735 unID	105.1	??	??, CBC//88.3
1833 unID	88.9	??	??, "Adventures in Odyssey"
1840 WUPK	94.1	MI	Marquette, area ads
1840 WIMK	93.1	MI	Iron Mountain, //94.1
1842 WJPD	92.3	MI	Marquette, ads, k
1849 WHWL	95.7	MI	Marquette, r

7/4 Es

1453 unID	89.5	??	??, c, likely KNPR
1455 KCEP	88.1	NV	Las Vegas, g, "Power 88"
1504 unID	97.9	??	??, Dick Clark
1505 KMXB	94.1	NV	Henderson, "Mix"
1506 KBGO	93.1	NV	Las Vegas, o, "Cool"
1512 KSNE	106.5	NV	Las Vegas, "Sunny"
1515 KVBC	105.1	NV	Las Vegas, "Hot Talk"
1521 unID	93.3	??	??, "...and on classic oldies 1340"

2049 unID	89.3	??	??, "Positive Hits, The Light"
2056 WRGX	88.5	WI	Sturgeon Bay, r, ID, WI #1, need address for this one
2058 WLUM	102.1	WI	Milwaukee, "Radio Chaos in 60 seconds on WLUM Milwaukee"

2101 WFEN	88.3	IL	Rockford, r, ID, wx
2102 WWJR	106.5	WI	Sheboygan Falls, ID
2103 WKPK	106.7	MI	Gaylord, "The Peak"
2105 WKHQ	105.9	MI	Charlevoix
2105 WGFm	105.1	MI	Cheboygan, "Bob & Tom on the Bear"

2109 unID	102.9	??	??, "Country 102.9"
2112 unID	100.7	??	??, k, "Less talk, more music, Kix Country 100.7"

2113 unID	100.3	??	??, k, "Crook and Chase Country Countdown"
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2118 WHAK	99.9	MI	Rogers City, o, "The Wave," Alpena ad
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2122 WSHN	100.1	MI	Fremont, "Fun Country"
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2124 unID 98.5 ?? ??, "Backtrax USA"

The #1 pet peeve of mine is all those stations airing syndicated shows I couldn't ID. If anyone can point me to station lists for some of these programs, please let me know. Thanks!

August 1997



John Zondlo
1009 Driftwood Circle
Yukon, OK 73099
jpzondlo@aol.com
CDT

Akai AT-VO4 tuner (modified with 2 150 kHz IF filters), Channel Master Stereo Probe 9 antenna. All new.

6/18 Es

1654 KKUP	91.5	CA	Cupertino, "Mystic Music Today" pgm 1356
1659 KKPW	94.3	CA	Kerman, Fresno spots 1249
1710 KLVC	88.3	CA	Magalia, K-Love net 1336
1725 KABX	97.5	CA	Merced, o, spots 1270
1726 KJOY	99.3	CA	Stockton, Stockton Honda spot 1314

1735 KIOI	101.3	CA	San Francisco, soft r, "K-101" 1376
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1752 KHWK	92.7	NV	Tonopah, r, ID 1093
1824 KZSR	92.9	NV	Reno, "The Hawk" 1240
1843 KVLV	99.3	NV	Fallon, classic r, calls 1185
2140 KLFF	89.3	CA	San Luis Obispo, feature called "Lighten Up" 1291

2149 KAVS	97.7	CA	Mojave, Lucky Supermarket spot 1152
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2154 KHAY	100.7	CA	Ventura, "K-Hay" 1224
2158 KXLM	102.9	CA	Oxnard, Ventura ad 1219
2200 KYLR	98.7	CA	Los Angeles, "Star 98.7" 1168
2202 KCBS	93.1	CA	Los Angeles, ID 1168

6/19 Es

1121 KDNA	91.9	WA	Yakima, SS, ad for busn in Sunnyside 1413
1152 KULE	92.3	WA	Ephrata, k, calls, "Big Dog" 1394
1217 KSEG	96.9	CA	Sacramento, r, "The Eagle," remote 1327

6/21 Es

1009 WVOH	93.5	GA	Hazelhurst, g 906
1013 WBYZ	94.5	GA	Baxley, "Hit Kickin' Country," ad, k 922
1016 WRDO	96.9	GA	Fitzgerald, "Kicks 97," k 874
1035 WFXH	106.1	SC	Hilton Head Island, AOR, "Fox 106.1" 1001

1040 WLWI	92.3	AL	Montgomery, ad for Alabama Power 691
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1044 WYAK	103.1	SC	Surfside Beach, "Big Yak" 1079
1113 WQKI	93.9	SC	St. Matthews, local ad 974
1120 WLJI	98.3	SC	Summerton, //95.3 WFMV 1000
1128 WRFN	93.1	GA	Warrenton, "The Fan" 872
1220 WMUU	94.5	SC	Greenville, calls 869
1226 WCMG	94.3	SC	Latta, "Magic 94.3," s
1228 WAAV	94.1	NC	Leland, "Kiss 94" 1121
1237 WHKZ	96.7	SC	Cayce, Columbia wx 953
1248 WMYB	99.5	SC	Socastee, "Beach 95.5" 1091
1256 WEPC	88.5	SC	Belton, southern g, ID w/WRAF 868

6/28 Tr

0737 K217CS	91.3	TX	Washburn, nx, High Plains Public Radio
0807 KSNY	101.5	TX	Snyder, sx 263
0840 KGEE	99.9	TX	Monahans, k, calls 401
0853 KEJL	100.9	NM	Eunice, "Eagle 100.9," classic r 375

0900 KFST	94.3	TX	Fort Stockton, ID, nx 436
0915 KLEA	101.7	NM	Lovington, k, "Sundance Country" 365

0920 KMMX	100.3	TX	Tahoka, "Mix" 282
0945 KOES	106.9	TX	Stamford, "Country Gold 106.9"
0956 KJWV	105.9	TX	Stanton, local ads

Southern FM DX

Zondlo continued

1000 KOXE	101.5	TX	Brownwood, k, ID 271
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6/30 Es

1857 KXFG	92.9	CA	Sun City, spot for Lake Elsinore Storm (bb) 1112
1905 KBZT	94.9	CA	San Diego, "K-Best 95" 1126
1907 KYXY	96.5	CA	San Diego, "Kixie" 1126
1909 KPLN	103.7	CA	San Diego, r, "The Planet" 1126

1911 KLQV	102.9	CA	San Diego, SS 1126
1913 KFMB	100.7	CA	San Diego, t about SD Zoo 1126

7/4 Es

1313 WLAN	96.9	PA	Lancaster, r 1212
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7/7 Es

1105 WDKC	101.5	PA	Covington, Tioga county nx 1196
1114 WPGM	96.7	PA	Danville, church annnmts 1207
1145 WTRY	98.3	NY	Rotterdam, calls
1203 CFRY	93.1	MB	Portage La Prairie, BN nx 993
1206 CKXL	91.1	MB	Winnipeg, Manitoba nx 994
1209 KCAJ	102.1	MN	Roseau, local nx 928
1214 CKMM	103.1	MB	Winnipeg, "Hot 103" 994
1225 KSNR	100.3	MN	Thief River Falls, "Cool 103" 876

1231 KKDQ	99.3	MN	Thief River Falls, k, calls 876
1239 CHOM	97.7	PQ	Montreal, calls, r, EE 1447
1241 CKUT	90.3	PQ	Montreal, t, calls, FF 1447



From the Editor

Great to see all the Es reports. Hopefully we'll have a repeat of last summer when it lasted well into August. And remember, this is the month for the Perseids meteor shower.

For those of you online, or who can get to a library to use their facilities, be sure to check out the RadioRaves page of FM DX Web. It's great for checking station info to nail down those unIDs. RadioRaves links to city, state, regional and provincial radio websites around North America. FM DX Web is at <http://members.aol.com/fmdxweb>.

See y'all next month!

SATELLITE NEWS...continued from page 13

GALAXY 7

transponder 6	-	7.2	-	Cable Radio Network
				7.6 - Radio Tropical
				7.38 - RAI - Rome, Italy//7.7 - Republic radio International

TELSTAR 402

transponder 11	-	7.4	-	WCBS AM 880 - New York
GE AMERICOM 3				
transponder 3	-	6.2	-	WROL - 950 AM - Boston, Massachusetts
				9 - 6.3/6.48 - American Urban radio Network
				5.41 and 6.8 - Talk America 1 and 2
				5.94 - Ambassador radio / 6.2 Iranian (Farsi) radio

18 - In-Store Music and Advertising Services

GE AMERICOM GE 2

transponder	-	22	-	WWTL - 700 - Walkersville, Maryland (Arabic - serves Washington DC) 5.8
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INTELSAT K

transponder 2?	-	8.1	-	Swiss radio International
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And now for a few of the regular changes

- Satcom C1 - delete 9 - Fox Sports Midwest
- Satcom 4 - 106 - Starz Theme not some other thing
- Galaxy 1 - 152 - Starz Theme - delete 153
- Satcom 4 - 24 - delete Military Channel and add to Galaxy 7 - 8 616 - Discovery People
- Galaxy 5 - 10 - delete MOR Music
- Galaxy 9 - 183 - is now Guthy-Renker 4
- Galaxy 6 - delete all CBS feeds - now on Telstar 7
- Galaxy 3 - 9 - is now Spice - delete Adult Vision
- Telstar 7 - add CBS feeds to 19, 20, 21, 23 ID Channel is now 22 for Telstar 7
- GE AMERICOM GE 3 - 6 - delete Midwest Sports Channel
- PanAm Sat 5 - 702 with color bars and HBO Venezuela ID

That's all for this go round - see you in 30

Keage

EASTERN TV DX

Russell Miller
 HC 61, Box 86B
 N. Amity, ME 04471-9622
 email - estvdx@javanet.com
 estvdx@aionp.com

August, 1999

LOCAL TIME UNLESS OTHERWISE NOTED

Sometimes the computer gremlins ruin email so send your reports via email at your own risk.

Be sure to check out Roys NF catch. I think this is one of the more extraordinary catches since TV was invented. Tropo over this stretch is rare indeed.

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

May, 1999

26 Es	1900	CHAU	3 PQ	494
		CBGAT14	2 PQ	502
27 Es	1430	CBNAT1	3 NF	896
		CBYT3	2 NF	822
28 Tr	2300	W35BH	35 VA	400
		WYDO	14 NC	562
		W24BI	24 VA	460
		W40AH	40 VA	450
		W45BG	45 VA	456
29 Tr	0010	WUNJ	39 NC	660
	0200	W31BG	31 VA	440
	0230	W19BM	19 VA	460
	0800	WUNP	36 NC	533
		W36BK	36 VA	400
	2200	W56CS	56 VA	450
		WUNM	19 NC	577
30 Tr	0025	WEPX	38 NC	562
		WSFX	26 NC	660
	0100	W41,W44,W60	Onancock, VA	
		WVBT	43 VA	456
	0130	WFXB	43 SC	699
		W62CN	62 VA	450
	0210	WTAT	24 SC	779
		W18BB	18 NC	490
		WMMP	36 SC	779
		W60AY	60 NC	T Box
	0258	W20AL	20 NC	660
	0915	WNCN	17 NC	592
		48.2502 Video carrier		
		TVE1 Spain T		
Es	2000	WESH	2 FL	1059
		WEDU	3 FL	1153
		WJXT	4 FL	990
Tr	2100	W39BW	39 VA	
		WJHJ	Z Off	450
31 Tr	0015	WEPX	38 NC	562
		WRAY	30 NC	565
		WTAT	24 SC	779
	0100	WHMC	23 SC	702
		WYDO	14 NC	562
	0715	W20AL	20 NC	660

31 Tr	1600	W39BW	39 VA	450
		Value Vision // 19 & 31 VA		
		WSFX	26 NC	660
		WUNJ	39 NC	
		Local - Strong		
		WCPB	28 MD	400
		Completely on top of local		

June, 1999

06 Tr	0800	WUSA	9 DC	387
		WBAL	11 MD	354
		WJZ	13 MD	354
		WRIC	8 VA	467
		WJLA	7 DC	387
	0900	WMAR	2 MD	354
		PM	E. VA	
09 Es	1900	KSNW	3 KS	1447
	1910	KTBS	3 LA	1416
	1930	WSIL	3 IL	1007
Tr	2245	CBHFT	3 NS	279
	2300	CBHT	11 NS	279
		2.5,7,10,12,13,13 PBS ME		
10 Es	1700	WBTV	3 NC	715
	1825	WBRC	6 AL	1045
	1845	WYFF	4 SC	787
		Easy on frame bar		
Tr	2100	W33AK	33 NH	
	2200	WXOBLP	14 VA	463
11 Tr	1315	CBHFT	3 NS	279
		CBHT	11 NS	279
	1320	CBAT	4 NB	345
	1335	CIHF	12 NB	345
	2230	CIHF	8 NS	408
		CIHF	8 NS	377
		CBAFT	11 NB	423
	2330	WRAY	30 NC	565
12 Tr	0010	WUPV	65 VA	
	0030	WTMW	14 VA	395
		Panda Shopping Network		
		Military Channel		
		WUNP	36 NC	533
		WPXW	66 VA	404
		WTVE	51 PA	289
		VCC Selling		
		WVCB	49 PA	334
		Rarities exchange selling		
	0130	CBIT	12 NS	535
	0235	CBCT	13 PEI	481
	0240	CIHF	12 NB	345
	0300	CIHF	11 NS	605
		Comedy Showcase		
		CBIT	5 NS	605
		and Schedule under 5 Boston		
	0330	CBAT	4 NB	345

12 Tr	0330	CJCH	6 NS	336
	0400	WBAL	11 MD	354
		CJCH	5 NS	408
		1/2 CB ATV L/R		
	0440	CBHT1	12 NS	343
		W36AX	36 VT	
	0525	CBHT	8 NS	377
	0715	CBAT	7 NB	409
	0745	CJCB	9 NS	498
13 Tr	0030	CKLT	9 NB	345
	0100	CBHT	3 NS	408
	0105	CBAT	4 NB	345
	0115	CBHT	- 11 NS	279
		CBAFT	± 11 NB	423
	0130	CIHF	+ 11 NB	365
		Thank you ICOM		
	0200	CBHFT	3 NS	279
	0205	CBNT	8 NF	964
		s/off into 1/2 CB tone		
	0235	CBHT4	11 NS	467
		CIHF	11 NS	605
		1/2 hr com.		
		CBAFT	11 NB	423
		1/2 CB Piano music		
	0250	WBNG	12 NY	277
	0320	CBIT	12 NS	535
	0450	WMTW	8 ME	188
		America's Store		
	2100	CBHFT	3 NS	279
		No UHF during this opening		
17 Es	Strong Es			
	1130	WPSD	6 KY	1024
	1200	WBRC	6 AL	1045
	1230	WCPX	6 FL	1072
	1700	KJRH	2 OK	1396
	1730	KSNW	3 KN	1447
18 Es	2100	KTBS	3 LA	1416
	2200	KETS	2 AR	1268
		WBRZ	2 LA	1383
19 Es	1505	CKPR	2 ON	1018
	1530	CHFD	4 ON	1018
	1805	CJAP	3 NF	905
		CJCN	4 NF	902
	1810	CBNT	4 NF	828
	1825	CBNT3	5 NF	850
	1830	CJON	6 NF	967
		CJOX	2 NF	823
		CBIT	2 NS	587
	1848	CJCB	4 NS	605
		CJCB	3 NS	540
	1930	CBIT	5 NS	605
	2200	CJAP	3 NF	905
20 Es	0815	WLBT	3 MS	1264
Tr	0845	W36AZ	36 NJ	
		// 50, 52, 23		
Es	1100	WPSD	6 KY	1024
	1120	WBRC	6 AL	1045
		Like 6 WCSH ME		
23 Tr	2300	WRAY	30 NC	565
		WUNP	36 NC	533
		WEPX	38 NC	562
	2330	WYDO	14 NC	562
24 Tr	0500	WLFL	22 NC	600

To work
On tape

NBC 6

26 Es	0630	CJAP	3 NF	NTV L/R	905
Tr	0700	W36AZ	36 NJ	WNJB ID	
Es	0830	KIMT	3 IA		1035
	0840	CBGAT	2 PQ		502
	0900	CFRS	4 PQ		495
	0912	CBAFT1	5 NB		365
		Overpowering Boston's - off. for 3 min.			
	0920	KMTV	3 NE		1311
	1300	WHBF	4 IL		1025
	1400	CKX	5 MB		1514
	1430	WSIL	3 IL		1007
	1600	KYTV	3 MO		1226
27 Es	0955	KMTV	3 NE		1311
29 Es	1915	WCBD	2 SC		777
30 Es	2100	WMAB	2 MS		1160

It seems like every time Russ (editor) was picking up Europe on 6M, I was pulling in Es from NF or north of ME. It could not have been better with the maritimes booming in with 11 NH, 12 RI, & 6 MA off the air during the weekend of June 12,13. With blocking rain down the coast and high pressure in the Gulf of Maine. This H moved past NF Sun. AM. Last winter I tried picking up 5 CBIT, NS on Ms. No luck, now I pick it up on Tr, and Es (Go Figure!) Sunday AM CBC was playing a Bogart movie, caught 8 CBNT, NF going off and into 1/2 CB on R7000 Icom. I was looking for 8 CKCW PEI with + off. and picked up CBC. Rocking the CM1110 left and right, left I had CBHT NS - off., middle z off. 8 CT and right CBNT NF with the ant. toward 8 NF coming in stronger than 8 NS. NF peaking around 0215 AM with e/r CB seen weakly on TV. That morning, I went to bed but could not get to sleep, too excited. At first light went to work to clean windows. June 17 Es strong. With a fence in front of my 10 el. Ch-5-6 ant. 3 ft. A.G. with first element in bushes, was picking up 6 FL into the handheld R-10. Saturday night in Winter is hockey night in Canada and on Jun 19 Sat. it seemed all Es was coming from Canada. Something is going on! It seems 6M is busting out everywhere Europe in often and as Russ puts it, is the sun going to explode. F2 is here. 73's Roy

Peter J. Giacopelli, KY2DY, 30 Peconic Drvie, Massapequa, NY 11758-8317
 dypete@aol.com
 ms933310@nassaulibrary.org

Equipment: Mitsubishi 21" Color TV Model No. CS-2005R, Rabbit ears antenna

June, 1999

19 Es	1830	CJON-TV	6 NF	St. John's	1123
	1925	KYTV	3 MO	Springfield	1092
	1955	WEAR	3 FL	Pensacola	1044
	1957	??	3 ??	??	??
		unidentified station with the program "Motown Live" - possibly KTBS, Shreveport, La. Thanks Dan			
Tr	2300	KWY	3 PA	Philadelphia	99
	2310	WPVI	6 PA	Philadelphia	99
	2315	WLNE	6 MA	New Bedford	149
	2320	WTNH	8 CT	New Haven	53

19 Tr 2325 WCAU 10 PA Philadelphia 99
2328 WHYY 12 DE Wilmington 126

Doug Smith, Pleasant View (Nashville) TN EM66
w9wi@bellsouth.net
http://personal.bellsouth.net/~w9wi

Nice to have tropo with so many local pests off, but the skip has been pretty spotty....

June, 1999

05 Tr (NOTE #1)
0023 KSDK 5 MO St. Louis 233
KDNL 30 MO St. Louis 233
0030 W17AZ 17 IL Johnson City 143
0053 WICS 20 IL Springfield 268
0100 unID 31 (NOTE #2)
0105 WRSP 55 IL Springfield 268
0110 KPLR 11 MO St. Louis 230
0120 KOLR 10 MO Springfield 329
0446 K45CA 45 MO 151
Cape Girardeau
0457 WMAE 12 MS Booneville 151
Rare
0512 WCIU 26 IL Chicago 380
"U-26"
0600 WWOT 35 IL La Salle - TBN
0554 WYCC 20 IL Chicago 380
ID bars
WEHS 60 IL Aurora 380
WGBO 66 IL Joliet 380
0630 WEIU 51 IL Charleston 221
0700 WYLE 26 AL Florence 131
EXTREMELY rare!
0730 W57CG 57 TN Memphis 173
0828 W56DN 56 IN Evansville ID! 106
10 Es 0847 Es to ch. 4
Tr 0901 WBSN 47 VA Norton 249
WKON 52 KY Owenton 192
rare
11 Es 0847 Es to Mexico to channel 3
19 Es 1900 WFSB 3 CT Hartford 848
20 Es 0850 KBME 3 ND Bismarck 997
CBWFT 3 MB Winnipeg 1060
0930 WFSB 3 CT Hartford 848
WLNET 6 MA New Bedford
1027 WCAX 3 VT Burlington 934
1121 KDLO 3 SD Watertown 807
"Keloland TV"
1630 unID 3 French-Canadian
many "BMR" ads
1700 unID 3 French-Canadian
w/Ce Soir
21 Es 0927 WWAY 3 NC Wilmington 524
NOTE #3
1300 KENW 3 NM Portales 956
25 Es 1244 KPRC 2 TX Houston 677
WAY over local WKRN
26 Es 0925 unID 3 CTV w/One Saturday
Morning", CTV logo
unID 6 "Happy Birthday
Canada" (5 days early!)
1002 unID 2 CTV over local WKRN

NOTE #1: Severe weather had knocked local channels 5/17/30 off the air. Local channel 8 had a black screen and no audio overnight. 17 returned to the air at low power about 1 a.m., with severe CCI from W17AZ. I thought 30 returned about 6 am, but it was Memphis with a local-quality signal! (and same network, similar logo...)

NOTE #2: Ad for "The People Store" (a dating service) at 698-0335. Peoria?
NOTE #3: My shortest Es ever. Would have paid more attention (and blown off my appointment) if I'd known where phone number (910) 343-xxxx was!

Jim Renfrew, Rochester, NY

Equipment: Old B&W TV, rabbit ears - All times EDT

May, 1999

21 Es 1127 WPBT 2 FL Miami 1209
1130 WEDU 3 FL Tampa 1084
1201 WFOR 4 FL Miami 1209
27 Es 1451 KQTV 2 MO St. Joseph 924
1459 KTVO 3 MO Kirksville 800
1500 KGAN 2 IA Cedar Rapids 754

June, 1999

16 Tr 2200 WSPX 56 NY Syracuse-PAX 73
17 Es 1130 WPBT 2 FL Miami 1209
1620 KTBS 3 LA Shreveport 1148
1636 WBRZ 2 LA Baton Rouge 1159
2325 WPXJ 51 NY Batavia-PAX 32
(new to air) (transmitter is in Pavillion, NY, at least 10 miles se of Batavia)
19 Es 1940 WPBT 2 FL Miami 1209
1952 WEDU 3 FL Tampa 1081
1959 KJRH OK 2 Tulsa 1091
20 Es 1700 KTBS 3 LA Shreveport 1148
2138 WEDU 3 FL Tampa 1084
23 Es 2145 unID 4 TX
TX weather map in LL corner
2150 unID 2 TX?
Braun's ice cream ad
24 Es 1024 KGAN 2 IA Cedar Rapids 754
1034 KSNW 3 KS Wichita 1105
1058 KTVO 3 MO Kirksville 800
1059 KQTV 2 MO St. Joseph 924
26 Es 1000 KSNW 3 KS Wichita 1105
"KSN" logo
1253 WSIL 3 IL Harrisonburg 687
KSWK 3 KS Lakin 1274
1559 unID 2 TX
"Public TV in Northern Texas" (NOTE 1)
1700 KTVt 2 MO St. Louis 728
Simpsons
2001 KTVt 2 MO St. Louis-FOX 728

July, 1999

01 Es 1045 KSNW 2 KS Great Bend 1157
local ad
1559 WPBT? 2 FL Miami 1209
bilingual comedy
1824 WBRZ 2 LA Baton Rouge 1159
garden show

NOTE 1: I expect this is KDTN, as I would guess PBS in Amarillo would say something about Public Television in the Panhandle.

Harry Hayes, 9 Henry Street, Wilkes-Barre, PA 18702

Equipment: Zenith Sentry, VHF: Quad loop, RS amp. UHF: 6 ft. dish in attic, RDX-901 amp.

EDT

May, 1999

10 Es 1820 WBRZ 2 LA
11 Es 1942 KJRH 2 OK
15 Es 1145 KTBS 3 LA
22 Es 1100 WPBT 2 FL
2301 KQTV 2 MO
23 Es 1850 KSNB 2 KS
1857 WEAR 3 FL
1937 WREG 3 TN
KTBS 3 LA
30 Es 1940 WPBT 2 FL

June, 1999

06 Tr 0730 WHSB 65 PA
0733 WDCA 20 DC
WETA 26 DC
Es 1831 WEAR 3 FL
1841 KTBS 3 LA
1858 WDIQ 2 AL
07 Tr 2000 WCNV 24 NY
WNYS 43 NY
2044 WSYT 68 NY
09 Es 1825 WSB 2 GA
10 Es 1929 KJRH 2 OK
11 Tr 0725 WTXS 20 CT
0730 WFXT 25 MA
WVIT 30 CT
WTIC 61 CT
WHSB 66 MA sno-free
WTVU 59 CT
0736 CCI on locals 22 and 44
0746 WGGB 40 MA
0748 WGBY 57 MA
0750 WRNN 62 NY CCI from WMFP
0800 WHCT 18 CT home shopping
0812 WYDN 48 MA SS rel.
0900 WMEA 26 ME
0901 WVTA 41 VT
12 Tr 0530 WSBK 38 MA local off
0540 WLNY 55 NY
0628 WMFP 62 MA
0655 WGBY 57 MA
unIDs 8 through 13 PTA NC
0823 WHAG 25 MD
0830 unID 60 w/cartoons, prob WV
14 Es 1053 KJRH 2 OK
17 Es 1400 WFOR 4 FL
18 Es 2100 WWL 4 LA
2120 KTBS 3 LA
2127 WMAB 2 MS
19 Es 1900 WSB 2 GA

19 Es 1905 WBRZ 2 LA
1928 WDIQ 2 AL
1930 KATC 3 LA
1947 WWL 4 LA
1951 KTBS 3 LA
1959 WEAR 3 FL
20 Es 0900 WWL 4 LA
1830 KDLH 3 MN
1835 KGAN 2 IA
23 Es 1730 KOET 3 OK
26 Es 1930 KJRH 2 OK
1945 KXAS 5 TX

July, 1999

03 Tr 0830 WHP 21 PA
0900 WGTW 48 NJ
0914 WTXF 29 PA "Fox Philadelphia"

So far I can't complain. Tropo is above what I would expect by this point in the season. Best regards.

Fred Nordquist, 7945 Boxford Rd., Clay, NY 13041
(EDT) (UTC-4 Hrs) email: nordquis@twcny.rr.com

Equipment: Receivers - Mitsubishi HS-U650 VCR primary VHF/UHF tuner/recorder PRO-2006 to monitor TV audio offsets on Ch 2-21 & 62-69. Panasonic portable TV
Antennas - UHF: 7' CM Dish at 35' AGL (1" screening). VHF Es: CM SP9 12' AGL, vertical & tilted 10 degrees for Es DX.
Preamp - Winegard AC-4990 CAC-11 Coax Cable

August, 1998

14 Tr 2232 W47BM 47 NY Rochester TP 74

September, 1998

13 Tr 1534 CITS 36 ON Hamilton 187
releg - strong
16 Tr 2200 WYOC 48 NY Coming Fox 83
rare

November, 1998

29 Gw 0900 WSPX 56 NY Syracuse 6
new-PAX

February, 1999

09 Tr 0037 WATM 23 PA Altoona ABC 216
Gw 0045 W40BJ 40 NY Syracuse 6
file://CTV relig

March, 1999

12 Gw 200 WMBO-LP 60 NY Syracuse Box 6

June, 1999

10 Tr 2343 WPXQ 69 RI Block Island 271
PAX - frequent on scanner
17 Tr 2147 WPXJ 51 NY Batavia PAX 104
QRMs local W51BA CTV
19 Gw 0957 WAWA-LP 14 NY Syracuse NSP 6
Color Bar TP still on 7/4
20 Es 1831 WBBM 2 IL Chicago nx 592
short skip

Total = 416. PAX/Translators/LPTVs filling up UHF channels in Central NY.

Es hrd on 8/15 & 8/16 & 12/30/98. Es also on 5/22 & 5/30 & 5/31 & 6/6 & 6/9 & 6/10 & 6/17 thru 6/20 & 6/23 & 6/26 & 6/27 & 6/29 & 7/4/99. 73's Fred

Jim Ayers, 2497 Wind Forest Court, Norcross, GA 30071 email: jimayers@raider.net

June, 1999

01 Es	2030	KOB	4 NM	1267
08 Tr	0750	W25CQ	25 GA	184
10 Es	1823	WTMJ	4 WI	663
	1907	KDLH	3 MN	979
	1918	KMTV	3 NE	822
	1930	WOWT	6 NE	822
	2059	KRMA	6 CO	1229
	2115	KBSD	6 KS	939
18 Es	2131	KFOR	4 OK	762
			nice TX/OK/NM opening	
26 Es	2003	KWNB	6 NE "NTV"	1032
	2100	KOTV	6 OK	665
	2149	KWGN	2 CO	1228

The WB over WSB... nice!
First catch to override a local

Big opening to Dakotas, Great Lakes, Plains States & Rockies.

Anybody know of a channel 2 that runs the date & time in their VBI? Noted a station with JUN plus some numerals, the last of which appeared to change each second, ghosting over local WSB. So far this year, tropo is rather anemic, and skip is infrequent. 73's Jim

Ryan Grabow, 178 Falcon Ave., Patchogue, NY 11772 (516)475-0276 email coming soon

Equipment: 19" RCA Color TV, JVC HiFi VCR, Radio Shack VU-110XR VHF/UHF antenna w/Archerator

<v> = ID recorded onto videotape
<t> = logging tentative
Distances are in miles, most are approximated.

May, 1999

22 Tr	2200	WCDC	19 MA	130
			unID 45 PBS program, Albany?	
28 Tr	2300	unID	22 The BOX	
		WPXQ	69 RI <v> Paxnet	76
		WMFP	62 MA	150
30 Es	2000	KMTV	3 NE	1265
Tr	2230	WHS	66 MA	140
		WCPB	28 MD MPT	220
		WGNT	27 VA	325

June, 1999

08 Tr	0100	WBOC	16 MD	220
		WBRE	28 PA	145

11 Tr	0700	WLYH	15 PA	190
		WNEP	16 PA	145
		WYOU	22 PA	145
		WHTM	27 PA <v>	190
			Had to leave before even checking past ch 27	
	2200	WUTB	24 MD	230
		WVBT	43 VA <v>	325

12 Tr	0030	WBFF	45 MD	230
		WRLH	35 VA	350
		WTVZ	33 VA	330
		WHRO	15 VA	330
		WJZ	13 MD CBS	225
		WBAL	11 MD Tonight Show	225
		WRIC	8 VA	350
		WMAR	2 MD <v>	225

0100	WTTG	5 DC <v>	270	
		over local WCBS		
		over local WNYW		
		WWBT	12 VA 345	
		WXOB-LP	14 VA The BOX 345	
		unID	38 PAXnet	
		WBDC	50 DC 270	
		unID	54 WNUV?	
17 Es	1430	WEDU	3 FL Pledge Drive	1060
	1700	KYTV	3 MO "KY3"	1145
	2000	KLNE	3 NE <v>	1430

"Nebraska ETV"
New all-time Distance record

18 Es	2304	KTBS	3 LA nx	1340
20 Es	1118	WBRC<t>	6 AL	930

Fox programming
unID 6 PBS, A and X in calls?
2100 KOET 3 OK "OETA"
WSJK<t> 2 TN "TN"? 660
PBS, see below

22 Es	1200	KTVO	3 IA	1050
	1230	KIMT	3 IA	1110
23 Es	1730	WREG<t>	3 TN	1050

nx, logo of WREG seen
1825 WTVY 4 AL Floating 1000
1830 WJBK<t> 2 MI Fox 2 News 550
WEAR<v> 3 AL 1140
2000 WCIA<v> 3 IL 835
KARK 4 AR 1150

small logo and image of Arkansas floating on bottom of screen

Tr	2030	WVEC	13 VA	325
		unID	45 "PIN"	
		(W45BG per Roy Barstow)RM		
		WPXV	49 VA	320
		WVEC	60 VA Translator?	

07 Es	1330	KYTV<v>	3 MO nx,ky3.com	1145
		KSNW<v>	3 KS nx	1370

Good season so far, although I haven't seen good tropo in weeks. The local "mystery" channel 17 started airing The Box on June 30, after 144 days of a "Coming Soon" message. I suspect the station is in Selden, still no info. June 11/12 was possibly my best tropo ever of Pennsylvania and Virginia, the

PAX unID on ch. 38 may have been Roanoke, VA. Broke my all-time distance record of 1370 miles (KSNW) on June 17, weather report with "Nebraska ETV Network" on bottom of screen caught on videotape, distance approximately 1430 miles. PBS programming seen on ch. 2 June 20th, "TN" flashed through screen, followed by PBS logo. WSJK in Tennessee suspected, though a PBS station in Dallas has the calls KDTN. 73's Ryan

Russell Miller, HC 61, Box 86B, N. Amity, ME 04471 email: estvdx@javanet.com or estvdx@ainop.com

June, 1999

01 Es	1900	WSMV	4 TN	1194
	1930	WTVF	5 TN	1194
03 Es	2120	WESH	2 FL	1359
09 Es	2000	WCBD	2 SC	1111

10 Tr	0800	W69DG	69 NH (VT)	
		(WVBT	39 VT UPN)	
		Es 1918	WDIQ	2 AL 1412

11 Tr	0700-1000	Coastal MD, NJ, VA		
14 Es	1100	KUSD	2 SD	1452
17 Es		WFOR	4 FL	1550
20 Es		WJXT	4 FL	1311
21 Es	1808	WFMY	2 NC	920
	1918	WKRN	2 TN	1194

22 Es	Widespread			
23 Es	1110	WJXT	4 FL	1311
	1322	WYFF	4 SC	1080
	1804	WSMV	4 TN	1194
24 Es	0855	KGAN	2 IA	1214
	0927	WTMJ	4 WI	1007
	1058	WOAY	4 WV	874
	1140	WUNC	4 NC	904
	1220	WCMH	4 OH	868
	1239	WTTV	4 IN	1018

28 Es	2341	CBWFT	3 MB	1384
29		Video Buzz, Portugal, Spain	48.242 & 48.250	

Numerous European 6 meter openings brought in many video buzz frequencies. Some aren't supposed to be "video frequencies", so I can't explain them. 48.242; 48.250; 49.750; 48.240; 49.740; 48.260; 49.933; 48.227; 48.157; 48.313; 48.280; 48.235; 48.214; 48.172; 48.245.

These were in only during European openings, the oddball frequencies noted while Italy and Croatia were in on 6 meters. Noted no Es into USA when these oddballs were in. Also noted no actual FM voices from USA while these frequencies were in. I honestly don't know if F2 is picking up or Es has gone wild, but 6 meters has been hot from my perspective. There was an apparent Mass. to Malawi, Africa contact on 6 meters so keep tuned.

Eric Voytko, McLean, VA evoytko@erols.com

Some distances vary because I DX from both McLean and Fairfax City, VA (seven miles apart)

June, 1999

11 Tr	0600	WVIT	30 CT	306
		WHCT	18 CT shopping	310
	0645	WEDN	53 CT c/b	327
	0745	WBPX	46 MA PAX	392
		WLWC	28 MA	391
		UPN 28 ID		
		WTNH	8 CT news	289

17 Es	1445	KTAL	6 TX	1023
	1450	WBRC	6 AL	648
		Judge Joe Brown		

20 Es	1200	WDAF	4 MO	932
		covered loc. WRC		

23 Es	1629	KDLH	3 MN	930
	1800	CKPR	2 ON loc. news	891
	1807	CBWFT	3	
		3-, ads in French		
	1809	KDLO	3 SD Kelo news	1126

3-, ads in French

July, 1999

01 Es	1800	KSWK	3 KS	1294
	1817	KWNB	6 NE	1268
		temp. at Grand Island		

04 Es	1302	KPRC	2 TX	1221
		KDTN	2 TX	1186
		Plaza Sesamo		

	1329	KOET	3 OK	1029
	1430	KSNW	3 KS	1106
06 Es	1100	KMOS	6 MO	863
	1116	KCTV	5 MO	931

		Promo, thru loc WWTG		
	2000	KSNC	2 KS	1111
		KSNW	3 KS	1166
	2020	KBSD	6 KS	1260

		severe wx alert		
	2100	KOTV	6 OK	1035
	2200	KEMV	6 AR	858
		KOET	3 OK	1035

09 Es	2100	KDLO	3 SD	1128
		KAAL	6 MN	892
	2130	KIMT	3 IA	872
		KPLO	6 SD	1212

There was a monster skip opening on July 7 from about 11:00 to 14:00 EDT. I had to work, but kept the TV on ch. 6 and glanced over at it occasionally and it was like having a local that periodically changed networks (and maybe even countries!). This has been a great month here, lots of stuff above ch. 3 and twice had my locals 4 & 5 covered. Also, thanks to William Hepburn who forecast the trop opening on June 11.

Western TV DX *E. Bueneman*

Noted a call change in this opening, with WIPX-63 (ex-WIIB) seen during this opening. Stations from Nashville to Kansas City were in during this opening, all my local VHF's had stations underneath, as well as UHF locals KNLC-24 and KDNL-30. WHSL-46 was off after 0200, but only a weak signal was noted on the channel, which may have been most-wanted WGNX. A number of network affiliates are producing newscasts for other television stations. For instance, WWAZ-19's (Madisonville, KY) 9:00 p.m. newscast is produced by ABC affiliate WEHT-25 in nearby Evansville, IN. KCWE-29's weather briefs are produced by ABC affiliate KMBC-9, and WBAK-38's 9:00 p.m. newscast is produced by CBS affiliate WTHI-10. LMAs are helpful, especially when it comes to using their news resources.

73, Eric (N0UHH)

Randy Miltier/K7RPM, 1185 Linda Ave, Ashland, OR 97520 K7RPM@arrl.net

Equipment: 19" Zenith, color, Antennacraft ch 2-6 yagi 13" Zenith, b&w, hand-held dipole

So far this E season is about as bad as last season here in Oregon. This is not the mecca for TV DX. I think Jeff Kadet and Pat Dyer have the ultimate locations for Es. I just discovered my distances aren't correct, so they won't be included.

May 1999		PDT	
27 Es 1849 CKCK-2	6 SK		
1959 CFSS	3 SK		
2000 KBME	4 ND		
2041 KTVQ	2 MT		
2044 KYUS	3 MT		
2050 KRTV	3 MT		
30 Es 1628 KSWK	3 KS		
1634 unID	6		
1637 KCNC(1)	4 CO CBS		
June 1999			
12 Es 1845 unID	3	PBS	
18 Es 1815 unID	3	PBS	

19 Es 1023 CKSA	2 AB		
1030 CFSS	3 SK		
1030 unID	4		
1042 CKCK-2	6 SK		
1100 CFRN	3 AB		
1100 CFCN-4	4 AB		
1107 CKCK	2 SK		
1101 CKND-2	2 MB		
1115 KTVQ(1)	2 MT CBS		
1153 CFQC	3 SK		
1348 KLNE	3 NE		
1600 CFSS	3 SK		
23 Es 1630 unID	2	Spanish	
29 Es 1100 KBME	3 ND		
1105 unID	6		

Frank Aden, Jr., N7SOK, 4096 Marcia Place, Boise, ID 83704

Es started about 1pm on 6/18, I have locals on 2,4,6.

June 18, 1999		MDT	
1400 KOLO	3 SD		
KSTP	5 MN		
1500 KOTA	3 SD		
KDLT	5 SD		
also unid ch. 5 "FOX5"			
1630 KENW	3 NM		
KFDX	3 TX		
1900 KTVK	3 AZ		
KPHOT	5 AZ		
1930 KENW	3 NM		
2139 XHBC1	3 BCN		

(running Canal 9) unid 3 ABC slowly died out after 10pm

June 19, 1999			
0308 KDBC	4 TX	Nice ID	
MS burst, same burst produced nothing on ch. 5 & ch. 6 (locals KAID & KIVI were off)			
1300 XHBC1	3 BCN	running XENA	
Not too bad of opening since it was the first really major one of season. Did not hear any FM DX but we have slots open here nowadays.			
June 21, 1999			
0130 KMTV	3 NE		
unid 4	Deep Space 9		
June 23, 1999			
2000 XHBC			
July 6, 1999			
1100 KTVK	3 AZ		

John M. Jefferson, 4104 Spyglass Ct. Antioch, CA 94509-6051

Equipment: Zenith Sentry 2 color TV w/rabbit ears.

May 1999		PDT	
27 Es 1904 CFAC	2 AT	980	
Calgary (Their "7" logo)			
June 1999			
01 Es 2125 CBXT@ 5	AT	1148	
2133 CFAC	2 AT		
Calgary, local refs & "7" logo			
10 MS 0645 CFAC# 2	AT		
"7 News", MST, wx in Centigrade-blank to color & back in 1 min!			
15 MS 0738 CKCK# 2	AT	1208	
Local temps-blank to color & back in 2 min.			
18 Es 1159 CKCK	2 SK		
Calls--now using LEGAL callsign			
1244 CKCK	2 ID	in color	
19 Es 0849 CKCK	2 SK	calls	
23 Es 2009 KMID	2 TX		
Midland, their "2" logo in color			
24 Es 0859 KMID	2	"Big 2 audio"	
25 Es 1824 KREM	2 WA	705	
Spokane spot			
1841 CFAC	2 AT		
Calgary, "7" logo & C° temps			
1900 CKSA	2 AT	1201	
Lloydminster calls in color			
July 1999			
02 MS 1835 CFAC	2 AT		
Calgary, "7" logo on game show-blank to color & back in 1 min.			

Well, that's the Canadian Show from California. Considering that I've been off work & home nearly 100% of the time (except 5/19-5/23, when I was in the hospital), the results are certainly NOT great. What's puzzling is the incredible persistence of CFAC & CKCK. Granted, that yellow "7" stands out like a searchlight, but several other times I saw the "CTV" logo on 2 & it was likely CFAC or CKCK. It's interesting since N-NW on the outdoor antenna was always difficult due to overload from KCRA-3 & KVIE-6. @ has been used for new stations Antioch, as opposed to new to the Diablo region. # was used for first reception by a new mode. Before June, I had just one station via MS.

Mike Cherry, VE7SKA, Box 631 Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

June 1999		GMT	
13	1858 KNAZ	2	AZ 165°

Western TV DX *Mike Cherry*

15 Es 1931 KWGN	2 CO	125°	
17 Es 2351 KNAZ	2\$ AZ	165°	
18 Es 2000 KLBV	4 KS	130°	
KSWK	3\$ KS	130°	
2128 KUTV	2 UT	155°	
2155 KSL	5 UT	155°	
19 Es 0250 KNAZ	2\$ AZ	165°	
0259 KVBC	3 NV	170°	
1458 KWGN	2 CO	135°	
1500 KREG	3 CO	135°	
1600 KTVS	3 CO	135°	
1959 KTVK	3\$ AZ	155°	
2000 KNAZ	2\$ AZ	155°	
2133 CKND2	2 MB	85°	

CKND2 is a translator of CKND ch 9 Winnipeg, MB and KTVS 3 had KWGN 5 Cheyenne CBS for a top-of-hour ID

19 Es 2359 KTUU	2 AK	355°	
20 Es 0230 KCBS	2 CA	180°	
23 gw 0810+KHCV	45 WA	180°	
24 Es 0000 KENW	3 NM	165°	
0014 KTVK	3\$ AZ	165°	
0028 KNAZ	2 AZ	165°	
0126 KREG	3\$ CO	135°	
0229 KTVX	2 UT	145°	
2355 KCBS	2 CA	185°	
26 Es 0130 KVBC	3\$ NV	165°	
0158 KTVK	3 AZ	160°	
0201 KNAZ	2 AZ	160°	
0230 KENW	3 NM	155°	
0237 KASA	2 NM	155°	
0334 KREG	3 CO	120°	
0359 KCNC	4 CO	120°	
0400 KWGN	2\$ CO	120°	

The new ch 45z KHCV in Seattle is a mix of home-shopping & 'American patriot' type programs (for the lack of a better term) I've noticed recently that KTVS-3 Sterling CO has IDs for KGWN ch 5 Cheyenne WY at the top of the hr with the KTVS ID at the bottom of the hr. 27 Es 1500 KCBS 2 CA 180° 30 Es 1730 KNAZ 2 AZ 155° July 1999 01 Es 1730 KSWK 3 KS 135° 1800 KUSD 2 SD 110° 1817 KTVQ 2 MT 100° 1819 KOTA 3\$ SD 100° 1858 KTW0 2\$ WY 110° 02 Es 0256 KGAN 2 IA 130° 0300 KMTV 3\$ NE 130° 0529 CFRN 3 AB 020° 03 Es 1843 KTVS 3 CO 125° 2058 KTW0 2 WY 125°

09 Es 0400 KTUU 2 AK 350° Es3+0521 49.745 Asian video 315° 0553 49.757 "video 315"

Jeff Kadet, K1MOD, Box 20, Macomb, IL 61455

Equipment: Icom R7100 w/ video adapter; 9" b&w Panasonic monitor Zenith 9" b&w TV circa 1979 Es ant: Vertically polarized Channel Master 1110 up 12' and pointed 10 degrees above horizon; Winegard AP-8700 pre-amp, RG-11

June 10, 1999		CDT	
1517 XEFB 2	NL	1162 mi	
XHWX 4- XHDF-13 relay;			
Monterrey 1162			

1529 unID 5+ XHGC-5 relay Fernando sez it is probably XHAE Saltillo)

1645 WMAR	2 MD	747	
WSTM	3 NY	700	
WGBH	2 MA	1014	
WFSB	3 CT	934	
WUND	2 NC	839	
1707 WTKR	3 VA	806	
WCBM	2 SC	799	
WESH	2 FL	956	
WEDU	3 FL	1054	

17-QSO w/ Cayman Islands on 6M 1717 WWAY 3 NC 813 1734-1835 big 6M 2Es opening to Puerto Rico; QSOed 5 stns. Too many strong one-hop domestics on TV for 2Es audio or video

June 11, 1999			
0745 unID X--	2		
unid X--	2	both z to each other; one had programming, the other had a CB TP w/ no ID and played SS mx	
June 12, 1999			
7	WESH	2 FL	956
June 13, 1999			
1115 XEFB	2 NL	1162	
XHWX	4 NL	1162	
unid	3	XHDF-13 relay	
1215 XHAE1	5	Saltillo	
XEFE	2 TAMS	1026	

lots of Southern CA coming in on 6M. I always thought that the max. limit for single-hop was 1475 mi. but these are 1500+ and I am almost certain this was ONE HOP as no stations were coming in from the center of the path which is very odd. Also many single hop AZ stns were coming in at the same time which were definite single hop. Any

comments?			
1400 KASA	2 NM	918	
June 14, 1999			
0915 WPBT	2 FL	1168	
1015 KPRC	2 TX	799	
1345 KVBC	3 NV	1351	

June 15, 1999 0800 XEFB 2 NL "Hoy Noticias" (XEFB has a better local morning TV show than most USA stations) 1162

0900 KASA	2 NM	918	
KWGN	2 CO	770	
0925 KNAZ	2 AZ	1196	
0955 KUTV	2 UT	1125	
KTVX	4 UT	1127	
1030 KRTV	3 MT	1131	
1043 CKCK	2 SK	959	
1100 KFBB	5 MT	1131	

June 17, 1999			
1400 WCBM	2 SC	799	
WWAY	3 NC	813	
1420 WECT	6 NC	783	
1500 WRAL	5 NC	738	
WUNC	4 NC	702	
WUND	2 NC	839	
1555 WTKR	3 VA	806	
1621 WMAR	2 MD	747	
1647 WCBS	2 NY	874	

George, KOFF, ran some tests with his three different 6M antenna systems, all on different towers. He found the following:

1. The ideal arrival angle for TV Es was 13°.
2. The ideal height for an Es antenna was 12 feet.

George says that he gets Es 2 S units stronger at 12 feet than at 105 feet.

June 18, 1999			
0942 WPBT	2 FL	1168	
WFOR	4 FL	1167	
WEDU	3 FL	1054	
WUFT	5 FL	877	
1145 unID	2	XEW Net.	
1300 KASA	2 NM	918	
KNME	5 NM	932	
KUAT	6 AZ	1240	
KVOA	4 AZ	1240	
XEJ	5 CI	1067	
KOB	4 NM	932	

2100 opening still going strong; just about all directions but the NW coming in. If WPBT were the only station on ch.2 it would have probably been in all day. 2228 unID 3+ Mx Sitcom

Western TV DX J Kadet contd

2235 unID 3 local news w/ logo like WFSB-3's (skinny 3 in a circle) but to WSW
 2247 KNAZ 2 AZ 1196
 2255 unID 3 Mx ID in vertical id interval bar but too small to read on the 9" monitor. Should have had the 27" JVC hooked up (will next time). Did get a pic so maybe it will be IDed. Possible needed XHBC-3 Mexicali.
 June 19, 1999
 Another interesting day although no high mufs. Worked WFTDAers Mike Cherry, VE7SKA and Victor Frank, K6FV by double-hop on 6M. Also, a ham in SD worked a flurry of JAs (Japan) by multi-hop Es!!!
 0758 KPRC 2 TX 799
 Es or long MS burn
 1000 XEFB 2 NL 1162
 1015 XHPN 3 CI 984
 KTVK 3 AZ 1276
 KWGN 2 CO 770
 KASA 2 NM 918
 KNAZ 2 AZ 1196
 w/ ch.12 news)
 1055 KACB 3 TX 827
 KCSG 4 UT PAX 1217
 I'm finally getting used to seeing the new networks on VHF
 1230 KRTV 3 MT 1131
 1300 CICT 2 AB 1344
 1420 unID 3+ CTV
 1922 WUND 2 NC 839
 WUNC 4 NC 702
 WWAY 3 NC 813
 WMAR 2 MD 747
 WPBT 2 FL 1168
 WEDU 3 FL 1054
 June 20, 1999
 0800 WGBH 2 MA 1014
 WFSB 3 CT 934
 WFMY 2 NC 668
 WUNC 4 NC 702
 WRC 4 DC 730
 Fox 5 prob. DC
 1900 WFSB 3 CT 934
 WGBH 2 MA 1014
 1925 unID 2Z CBC to NNE
 2100 CKAL1 2 AB Lethbridge; CKAL-5 'A Channel'; 6.6 KW and strong 1256
 2200-2250 6M 2Es pipeline to Seattle and Vancouver, BC yet nada on TV. Tropo enhanced

KGAN did not help.

June 21, 1999

0845 WPTV 5 FL 1130
 WEDU 3 FL 1054
 WESH 2 FL 956
 WPBT 2 FL 1168
 1035 Cuba TP 1292
 1100 WBRZ 2 LA 702
 1130 XHWX 4 NL 1162
 unID 6 Mx cartoons
 XEFB 2 NL 1162
 KRGV 5 TX 878
 KMOL 4 TX 883
 KPRC 2 TX 799
 KGBT 4 TX 1070
 1205 WKRG 5 AL 693
 KDTN 2 TX 613
 KRIS 6 TX 962
 Kill 3 TX 968
 1400 KWAB 4 TX ch.9 IDs, 16.6 KW, rare 823
 1720 KMID 2 TX 866
 XHPN 3 CI 984
 XEFE 2 TM 1026
 June 22, 1999
 1100 WCBS 2 NY 874
 1130 WGBH 2 MA 1014
 WLBZ 2 ME 1154
 WFSB 3 CT 934
 unID 2 FFC
 2300 unID 2 Mexican
 June 23, 1999
 1000 unID 2 Mexican
 1100 WPBT 2 FL 1168
 1400 WLBZ 2 ME 1154
 WGBH 2 MA 1014
 1455-1615 massive triple-hop Es opening to Eu, Canary, and Madiera Islands on 6M (exactly a year to the day since the last one). QSOed Slovenia, Czech Republic, Canary Is and Italy, heard many others) Had Eu video buzz on 48.242 and 48.250 MHz.
 1700 CFAP 2 QC 1067
 WWAY 3 NC 813
 WSTM 3 NY 770
 1755 unID 2z CTV
 1810 KPRC 2 TX 799
 KMID 2 TX 866
 KGBT 4 TX 1070
 1900 KWGN 2 CO 770
 KOAA 5 CO 754
 KCNC 4 CO 770
 2000 KASA 2 NM 918
 KOB 4 NM 932
 KNME 5 NM 932
 June 24, 1999
 0903 WFSB 3 CT 934
 0915-0946 another triple-hop Es opening to Eu on 6M. This was

much more localized than yesterday. QSOed Portugal and Spain.

Almost certainly, the video buzz being heard on 48.250.0 was Spain and 48.242 was Portugal.
 Supposedly the Spanish station will be going to UHF soon.
 WMAR 2 MD 747
 WCAX 3 VT 951
 CBCs from chs.2-4
 1250 unID 2- XHGC-5 relay and had to be a goodie. Pointing due south. Only possibilities seem like Oaxaca or Chiapas. This could be a good excuse to take a vacation down there!
 1500+ unID 2 Mex could be the same as above or different. Had a 2 in a small circle lower r of screen
 1300 KDTN 2 TX 613
 1500 CFAP 2 QC 1067
 WLBZ 2 ME 1154
 Global 2
 FFC 3+ // to a 2z
 1520 muf briefly at ch.6
 June 25, 1999
 0800 XEFB 2 NL 1162
 1114 KWGN 2 CO 770
 XEFB still in
 1137 unID 2z XEW net.
 1200 XHMEN 4z YU 1348
 Merida; cartoons; calls upper r of screen
 XHY 2 YU 1348
 impossible to discern audio offset due to crummy tx
 1718 QSOed a DXpedition to Anguilla on 6M. Too bad there are no ch. 2s there!
 June 26, 1999
 0800 WKTV 2 NY 830
 CKCW 2 NB 1350
 0830 WCAX 3 VT 951
 WLBZ 2 ME 1154
 WABI 5 ME 1154
 in for 4 hours
 0859 WBZ 4 MA 1014
 0947 CJOH 6 ON 742
 CBLT 5 ON 620
 1030 CIII# 4 ON 572
 first time by Es, tropo b4)
 1115 CFCM 4 QC 1062
 CFAP 2 QC 1067
 WLNE 6 MA 1017
 WFSB 3 CT 934
 1200 WCVB 5 MA 1014
 WGBH 2 MA 1014
 1351 unID 4 Fox (think this was Hardin, MT off the side)
 WRC 4 DC 730

Western TV DX J Kadet cont'd

1430 WHSV 3 VA 654
 WUND 2 NC 839
 WTTG 5 DC 730
 ran out of steam
 There was more Es later in the day which I missed. Also lots of Es on 2M. Macomb was in the center and north of it so no hi-band opening was missed. The direction of signals to DC/VA became very skewed around 1415. Instead of coming in at 110 degrees they were peaking at 50-60 degrees. Frank Merrill noticed this independently.
 Only got 4 fulltimers on it all this time: WXIN, CICO59, KUBD and WVSX. It was good for xltr/LPVs, tho. w/ 10 of them.
 June 27, 1999
 0630 WPBT 2 FL 1168
 WEDU 3 FL 1054
 WESH 2 FL
 0650 WCVB 5 MA 1014
 0700 WLBZ 2 ME 1055
 0800 WCAX 3 VT 951
 CBFT 2 QC 930
 June 28, 1999
 1835 KNAZ 2 AZ 1196
 KTVK 3 AZ 1276
 1900 KVBC 3 NV 1351
 June 29, 1999
 0715 XEFB 2 NL 1162
 XHWXI 4 NL news
 0730 KTVQ 2 MT 966
 0800 KACV 2 TX 708
 0840 KASA 2 NM 918
 1000 KNAZ 2 AZ 1196
 June 30, 1999
 0820 WPBT 2 FL 1168
 WKMG 6 FL 983
 WESH 2 FL 956
 WEDU 3 FL 1054
 WFOR 4 FL 1167
 WPTV 5 FL 1130
 0916 XEFB 2 NL 1162
 XEJ 5 CI 1067
 1000 KMID 2 TX 866
 1022 unID 5 Mex
 "Hoy Noticias"
 1158 XEFE 2 TAM 1026
 KENS 5 TX 883
 1220 XHPN 3 CI 984
 1230 KDTN 2 TX 613
 1655 unID 2 Mex
 XHDF-13 relay
 X— 6 Mex

1715 KDBC 4 TX 1063
 July 1, 1999
 0900 WPBT 2 FL 1168
 WESH 2 FL 956
 WEDU 3 FL 1054
 0930 WJXT 4 FL 870
 1120 WFOR 4 FL 1162
 WKMG 6 FL 983
 1331 X— 4z XHDF-13 relay
 1355 X— 2z XHDF-13 relay
 1647 WBTV 3 NC 625
 darn rare
 WUND 2 NC 839
 WPTV 5 FL 1130
 WDCS 5 SC 1205
 1730 WDIQ 2 AL 660
 1806 KPRY 4 SD scarce 568
 KHTM 4 MT 956
 KMID 2 TX 866
 1830 KOTA 3 SD 689
 1845 KYUS 3 MT 10.5 kw 864
 X— 2
 1900 KACV 2 TX 708
 1955 XHY 2 YU 1348
 2251 KASA 2 NM 918
 Wildly fluctuating mufs all day long
 Danny Ogleshorpe, P.O. Box 6688, Shreveport, LA 71136-6688
 Email: dogleshorpe@yahoo.com
 Tropo: No relogs under 400 miles; no LPTV relogs under 200 miles.
 Es: Only the most productive day of each week. Plus new loggings.
 MAY 1999 UTC
 30 Es 1548 Denver 2, 4 806
 1630 KGFE 2 ND 1086
 1635 KDUH 4 NE 852
 1650 KNAZ 2 AZ 1045
 1655 KOB 4 NM 764
 1710 CKND2 2 MB 1279
 1740 WCBZ 2 SC 805
 1834 KWSE 4 ND 1206
 31 Es 0030 KPRY 4 SD 900
 0100 KTVQ 2 MT 1215
 KHMT 4 MT 1184
 0158 KTWO 2 WY 996
 tr 1330 Valley 5, 23, 44 -500
 Es 1631 XHCCN 4 QR 891
 Cancun; Supered calls
 June 1999 UTC
 10 Es 1555 WPBT 2 FL 939
 1623 XHFM 2 VER 950
 2210 WFMY 2 NC 838
 2223 WTVH 5 NY 1212
 WRC 4 DC 1042
 WUND 2 NC 1031
 2243 WUNC 4 NC 875
 2259 WTAE 4 PA 945

2310 WESH 2 FL 789
 2315 Detroit 2, 4 904
 2325 WBAY 2 WI 892
 2340 WNEM 5 MI 943
 2359 WRAL 5 NC 896
 11 Es 0035 XEFB 2 NL 611
 0057 XHFM 2 VER 950
 0110 KGAN 2 IA 672
 0120 XHAJ 5 VER 900
 0150 XHTV 4
 0158 XHG 4 JAL 1003
 18 Es 1525 KGFE 2 ND 1086
 1535 DC 4, 5 1042
 1630 KXMA 2 ND 1110
 1710 KUTV 2 UT 1160
 1725 KIVV 5 SD 987
 1728 KXJB 4 ND 1028
 1733 KNAZ 2 AZ 1045
 1745 KHMT 4 MT 1184
 1800 KTVQ 2 MT 1215
 Lander WY 4, 5 1071
 1853 KTWO 2 WY 996
 1900 KWSE 4 ND 1206
 19 Es 0053 WUND 2 NC 1031
 0104 WUNC 4 NC 875
 KASA 2 NM 753
 0115 Albuquerque NM 4, 5 764
 0130 KPHO 5 AZ 1065
 0159 WMAR 2 MD 1072
 0310 KTWO 2 WY 996
 0325 KMID 2 TX 487
 0408 KXLF 4 MT 1376
 22 Es 1513 KNAZ 2 AZ 1045
 XEPM 2 CHIH 778
 1553 XEFB 2 NL 611
 1523 XEWO 2 JAI 1003
 1702 XHG 4 JAI 1003
 2110 KVOA 4 AZ 1004
 2122 KPHO 5 AZ 1065
 2310 XHAQ 5 BCN 1265
 Mexicali; Full ID
 2248 KVUU 5 NV 1238
 2259 Salt Lake City 2, 4, 5 1160
 2310 KCSG 4 UT 1151
 23 Es 0030 Lander WY 4, 5 1071
 KHMT 4 MT 1184
 24 Es 0040 CKX 5 MB 1247
 Brandon; Ads and ID
 25 Es 2323 XHSS 4 SON 1047
 "TV Azteca Hermosillo" ID, ads
 26 Es 2330 CHNB 4 ON 1228
 North Bay; Ads
 27 Es 0105 WITI 6 WI 801
 Milwaukee; ID
 30 tr Valley 4, 5, 9, 23, 44 -500
 Comments: Many thanks to Fernando for helping me improve my DX book keeping! Next month's report will reflect the changes.



TV COMES TO FARGO

(Randy Miltier sent me this piece shortly after it was published in *WORLD RADIO* magazine in 1992. While it was written about WDAY-TV in Fargo, North Dakota, it's a great tale of startup horrors that probably occurred on almost every station's premiere live broadcast. I met the author a couple of times back in the 50s and while I don't think he remembered me, he did grant permission to re-print the material here. Edited to conform with VUD space limitations.)

Opening Night... A Glaring Success At Channel 6

By: BILL SNYDER (WOLHS)

Life is full of high points that stick in your memory like crazy glue can stick to fingers. Moments during my African adventures, soloing an airplane, getting married, and the first night's broadcast of WDAY-TV hang in my brain tenaciously. There is no erasing these events.

In 1952 I joined Fargo radio station WDAY to help put together a new local TV station, the first in the area. Because my background was in photography and motion picture work, the station management had offered me the job.

During the waiting period for the FCC construction permit, the company sent me to RCA school in Camden, New Jersey, to learn the fundamentals of TV operation. At that time I held First Phone

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and Second Telegraph licenses and I was eager to learn about the new broadcast medium.

When I returned to North Dakota we began to build the first TV station in the Fargo area. Our startup target was June 1, 1953; but we had a problem. Due to a severe rain storm the previous year, the studio building we were in the process of erecting had suffered flood damage that caused a basement wall to collapse. So the partially constructed studio building sat quietly through the winter until spring came to the prairie again. If we were going to make our startup deadline we had to make some temporary facility arrangements.

We had purchased a defunct FM tower and transmitter building (KVNJ-FM) so we decided to add a large three-car garage to the transmitter building and use it as a temporary studio. The film, photo and business operations were conducted from temporary downtown offices.

Equipment for the station had been optioned before the license grant was made, so we were in good shape to get the TV transmitter and studio gear. However, certain items were in short supply and therefore we had to make adjustments for the shortages. But all-in-all we managed to get the test pattern on the air in May, and WDAY-TV was ready to broadcast its first program on June 1.

The sign-on broadcast was scheduled for 6:45 p.m. that day. The general manager thought everyone would be through with dinner and therefore we would blast off with a full audience glued to their sets.

At that time WDAY radio was the leading station in the North Dakota area. We had 23 live musicians and entertainers on staff. Frank Scott, later a piano player and arranger for the Lawrence Welk Show, was the musical director. Our entertainers produced two popular weekly road shows that were broadcast from small town locations in the area. So it was a natural to feature our live talent on the opening show.

The first 15 minutes was film I had previously shot of the mayor, the governor, and a few other dignitaries making short congratulatory speeches. Then we went live into the three-car garage studio where the lights hung about eight feet above the floor and the air conditioning was nil.

Not all the 23 musicians and singers

were on the first show, but you can be certain that most of them performed. The talent ranged from cowboy singers Hank and Thelma to Frank Scott and the big studio band. And all were jammed into that little garage with the two cameras.

The lighting level was about 250 foot candles, and so during the hour show the temperature began to rise like an inflating hot air balloon. The sweat began to pour off the entertainers.

Our country western singers whanged their guitars, yodeled and happily did their stuff. The dance band played the hits of the day, the singers crooned and jitter bugged, and the temperature rose.

The first commercial spot arrived after the big orchestral opening. Nobody had bothered to rehearse the commercial which was for a retail store that sold band instruments. The store had brought saxophones, trombones, cornets, and sousaphones, and displayed them neatly on a table that could be rolled out under the lights. The audio was to be supplied by a booth announcer while the camera panned around on the pile of shiny horns. It looked great on paper.

Because of space shortage, the instrument display was rolled in front of the cameras at the last possible moment. The director called for a camera to 'pan around on the horns' as written in the script. Camera one moved over and zeroed in on the horns.

Now you must understand that the image orthicon tubes in the cameras of that day were super-sensitive to specular highlights. Unlike the color pickups used today, the black and white camera tubes of 1953 "bloomed" a black halo around every specular highlight. The brighter the highlight the bigger the bloom! Nobody at WDAY-TV had ever heard of dulling spray, a waxy substance used to dull reflections (I can't remember if it had even been invented at that point in time).

You can imagine what happened to that myriad of highlights bouncing off those shiny horns; every light in the studio was reflected in the rounded brass and silver plated objects. The screen on the control monitor became bright specks surrounded by a sea of black. Absolutely nothing was discernible in the picture.

"Do something," the director screamed at the video control engineer.

The poor technician was twisting every knob on the console trying to rectify

the problem, but nothing worked. It was a one minute disaster in specks and blooms.

"Pan over to the logo card," the director yelled over the intercom. "Get off that shiny junk."

During all this commotion the booth announcer was calmly reading the copy like good booth announcers should do. But the announcer's booth was a temporary box about the size of a phone booth and the walls were not quite soundproof. So, the yelling back and forth by the technical guys was audible to the folks at home. It was a great way to start off a brand new TV operation.

When the camera reached the logo card on an easel, the video was all out of adjustment due to the frantic knob twisting, so it took a bit of time to get it back to a presentable picture. In the meantime, the temperature in the studio climbed and climbed.

The next few commercials were on film, so there was no problem. But when we had another live commercial, the announcer calmly pulled the ad copy out of his coat pocket and read it to the camera. It was exactly like he would do on radio. The thought never occurred to him that TV required visuals in addition to the announcer reading the script.

I would like to report that all the rest of the show went without difficulty, but I cannot. The master of ceremonies, who was also the program director, had to cross over from one side of the set to the other. Instead of walking around the two cameras, he took a shortcut by dropping to his knees and crawling across the back of the set. Just as he reached the middle of the set, the director switched cameras to full shot of the group playing. Yup, there on camera was the MC making like Fido.

We had a cat roaming around in the studio to keep the mice out of the transmitter. There is nothing quite like having a mouse invade your high voltage supply and commit suicide. Well, the cat managed to make an appearance during the show also, but only in a minor role.

And so WDAY-TV entered the life of the Fargo, North Dakota area. It's now a fixture.

Editor's note: I want to apologize for the dismal appearance of last month's Time Tunnel. When I selected the material I knew it was a 'crap-shoot' as to whether it would reproduce well or not... unfortunately the latter was the case.

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Classic V.U.D.

Original articles from the early days of the VUD...articles that stand the test of time.
This one written by Dave Janowiak and originally appearing in a Dec 1971 issue of the
VUD. It has been updated for use in this VUD.

TV and FM Receiving Antennas: Fantasies, Fads and Facts

The five major characteristics used to evaluate antennas are 1. gain, 2. beamwidth, 3. front to back ratio, 4. front to side ratio and 5. impedance match.

Most characteristics are derived with the aid of a polar plot obtained by using a pen recorder that responds to changes in signal as received by the antenna. Specifically, a polar plot is a recording of antenna sensitivity with a constant-strength signal arriving from a fixed direction as the antenna is rotated through 360 degrees. Obviously, most antennas receive less signal when rotated away from the signal source.

Figure 1 shows how such a plot is arranged and used. We simply hold the chart parallel to the ground and look down on it just as you would view a compass. The fixed signal arrives at zero degrees. The antenna which is aimed at the fixed signal source, is at the center of concentric circles that indicate the signal pickup ability of the antenna. These circles are numbered 1,2,3, etc., usually out to #10. A chart of antenna sensitivity that extends out to circle #10 would indicate twice the pickup ability of a chart out to circle #5, and ten times the pickup ability of a chart out to circle #1, all on the same plot, of course. These circles actually indicate relative power or voltage. They do not directly translate to distances away from the transmitter over which you can expect to receive a signal. For simplicity only five circles are shown (2,4,6,8,10) but the reader can interpolate since the distance between circles is equal.

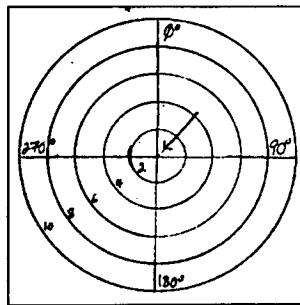


Figure 1

An actual plot of antenna sensitivity is shown in figure 2. This dipole antenna plot has its greatest sensitivity at 0 and 180 degrees as indicated by the area inside the dark lines. This area is usually called a pattern. Since the dipole is a "basic" antenna, its gain characteristic, or pattern in 0 degree direction, is usually the basis upon which the gain of any other antenna is compared. NOTE: All polar plots are derived with antenna so mounted that it is not affected by trees, power lines, etc. This "free space" plot is seldom achieved when you mount the antenna in a typical installation. The result may be spurious side bulges or lobes not seen on the polar plot.

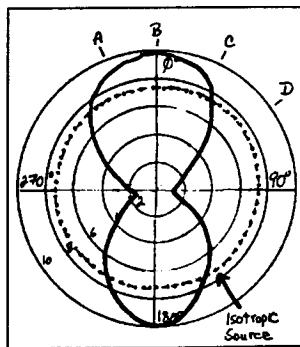


Figure 2

Note that the antenna aimed at zero degrees (B). This antenna could not discriminate between equal strength signals arriving from A, B, and C because this antenna has a very broad pattern. However, a signal arriving from D direction only intercepts the pattern at about line 4, meaning that signal strength would be less than that received from A, B, or C. Antenna sensitivity to signals arriving from directions other than zero degrees produces some of the characteristics to be described later.

Figure 3 shows how antennas are compared to each other on the same polar plot. The distance out onto the plot that a pattern extends is really arbitrary. That is, a single antenna pattern is usually brought out to the largest circle only as a convenience. The same dipole pattern in Fig 2 as redrawn in Fig 3 shows the pattern extending out to only about circle 3. However, the shape is identical to that in Figure 2. The Figure 3 pattern has been "scaled down" to allow superimposing a pattern of an antenna that has more signal pickup (gain) than the dipole. This has been done in dashed lines that show the pattern of a 5 element yagi. Note that the yagi pattern extends to the outer circle, thus the exact patterns of these two antennas can be compared. This description of polar plots, patterns, etc. will be referred to often as specific antenna characteristics are reviewed.

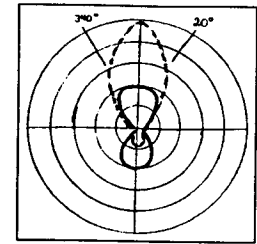


Figure 3

Antenna gain is defined in textbooks as "the difference of a directional antenna as compared to a standard nondirectional antenna." Using Figure 3, this is rather self-explanatory. The gain in absolute numbers of the 5 element yagi is about 3.3 db. However, a more specific definition of gain, and more accurate and in step with accepted terminology today, is: the ratio of an antenna's pattern in the optimum (0 degrees direction) to the pattern of a cut-to-channel dipole also aimed in the optimum direction (the pattern in the optimum 0 degrees direction is also called the main lobe.)

Some antenna manufacturers, either intentionally or not, list gains that seem to high for that design. Next to a lie, the only way these gain figures could be possible is if the antenna is compared to a "basic" antenna of less gain than a dipole. And this is not really unusual since a theoretical non-directional basic antenna called an isotropic source, once was accepted more so than the dipole.

The isotropic source (which is all directional) has 2.14db (about 25%) less gain than a dipole. Therefore, if maker "A" specifies a 9 to 15 db gain for an all-channel antenna, you can bet this gain was compared to an isotropic source and the actual gain as compared to the dipole reference antenna should be about 7-13db.

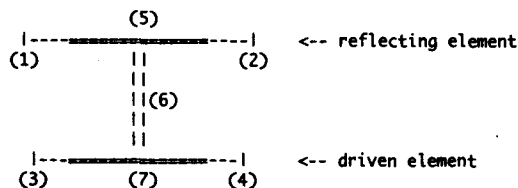
Gain is seldom constant over a wide frequency range. In fact, it is seldom constant over even a single 6 mhz TV channel. An antenna with 4 db gain at the video frequency of a TV channel but progressively higher gain up to 9 db at the audio frequency of that channel will produce poor color and improper balance of audio and video. This brings up another characteristic called bandwidth. Since it is linked to gain, however, bandwidth is not called a major characteristic here. Most antennas have adequate bandwidth across any one channel, although gains can vary drastically between far removed channels. What's a good gain for serious DXing? Low band: 6 db average, High band: 12db average, FM: 10db average and UHF: 15-20db average. You cannot directly convert antenna gain into distance over which a particular signal can be received. For example, the 5 element yagi gain is 3 times that of a dipole. But, all things the same, you cannot say that the signal received with a dipole at 50 miles will be the same as with the 5 element yagi at 150 miles. Signal levels diminish by a square law so you need more than triple the dipole antenna gain to overcome losses over a path three times farther.

The characteristic of beamwidth (not to be confused with bandwidth) is the distance in degrees of the main lobe over which the antenna gain is at least 70% of maximum. This is nothing more than a magic number that someone said relates angular distance to useable gain. For example, in Figure 3, the beamwidth of the 5 element yagi is about 40 degrees because the pattern intercepts the 7th circle at about 20 degrees and 340 degrees, which is a 40 degree span. Beamwidth relates antenna directivity because the more directive the main lobe of any antenna, the narrower the beamwidth. A typical log periodic all-channel antenna, for example, with a 90 degree beamwidth at LB will deliver 70% of its maximum voltage when it is rotated 45 degrees either side of the point where maximum signal is received. This rather wide front lobe makes it more difficult to distinguish between signals arriving from nearly the same direction. In itself, the beamwidth tells you nothing about other characteristics except that a very narrow beamwidth implies high gain in most antenna types because most signal pickup ability is concentrated in a long, narrow main lobe. A decent beamwidth for serious DXing is about 40-50 degrees at HB and 50-79 degrees at LB, obtainable with antennas that produce the gains noted previously.

Going on vacation? Forget about taking that portable, pack your best FM tuner along with you, and build this ultra-simple 2-element Yagi for the FM broadcast band



Included below is plans for a fairly portable 2-element yagi for use in the FM broadcast band. It provides 5 dB of gain over a quarter wave groundplane antenna, and can be adjusted for an SWR ratio of better than 1.5:1 (



Parts List:

- 1,2,3,4: 33-inch or longer telescoping replacement antennas (available at Radio Shack)
- 5,7: 24-inch sections of .5x1" (or similar) wood
- 6: 24-inch section of .5x2" (or similar) wood
- 8: length of coax with connector at one end
- + misc hardware (nuts & bolts, etc.)

Instructions:

- 1) First mount the telescoping replacement antennas on parts 5 and 7. Mount them so that the ends meet at the center of each piece of wood and are spaced about 1/2 inch apart.
- 2) Now mount parts 5 and 7 on part 6. I used a pair of bolts for both pieces to keep parts 5 and 7 perpendicular to 6. The ARRL antenna book recommends parts 5 and 7 be separated by about 0.2 wavelengths. I'd use about 24 inches of separation if you're at the low end of the band (88MHz) and 20 inches of separation if you're at the high end of the band (108MHz). Shorter separation results in more antenna gain at the sacrifice of a lower feedpoint impedance.
- 3) Next, strip one end of the coax and solder the ground conductor to the inside end of the telescoping replacement antenna on part 7 and the center conductor to the inside end of the other antenna.
- 4) Finally, short out the two inside ends of the telescoping replacement antennas on part 5 (the reflecting element) by soldering a short length of wire between the inside ends of the two antennas.

This completes construction of the 2-element Yagi. You might also want to buy a length of dowel (1" diameter or larger) to mount the antenna on. I screwed a stud into the dowel on mine and then drilled a hole near the center of part 6 above and used a wing nut to mount the antenna on the dowel. I sharpened one end of the dowel which allows me to stick it into the ground with easy at my transmitting site.

Further refinements:

If size isn't a concern, you can pick up another 2 dB of gain by adding a third directing element. This element should be a few percent shorter than the length of the driven element and spaced the same distance apart from the driven element as the reflecting element is spaced from the driven element. You'll need two more sections of telescoping replacement antennas and be sure to short them out as with the reflecting element.

Note that when mounted horizontally, this antenna gives horizontal wave polarization. This is optimal for listeners with horizontally polarized receiving antennas such as the ubiquitous FM dipole antenna. It will give poorer results for listeners with vertically polarized antennas such as many automobile antennas. If the antenna is vertically mounted, it will give vertical polarization. If you mount it at a 45 degree angle, it will theoretically be cross-polarized. I haven't tried this in practice yet, but if it gives a reasonable SWR, it's probably worth a try.

Tune-up:

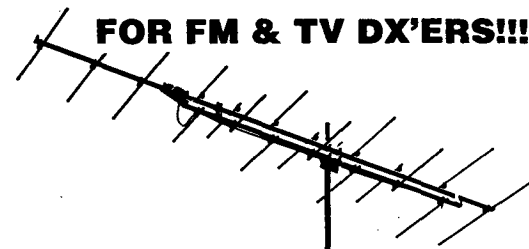
First, determine the length of a 1/4 wave section of antenna for the transmitting frequency. Use the following formula:

$$\text{length (inches)} = \frac{2808}{\text{Fmhz}}$$

Now, set both driven elements to the length indicated above. Next, multiply the above length by 1.05 and set both reflecting elements to that length.

An example should make things clearer: If your transmitting frequency is 88.1 Mhz, your length will be 2808/88.1 or 31 7/8 inches. Extend both driven elements until each element is 31 7/8 inches long. Now, multiply 31 7/8 inches by 1.05 to get the length of the reflecting elements. This comes to approximately 33 1/2 inches. Extend both reflecting elements until they are 33 1/2 inches long each. Now, connect the antenna.

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



**NEXT MONTH: READ MORE ABOUT THE DX
OPENINGS THAT "SAVED" THE SUMMER OF '99**