

# DX News

\* Serving DXers since 1933 \*



Volume 64, No. 30 - September 22, 1997 (ISSN 0737-1659)

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CPC Test Calendar  
KTGG ... MI..... 1540 .. Oct. 4 ..... 0000-0030

KTGG-1540 - c/o Spring Arbor College - 106 East Main Street - Spring Arbor, MI 49283 will conduct a DX test from 12:00 to 12:30 am EDT at 450 watts nondirectional on Saturday, October 4, 1997. The test will include classical, march, and Christian rock music, plus voice IDs, test tones, and Morse code IDs. Reception reports may be sent to Mr. Lewis Munn, Chief Engineer, or <<lmunn@admin.arbor.edu>> (<<WWW: http://www.arbor.edu/wsae/ktgg.htm>>). Arranged by J. D. Stephens.

From the publisher ... And our thanks to J. D. for arranging our first test of the season, even though neither the NRC nor the IRCA (of which J. D. formerly was CPC chairman) has any kind of a CPC organization any more. That's right, of close to a thousand club members, no one has stepped forth to take charge of this worthy committee which serves DXers in both clubs. Isay it's time for new blood, and perhaps one of you under-25-year-old types, or even better a mutual member of both NRC/IRCA, would like to volunteer to take over the CPC and run it as a joint venture for both clubs (heresy? Get a life!). If so, please contact Ken Chatterton (address on back cover) ASAP.

Congrats also to Dave Schmidt who again pulled off a fun-filled convention in Delaware for 52 or so attendees. My personal highlight was the visit to the studios, transmitter, production studio, etc. of WAMS. Truly one-of-a-kind! The auction netted \$463 or so this year (after a recount by the bleary-eyed NRC treasurer Dick Truax in the wee hours of the morn), and, yes, I got my share of coffee cups (I even let John Malicky carry off a small portion for his collection!). But beware ... refrigerator magnets are next; there's still bare space on the front of my refrig. Dave also humbly apologizes for not being able to type up some Musings and promises to be 100% caught up by #1, the October 6 issue. Hope you're getting some quality rest for a change by now, Dave.

On a sour note, Ben Dangerfield is missing a manilla envelope containing a number of his prized verifications. It was a large brown envelope and disappeared from the meeting room at the New Castle NRC Convention on Friday Aug. 29, 1997.

Included were veries from Australia, New Zealand, Tarawa, Swan Island, Iceland, and Montserrat. If anyone finds it in his papers, please send it to Ben or any NRC official.

NRC E-mail list ... Paul Mount is again organizing the DX'er Email list; if you'd like to be on it, get in touch with him at <<prmount@attmail.com>>, if you have not submitted or confirmed your E-mail address since spring 1997. He would like the following information for each person: Name, State, City, preferred email address, secondary email address, and web page URL if any. Let's make the deadline October 1.

Publication ... Art's Book World, Inc. - 6822 22nd Ave N., Ste 175 - St. Petersburg, FL 33710 sent a catalog recently; his firm sells mostly military electronics technical manuals. Send him a 32¢ stamp for a copy of the catalog.

Welcome to these new members ... Paul H. Alves, Mattapoisett, MA (rejoins); Dan M. Dankert N6PEQ, Tustin, CA; Jim Dionne K1MEM, Sudbury, MA; David B. Legg, Highland, IN; Michael N. Beu; John Van Praag, Sepulveda, CA; Thomas Shaffer, Toledo, OH; Kenneth C. Evans, Chester, WV; Keith Mechler, Troy, IL; Joe Grunkemeier, Miami Beach, FL; Bob Evans WB0FQT, Cedar, MN; Gerald L. Ragland, Franklin, OH (rejoins); David Tejral, Bridgeport, TX (rejoins); Nolan Stephany N2EAW, Williamson, NY; Steve Kennedy, Coal Township, PA; David Edsall, Amherst, MA; Ted Powers, Columbus, GA; Jim Boehm, San Antonio, TX (rejoins); Mike A Oswald, Houston, TX; Peter V. Taylor, Tacoma, WA (rejoins); Fred E. McKinley, Bedford, Nova Scotia. We stand at about 775.

## DX Time Machine

From the pages of *DX News*:

50 years ago ... from the Sept. 6, 1947 DXN: It was reported that 34 members and friends attended the 1947 NRC Convention in Buffalo, NY. Highlights were the banquet, a bowling match, and a salute on the monthly DX program from WATN-1240. NRC poet laureate Carroll Seth composed a poem in honor of the Convention.

25 years ago ... from the September 23, 1972 DXN: Wes Boyd was named as Domestic DX'er of the year, and Bengt Ericson was named as the International DX'er.

10 years ago ... from the September 21, 1987 DXN: The Cubans were blasting 1040 and 1160 kHz with 300 kW signals.

# AM Switch

**Jerry Starr**  
c/o WHOT Radio  
4040 Simon Road  
Youngstown, OH 44512-1320

*Status changes in AM stations, supplied by the FCC and listeners*

## CALL LETTER CHANGES

Old call	New call
570 WLLE	NC Raleigh WRDT
620 KOTK	OR Portland KEWS
860 KZTW	OR Troutdale KPAM
940 WCSY	MI South Haven WGMV
1000 WMLZ	FL Jupiter WJBW
1030 *New	AL Brantley WAUL*
1060 KUKQ	AZ Tempe KDUS
1060 KPAY	CA Chico KNSN
1150 KIIS	CA Los Angeles KXTA
1200 CFGO	ON Ottawa CIBZ
1240 *New	AK Seward KFSH
1240 KAWS	TX Hemphill KPBL
1290 KNSN	CA Chico KPAY
1300 WQBK	NY Rensselaer WTMM
1340 *New	ID Rupert KETO
1360 WRAH	SC Easley WELP
1370 KFJM	ND Grand Forks KUND
1380 WINH	KY Winchester WMJR
1380 WRKG	OH Lorain WDLW
1390 WZHF	VA Arlington WDBI
1400 KUNA	CA Indio KESQ
1400 WYFX	FL Fort Pierce WIRA
1410 KQAM	KS Wichita KMYR
1420 KRSR	OR Coos Bay KMHS
1450 KFTW	MO Fredericktown KYLS
1460 WKRP	IN North Vernon WNVU
1500 WKGA	IL Zion WTAU
1520 KMPL	MO Sikeston KRHW
1540 KTNO	TX Fort Worth KPAD
1600 WFOG	VA Chesapeake WVBV

From NRC's DX Audio Service ...  
**'After Dark 7'**  
Now available: The KVET story, writing reception reports, Superadio battles, Broadcast Pioneers, digital TV, Pirates in Miami, Tommy Charles tribute, and much more! 4 C-90 tapes in a white binder: \$9.50 postpaid from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

\*Call note: Last issue we carried a call application for KAWG from a new station on 1030 in Brantley, MN. Enjoy now this tale of how things can go very wrong at the FCC. Many years ago there was an application for a new station in Sauk Rapids, MN on 1030 kHz. It has long since been cancelled but the FCC has an annoying habit of failing to purge their database of old information. Now comes a CP for WLVN 1080 Brantley, AL to move to 1030 kHz. Following the recent hocus pocus in Canandaigua, NY (see Issue 28) WLVN has had their CP to change frequency "recharacterized" to show it as a CP for a new station and will now operate stations on both 1080 and 1030 kHz. Meanwhile, back at the FCC, somebody went to the database to assign a call to this newly created "new" station and running across the old data for Minnesota promptly changed it to show "Brantley, MN" and, of course, assigned it a "K" call. Your tax dollars at work! So scratch out the entire 1030 entry shown in the last AM Switch. What is shown above should straighten this all out. We hope.

## APPLICATIONS FOR NEW STATIONS

880	CA Barstow: 250/250 U5
880	CA Indio: 250/250 U1
890	CA Arroyo Grande: 10000/1000 U4
890	CA Sheridan: 5000/250 U4
1400	NV Sparks: 350/350 U1
1440	TX Fort Worth (synchro for KTNO Denton, no power shown)
1440	TX Dallas (synchro for KTNO Denton, no power shown)

*KCJA Radio Station*

POST OFFICE BOX 898  
Corpus Christi, Texas 78403

## GRANTS FOR NEW STATIONS

1030 AL Brantley: 5000/400 U2 (see above under Calls)

## APPLICATIONS FROM EXISTING FACILITIES

750 WBMD	MD Baltimore: 1200 D3
990 KWFT	TX Wichita Falls: 2700/360 U4, city of license to Farmersville, TX
1040 KCBR	CO Monument: 5000 (2000 CH) D1
1050 CICF	BC Vernon: night power to 4000 watts
1460 KKTK	TX Waco: 900/250 U1
1500 KVSNN	WA Tumwater: to 1340 kHz with 1000/1000 U1

**KWLO**  
**AM 1330**

Park Radio of Iowa, Inc.  
P.O. Box 1330  
Waterloo, Iowa 50704

## GRANTS TO EXISTING FACILITIES

820 KCBF	AK Fairbanks: 10000/10000 U1, relocate transmitter site
740 CBL	ON Toronto: to 99.1 FM, will surrender AM license
980 KRTX	TX Rosenberg: modify CP for 5000/5000 to show 4600/4000 U4, automatically cancels AP for 4000/5000 shown in Log
1260 KBRH	LA Baton Rouge: day power to 5000 watts
1310 WOKA	GA Douglas: 3900/39 U1
1320 WUNO	PR San Juan: night power to 2300 watts, relocate transmitter site
1340 CFHC-1	AB Banff: to 106.5 FM, will surrender AM license
1410 WHBT	FL Tallahassee: night power to 18 watts, relocate transmitter site
1450 CHFC	AB Canmore: to 106.5 FM, will surrender AM license
1470 WVBS	NC Burgaw: 880 D1, relocate transmitter site
1470 CHOW	ON Welland: to 91.7 FM, will surrender AM license
1560 WSQR	IL Sycamore: 210/210 U4, relocate transmitter
1560 KABI	KS Abilene: add 100 watts nights, antenna to U1
1600 WSNR	KY Hartford: city of license to Beaver Dam, KY

## OTHERNESS

540 KUHB	AK St. Paul: CP for this new station is expired but reinstatement has been requested so this one is evidently still planned
540 KIEZ	CA Carmel Valley: silent station is ON THE AIR
670 WVNS	VA Claremont: new station is ON THE AIR
730 KKDA	TX Grand Prairie: CP for synchro transmitter in Forest Hill, TX is expired but station has requested a reinstatement so evidently this synchro is still planned
800 *New	MN Sauk Rapids: CP for new station shown in AMS Issue 28 should show MN for the state, not WI as the FCC first indicated
860 KOSE	AR Osceola: CP to change city of license to Wilson, AR is on
860 WRFB	FL Cocoa: CP to relocate transmitter is on
910 KVVQ	CA Hesperia: silent station is ON THE AIR
960 KCLL	CA Lompoc: license CANCELLED, call DELETED
960 WJYZ	GA Albany: CP to change to U4 is on from new transmitter site
980 WRNE	FL Gulf Breeze: the surprise cancellation of this station's license shown in AMS Issue 28 has been called off by the FCC correcting an obvious error by the folks in DC
1010 KSYG	AR Little Rock: license CANCELLED, call DELETED
1010 WCNU	FL Crestview: license CANCELLED, call DELETED
1030 WWGB	MD Indian Head: station is SILENT but is expected to return with a Black Gospel format in late September
1040 WJHR	NJ Flemington: station has been reportedly heard testing with carrier but subsequent and extensive monitoring reveals no further activity, possible a site test
1040 WYSL	NY Avon: CP to move here from 1030 kHz is on, presently running STA with 625 D1 but expects 2500/500 U4 operation to begin in September
1060 KNSN	CA Chico: station is SILENT (call swap noted above moves KPAY call and format to 1290 kHz and leaves 1060 kHz off the air).
1070 WAPI	AL Birmingham: CP for 50000/10000 U2 has been CANCELLED, station remains 50000/5000 U2.
1080 WIKU	WV Hurricane: CP for 1000 D1 is on
1090 CKRX	AB Lethbridge: has moved to 95.5 FM by by purchasing CHLP-FM
1130 WKIJ	AL Parrish: previously shown as cancelled, WKIJ has reappeared in the FCC


database so has evidently been reinstated although it is not presently on the air. Add to Log 1000 D1

1150	WRRR	IL	Rockford: license CANCELLED, call DELETED	<b>1480WCNS</b> <i>Live hits and more!</i>
1180	WMYT	NC	Carolina Beach: silent station is ON THE AIR	
1190	KVSV	KS	Beloit: CP for 2500/90 U4 is on	
1220	KREQ	CA	Fowler: CP to move to 1210 kHz is expired but station is requesting a reinstatement and modification of the CP to show 370/370 U1 from a new transmitter site	
1220	WOTS	FL	Kissimmee: CP to increase night power to 110 watts has been CANCELLED, remains 1000/21 U1	
1220	WGNV	NY	Newburgh: after a short operation on 1200 kHz this station has returned to 1220 and the fate of the 1200 CP is unknown, can a member in that area sniff this one out?	
1230	KWAS	MO	Joplin: station is SILENT	
1240	WPBQ	MS	Flowood: new station is ON THE AIR 1250 WKBR NH Manchester: silent station is ON THE AIR relaying WXRV 92.5 Haverhill, MA but expects to begin a new format this fall	
1260	KLYC	OR	McMinnville: expired CP to reduce night power to 850 watts and relocate transmitter has been reinstated	
1280	KARW	TX	Longview: license CANCELLED, call DELETED	
1350	KCKC	CA	San Bernardino: CP for 5000/600 U4 is on	
1400	WGIL	IL	Galesburg: CP to relocate transmitter is on	
1420	KMHS	OR	Coos Bay: silent station (as KR5R) is ON THE AIR (station has been donated to the Coos Bay school system and is now run by students)	
1430	WFOB	OH	Fostoria: CP to relocate transmitter is on	
1460	KDON	CA	Salinas: station is SILENT	
1460	KULA	HI	Honolulu: FCC database now shows this city of license, evidently was changed from Maunawili and slipped through that rather large information crack at the FCC	
1460	WGUD	MS	Moss Point: license CANCELLED, call DELETED	
1500	KUMU	HI	Honolulu: CP to relocate transmitter is on	
1500	KCLF	LA	New Roads: license CANCELLED, call DELETED	
1520	WTRI	MD	Brunswick: station is SILENT, their CP for 9300 D3 has been CANCELLED, remains 500 D1	
1520	WCHE	PA	Chester: CP to move to 1510 kHz shown in Log never actually existed, t'was the result of a keystroke error (ie: TYPO) at the FCC during data entry for another application. WCHE will remain on 1520 kHz	
1560	WTKN	AL	Daleville: silent station is ON THE AIR	
1570	WGSR	GA	Millen: license CANCELLED, call DELETED	
1570	WNSH	MA	Beverly: CP to change to U3 from new site is CANCELLED, stations remains 500/500 U4	
1600	WCGO	IL	Chicago Heights: silent station is ON THE AIR <i>Jimmy &amp; BKF</i>	

**THANKS:** Ed Krejny, Bill Hale, Wayne Heinen, Al Merriman, Ken Onyschuk, Dave Schmidt and MSJ

Sorry to have missed seeing everybody at the Convention, I hear it was a good one. Unfortunately emergency hospitalization for eye surgery virtually on the eve of the Convention cancelled my plans. Hopefully next year the gremlins will stay away and I'll CU in TX.

We "one-eyed" this edition of AMS and apologize for any typos that may have gone undetected. 73 and Good DX, Jerry Starr & Buffalo K. Foonman



## The DX'pedition Handbook ...

is simply all you need to plan your next DX'pedition. \$8.95 to NRC members, \$12.95 to non-members. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

**THE DX'PEDITION HANDBOOK**

## Domestic DX Digest

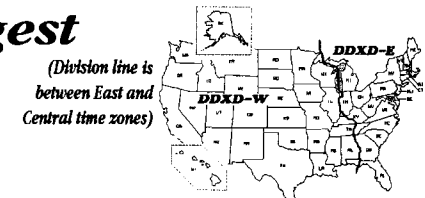
**West: Bill Hale** phantom2@cszr.net

6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

**East: David Yocis** DavidYocis@aol.com

97 Clinton Ave. - Nyack, NY 10960-4603

**DX Catches in the U. S. and Canada, with 24-hr. ELT**



### DDXD-West

#### MEDIUM WAVE RAMBLINGS

- I have found a WWW site from which you can download a table of sunrise/sunset times for your (or any other US) location). It is <<http://tycho.usno.navy.mil/srss.html>> then select "Compute Yearly Local (U.S.) Sun and Moon Data". For those of you not hooked up to the web and would like one, send me \$1.00 and a self-addressed, stamped envelope and I'll get it for you. Any "profit" will be passed along to the NRC. Also, for a tour of the WLW site, including history on the big 500,000 watt transmitter of the 1930s, go to <<http://www.exit109.com/~jimh/wlw.shtml>> on the cobweb. Really interesting stuff!
- CBC has announced that starting this fall, the names of the two English radio networks will change. The mostly AM CBC 'Radio' network will become CBC Radio One, while the FM CBC 'Stereo' network will be known as CBC Radio Two. CBC reportedly stated that many listeners did not identify with the 'Stereo' network name, and the 'Radio' network has had a number of low power AM transmitters replaced over the years with mono FM translators, further adding to the confusion. CBC hopes the new names will strengthen the networks image amongst listeners and is modeled after the BBC radio service. (CBD) Concerning this, Shawn says: "Well, nothing like a name change to confuse DXers. The two new IDs do not become official until September 1, but they are using them now on and off to get we CBC die-hards used to the new names. Quite a good idea as they try to avoid FM and AM networks that are no longer just on one band or the other. (Toronto, Montreal, and Quebec City) all have been given CRTC approval to move to FM from AM. That will free up two Canadian clears! Should be nice for the AM DXers out East. Start counting your new ones ladies and gents!!!" ... and, after counting a few million kilowatts down at the hydro plant, he also babbles: "Well, let the games begin! Three new ones in a weekend. My first new ones since May when CBW was nice enough to go off for about 90 minutes. Hopefully, this will be a great season as it sure has started off very nicely."
- We finally have some "meat" on the 710/810 switcheroo in Kansas City. But still nothing in the FCC dailies. Remember about three years ago when KWFT-620 moved from Wichita Falls, Texas to Plano and became KAAM (which used to be the calls on 1310 in Dallas? Then KNIN-990 changed their calls to KWFT? Now, stay with me on this. Well ... now the "new KWFT" wants to pull up their ground radials and move to Farmersville, Texas (northeast of Dallas). If done, that would leave Wichita Falls with one AM station (1290). What is going on here?? If I were a resident of that city of 100,000+ I'd be outraged!! But then, maybe they don't care. And a station wants to move from Louisiana to Houston. Give me a buzz cut, color it white and shout "Stop the Insanity!!!" See 900 and 990 in "Special".
- Wow! Another DX season is passing into history. It was a great one here at DDXD-West, with some very nice loggings and informative tips from most corners of our coverage area. My thanks to all who participated, especially those who made a phone call or special trip to a station to collect that little bit of news which otherwise might not get to our readers. That extra effort is, truly, appreciated. Now, a challenge to everyone ... send in at least one report this coming season. Just to say "hi" or let us know you read and find this column (and DDXD-East, too) informative.

#### REPORTERS

- |        |                |                 |                                                                                                                                 |
|--------|----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------|
| BK-CA  | Bob Karchevski | Sunnyvale       | <karchev@nortel.ca>                                                                                                             |
| JJR-WI | John J. Rieger | South Milwaukee | FRG 100, KIWA loop, MFJ959B preamp<br><winner98@webtv.net>                                                                      |
| SA-MB  | Shawn Axelrod  | Winnipeg        | ICOM R-70 w/filter mods and PLAM board, Drake R8, 4' box unamplified loop / Quantum Loop, 145 Foot long wire / 100' indoor wire |

<saxelrod@mb.sympatico.ca>  
**JEL-MO** Jeff Lewis Kansas City Sony ICF-7600G, Select-A-Tenna  
**TRH-CA** Tim Hall Chula Vista ICF-2010, KIWA Loop <halls@ineworld.net>  
**JB-TX** Jim Boehm San Antonio ICF-2010, Radio West Loop, 75' end-fed wire  
**WH-CO** Wayne Heinen mobile on I-70 in with 1989 Subaru car radio <nrclog@aol.com>  
**CBD** Canadian Broadcast Directory  
**INet** Internet Resources (reliable most of the time)  
**Ed.-TX** Editor North Richland Hills Delco AM\$/FM\$ caradio on SR 183 in Euless, TX; or just listening on the -2010

### SPECIAL

610 KSVV CO Vail - Silent since July, will return by 9/15 with an all-talk format. Per Susie, NOUWI on the 146.10 repeater, who is a Pilgrim BC Co. employee. (WH-CO)  
 710 KTZN CA Los Angeles - "... is the latest station to join Radio Disney - aka *The Zone* - and drops its female-oriented talk format. The station is owned by Disney-owned ABC Radio. It was expected that ABC Radio would begin to program Radio Disney on some of its owned stations, such as WPZE-AM Boston after their purchase of the station was completed in September. And ABC said it also acquired KKDZ-AM Seattle, already carrying the format. KMPC had been floating from format to format ever since Cap Cities/ABC bought it. (Radio Disney might give Radio AAHZ a good run for its money, though, since AAHZ operates over two rather low-powered stations [in the Los Angeles area] on 830 (Santa Ana) and 850 (Thousand Oaks)." (INet)  
**WHB MO** Kansas City - To exchange ownership/format with KCMO-810, thus becoming news/talk. As per phone call to engineer, will retain U4 10000/5000, with day pattern propeller blade north (010 degrees) and south (185 degrees) and night pattern narrower at 000 and 190. Target date for change is mid-September to mid-October. Also see 810. (JEL-MO)  
**810 KCMO MO** Kansas City - To exchange ownership/format with WHB-710, thus becoming *The Farm*, with C&W music (with some SS on Saturday nights). As per phone call to engineer, they will retain U2 50000/5000 with night pattern a narrow lobe NNW (at 340 degrees) and smaller south lobe at 175 degrees. Target date for change is mid-September to mid-October. Also see 710. (JEL-MO)  
**900 KREH LA** Oakdale - 8/29 - Has applied to move to Pecan Grove, Texas (suburban Houston), a distance of 222 miles, with U4 2500/10. [Ed.-TX]  
**930 WAUR IL** Sandwich - According to the Chicago Sun-Times, Children's Broadcasting Co. (Radio Aahs) agreed to sell WAUR to Galaxy Broadcasting, thus ending the relay of Radio Aahs in the Chicago area. (CR-IL)  
**950 WEJM IL** Chicago - 8/28 - Northbrook, IL based One on One Sports acquired WEJM from Douglas Broadcasting for a reportedly \$10 Million. The new owners immediately replaced the Hip-Hop format with their nationally syndicated One on One Sports format. It was reported in the Chicago Sun-Times that they will be changing the call letters, but as of 9/2 they still used WEJM as ID. Earlier this year Douglas Broadcasting acquired WEJM from Evergreen Media, and planned to turn the station in brokered ethnic/foreign language station using the call letters WDBI, but this plan is now history. (CR-IL) [I heard the 1-0n-1 announcer talking about "now being on in Chicago" on the morning of 8/31, but he failed to mention which station. I thought maybe WSCR, but this clears up that question - Ed.]  
**990 KWFT TX** Wichita Falls - Has applied to move to Farmersville, Texas, a distance of 143 miles, with U4 2700/360. [Ed.-TX]  
**CBW MB** Winnipeg - 08/25 1825 - Finished up the *World at Six* and then did a rundown of programs coming up on CBC *Radio One* and *Radio Two*. These are the new names for the CBC English networks. Radio One will be for the most part the old AM network (except in places like Toronto, Montreal and Quebec City, where they are going from AM to FM). Radio Two will be the old CBC Stereo network. As of September 1, *Radio One* and *Radio Two* will be the new IDs. (SA-MB)  
**1050 (KPAY) CA** Chico - "Some time Monday (8/4/97), KPAY turned off their 1060 transmitter for the last time. KPAY now broadcasts on 1290 only. It is my understanding that the license will be (or has been) returned to the FCC. 1060 served the Sacramento Valley from Chico for fifty years, beginning as KXOC



in 1947. This move clears the way for the much anticipated redesign of KOFY's coverage area." This reference is to KTCT (ex-KOFY) -1050 and comes from for the ba.broadcast newsgroup. (BK-CA)  
**1160 WBOB KY** Florence - 8/31 0645 - Fair-to-good signal, with ad for Bengals football and other sports talk. IDs as AM 11-60 Bob. New call; ex: WKYN. NEW. (SA-MB)  
**1210 WSKR LA** Denham Springs - 8/11 - Changed to these CLs and sports format from WBIU and Christian country. (INet)  
**1220 KZEE TX** Weatherford - 8/15 - Slogan is now *America's Flashback KZ1220* and format is oldies/old C&W. [Ed.-TX]  
**1240 WSBC IL** Chicago - 6/12 - Owners of WSBC purchased WEDC, thus ending for the long 3-way sharing arrangement on this frequency. Last year they purchased WCRW. WSBC eventually plans to move to for the former WEDC studios on Milwaukee Avenue after remodelling. Since June 12, 1997, WSBC is on for the air only between 6 AM - Midnight, thus giving for the Chicago area DXers a chance to hear some new stations on this frequency . . . where there were rarely any silent periods in for the past. They plan to go back to 24-hour format after they move to the remodeled studios sometime in for the fall. (CR-IL)  
**1240 KPBL TX** Hemphill - 8/20 - Now using these CLs; ex:KAWS. (INet)  
**1370 KJCE TX** Rollingwood - Slogan is now *K-Juice 1370*. Programming ABC's "For the Touch" satellite feed. [Ed.-TX]  
**1430 KMRC LA** Morgan City - 8/1 - Changed from sports to gospel. (INet)  
**1450 KDMN CO** Buena Vista - Silent since July, will return by 9/15 with an all talk format // KSVV-610. Per Susie [see 610 - Ed.]. (WH-CO)  
**1520 KOLM MN** Rochester - 8/19 0120 - Fair signals mixing with KOMA. With oldies music, so it looks like for the 800 watt night power AP/CP is now on. Heard again 8/21 again with *Good Time Oldies* program. (SA-MB)  
**KYND TX** Cypress - Slogan is now *Radio Kafe 1520* to go along with their Tejano format. [Ed.-TX]  
**1550 KYCY CA** San Francisco - 9/01 0730 - Poor-to-fair signal, with KRGO. Now country music and IDs as 96.3 KYCY *Young Country*. Ex:KPIX. NEW. (SA-MB)  
**KRGO UT** West Valley City - 9/01 0743 - Fair signal, on top of KYCY, with EZL or Adult standards. Full ID as *KRGO West Valley City*. Ex:KRGQ. NEW. (SA-MB)  
**1560 KTXZ TX** West Lake Hills - 8/20 - Changed format to All-Tejano. Four-to-five selections heard back-to-back, then *Classic Tejano 1560* slogan in EE only. Replaces slogan *K-Tejas*. Top-of-hour ID *KTXZ West Lake Hills-Austin* in EE only. No talk programs nor news breaks noticed. Occasional announcement (in EE only) each hour *KTXZ, a proud member of for the KELG-KKLB family*. New ownership?? (JB-TX) [They were bought out about a year ago - Ed.]  
**1600 WCGO IL** Chicago Heights - Per Chicago Radio Online Watch, WCGO switched from talk format to MOR/Nostalgia format with *Unforgettable 1600* slogans. This station was reported as silent in AM Switch (No. 29). I am unable to confirm any of this. (CR-IL)  
**1610 C\_\_\_ ON** Scarborough - "BAF Audio Visual Inc has received approval for their new AM radio station in Toronto. Operating on 1610 kHz with 99 watts, for the new stations programming will consist of 30-40 hours a week of live play-by-play community amateur sports events using a transportable studio system. For the station will be a 'low-power unprotected AM service' and accordingly will have to select another frequency for operation if another station is ever licenced for 1610." (CBD)

### UNIDs and UNID HELP

**1240 UNID ??** - 7/26 0635 - Briefly heard with *Number One for news and talk, Radio 12-40, WIEC* slogan. Not sure about for the calls. (CR-IL)

### TIS & OTHER STUFF

**530 WPJR991 CO** Bakerville Exit - Continuous tape with individual location, expected road conditions and *For the Heat is On* anti-DUI promos. (WH-CO)  
**WPJR991 CO** Dumont Exit - Continuous tape giving individual location, expected road conditions and *For the Heat is On* anti-DUI promos. (WH-CO)  
**WPJR991 CO** Summit Vail Pass - Continuous tape giving individual location, expected road conditions and *For the Heat is On* anti-DUI promos. (WH-CO)

- 890 KP890 CA San Diego (Cabrillo National Monument) - New station came on for the air 8/9. 2-1/2 minute tape loop, female announcer. Elevated coastal site, gets out very well. Appears to be NSP. (TRH-CA)  
 1620 TX Galveston - 8/8 0725 - Gulf coast and Galveston weather. (JR-OK)  
 1670 UNID ?? - Weak signal with ID *Information Radio*. (JR-OK)

### MIDNIGHT TO 0800 HOURS ELT

- 790 KXXX KS Colby - 9/1 0724 - Ads for Colby area with call ID *K-Triple X*. Faded quickly. New here. (JR-OK)  
 940 KSWM MO Aurora - 8/25 0736 - Farm news with call ID. Last heard here in 1995. (JR-OK)  
 1060 KBNB TX Gilmer - 8/30 0733 - IDs as CNN 1060 AM with CNN News. New here. (JR-OK)  
 1220 KQMG IA Independence - 8/18 0655 - In fair, prior to fadeout, with Top 40 music, CDT time check by male announcer and *For the All New Q 95.3* slogan. Called them expecting to get a 19 year old jock, but was pleasantly surprised when I got an answering machine: "Thank you for calling for the All New Q95.3 and AM 1220 . . . if you have a request call us at 1-800-247-HITS!" This was NO DOUBT what I heard, and a NEW station for me (#2113) and not (an un-counted) call change. One which I conveniently forgot on my Most Wanted List! (JJR-WJ)  
 1290 KUOA AR Siloam Springs - 8/27 0736 - Sports news, ads for Siloam Springs and school lunch menus. New here. (JR-OK)  
 1310 KIVA NM Corrales - 8/27 0729 - Call ID with NOS music. New here. (JR-OK)  
 1390 WRTK OH Youngstown - 8/21 0600 - In good, with end of *America in for the Morning*, national ad, full ID, and local news. Slogan: *Real Talk*. Best I've ever heard this rare one! Ex: WMFJ, WHOT. WGCI super weak in null. (JJR-WJ)  
 1410 KNAL TX Victoria - 8/15 0738 - Very poor, with NOS (*Drifters* tune), 1410 KNAL ID, chatter by WW1's *Jeff Rollins* and down into LSR mud. Resurfaced a couple of minutes later, then gone for good. [Ed.-TX]  
 1440 KMLB LA Monroe - 8/26 0721-0730 - With state news, sports weather. At 0730 KMLB *News Radio continues with entertainment news*. A slightly increased signal at 0730 power-up and pattern change. (JB-TX)  
 1460 KBRZ TX Freeport - 8/30 0700 - KBRZ 1460 at :00. Fair signal strength for low power. KTK sports pest not heard; C&W top signal this AM. (JB-TX)  
 1470 KBSN WA Moses Lake - 9/01 0750 - Fair signals, with local ads and several K5BN IDs. They must have changed s/on time as no longer coming on at 0800 as per LOG. (SA-MB)  
 1490 KIBL TX Beeville - 8/21 0757 - *Radio Christiana* programming in and out from 0740. Multi-station ID at 0757. Kept for the ICF-2010 tuned to KVOZ entire time to verify programming and ID. First time both stations heard with intelligible signals. New. (JB-TX)  
 1540 KPAD TX University Park - 8/30 0740 - With offer of *Latest personal achievement report*, call 1-888-4344 followed by ID as *Personal Achievement Radio K-Pad 1540*. First opportunity for a positive ID on this frequency since 10/28/92, as nearby pest KEDA was experiencing transmitter problems. (JB-TX)  
 1590 KGAS TX Carthage - 9/1 0708-0721 - Both pests XEVOZ and KYOK were weak with deep fades, allowing KGAS to be heard with SSB, KGAS is on for the air, I'm Ken \_\_\_\_\_. I'll be back with more (long pause), then promo for Panola County Sheriff's Department and ad for a Ford dealer in Marshall, Texas. Then KGAS AM and FM in Carthage, Texas begins its broadcasting day on 1590 AM and 104.3 FM and is authorized by for the FCC in Washington. KGAS is licensed to Walter J. Endleman and Jerry T. Endleman to broadcast with 2500 watts of daytime transmitting power on AM and 100,000 watts 24 hours-a-day on KGAS-FM, then C&W with strong (2500 watt?) signal. Log shows U1 2500/128 with no PSRA. Perhaps FM operation is new, or just got caught taking a nap, hi. (JB-TX) [For the medium Wave Viewer indicates their "daytime" is from 0700-1915 local, so they should have been on 128 watts at this time. Sounds like another case of 'conveniently hitting for the switch too soon' - Ed.]

KCZE-FM 95.1  
 KCXA-FM 95.9  
 KCNA-AM 1580  
 KCZY-FM 103.7  
 KGZO-FM 102.3



515-394-1000  
 515-228-1000  
 515-732-5591  
 319-547-3366  
 319-547-1000

### 0800 TO 1600 HOURS ELT

ZILCHI!!

### 1600 TO 2400 HOURS ELT

- 1060 KTOZ MO Springfield - 8/30 2124 - NOS music with call ID. Faded after 2126. New here. (JR-OK)  
 1180 WJNT MS Pearl - 8/5 2130 - *Bruce Williams* financial talk with call ID and CNN News. (JR-OK)  
 1190 KKYN TX Plainview - 8/5 2150 - *Texas Rangers* baseball game and ads for Plainview area. New here. (JR-OK)  
 1340 KXPO ND Grafton - 9/07- 1930 - On with Spanish-language programming. Included music from traditional to a type of rap, all in Spanish. Even the ads were in Spanish. Then into *Twins* baseball in English. Most unusual for North Dakota. (SA-MB)  
 1510 KDKO CO Littleton - 8/6 2130 - UC music, call ID. Briefly heard during fade-up. New here. (JR-OK)  
 1590 KPRT MO Kansas City - 8/9 2113 - Call ID, gospel talk. Last heard in 1995. (JR-OK)

### GRAVEYARD DX UPDATE

\* indicates North American record-holder

#### 1230 kHz:

WENY NY Elmira Bill Dvorak Madison, WI 644

#### 1490 kHz:

KIBL TX Beeville Jim Boehm San Antonio 88



192 MALONEY RD.  
 ELKTON, MD 21821

AM 1550

### DDXD-East

Next deadline: Weekly on Tuesdays.

Welcome to new contributor *Jim Dionne*, who has exhausted the ham bands as K1MEM and is now returning to BCB DX ... thanks for the notes and hope to hear more soon!

### STATION NEWS

- 550 WTLI NC Statesville - 9/1 - Adds "Michael Reagan Show" per show, part of what Reagan calls WTLT-1480's "Total Radio Network," ex-WIST. (DP\*CA)  
 570 WLLE NC Raleigh - 8/23 1030 - Noted OFF through at least 1900 today, leaving WWNC dominating. (JN-NC)  
 WRDT NC Raleigh - 9/7 1900 - Former WLLE heard with "Focus on the Family" satellite stuff, USA Radio News, and top-of-hour ID "Quality Christian radio for Raleigh, Durham, Chapel Hill, and parts in between, WRDT Raleigh." Really sad to see down-home R&B WLLE replaced by this. (JN-NC)  
 640 WWJZ NJ Mount Holly - 9/1 0800 - Now with USA Radio News on the hour, ex-AP News. (JH- NJ)  
 670 WVNS VA Claremont - 8/22 1950 - Sports and financial news, weather forecast, ID as "All news 670," ad for hotel in Richmond. (WM-MD) [New station now seems to be running regular schedule. - DY]  
 850 WEEI MA Boston - Were painting the three towers in July, and were running 10 kW ND temporarily ... thus the logs of PT-NJ and others. (JD-MA)  
 920 CJCH NS Halifax - 8/25 - Adds "Coast to Coast with Art Bell" per show today, part of the show's "Canadian invasion." (DP\*CA)  
 960 WFIR VA Roanoke - 9/1 - Adds "Michael Reagan Show" per show. (DP\*CA)  
 980 WWRC DC Washington - Adds "Coast to Coast with Art Bell" per show 9/2; ex WZHF-1390. (DP\*CA)  
 990 CKGM PQ Montreal - 8/25 - Adds "Coast to Coast with Art Bell" per show today. (DP\*CA)  
 1100 WTAM OH Cleveland - 8/12 2000-2400 - Morton Downey, Jr. Show is now here weeknights! (JK-VA)  
 1120 WADN MA Concord - From 4 miles away and to the side of their pattern it is obvious they are "forgetting" their power/pattern cut. (JD-MA)  
 1150 WAVO SC Rock Hill - 9/1 - Adds "Michael Reagan Show" per show, part of the WTLT-1480 network. (DP\*CA)  
 1160 WOBM NJ Lakewood Township - 9/1 0700 - Now with AP news on the hour. (JH-NJ)  
 1290 CJBK ON London - 8/25 - Adds "Coast to Coast with Art Bell" per show today. (DP\*CA)

- 1310 WVIP NY Mount Kisco - 9/10 - One of the pager notification networks (Fire Page NJ) is reporting that this station was destroyed by fire at 0130 today. (PMG-CO) [Got your e-mail this evening as I'm typing, Patrick, and as they sign off at 2100 I can't verify that they're indeed off the air ... but I'll keep y'all posted. - DY]
- 1390 WEGM ME Presque Isle - QSL from Allan H. Weiner, G.M., for 3/28 logging gives address as 3 State St. Place, Presque Isle ME 04769. (JD-MA) [Thanks to Wayne Heinen for also sending this address, which he notes will be found, with many other address updates, in the 18th edition of the NRC Log, available October 1! - DY]
- 1480 WTLT NC Charlotte - 9/1 - Adds "Michael Reagan Show" per show, ex-WNMX. (DP\*CA)

## UNID and UNID HELP

- 850 WREF CT Ridgefield - 8/7 0620 - My unID with slogan "The New Oldies 850" is this one, ads with 203 area code, mentions of Milford and Danbury. (SK-PA)
- 940 WKYK NC Burnsville - This must be my K-94; heard again 8/16 2150 with "Super Country, K-94" IDs but no calls. (JK-VA)
- 1240 UNID - - - - 8/9 2222 - "Now, breaking news with CNN Headline News, on W?KM, news, talk, sports," into ESPN program, faded back into the pack. Tape is clear that it isn't WATN or WVKZ. (DY-NY)
- 1530 UNID - - - - 8/1 2000-2304 - In most nights with C&W under, over WSAI until WSAI switches pattern at 2304 (KFBK sunset). Sounds like "WVFC" or "WFIC," shouted out by female voice. (JK-VA)

## LOGGINGS: 0000-0800

- 680 WINR NY Binghamton - 8/11 0000-0100 - Oldies from satellite, somewhere between OLD and NOS. Mostly atop, with deep and rapid fades, mixing with WRKO, WCBM. (SK-PA)
- 740 KRMG OK Tulsa - 8/13 0605 - Weather forecast, ID. (WM-MD)
- 870 WFLO VA Farmville - 8/12 0635 - Promo for contest, ID. (WM-MD)
- 1360 WKOP NY Birmingham - 8/30 0620 - Brief upsurge for two minutes with ad cluster, IDs, and promo for both "MYL" format and occasional ethnic programs. (AR-ON)
- 1440 WAJR WV Morgantown - 8/1 0200 - Behind station with strong OC, heard "WAJR, where news comes first every hour," again 8/5 with C&W music. (SK-PA)
- 1480 WTOY VA Salem - 8/25 0600 - Sign-on, ID. (WM-MD)
- 1580 WRDD PA Ebensburg - 8/8 0135 - "Send public service announcements to WNCC, WRDD." From very clear to very fuzzy. Format change to AC, 60's to 90's music (which would go for WNCC-950 too). Heard every night since 8/3 but only IDed now. 150 miles with 4 watts. (SK-PA)
- 1600 WBFJ PA Bedford - 8/25 0045-0100 - Gospel songs, multiple IDs, USA Radio News at 0100 only, fair to good. Seemed too strong for 28 watts, no sign of WWRL. (JH-NJ)

## LOGGINGS: 0800-1600

- 1220 WJUN PA Mexico - 8/10 1250-130 - Now with Southern gospel, USA news, ex-Top 40, poor. First time at midday. (SK-PA)
- 1310 WCGR NY Canandaigua - 8/30 1115-1130 - Fair-poor in daytime, overcoming CJMR-1320 slop with medley of oldies, ABC news at 1130, ID as "WCGR 1310 24 hours a day, 1550 from sunrise to sunset." (MB-ON)
- 1510 WNNN NJ Salem - 8/30 1300 - ID "And now another 30 minutes of the best contemporary Christian music on AM 1510 WNNN." Ex-WJIC. (MS\*DE)

## LOGGINGS: 1600-2400

- 550 WGR NY Buffalo - 8/29 2130 - ID, spot for Seneca bingo, into baseball. (MS\*DE)
- 570 WTEM MD Bethesda - 8/23 2300 - Solicitation for ad salespeople, "Must have six months' experience," ESPN net feed, "Sports-Talk 570" non-IDs. Good in WLE absence. (JN-NC)
- 640 WGOE TN Blountville - 9/8 2214 - Song "Tell It Like It Is," "WGOE, Top Gun Country" ID and local DJ playing "country music by request." Expected Cuba here. (JN-NC)
- 690 WOKV FL Jacksonville - 8/6 2026 - A rare visitor in again, not real strong but in the clear with station promo, ID, and back to Gil Gross show. (PT-NJ)
- 790 WLKW RI Providence - 8/8 2200-2208 - New England Patriots exhibition football vs.

- Dallas, ID 2208 "The home of the Patriots, WLKW." Poor to fair with lots of CKLW-800 slop. (SK-PA)
- WNIS VA Norfolk - 8/9 1942 - Presumed with Tidewater Tides baseball, to strong peaks over WAEB. (DY-NY)
- 850 WEEI MA Boston - 7/31 2251 - A surprise in KOA, WRMR null with IDs and Boston Red Sox baseball. New on this frequency; used to be a regular under WOW on old channel of 590. (JK-VA)
- WEEU PA Reading - 8/9 1945 - Auto racing, "Your sports leader, WEEU" ID, under presumed WREF with "New Oldies 850" slogans. (DY-NY)
- CKVL PQ Verdun - 8/22 2300 - WEEI no longer dominating in the evenings, but now this one is blasting in like a local the last few nights, all in FF. (PT-NJ) [Here too. This one and CHLT-630 are suddenly back to their old selves again. - DY]
- 860 WAMO PA Pittsburgh - 8/7 2009-2015 - Clear signal, "Jams 860 WAMO with the top 8 at 8," first time heard outside western PA. Power cut 2015. (SK-PA)
- 910 WRKL NY New City - 8/4 2005 - Popped in mixing with WRNL, "following the news here on AM 910 WRKL." (PT-NJ)
- WRKL NY New City - 8/7 2019-2100 - "Rockland County's news and information leader, WRKL," return to Tom Lykis show, strong and steady with UC station ("Jams 910") in background. 2044 "We're serving Rockland County 24 hours a day" and power cut for UC station; WRKL power cut at 2100. (SK-PA)
- WNHV VT White River Junction - 8/8 2100-2115 - Poor with NOS music, gone 2115, WRKL still present in background. (SK-PA)
- WRNL VA Richmond - 8/4 2001 - ID during break in baseball game, "Your home for Richmond Braves baseball all throughout the 1997 season right here on sports radio AM 910, WRNL Richmond." Good with some QRM. (PT-NJ)
- 920 WIRD NY Lake Placid - 8/22 2226 - AC music with ID "This is 102.3 WRGR and 105.5 WLTW" and non-ID "You're listening to the best air in the Adirondacks, Radio Lake Placid." Atop frequency, must have forgot to cut from 5 kW to 87 watts. (PT-NJ) [Wouldn't be the first time. - DY]
- 1080 WKJK KY Louisville - 8/25 2138 - Sports results and spots with mention of "Jumbo Sports, with two locations in Louisville" and Papa John's Pizza. Non-ID's as "KJ 1080" and "Redbirds Radio KJ 1080." Very good in WTIC phase null. (PT-NJ)
- WOAP MI Owosso - 8/22 2033 - NOS music, "If I Give My Heart to You," followed by female announcer, "... here on AM 1080 WOAP," another ID 2038 followed by "Mona Lisa". Fair at times with, under WTIC. (PT-NJ)
- 1090 WKTE NC King - 8/25 2038 - Trying to ID C&W music under WBAL when "WKTE King" suddenly popped out of nowhere. Still unID on the C&W but heard often. (PT-NJ)
- 1110 CKTY ON Sarnia - 8/23 2305 - Wiping out Art Bell on WBT with C&W, CKTY IDs. Consistently stays on day power/pattern, or DA is messed up somehow. (JK-VA)
- 1120 WHTT NY Buffalo - 8/9 2005 - Christian music, WHTT ID, "nothing but music that ministers to your spirit, praise God." Normally heard with FM IDs only; perhaps separate on weekends. (DY-NY)
- 1140 WRLV KY Salyersville - 8/9 2355-2400 - Testing, running repeated tape "This is WRLV, AM 1140 Salyersville, Kentucky ...," couldn't make out rest due to WRVA and another C&W station. Gone at 2400. (SK-PA)
- 1150 WROR MA Boston - 8/9 2338-2344 - Heard AOR music and 107.3 WAAF (an obvious format change), didn't wait for top of hour to hear AM calls. QRM from CKOC, WRVA-1140 slop. (SK-PA)
- 1200 WBZY PA New Castle - 8/26 1915 - Poor, in and out with OLD (Supreme, Temptations) music, ID as "Great oldies WBZY." New. (MB-IN)
- WOAI TX San Antonio - 8/5 2300 - "... only on the sports center for the Great Southwest, WOAI San Antonio." Weak during dead air on WAGE, not heard here for a while. (PT-NJ)
- 1220 WKBK NH Keene - 8/8 2128 - Play-by-play of New England Patriots exhibition football vs. Dallas, ID "WBCN Boston ... Radio Network" and at 2140 ID "WKBK sports information, one step ahead." Quite good at times in WKNR null. (PT-NJ)
- WRIB RI Providence - 8/9 1938 - Ad in SS for auto repair shop in Providence, fair under WQUN. (DY-NY)
- WFAX VA Falls Church - 7/31 2030 - Sign-off at this time. Listed in Log as U1 with 48 watts, but apparently operating as a daytimer. (PT-NJ)

- 1230 WEEX PA Easton - 8/11 1925-1945 - Atop with C&W, ID 1945 "Real Country, 1230 WEEX." (SK-PA)
- 1240 WCNC NC Elizabeth City - 8/13 1935 - Atop mess with weather, "You're listening to WCNC Elizabeth City." New. (JK-VA)
- 1250 WMTR NJ Morristown - 8/2 1843 - "AM 1250 WMTR" into NOS music, clear dropping in and out without fading, odd signal. (SK-PA)
- WOFR OH Washington Court House - 8/2 1843 - Call letters only by female before zapped by WMTR. (SK-PA)
- 1270 WTSN NH Dover - 8/1 2020-2030 - Red Sox vs. Kansas City baseball, mostly behind but briefly atop WCBC, which was doing a live concert broadcast. Caught sign-off 8/8, giving operating hours of 0445-0008. (SK-PA)
- WUCO OH Marysville - 8/4 2225 - Wrapping up Cleveland vs. Detroit baseball, flip-flopping with WCBC, WTSN. (SK-PA)
- 1380 WNRI RI Woonsocket - 8/9 2306 - Coming out of weather, "Thanks to our friends in Rhode Island for listening to 1380 WNRI..." into NOS music, very poor. In mix with WKDV, several others. (SK-PA)
- 1390 WEOK NY Poughkeepsie - 8/2 1920-1925 - Fair, Bruce Williams show drifting in and out, mention of the Hudson Valley, "Radar weather from the news and weather station, AM 1390 WEOK." Into Santo and Johnny's "Sleepwalk." This used to be called rock'n'roll, now it gets played on a NOS station. (SK-PA) [Ah, aging, hi. - DY]
- WEOK NY Poughkeepsie - 8/31 1853 - Loud with ID: "Your news and weather station, WEOK," song "I Can't Stop Loving You" followed by slogan "The big entertainer, WEOK." Into M\*A\*S\*H theme. (MS\*DE)
- WDCW NY Syracuse - 8/31 1903 - Fading up with legal ID and religious program. (MS\*DE)
- 1400 WHMP MA Northampton - 8/9 2200 - Mixing with Orioles game on unneeded WINC and a NOS station, ID 2332 "Mondays at 6:05 p.m. on 1400 WHMP." (SK-PA)
- WINC VA Winchester - 8/1 2333 - Up with "You're listening to Baltimore Orioles baseball on AM-1400, WINC Winchester." New. (JK-VA)
- 1420 WLNA NY Peekskill - 8/9 1900 - "Enjoy Hudson Valley Renegades baseball on your local news authority, 1420 WLNA," alone on the channel and clear. (SK-PA)
- 1510 WNLC CT New London - 8/8 2100 - End of Dionne Warwick's "Anyone Who Has a Heart," ID "This is the station ... wonderful memories, 1510 WNLC New London." Poor, mixing with WNRB, WLAC. What a strange DA they have! (PT-NJ)
- 1520 WKPP TN Elizabethtown - 8/18 2047 - Heard faintly in WWKB phase null, "WKPP Elizabethtown, WKPP AM 1520." Other talk followed over the next half hour, mostly unreadable, but no NOS as in Log. Also listed as daytimer, poor in KB splatter. (PT-NJ)
- 1540 WSIV NY East Syracuse - 8/9 2017 - ID during sign-off routine, mention 1,000 watts, "until tomorrow, may God bless you," fair-poor under WDCD. (DY-NY)
- WTXY NC Whiteville - 8/24 2000 - End of talk show, ID, sign-off, SSB, mention of Route 130. (WM-MD)
- 1550 WKBA VA Vinton - 8/245 1950 - Gospel music, ID. (WM-MD)
- 1570 WYTI VA Rocky Mount - 8/22 2000 - C&W music followed by ID "We're the top banana in the bunch, the station with appeal, WYTI Rocky Mount, Virginia," into USA News. In and out but good at times. (PT-NJ)
- 1580 WDMF TN Knoxville - 8/23 2030 - With UC/GOS, then sign-off. New. (JK-VA)
- 1660 WJDM NJ Elizabeth - 8/15 2232 - With that 1-2 second echo effect again. Two transmitters on simultaneously, or a propagation effect? (JK-VA)

TIS AND MISCELLANEOUS

- 530 HAR DE Wilmington - 8/29 1635 - Delaware Port Authority station with IDs as WPGS842 and mentions of construction on Walt Whitman Bridge. (MS\*DE)
- HAR DE Wilmington - 8/28 - WNRZ656, same message as 1610 but weaker signal at Delaware Memorial Bridge, message concerning highway construction at I-95 Exit 4, mention Delaware Department of Transportation Operations Center. (MW\*DE)
- HAR DE Wilmington - 8/30 1330 - Delaware Department of Transportation with loop advisory message regarding I-95 bridge construction, WNRE656. (MS\*DE)
- TIS FL Sanibel Island - 8/27 0940 - Back on, clear and weak and making it for the first time into Pinella County. Calls KIE663. Long, alternating cycle of male, female interpretative talk, referencing mangroves, manatis, don't feed the alligators, etc., a few bars of music at the end. (TLK-FL)

- TIS NJ New Brunswick - 8/28 - Rutgers University, heard on NJ Turnpike near Exit 9. Good signal, giving day, date, weather report, student info, parking, "Campus info radio, right info, right time." Gave two telephone numbers: 932-7747, 932-INFO. Updated on 9/1 on the drive back from the NRC Convention with new info regarding the opening of new school term and mention of "Campus Information Services." (MW\*NJ)
- TIS NJ Newark - 8/28 - Newark Airport, female voice giving parking and passenger pickup info. Heard on New Jersey Turnpike, very strong. (MW\*NJ)
- 1100 TIS FL Daytona Beach Shores - 8/10 - "Shores Information Radio" noted strong mid-morning on I-95, heading north past the Ormond Beach exit at mid-morning. Big signal, male loop, tones, promoting the city and sponsors. Especially liked the segment about how their law enforcement staff are tri-trained in policing, firefighting, and EMS work. That would make me feel REAL safe if I lived there. (TLK-FL)
- 1390 TIS DE Wilmington - 8/29 1700 - Noted KDP386 with constant extended NOAA weather forecasts. Has signs along I-95. (MS\*DE)
- 1610 HAR DE Wilmington - 8/28 - Heard at the toll plaza on the Delaware side of the bridge, Delaware Department of Transportation Travelers Advisory Radio System. // 530. (MW\*DE)
- HAR DE Wilmington - 8/30 1320 - WNZP450, "This is the Delaware Department of Transportation Travelers Advisory Radio System." Construction advisory message for work on I-95 bridge. (MS\*DE)
- TIS FL Anastasia Island State Recreation Area - 8/10 2115+ - Strong while staying in St. Augustine, but very overmodulated audio, female brief cycle, still IDing with partial "WPAC" call. (TLK-FL)
- HAR NJ Delaware Memorial Bridge - 8/28 - At southern end of NJ Turnpike, located northbound at John Fenwick Service Center, calls WPEI435. (MW\*NJ)
- HAR NJ Elizabeth - 8/28 - NJ Turnpike station near Exit 13. (MW\*NJ)
- TIS PA Philadelphia - 8/29 1640 - Philadelphia Airport info, WPCD802, typical recorded announcements. (MS\*DE)
- HAR RI Providence - 8/27 1832 - New HAR statewide network is on air and testing, male loop with construction warnings about I-195 in East Providence. Announces that regular format will be traffic and weather info. Followed by female time/date check, announced calls as WGY318. (DG-RI)
- 1630 TIS NY New York - 8/7 0129-0133 - JFK Airport, mentioned that August 7 was a "Gridlock Alert Day" in midtown Manhattan because of Garth Brooks concert in Central Park. Very good signals. (BMA-PA)
- UNID - - - - 8/25 0135 - Female announcer saying "928 Chicarmay" for one minute then "929 Chicarmay" for another minute and so forth. Looped NE/SW, fair to poor. Heard every evemomg somce then. Possibly the same station reported in last issue? (MB-IN)
- 1700a Pirate - - - - 8/15 2235 - Teenager's voice(?), heavy metal music mixing with the beacons, mentions of "Pirate Radio," poor/fair. Don't have good calibration so frequency is approximate. (JK-VA)

REPORTERS

- |        |                   |                                                      |
|--------|-------------------|------------------------------------------------------|
| BMA-PA | Brandon M. Artman | West Chester PA -                                    |
| MB-ON  | Mike Brooker      | Toronto ON - Panasonic RFB-45                        |
| MB-IN  | Mark Burns        | Terre Haute IN - R8, 80' LW, Kiwa loop               |
| DG-RI  | David Gardiner    | Providence RI - Local news                           |
| PMG-CO | Patrick Griffin   | Federal Heights CO - Station news (N0NNK)            |
| JH-NJ  | John Hanz         | Old Bridge NJ - NRD-525, Superadio II, random wire   |
| SK-PA  | Steve Kennedy     | Coal Township PA -                                   |
| JK-VA  | Jeff Kitze        | Jarratt VA - Panasonic RQ-V60 barefoot               |
| TLK-FL | Terry Krueger     | Clearwater FL - TIS news                             |
| WM-MD  | William McGuire   | Cheverly MD - DX-380                                 |
| JN-NC  | Jay Novello       | Wake Forest NC - R8A, various wires                  |
| DP*CA  | Dale Park         | Temporarily in LA - Station news                     |
| AR-ON  | Andy Rugg         | Cornwall ON - Car radio                              |
| MS*DE  | Mike Sanburn      | NRC Convention New Castle DE                         |
| PT-NJ  | Paul Thomas       | Salem NJ - R8A, MWDX-1, phased wires, other antennas |
| MW*var | Martin Wishnewitz | Traveling to NRC Convention - Car radio              |
| DY-NY  | David Yocis       | South Nyack NY - R71A, Kiwa loop                     |

K F M O

The Voice of the Lead Belt  
Flat River, Missouri 63602



# International Jim Renfrew [JimRenfrew@delphi.com](mailto:JimRenfrew@delphi.com)

## DX Digest

61 Wilcox Street  
Rochester, NY 14607-3832

**Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.**

The 1996-97 IDXD North American Reporters Cup goes to the USA. The following states and provinces contributed IDXD reports during the past year. USA: CA, CO, CT, DE, FL, HI, IA, IL, MA, MD, ME, MT, NC, NH, NJ, NY, OH, OK, OR, PA, RI, TN, TX, VA, WA, WI = 26/51 = 51% CANADA: MB, ON, NF, PQ = 4/12 = 33% MEXICO: DF, PUE = 2/32 = 6%. Our Canadian reporters need to be on guard, as there were two Mexican states reporting this year.

This week, we feature an extensive report from Chris Knight's travels in Mexico. Also look below for a list of Mexico Expanded Band stations. This is the first list that I have seen. The "Sleepless in Seattle" gang have managed to wake up Jack Woods from his long summer nap for his first round of TPs. And John Bryant and Guy Atkins are back with some more TPs, too.

### TRANS-ATLANTIC DX

- 153 ALGERIA, AUG 31 2356 - Weak with AA male vocal. [Harrison\*MA]  
162 FRANCE, Allouis, AUG 27 0038 - pop music, then woman in FF; very good. [Connelly\*P-MA] AUG 31 0103 - Good with FF vocal group. [Harrison\*MA]  
171 MOROCCO, Nador, AUG 27 0037 - AA talk by man. [Connelly\*R-MA]  
177 GERMANY, Oranienburg, AUG 27 0036 - rousing GG beer-hall male group vocals; good. [Connelly\*R-MA] AUG 31 0106 - Poor with vocal group. [Harrison\*MA]  
183 GERMANY, AUG 31 0230 - Good with male in EE> [Harrison\*MA]



- 189 ICELAND, RUV, Gufuskalar, AUG 17 0056 - mellow pop vocals with no announcements; good strength (similar to LW TA's on 162, 198, 234, and 252). Some QRN from T-storms in NJ (about 300 km distant). [Connelly\*P-MA] AUG 27 0056 - LOUD with non-stop US oldies including "Respect" by Aretha Franklin. [Connelly\*R-MA] (see STATION NEWS below - Jim)  
198 UNITED KINGDOM, BBC, Droitwich et al., AUG 27 0040 - man & woman in EE with news interview. [Connelly\*R-MA] AUG 31 0118 - Good with news in EE. [Harrison\*MA]  
207 MOROCCO, Azilal / GERMANY, Aholming, AUG 27 0041 - fast AA talk over slow GG talk. [Connelly\*R-MA]

- 252 IRELAND, AUG 31 0119 - Good with EE vocal group. [Harrison\*MA]  
549 ALGERIA, Les Trembles, AUG 17 0053 - AA vocal; to fair peak. [Connelly\*P-MA]  
531 ALGERIA, Ain-El-Beida, AUG 31 0424 - // 549 with AA male vocal & strings; mixed with Spain. [Connelly\*H-MA]  
531 SPAIN, RNE5 synchros, AUG 31 0254 - // 684 with operatic-style pop SS vocal; poor to fair. [Connelly\*H-MA]  
549 ALGERIA, Les Trembles, AUG 31 0338 - excited AA vocal, strings, drums; good to excellent. AUG 31 0416 - piercing violin & flute music; huge. [Connelly\*H-MA]  
558 SPAIN, RNE5 synchros, AUG 31 0252 - // 684 with SS talk, light music; poor. [Connelly\*H-MA]  
567 IRELAND, RTE R.1, Tullamore, AUG 31 0428 - EE man & woman talking about workers; good, atop Spain. AUG 31 0525 - good with classical music. [Connelly\*H-MA]  
567 SPAIN, RNE5 synchros, AUG 31 0415 - // 684 with SS interview; completely dominant at the time. [Connelly\*H-MA]  
576 SPAIN, RNE5, Barcelona, AUG 31 0337 - // 855 with showtune-style vocal; fair to good. [Connelly\*H-MA]  
585 SPAIN, RNE1, Madrid, AUG 17 0049 - // 684 with SS female vocal, then SS talk; through static & tough WEZE-590 slop. [Connelly\*P-MA] AUG 31 0250 - // 639 with woman in SS; fair. [Connelly\*H-MA] SEP 8 0432 - SS news by man & woman, part of a political speech was played; loud. [Connelly-B-MA]  
585.06 TUNISIA (t), AUG 31 0355 - growl / bits of audio, 60 Hz above Spain- 585.0. [Connelly\*H-MA]  
603 SPAIN, RNE5, Sevilla / Palencia, AUG 31 0337 - // 855 with showtune-style SS female vocal; very good. [Connelly\*H-MA]

- 612 IRELAND, Athlone, AUG 17 0048 - pop music, bits of man in EE; poor, barely over jumble. [Connelly\*P-MA] AUG 31 0354 - EE talk / teletalk mentioned a rock concert; to fair peak, over others. [Connelly\*H-MA]  
612 MOROCCO, Sebba-Aioun (t), AUG 31 0530 - huge unmodulated carrier over Ireland, presumed to be this. [Connelly\*H-MA]  
621 CANARY ISLANDS // SPAIN, RNE1, AUG 17 0045 - SS talk over likely Egypt; somewhat noisy with T-storm QRN. [Connelly\*P-MA] AUG 31 0336 - // 855 et al. with showtune-style female vocal; good. [Connelly\*H-MA]  
621 EGYPT (t), AUG 17 0045 - AA music; under Canaries-Spain. [Connelly\*P-MA]  
639 SPAIN, RNE1, La Coruna et al., AUG 17 0044 - man in SS; just getting by tough CBN slop. [Connelly\*P-MA] AUG 31 0249 - LOUD with clear Radio Nacional de España ID, then SS talk by man & woman. Spain stations were the strongest and most numerous of the European signals coming in at the time. [Connelly\*H-MA]  
648 SPAIN, RNE1, Badajoz et al., AUG 31 0349 - // (huge) 855: operatic female vocal, then woman in SS with "R. Nacional España" mention; poor to fair. [Connelly\*H-MA]  
657 SPAIN, RNE5, Madrid, AUG 31 0430 - woman in SS; to good peak with WFAN phased. [Connelly\*H-MA]  
666 PORTUGAL, RDP, Lisboa, AUG 31 0412 - classical music (at low audio level); over apparent SS & AA stations. [Connelly\*H-MA]  
675 NETHERLANDS, R. Ten Gold, Lopik, AUG 31 0410 - "As Tears Go By" by Marianne Faithfull: good tune & good signal. [Connelly\*H-MA]  
684 SPAIN, RNE1, Sevilla, AUG 17 0043 - man in SS; fair with WRKO looped. [Connelly\*P-MA] AUG 31 0248 - Enya-type female vocal; excellent. [Connelly\*H-MA]  
693 UNITED KINGDOM, BBC, Droitwich et al., AUG 17 0041 - EE talk; slightly over Azores / Spain mess. [Connelly\*P-MA] AUG 31 0405 - news about Princess Diana's fatal car accident in Paris. [Connelly\*H-MA]  
693 unID (Spain?), SEP 7 0230 - Light vocals under BBC-R5, woman in what sounded like Spanish, not parallel RNE-684 or other RNE stations. [Conti-NH2] (maybe Azores? - Jim)  
711 unID's, AUG 17 0038 - about 3 audios battling it out under a huge W. Sahara open carrier. [Connelly\*P-MA]  
729 SPAIN, RNE1, Oviedo et al., AUG 17 0037 - // 855 with man in SS; poor, slightly over others, pestered by static crashes and WJTO slop left over after nulling CKAC. [Connelly\*P-MA] AUG 31 0333 - // 855 with emotional SS vocal, SS talk; to fair peak. [Connelly\*H-MA]  
738 SPAIN, RNE1, Barcelona, AUG 17 0034 - man in SS; poor to fair through tough CHCM (NF) slop. [Connelly\*P-MA] AUG 31 0419 - // local-like 855 with woman in SS; good during CHCM fades. [Connelly\*H-MA] SEP 8 0430 - // 774 with SS news by woman, Estados Unidos mentions, and pips on the half hour; strong. [Connelly-B-MA]  
747 CANARY ISLANDS // SPAIN, AUG 17 0032 - woman in SS; fair, over others. [Connelly\*P-MA]  
747 NETHERLANDS, Flevoland, AUG 31 0401 - Dutch news by man, slightly over Canaries-Spain. The signal was stronger than the jumble of stations on 750. [Connelly\*H-MA]  
756 GERMANY, Deutschlandradio, Braunschweig/Ravensburg, AUG 17 0031 - opera; over / under Spain. [Connelly\*P-MA] SEP 6 2330 - Good; man and woman in German // 1422. (Conti-NH2)  
756 SPAIN, R. Euskadi, Bilbao, AUG 17 0031 - SS talk; mixing with Germany. [Connelly\*P-MA]  
765 SWITZERLAND, RSR, Sottens, AUG 17 0030 - "spring like" classical music (similar to Beethoven's "Pastorale"); excellent. [Connelly\*P-MA] AUG 31 0359 - concert piano music; excellent. [Connelly\*H-MA] SEP 6 2325 - Good; classical music. [Conti-NH2] SEP 8 0131 - presumed, in briefly with classical piano music program. [Renfrew-NY]  
774 EGYPT, Abis, AUG 16 0027 - AA female vocal; huge, totally burying Spain! [Connelly\*P-MA]  
774 SPAIN, RNE1 synchros, AUG 16 0339 - old-time "torch song" style SS female vocal in a somewhat operatic style. [Connelly\*H-MA] AUG 17 0028 - bits of Elvis Presley song (// 855); way under Egypt. [Connelly\*P-MA] AUG 31 0254 - // 684 with operatic SS vocal; good, over other. [Connelly\*H-MA] SEP 8 0430 - // 738 with SS news by woman; loud. [Connelly-B-MA]  
783 SYRIA, Tartus, AUG 17 0029 - AA vocal; mixed with 2 others. [Connelly\*P-MA]  
792 SPAIN, SER, Sevilla, AUG 31 0438 - man & woman with SS teletalk; over others. [Connelly\*H-MA]

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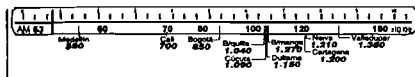


- 801 JORDAN, R. Jordan, Ajlun, AUG 17 0025 - AA vocal; under Spain. [Connelly\*P-MA]
- 801 SPAIN, RNE1 synchros, AUG 17 0025 - // 855 with "Suspicious Minds" by Elvis Presley. Jordan was slightly under. [Connelly\*P-MA] AUG 31 0358 - woman in SS; poor, over AA station. [Connelly\*H-MA]
- 819 EGYPT, Batra, AUG 17 0022 - typical Koranic vocal; over apparent Morocco / Spain. [Connelly\*P-MA]
- 836 AZORES, RDP, Pico da Barossa, AUG 17 0020 - PP teletalk; fair to good, splittable from 837. [Connelly\*P-MA] AUG 31 0440 - solemn PP talk mentioned Princess Diana's death. [Connelly\*H-MA]
- 837 CANARY ISLANDS // SPAIN, COPE synchros, AUG 17 0020 - woman in SS mentioned a trip to Miami; excellent. [Connelly\*P-MA] AUG 31 0418 - fast SS talk by man; loud, stronger than adjacent Azores-836. [Connelly\*H-MA]
- 846 ITALY, Rome, AUG 17 0019 - old-time Otis Redding soul song, then man in II; excellent. [Connelly\*P-MA] AUG 31 0418 - II talk; to fair peak. [Connelly\*H-MA] SEP 8 0433 - II teletalk; poor to fair. [Connelly-B-MA] SEP 8 0150-0306 - Noted with operatic music, II/EE/FF news from "Italian Radio and Television Network" on the hour after 6 pips, very weak in slop on MW but those operatic high notes and the pips were in synch with shortwave parallel 6060 Sicily. Not heard here since about 1977! [Renfrew-NY]
- 855 SPAIN, RNE1, Murcia et al., AUG 17 0017 - man in SS; excellent. [Connelly\*P-MA] AUG 31 0255 - // 684 with operatic SS male pop vocal; excellent. This was actually 10 dB stronger than Boston's WEEI-850 (and it was much clearer because 850 had co-channel QRM from PQ and VA stations). AUG 31 0516 - still excellent with SS talk at this late time. [Connelly\*H-MA] SEP 6 2230 - Hints of Spanish talk starting to show up well before local sunset. [Conti-NH2] SEP 8 0435 - SS talk, then female vocal; very good. [Connelly-B-MA]
- 864 EGYPT, Santah, AUG 17 0015 - man with Koranic vocal, sermon; huge signal. [Connelly\*P-MA]
- 864 SPAIN, RNE1, Socuellamos, AUG 31 0351 - // 855 with fast SS talk by woman; poor to fair, over others. [Connelly\*H-MA]
- 864 unID, AUG 17 0015 - C&W style vocal (France ?) briefly surfacing over generally-dominant Egypt. Was not parallel to Spain-855. [Connelly\*P-MA]
- 873 GERMANY, AFN, Frankfurt, AUG 17 0024 - bits of US EE talk slipped out from behind Spain. [Connelly\*P-MA]
- 873 SPAIN, SER R. Zaragoza, Zaragoza, AUG 17 0013 - SS newstalk by man & woman; well over pop music station that was probably AFN Germany. [Connelly\*P-MA] AUG 31 0031 - SS news by man; fair. [Connelly\*H-MA]
- 882 CANARY ISLANDS // SPAIN, AUG 27 0127 - SS talk, slightly weaker than co-channel BBC UK. [Connelly\*R-MA]
- 882 unID, AUG 27 0127 - AA-sounding vocal; mixing with UK & Canaries-Spain. There are several possibilities, but Dammam, Saudi Arabia looks like the only one running serious power. [Connelly\*R-MA]
- 882 UNITED KINGDOM, BBC Wales, Washford, AUG 17 0011 - EE talk, then '70s oldies including Elton John; good, atop Canaries-Spain SS. [Connelly\*P-MA] AUG 27 0127 - man & woman in EE; over Canaries-Spain and an unID AA-sounding station. [Connelly\*R-MA]
- 891 ALGERIA, Algiers, AUG 17 0008 - AA guitar & violin, then talk by woman followed by flute music; excellent. [Connelly\*P-MA] AUG 31 0255 - female AA vocal; was S9+20 just using the MFJ-1026 phaser's short built-in whip! [Connelly\*H-MA]
- 907.8 GAMBIA, R. Syd, Banjul, AUG 17 0007 - het only. [Connelly\*P-MA]
- 909 UNITED KINGDOM, BBC, Moorside Edge et al., AUG 17 0005 -EE talk mentioning the United States; to fair peaks over others, some WAB1 slop. [Connelly\*P-MA] SEP 8 0427 - EE discussion by man & woman; over unID violin music station. [Connelly-B-MA]
- 918 SPAIN, R. Intercontinental, Madrid, AUG 31 0330 - SS pop-rock female vocal; fair. [Connelly\*H-MA]
- 927 BELGIUM, BRTN, Wolvertem, SEP 8 0425 - bits of FF male vocal; in slop. This is a tough split with three strong stations (CFBC, WZNN, and CJYQ - 930) on bearings similar to those of European DX stations. Two additional 930 pests (WPAT and WBEN) come in off the back of the phased antenna array. [Connelly-B-MA]
- 936 SPAIN, RNE5 synchros, AUG 16 0339 - old-style semi-operatic SS female vocal; good, actually better than // 774. [Connelly\*H-MA] AUG 17 0002 - SS news by woman; to good peak. [Connelly\*P-MA] AUG 31 0248 - // 684 with female vocal; fair. [Connelly\*H-MA]
- 954 SPAIN, R. España, Madrid, AUG 17 0001 - SS news by woman, then teletalk; fair to good, over other. [Connelly\*P-MA] AUG 31 0259 - woman in SS; fair. [Connelly\*H-MA]

- 954 unID, AUG 17 0001 - Middle Eastern sounding music (Qatar or Turkey ?); under Spain. [Connelly\*P-MA]
- 963 PORTUGAL, R. Renascenca, Seixal, AUG 16 2359 - woman in PP; to good peak (but audio somewhat mushy), some CHNS-960 slop, WZAN-970 QRM was held off by N-S loop null. [Connelly\*P-MA]
- 981 ALGERIA, Algiers, AUG 16 2356 - Koranic-style AA music; good to excellent at S9+20 dB. [Connelly\*P-MA] AUG 31 0512 - serious-sounding AA talk by man, Allah mentioned; to strong S9+20 peak (but the audio level was somewhat light); WTRY phased. [Connelly\*H-MA]
- 999 SPAIN, COPE, Madrid, AUG 16 2355 - SS news / discussion; to good peak, some QRM from fiddle music on CKBW. [Connelly\*P-MA] AUG 31 0240 - fast SS newstalk; good. [Connelly\*H-MA]
- 1008 CANARY ISLANDS, R. Las Palmas, AUG 16 2350 - SS teletalk (non-SER); atop SER-Spain. [Connelly\*P-MA]
- 1008 SPAIN, SER synchros, AUG 16 2350 - // 1026, 1044 with female vocal; under the non-SER Canary Islands station. [Connelly\*P-MA]
- 1017 SPAIN, RNE5 synchros, AUG 16 0342 & AUG 31 0448 - SS talk; poor. [Connelly\*H-MA]
- 1026 SPAIN, SER synchros, AUG 16 0458 - // 1044 with SS teletalk; poor. [Connelly\*H-MA] AUG 16 2348 - SS vocal // 1044; in tight null of WBZ. [Connelly\*P-MA]
- 1044 MOROCCO, Sebaa-Aioun, AUG 16 2345 - AA vocal; evenly mixing with Spain. [Connelly\*P-MA]
- 1044 SPAIN, SER synchros, AUG 16 0458 - // 1026 with SS teletalk; fair. [Connelly\*H-MA] AUG 16 2345 - fast SS talk by man; in even mix with Morocco. [Connelly\*P-MA] AUG 31 0301 - rapid-fire SER net SS news; fair to good. [Connelly\*H-MA]
- 1053 UNITED KINGDOM, Talk Radio synchros, Start Point et al., AUG 17 0114 - // 1089 with mention of overseas embassies, "good morning, you're on Talk Radio", then a listener talked about how much he missed the great Top 40 shows from Radio Luxembourg. Mixed with Spain, others; good with WEVD phased. [Connelly\*P-MA] SEP 7 0100 - Excellent; Independent Radio News. Talk Radio weather from the Weather Channel, and talk about Princess Diana. [Conti-NH2]
- 1062 DENMARK, Kalundborg, AUG 31 0310 - jazz instrumentals & vocals; to good peak. [Connelly\*H-MA] SEP 8 0358 - "Eternal Flame" female pop vocal; loud. [Connelly-B-MA]
- 1071 SPAIN, EI, Bilbao, AUG 16 2343 - SS folk male vocal & guitar; fair with some CBA slop. [Connelly\*P-MA] SEP 8 0507 - SS news; fair through CBA slop. [Connelly-B-MA]
- 1080 SPAIN, SER synchros, AUG 17 0113 - // 1044 with disco-revival female vocal music; under WTIC. [Connelly\*P-MA]
- 1089 ALBANIA, Durres, AUG 17 0111 - Tirana mention, eastern European language talk by man, trumpet flourish; coming up to a strength comparable to strong co-channel Talk Radio. [Connelly\*P-MA]
- 1089 UNITED KINGDOM, Talk Radio synchros, AUG 17 0110 - promotions for upcoming programs "on Talk Radio", then mentions of economic issues; very good. [Connelly\*P-MA] SEP 8 0421 - news headlines mentioned that Elton John's re-done version of "Candle in the Wind" (for Diana) will soon be the largest selling song of all time and that all proceeds will go to charity. Sports and weather followed, then the announcer said "Talk Radio news time is 5.21". Good signal. [Connelly-B-MA]
- 1098 SLOVAKIA, Nitra, SEP 8 0356 - folk-style female vocal; over Spain. [Connelly-B-MA]
- 1134 CROATIA, HR, Zadar, AUG 16 2338 - mellow vocal; mixed with Spain. [Connelly\*P-MA] AUG 26 0140 - strong signal with music, no other TAs audible though. SEP 8 0121 - excellent with music. [Renfrew\*NY] SEP 2 0150 - Rock/pop music, fair to good with strong fade ins over Spain. [Conti-NH1]
- 1134 SPAIN, COPE synchros, AUG 16 2338 - woman in SS; mixed with Croatia. [Connelly\*P-MA]
- 1143 SPAIN, COPE synchros SEP 2 0145 - Good; telephone talk // 1134. [Conti-NH1]
- 1179 SWEDEN, Solvesborg, SEP 8 0352 - man in Swedish, then female choral vocal (almost religious-sounding), more talk, then a dreamlike New Age instrumental; to good peaks over SER Canaries-Spain. [Connelly-B-MA]
- 1206 FRANCE, R. Bleue, Bordeaux, AUG 16 0446 - female FF vocal (a version of the 1966 ecology hit "Tar and Cement"); very good. Faint Caymans-1205 het in the background. AUG 31 0503 - old-fashioned FF group vocal; good. [Connelly\*H-MA] SEP 8 0512 - Caribbean-influenced FF song; very good. [Connelly-B-MA]
- 1215 UNITED KINGDOM, Virgin R. synchros, AUG 17 0107 - metal / hip-hop fusion music; strong. [Connelly\*P-MA]

- 1251 LIBYA, Tripoli, AUG 16 2327 - sedate AA talk by man, then an excerpt from an emotional speech; excellent / huge, way over S9. There was a very weak low het from something on 1250.8. [Connelly\*P-MA]
- 1296 SPAIN, COPE, Valencia, AUG 16 2325 - fast SS talk; to fair peak during fade-up. [Connelly\*P-MA]
- 1314 NORWAY, NRK, Kvitsoy, AUG 17 0103 - news by man & woman in Norwegian; good, over Spain. [Connelly\*P-MA] SEP 8 0405 - church-type organ music; excellent. [Connelly-B-MA] SEP 2 0200 - Excellent; woman with news in Norwegian, then Beatles' "Strawberry Fields Forever." [Conti-NH1]
- 1341 NORTHERN IRELAND, BBC, Lisnagarvey, AUG 17 0102 - bits of EE talk; over other (SS ?); murky audio with necessary 1.8 kHz filter in use. [Connelly\*P-MA]
- 1349 MAURITANIA, R. Mauritania, Nouakchott, AUG 16 2315 - a cappella AA vocal, then talk by man; strong carrier, weak audio. [Connelly\*P-MA]
- 1395 NETHERLANDS, Lopik, AUG 31 0320 - Dutch news interview; fair, over other. [Connelly\*H-MA] SEP 7 0030 - Good; telephone talk in Dutch language hosted by a man and woman, Talk Radio ID, and talk about Princess Diana. [Conti-NH2]
- 1422 GERMANY, Deutschlandradio, Heusweiler, AUG 17 0101 - woman in GG; fair. [Connelly\*P-MA] SEP 8 0406 - man with news in GG; fair. [Connelly-B-MA]
- 1458 unID, AUG 17 0101 - strong mess / growl. [Connelly\*P-MA]
- 1521 SAUDI ARABIA BSKSA Dubai, AUG 29 0320 - while vacationing at Keuka Lake, southeast of Rochester, noted AA music separable from WWKB. AUG 30 0300 - Tried again the following night at scheduled 0300 sign-on, but nothing heard until about 0320. [Renfrew\*NY] AUG 31 0316 - AA Koranic male vocal; good with WWKB phased. [Connelly\*H-MA] SEP 6 2259 - Good; Koranic recitation, then quick s/off with anthem, // 9555 & 9870. [Conti-NH2] SEP 8 0319 - Same program heard back at home, unusual due to usual strong signal of WWKB-1520. [Renfrew-NY] SEP 12 0300 - noted strong het on WWKB at 0250, possible IS at 0259, some Koranic recitation through slop. If I could get a SW parallel I'd feel better about logging this one. [Renfrew-NY]
- 1530 SÃO TOME & PRINCIPE, VOA, Pinheira, AUG 16 0435 - // 7370 with dance music, then PP talk by man; atop Vatican / WSAI mix. [Connelly\*H-MA]
- 1544 ALGERIA - CLANDESTINE, Tindouf, AUG 16 2317 - shrill female vocal popped up over WMYF/WDCD/WADK-1540 slop. [Connelly\*P-MA] SEP 6 2235 - Huge signal but not much audio punch with Arabic talk and music fighting heavy splatter from nearby WMYF-1540 Exeter. [Conti-NH2]
- 1548 KUWAIT, VOA, Kuwait City, AUG 16 2318 - US EE talk by man & woman; coming up in strength. [Connelly\*P-MA] SEP 6 2355 - Fair; VOA Today mention before news, over unID African flute music. [Conti-NH2]
- 1566 IRAN, IRIB, Bandar Abbas, AUG 27 0026 - Koranic vocal came in well, atop 2 others (India / Belarus ?). It took a while to null the WQEW slop down to a manageable level. [Connelly\*R-MA] (Station in Belgrade now here, too, not sure what power - Jim)
- 1575 SPAIN, SER synchros SEP 6 2240 - Fair; telephone talk motorboating over an unID station. [Conti-NH2]
- 1584 SPAIN, SER synchros SEP 6 2315 - Fair; telephone talk // 1575. [Conti-NH2]
- 1611 VATICAN, R. Vaticana, AUG 16 0410 - religious music, Slavic talk by man & woman; loud. [Connelly\*H-MA]
- 1619.5 NETHERLANDS, Scheveningen, PCH, AUG 17 0100 - repeated cycle of "PCH" Morse code ID and 8 data bursts; excellent. [Connelly\*P-MA]

*Bruce speaks:* I located a new site that has good potential for remote DXpeditions. It's at the end of Lower Collins Street in Seabrook, facing the saltmarsh that lies between the mainland and barrier beaches on New Hampshire's piece of Atlantic coastline. It's probably not the place to be during duck hunting season, as the area was littered with empty shells and beer cans. I did hear random gun shots at times during the pre-sunset hours, reminding me of Newfoundland DXpeditions during their hunting season. And yes, it's in the shadow of the infamous Seabrook nuclear power plant, site of many Clamshell Alliance anti-nuclear protests. One of the cooling towers can be seen on the horizon to the north. But it should be a great site for mini-DXpeditions this winter, as long as the access road is plowed of snow. And for me, it's a shorter drive than the trip to Rockport or Rowley, MA, which is important when it's time to pack up and get home in time to catch some shut-eye before daylight. The site was also good for viewing the Hampton Beach fireworks display on Saturday night. 73



## PAN-AMERICAN DX

- 526 BAHAMAS, ZLS, Stella Maris, AUG 16 0317 - "ZLS" code beacon; good. [Connelly\*H-MA]
- 530 TURKS & CAICOS, R. Vision Cristiana, AUG 16 0329 - SS sermon about God and family, then "alleluia"; loud. Weakly hetted on the low side by "F9" beacon (New Brunswick). [Connelly\*H-MA] AUG 19 0530 - Good to very good signals with Spanish language religious programming. [Axelrod-MB]
- 535 GRENADA, GBC, St. George's, AUG 16 0315 - reggae song "All I Want is You"; excellent. [Connelly\*H-MA]
- 540 MEXICO, XEWA, Monterrey, AUG 16 1003 - phone numbers given, then slogan "la grande cadena W". [Connelly\*H-MA] AUG 19 0535 - Poor to Fair signals in CBK null with light Mexican music program. [Axelrod-MB]
- 590 MEXICO XEPH Mexico, D.F. AUG 19 2247 - SS, Fair with música tropical, "La Sabrosita" slogans, IDs by woman, would frequently mention "Sabrosita". Belongs to "Nucleo Radio Mil" network per 1997 Mexico City phonebook. [Knight\*PUE]
- 640 MEXICO XENQ Tulancingo, HDGO AUG 19 2253 - SS, excellent, música romántica, ID: "XENQ AM y XH\_\_ 90.1FM. Doble impacto musical", "NQ" slogans. [Knight\*PUE]
- 660 MEXICO XERTL Mexico, D.F. AUG 19 2256 - SS, excellent, música romántica and variety with ID: "Estás escuchado a 6-60, La Candelita" [Knight\*PUE]
- 670 CUBA, R. Rebelde, CMQ, Arroyo Arenas, AUG 16 0325 - woman in SS (// 710); dominant. [Connelly\*H-MA]
- 710 CUBA, R. Rebelde synchros, AUG 16 0325 - // 670 with woman in SS; over WOR. [Connelly\*H-MA]
- 730 MEXICO XEX Mexico DF, AUG 19 0537 - Poor to Fair signals under CKDM with lots of Spanish talk. [Axelrod-MB]
- 730 MEXICO XEX Mexico, D.F. - Per 1997 Mexico City phonebook, belongs to the "Sistema Radiopolis" network and uses "La 'X' de Mexico" slogans (no surprise). [Knight\*DF]
- 750 VENEZUELA, YVKS, Caracas, AUG 16 0332 - SS baseball report including mentions of "Mets de Nueva York" and "Rockies del Colorado"; also "grande liga venezolana". Ad for "Banco Provincial" followed. Huge / dominant signal. [Connelly\*H-MA]
- 750 MEXICO XEKOK Acapulco, GUER AUG 20 0205 - SS, good with música ranchera, call ID, "Radio Sensación" slogans and jingles. [Knight\*PUE]
- 760 MEXICO XEABC Mexico, D.F. AUG 19 2300 - SS, "Ésta es Radio ABC, XEABC, transmitiendo desde \_\_\_\_, en 760kHz AM con estudios en Gomez Faria 51, Colonia San Rafael, Mexico, D.F." ID, into noticias. [Knight\*PUE]
- 778 unID, SEP 7 0245 - Merengue music, poor audio quality, deep fades, hets against 774 and 780 kilohertz. [Conti-NH2]
- 780 MEXICO XESFT San Fernando, TAMA AUG 20 0202 - SS, good with música ranchera, "La Bronca Norteña" slogans. [Knight\*PUE]
- 790 MEXICO XERC Mexico, DF AUG 19 2303 - SS, excellent with "El Fonógrafo presents una programa de noticias. Belongs to "Grupo Radio Centro" network per 1997 Mexico City phonebook. [Knight\*PUE]
- 810 MEXICO XEHT Huamantla AUG 19 2306 - SS, excellent with JUV, CHR music in SS, ID: "XEHT 8-10" and "...agui en Radio Huamantla". [Knight\*PUE]
- 850 CUBA R Reloj (unID site); AUG 27 1638+ - this one remains active, good with usual man with news and time sounders. Didn't catch the State Department reported Castro sudden death diversionary propaganda item on Reloj, though. [Krueger-Ft DeSoto, FL]
- 880 MEXICO XEYV Huatusco, VER AUG 19 2318 - SS, Fair with "Radio Variedades" slogans, música tropical. [Knight\*PUE]
- 880 MEXICO XEQQQ Villahermosa, TAB AUG 20 0235 - SS, fair/good peaks with "La Super Q" slogans, XE pop and tropical music. QRM from a station in English. [Knight\*PUE]
- 900 MEXICO XEW Mexico, D.F. - Per 1997 Mexico City phonebook, uses "XEW 900 Radio" slogans and belongs to the "Sistema Radiopolis" network. [Knight\*DF]
- 940 MEXICO XEQ Mexico, D.F. - Per 1997 Mexico City phonebook, uses "Q 9-40 AM" slogans and belongs to the "Sistema Radiopolis" network. [Knight\*DF]
- 970 MEXICO XEDF Mexico, D.F. AUG 20 0230 - SS, Fair/poor with "Radio Formula AM y FM" slogans, mention "cadena Radio Formula". [Knight\*PUE]
- 990 MEXICO XEOL Teziutlan, PUE AUG 19 2323 - SS, Good with Juvenil, CHR, Discoteca music and "Radio Impacto" slogans. [Knight\*PUE]
- 1000 COLOMBIA Caracol Cartagena, AUG 2 0710 - with local WCMF-990 off the air this night, an easy log under WMVP. WCMF has since returned as a religious station with new calls. [Renfrew-NY]
- 1000 MEXICO XEOY Mexico, DF AUG 19 2329 - SS, excellent with talk about upcoming local

- events, famous 4-noted whistle and "Es Rad-yo Mil" jingle by kid, mentioned "Nucleo Radio Mil". [Knight\*PUE]
- 1010 MEXICO XEFM Veracruz, VER AUG 19 0448 - SS, good with música tropical and ID: "Estás escuchando a La Máquina Tropical", ment. Veracruz. [Knight\*PUE]
- 1020 TURKS AND CAICOS IS CCR, AUG 19 0540 - Good signals even or over KDKA with a preacher in English bemoaning the fact that there were very few if any listener letters from CCR while other stateside stations had generated a lot of letters. Maybe nobody is listening but we DX'ers??? [Axelrod-MB]
- 1020 CUBA R Guama, Bahía Honda, Pinar del Rio; AUG 27 1740+ - fair with historia fill segment, local music. Parallel 1090 (fair). [Krueger-Ft DeSoto, FL]
- 1030 MEXICO, XEQR Mexico, DF - Station listed in 1997 phone book as a member of "Grupo Radio Centro" and still uses "Radio Centro" slogans. [Knight\*DF]
- 1050 MEXICO XEG Monterrey, NL AUG 20 0221 - SS, Fair over another XE with "XEG, La Ranchera de Monterrey" slogans, signals to XLNT levels. [Knight\*PUE]
- 1050 MEXICO XE, QTH unk AUG 20 0221 - SS, Good peak over XEG with smooth XE music, "Radio Max" slogan. [Knight\*PUE]
- 1110 MEXICO XERED Mexico, D.F. - 1997 Mexico City phonebook lists them as "Radio Red", with a network of "Radiodifusión Red" which is a subset of "Grupo Radio Centro". [Knight\*DF] ("Red" translates to "network" in Spanish -pls.)
- 1130 MEXICO XEZL Jalapa, VER AUG 19 2345 - SS, very good with "Radio Centro" slogans, ads, jingle: "Voy a Radio Centro" jingle by woman, many mentions of Veracruz, birthday greetings. "Desde Jalapa, Veracruz, Radio Centro para Usted". Slogan change (ex-La Tropical Caliente). No sign of XEITOL. [Knight\*PUE]
- 1150 MEXICO XEJP Mexico, D.F. - Per 1997 Mexico City phonebook, belongs to "Grupo Radio Centro" network and uses "Radio Variedades" slogans. [Knight\*DF]
- 1170 MEXICO XECD Puebla, PUE AUG 19 0416 - SS, loud local with música romántica, call ID and slogan: "La voz de la Confianza", PSA for educacisn. [Knight\*PUE]
- 1205 CAYMAN ISLANDS R Cayman, George Town, AUG 6 0843-0904 - tune-in to nonstop classical sitar music. Wondered what was up, as the Caymans have few Hindus. Then BBCWS ID, theme, sounders into BBCWS news from 0900. So, they must relay BBCWS overnight, and obviously not on the WRTH97 listed 1100-0500 sked. [Krueger-FL]
- 1250 MEXICO XEZT Puebla, PUE, AUG 19 0416 - SS, loud local with EE songs that no one in the US would want to listen to...hi., "Radio Trebuna 12-50" (ex- "La Máquina musical") [Knight\*PUE]
- 1280 MEXICO XEEG Puebla, PUE AUG 19 0358 - SS, LOUD local, unnullable, with música romántica, song called "Amor de Verano", full ID, slogan: "Radio Alegría", mil watts, city ID as "Puebla". (ex-QTH was Huamantla, TLAX). (CK-PUE)
- 1310 MEXICO XEHIT Puebla, PUE AUG 19 0354 - SS, LOUD local with música tropical, slogan given as "La Tremenda". [Knight\*PUE]
- 1320 MEXICO XECMQ Mexico, D.F. - 1997 Mexico City phonebook lists them as using "Formato 21" slogans and network is "Radiodifusión Red" which is a subset of "Grupo Radio Centro". I heard them at 0600 on AUG 22 using "Radio Variedades" mentioning "Grupo Radio Centro" and mentioning "20 mil watts" [Knight\*DF]
- 1350 MEXICO XEQK Mexico, D.F. AUG 22 0515 - SS, LOUD with repetitive ads, TCs every minute: "Cerro Cinquenta", followed by the "beep-beep, beep-beep" of a digital watch. Used 2 slogans: "La Hora Exacta" and "Cartalena 13-50" [Knight\*DF]
- 1370 MEXICO XEPA Puebla, PUE AUG 19 0350 - SS, loud local with XE pop music, slogan given as "La Super Sierra". Earlier in the day, I saw billboard ads with the callsign XEPA. [Knight\*PUE]
- 1380 MEXICO XECO Mexico, D.F. AUG 22 0507 - SS, loud local with "romántica 13-80" slogan, música romántica, ad for Cozumel. [Knight\*DF]
- 1410 MEXICO XEBS Mexico, DF AUG 19 0349 - SS, good with música romántica, slogan as "Radio Sinfonola". Per 1997 Mexico City phonebook, also belongs to the "Nucleo Radio Mil" network. [Knight\*PUE]
- 1430 MEXICO XETT Tlaxcala, TLAX AUG 19 0344 - SS, loud with call ID and "Radio Tlaxcala" slogans, música romántica, "La estación de tradición". (CK-PUE)
- 1450 MEXICO XEPUE Atlixco, PUE AUG 19 0330 - SS, Christian format, ads, mentioned "Grupo ACIR", LOUD. Local. No slogan other than "14-50 AM" mentioned. [Knight\*PUE]
- 1490 MEXICO XEPOP Puebla, PUE AUG 19 0337 - SS, Local, Loud with XE pop music, mentioned Puebla and 14-90 AM, PSA on helping children. Slogan: "Es la Comadre" (ex-La Sabrosita). [Knight\*PUE]

- 1500 MEXICO XEAI Mexico, D.F. AUG 22 0415 - SS, loud with ID as "XEDF, Radio Formula" and later as "Radio A-I". XEDF must be the Radio Formula network flagship station. [Knight\*DF]
- 1530 MEXICO XEUR Mexico, D.F. AUG 22 0424 - SS, loud, local, with "Viente Mil Watts", ment "Organización Radorama". [Knight\*DF]
- 1560 MEXICO XEFAJ Mexico, D.F. AUG 22 0405 - SS, LOUD, local, "La Consentida" slogan and mention of "Grupo Radio Centro". Also, 1997 Mexico City phonebook lists them with this slogan and net. [Knight\*DF]
- 1580 MEXICO XEDM, AUG 20 0352 - Poor to fair signals under CBJ with light music and Spanish talk. [Axelrod-MB]

*Chris speaks:* I just made it back from a week long trip to Mexico (DF and Puebla) for business. I got my work done in about a day and a half, which gave me some time to play around on the radio and look for changes to the IRCA Mexican Log and make some loggings. The radio used was the GE Superadio. I spent 3 nights in Puebla and 1 night in Mexico City. The only non-Mexican stations heard were 530-RVC (weak), 740-KTRH, and 1030-KCTA - all from Puebla. There was also a strong English station on 610kHz. This was probably Houston. I noted some changes to the Mexican Log, but was very pleased to say that the log was quite accurate for this part of the country. There were more changes in the Mexico City area than in Puebla. A lot of information was copied from the local phone books which also listed Network info along with slogans and call signs. It was neat to hear Radio Mil on 1000 kHz extremely strong (and splattering somewhat) with the 4-noted whistle and "Es Rad-yo Mil" jingle.

#### TRANS-PACIFIC DX

- 153 RUSSIA Komsomolsk, Far East, AUG 2 1215 - presumed, // 180, with RR program at good level (180) to weak (153). [Bryant-Orcas WA] AUG 23 1247 - RR talk by man introducing pop music sounding like rap in RR. Good signal with periodic interference from GWEN. [Woods OR]
- 180 RUSSIA Pertopavlovsk (see 153 item above), AUG 9 1212 - Noted with very weak signal, RR language by male and female. [Bryant-WA]
- 234 RUSSIA Angarsk, AUG 9 1215 - presumed with RR language radio play at moderate level. [Bryant-WA]
- 594 CHINA UNID, AUG 10 1302 - with traditional opera, good level. WRTH lists both SHdong and Fujian province. No time to pursue before fade-out. Nuts! [Bryant-WA] (guess you'll have to go back one more time - Jim)
- 693 JAPAN JOAB Tokyo, AUG 9 1301 - fair signal with news in JJ. [Bryant-WA]
- 774 JAPAN, JOUB Akita, JUL 31 1220 - // 828, weak audio in JJ, NHK second program. AUG 2 1157-1210 - very strong JJ speakers. [Bryant-Orcas WA] AUG 9 1139 - With JJ language by male and female at excellent level. [Bryant-WA] AUG 23 1313 - Fair to poor with JJ talk by man. Sideband splatter from 780. [Woods OR]
- 828 JAPAN, JOBB Osaka, JUL 31 1220 - // 774, weak audio in JJ, NHK second program. [Bryant-Orcas WA] AUG 9 1100-1230 - At excellent level, in JJ. [Bryant-WA] AUG 23 1313 - Fair to poor with JJ talk by man. [Woods OR]
- 864 UNID, AUG 2 1220 - Korean audio by male speaker. [Bryant-Orcas WA]
- 891 AUSTRALIA 5AN Adelaide, AUG 9 1203 - presumed in Australian EE, with Australian national news. AUG 10 1303 - noted with ABC news as the band faded out. [Bryant-WA]
- 1053 NORTH KOREA, AUG 9 1230 - bubble jammer noted with good level. [Bryant-WA]
- 1098 UNID, AUG 9 1130 - with Pacific Island popular music and a closing announcement in EE giving what seemed to be cricket scores. No ID heard. Off the air with a choral anthem at 1130. Presume either Fiji 3 or Radio Majuro in the Marshall Islands. AUG 10 0946-1038 - beautiful program of uninterrupted island music by a female chorus until fade-out. Presume this, like yesterday, was either Fiji or Marshall Is. ID or not, it's programming like this that keeps me DXing. Excellent music at good level until fade-out. [Bryant-WA] AUG 13 1046-1102 - Majuro must be the one taped during this time. Fair signal with "island" music, no announcements heard. DF bearing 290 degrees, right on for Marshall Is. Best signal ever from this one. Has been strongest and most consistent TP carrier all summer. [Moore-FL]
- 1134 JAPAN JOOR Tokyo, AUG 10 1235 - presumed in JJ, good level. [Bryant-WA] AUG 23, 1336 - Man and woman in JJ with much laughter. Fair signal. Commercial station [Woods OR]
- 1143 JAPAN JOBR Keyoto, AUG 9 1302 - with news in JJ. [Bryant-WA]
- 1143 UNID, AUG 9 1310 - Pop/rock music show hosted by a very "with it" American male announcer (very American). Could this have been VOA Poro, Philippines? I think that they suppress their northern pattern to protect Japan. [Bryant-WA]
- 1242 JAPAN JOLF Tokyo, AUG 23, 1320 - Poor with fast JJ talk by man. [Woods OR]

- 1287 JAPAN JOHR Sapporo, AUG 2 1225 - man and woman in JJ at good level. [Bryant-Orcas WA] AUG 10 1236 - presumed in JJ at excellent level. [Bryant-WA]
- 1305 SOUTH KOREA Uljin, AUG 10 1237 - presumed with KK language noted in passing, good level. [Bryant-WA]
- 1322.9 CHINA CRI, Jilin Province, AUG 10 1147 - with Russian programming from 1147-1157 then dead air until 1200 when CRI "East is Red" interval signals plus multi-lingual IDs were heard followed by more RR programming; fair to good levels. [Bryant-WA]
- 1332 JAPAN JOSF Nagoya, AUG 10 1240 - in JJ at a good level. [Bryant-WA]
- 1413 JAPAN JOIF Fukuoka, AUG 9 1150 - Good level briefly, with JJ programming. [Bryant-WA]
- 1422 JAPAN JORF Yokohama, AUG 9 1250 - "Radio Nippon" with JJ talk by male at fair level. AUG 10 1238 - Noted at excellent level. [Bryant-WA]
- 1475 MALAYSIA RTV Malaysia, Kotakinabala, AUG 10 1130-1300 - Tagalong (?) programming on this "wrong" frequency noted with good level throughout time period. [Bryant-WA]
- 1566 SOUTH KOREA HLAZ Cheju, AUG 9 1251 - with talk by man in Standard Chinese. His Chinese was so poor that even I could tell he was from the southern part of the USA! Very powerful signal. AUG 10 1235 - with religious programming in Standard Chinese noted at excellent level. [Bryant-WA] AUG 23 1314 - Fair with youthful-sounding woman in Asian language; probably a sermon. [Woods OR]
- 1575 THAILAND VOA Bangkok, AUG 10 1215 - with programming in SE Asian language. Full IDs in EE, including the mailing address noted at 1215 and 1230, fair to good. [Bryant-WA]
- 1665 AUSTRALIA 2MM Sydney, JUL 29 1216 - Greek Radio with traditional Greek music program. [Bryant-Orcas WA]
- 1683 AUSTRALIA 2AM Earlwood, JUL 29 1240-1259 - Presumed with Middle Eastern-sounding music, continuous. [Bryant-Orcas WA]
- Jack speaks: "Was inspired by 'Sleepless in Seattle' to be up about daybreak today to try for early-season TP DX. Encouraging."
- Ray speaks: "Worst spring and summer for TP's in several years."

## STATION NEWS

- CLANDESTINE: "the station logged on 1560 earlier this month was almost certainly one of the anti-Saddam Iraqi opposition stations rather than the official Republic of Iraq Radio from Baghdad. Several presumably US-backed stations share a high-power transmitter somewhere in the Middle East (location so far unknown) which frequency hops anywhere between 1508 and 1566 kHz - usually on an exact frequency - e.g., 1508.0, 1538.0 etc., and usually accompanied by jamming, presumably from Iraq. Great care is needed with idents as some of these opposition programmes have very similar identifications to the official Iraqi radio - even going so far as to claim to be broadcasting from Baghdad. One uses EXACTLY the same ID - 'idha'at jumhuriyat al-iraq min Baghdad' (Republic of Iraq from Baghdad), followed by the slogan 'sat al shaab al-iraq' (voice of the Iraqi people). Another, which I logged a couple of times at Sheigra in February IDs as 'huna al iraq idha'at al-jayah al-iraqi, sawt al-quwwat al musallahah al-basilah' (This is Iraq, Iraqi Army Radio, voice of the brave armed forces). I've been attempting to keep track of this transmitter and its programming since it first came on the air in 1993. If anyone hears it and manages to catch an ID on tape I would be happy to have a listen to try and identify which station it is." [Dave Kenny in *Medium Wave News*, SEP 1997]
- HONG KONG: Results of monitoring on-site in late July: 567 carries Radio Television Hong Kong's "Radio 3" in English. Also identifies as "RTHK". The listed parallel frequency of 1584 (per WRTH 97 and current issues of the 'South China Morning Post' daily newspaper) was not audible. Other RTHK services Radio 5 (Chinese) on 783 and Radio 7 (Cantonese) on 621 are on air, as is the BBC World Service relay in English via Radio 6 on 675kHz. The other RTVK English service is classical music channel Radio 6 which transmits only on FM. On 1044, the listed frequency of English commercial operator Metro Plus, I only heard Chinese language programming on my brief check of this frequency, and the newspaper listing says Metro Plus carries a China Radio International relay in English at 6am local, and CRI's Mandarin Service from 7.00am. CRI's Cantonese Service is relayed at 1.00pm. Music programming is scheduled overnight music. But the other English language commercial station Quote AM was running on 864 with a mix of western and Asian contemporary music. [Bryan Clark] (Report since Hong Kong returned to China - Jim)
- ICELAND: 189 Rikisutvarpid, Reykjavik AUG 21 0340-0402 - Male talking in Scandinavian language, mentioning the Faroer, Denmark and Iceland (Island) in one breath, Island mentioned some times again. Weird nondescript piece of music and no timecheck at 0400. Signal deteriorated by then from fair (2.2 with 183 Felsberg hetting, making signal somewhat

muffled) to very weak or even non-existent. Work called at this moment, so no time to check out further. [Piet Pijpers, Netherlands, in Hard-Core DX e-mail] The Icelandic National Broadcasting Service (RUV) is now testing a new longwave transmitter 189 khz. It will be officially opened next month and will carry a mixture of our two radio programs we transmit on our FM network. The transmitter is located at Gufuskalar on the tip of Snaefellsnes peninsula, West Iceland. We are using a former US Navy loran mast, 412 meters high. The two transmitters are new, manufactured by Harris, each one 150 kilowatts. The new longwave facility is replacing an older one near Reykjavik that has existed since the beginning of RUV in 1930. The purpose is to reach our listeners at sea and inland, where we do not have FM transmitters. It is also a back up to our FM system as part of our civil defence arrangements. We have a smaller longwave station at Eidar, East Iceland, near Seydisfjordur. It will broadcast on 207 khz. with a 100 kilowatt transmitter, starting soon. Perhaps you will monitor that one as well. Please let us know. Markus Oern Antonsson, Director, Icelandic National Broadcasting Service. [INBS direct via Piet Pijpers e-mail]

MEXICO: Here is a list of potential stations in the expanded part of the AM band. The list came from TCC's list of AM stations in the Western Hemisphere, widely circulated on the internet as Werner Funkenhauser's Whamlog. All stations are listed as 10 kW day, 1 kW night, non-directional. There is no indication of whether these would be new stations or changes to existing stations, and no indication of when they might come on the air.

- 1610 Ojinga CH  
 1610 Nogales SO  
 1620 Cd. Juarez CH  
 1620 Anahvac NL  
 1620 San Luis Rio SO  
 1630 Tijuana BCN  
 1630 Cd. Acuna CO  
 1630 Matamoros TM  
 1650 Gutierrez CS  
 1650 Pto Penasco SO  
 1660 Agua Prieta SO  
 1670 Janos CH  
 1670 Reynosa TM  
 1680 Piedras Negras CO  
 1680 Heroica Caborca SO  
 1690 Mexicali BCN  
 1690 Manuel Benavides CH  
 1690 Nuevo Laredo TM  
 1700 Tecate BCN  
 1700 Parxedis Guerrero CH 1700 Oc Ampo CS

[From IRCA in ARC AUG 8] (note that a lot of these stations are along the US border - Jim)

MEXICO (more): 1470/1500 stations have swapped frequencies. XEAI Radio AI is now 1470; XESM Radio Vida is now 1500. Both stations belong to Radio Formula. [Radio Formula letter via T. Larsson in *Play-DX* #945]

MEXICO (more): There is a very interesting report written by Jeff White in the September NASWA Journal concerning the 3rd annual meeting of Mexican DXers in Veracruz this summer. More than 30 were in attendance, at great personal expense, along with representatives from several international broadcasters.

NETHERLANDS: Sad news again. The days of Holland's most famous utility station Scheveningen Radio (PCH-1620 kHz) are numbered. The services of Scheveningen Radio will be discontinued as per 1-1-1999. At the end of this year already part of the radio telephone services will be discontinued. Reason for the closure of PCH is another crummy rule of the European government that states as per 1-2-1999, all ship traffic must be done via satellite. This is also the date that GMDSS must be in place. So another "catch-and QSL-while-you-can" station. [Ary Boender, WUN mailing list, JUN 14, in DX Ontario SEP 1997]

NORWAY: Radio Stella Maris has put in an application to use one long wave and one medium wave frequency. Currently Norway is assigned two unused long wave frequencies, 153 and 216 kHz. Radio Stella maris wants to use a high power transmitter on one of those frequencies, most likely 153 kHz. Later they want to add a medium wave transmitter. The transmitter site is likely to be in the southwest of Norway, that is if the application is approved. [DX News Norway, via mv-eko, in *Medium Wave News* SEP 1997]

PALESTINE: PBC 675 Ramallah has an excellent signal all day in Tel Aviv. They are now



broadcasting in English 1400-1450 and Hebrew 1450-1500. AT 1500 they broadcast the evening main newscast in Arabic starting with fanfares and several IDs. [Bengt Ericson via mv-eko in *Medium Wave News* SEP 1997]

PORTUGAL: Radio Comercial, Lisboa, 1035 is active. Heard first time AUG 25 near Madrid, with Bon Jovi music, ID, // 1251 R. Comercial Porto and others. Good signal in Madrid tonight. [Juan Antonio Arranz via *Hard-Core DX* e-mail]

PUERTO RICO: 1560 WRSJ no longer EE talk, now SS religion. [IRCA in ARC AUG 8]

UKRAINE: Ukraine Radio 1st Programme started in 171.5 kHz in the last couple of days. It is in // with 207 kHz. I have not checked it yet overnight - reported to carry External programmes at night. Russian Radio - 1 still on 171 as well. You cannot miss the het. [Len Walker in *Medium Wave News* SEP 1997]

#### MEDIUM WAVE NEWS (UK)

From time to time this year we will feature information about the publications that we receive on a club exchange basis.

The latest September issue of *Medium Wave News* (UK) is simply BULGING with information: all the regular loggings and reports, plus Mark Connelly's MFJ-1026 Phaser review, AOR 7030 upgrades, 3 Sony radios tested side-by-side, the art of NDB DXing, Grayland report, Radio in London, On the Home Front, 1960's Offshore Memories (Radio Carloline, etc.), and the new South American Desk. For info on membership, contact Harold Emblem, 137a Hamptson Road, Southport PR8 5DY, UK.

#### UNIDS, ETC.

Does anybody know who was relaying CMT (Country Music Television) tonight (AUG 29) on 1566 kHz? Tuned in at 0012 UTC, still on after 0100, but off at recheck at 0129. At 0138 Russian Mayak signed on. Its frequency was slightly different (CMT = 1565.99, Mayak = 1566.00). But it could be the same transmitter, its frequency could drift a bit while it was switched off for about 30 minutes (?). Other ideas? Thanks. [Karel HONZIK, Plzen (Pilsen), Czech Republic, e-mail: khonzik@bbs.infima.cz]

#### PUBLICATIONS

As a reminder, the IRCA Mexican Log will undergo another update soon, so please send all changes, updates, etc. to: Chris Knight, P.O. Box 128, Firestone, CO 80520 [dxe1@juno.com]

#### CONTRIBUTORS

@Shawn Axelrod, Winnipeg MB; ICOM ICR-70 & DRAKE R8, 4 FOOT BOX UNAMPLIFIED LOOP/QUANTUM LOOP, 145 FOOT LONG WIRE/100 FOOT INDOOR WIRE.

John Bryant, Orcas WA; NRD-525, 300' random wire antenna. Also DXing with Guy Atkins at Grayland WA, NRD-525, 2 beverage antennas at 240 and 260 degrees, each 1800'.

@Mark Connelly - WA1ION - Billerica, MA, USA; Equipment used at Harwich was the Drake R8A fed by the MFJ-1026 phasing unit with a Quantum Loop as the "main" antenna and the built-in whip as the "auxiliary" antenna. The usual mobile cardioid-pattern set-up (R8A / RL-1 loop / RW-1 whip / DCP-2 controller-phaser) was used at the Plymouth site. Also DXing from Rockport, MA. [WA1ION@ix.netcom.com]

@Bruce Conti, Nashua, NH (NH1); R8A, MWDX-5, 30-m east and south sloping wires, and Seabrook, NH (NH2); R8A, MWDX-5, 100-m northeast and southeast wires. Also DXing from Reynoldsburg, OH; Drake R8A, MWDX-5 phasing unit, two 150-m wires diverging northeast and southeast from hotel room. [BACONTI@aol.com]

Charles Harrison, DXing from Brewster MA; Realistic DX-390, Quantum LW Loop.

@Chris Knight DX-ing from the Crowne Plaza Hotel in Puebla using a GE SR III, also DX-ing from the Marriott Hotel at Benito Juarez Aeropuerto Internacional in Mexico City, DF. [dxe1@juno.com]

@Terry Krueger, Clearwater FL, DXing from Ft DeSoto FL; in Tocobaga DX #34 [tocobagadx@earthlink.net]

Ray Moore, La Belle FL; R-1000 (modified), R8, #108 24" spiral loop.

@Jim Renfrew, DXing from Keuka Lake NY; Sony ICF-2010 with Radio West Loop. [JimRenfrew@Delphi.com]

@Jack Woods, Waldport OR; Lowe Europa, Maynard ALN-1 outdoor loop. [jwoods@orednet.org]

#### CANADIAN IN CUBA

Hi Guys, I'm just back from a week of R&R in Cuba. Great holiday! My son was in the pool 6

hours per day. They had a beautiful beach, friendly people, good food, and only a 4-hour flight from H'fax. For us, it's easily the cheapest sunshine destination, and no fear of getting murdered in your bed.


I ran a daytime bandscan a couple of days ago, and it's interesting that a number of stations have disappeared since we were last there (this was the same time and same place as a year ago). I taped some more local ID's - I think I've got most of them now. Once again I could not hear the Armed Forces stn on 1340, even during a stop-over at the airport in Santiago. As much as I hear complaints from US DXers re. Cuban QRM, it really is unbelievable how the Cuban stations get decimated by US stations at night. Local stations from Holguin that are SIO 555 during the day are inaudible/undecipherable after sunset. Isn't it curious that most of the Floridians that are heard in Cuba during the day are the SS ones....or are any stns in Miami left that b/cast in EE, hi!? A couple of obvious differences from last year were the ease with which Jamaica could be heard on 580 (last year all I heard hear was R. Monte Cristi from Dom. Rep.), the appearance of local R. Angulo on 1110, R. Revolucion from Palma Soriano was very strong on 1200, local R. Musical on 1010 is now R. Relej, and R. Granma (1590) that was SIO 555 last year is off. I noted a Colombian audible all day on 1260 that was San Andres Island (I think this is a separate country on Merriman's list), but the other San Andres stations were inaudible. Here's the stuff in detail:

#### Cuban Daytime Bandscan by Jean Burnell, St. John's, Newfoundland

Guardalavaca, Province of Holguin, Cuba April 9-10, 1997 (checked during daytime only) Sony 2010, internal antenna

<u>Freq</u>	<u>Station</u>	<u>SIO</u>	<u>Notes</u>
530	R. Vision Cristiana TCA	555	
540	R. Rebelde	444	
550	R. Rebelde	242	RJR Montego Bay JMC 242
560	R. Rebelde	454	
570	R. Relej	454	
580	RJR Galina JMC	444	unID in SS 222
* 590	R. Rebelde	455	
600	R. Rebelde	311	transmitter problems
610.1	R. Rebelde	455	
620	R. Rebelde	455	
630	-		
640	R. Progreso	422	buzz possibly transmitted
650	R. Rebelde	444	
660	v. weak SS		
670	v. weak SS		
680	R. Rebelde	222	local noise
690	R. Progreso	344	
700	-		
710	R. Rebelde	555	
720	-		
730	-		
740	R. Progreso	444	WWNZ Orlando FL 222
750	-		
760	R. Relej	444	
770	-		
780	-		
790	WAXY South Miami FL	343	
800	R. Rebelde	222	unID in SS 222
810	R. Progreso	344	
820	R. Progreso	444	
830	WACC Hialeah FL	830	
840	"Dobleve"	242	
850	WEAT West Palm Beach FL	333	R. Progreso 222
860	-		
870	-		
880	-		
890	R. Progreso	444	


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900	R. Progreso	544	
910	-		
920	R. Reloj	354	
930	R. Reloj	354	
940	R. Reloj	433	WINZ Miami FL 422
950	R. Reloj	344	
960	R. Reloj	344	
970	-		
980	R. Reloj	444	La Voz del Niquel 444
990	-		
1000	-		
1010	R. Reloj	455	but absent at other times
1020	-		
1030	-		
1040	R. Victoria	444	WYFX Boynton Beach FL 322
1050	R. Victoria	455	
1060	-		
1070	CMKS	244	
1080	unID SS religion	244	
1090	-		
1100	R. Angulo	455	
1110.1	R. Angulo	555	
1120	-		
1130.1	R. Angulo	353	
1140	WQBA Miami FL	444	
1150	R. Bayamo	444	
1160	-		
1170	-		
1180	R. Rebelde	433	R. Marti Marathon FL 422
	// ineffectively jammed 9825		
1190	-		
1200	R. Revolucion	444	
1210	WCMQ Miami Springs FL	354	R. Revolucion 222
1220	-		
1230	unID EE	242	carries Florida Marlins baseball
1240	ZNS2 Nassau BAH	444	
1250	-		
1260	Caracol HJHU CLM	243	
1270	-		
1280	-		
1290	WBZI West Palm Beach FL 242		
1300	R. Enciclopedia	333	poor audio unID EE talk 222
1310	-		
1320	WLQY Hollywood FL?	243	Haitian programming
1330	-		
1340	R. Banes	455	
1350.9	R. Libertad	444	
1360	WKAT Miami FL	344	
1370	R. Cadena Agramonte	444	
1380	R. Cadena Agramonte	344	
1390	-		
1400	-		
1410	-		
1420	-		
1430	unID SS	242	
1440	-		
1450	unID SS	243	
1460	-		
1470	-		
1480	-		
1490	R. Mayari	555	
1500	R. Enciclopedia	243	



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1510	-	
1520	R. Baragua	242
1530	- 1540 ZNS1 Nassau BAH	555
1550	-	
1560	WAGL Lancaster SC	444
1570	weak EE	
1580	-	
1590	-	
1600	WPOM West Palm Beach FL 232	
*	unidentified SS stations are not R. Rebelde, R. Progreso or R. Reloj.	



Here are a few nighttime logs -- I hesitate to say "DX" because I suspect that these would be regularly heard at this location! No TA's heard this time. (Dates and times here are UTC.)

820.2 COLOMBIA R. Vigia (HJAD), 10 April, 0215 - Sports play-by-play "a travez de Todelar," ads; SIO 444 [JB-Cuba]

850 DOMINICAN REP. R. Clarin (HIAZ), Santiago, 10 April, 0205 - American League baseball play-by-play, Dominican ads, // 860 Santo Domingo; SIO 333 [JB-Cuba]

1010 COLOMBIA R. Reloj (HJOP), Barranquilla, 7 April, 0043 - LA dance mx, lots of "Radio Reloj" ID's; over the Cuban Radio Reloj, SIO 333 [JB-Cuba]

1050 MEXICO R. Pirata (XEQQO), Cancun, 7 April, 0200 - Disco mx, woman w/ ID. (Heard at other times with baseball play-by-play.) SIO 322 [JB-Cuba]

1130 DOMINICAN REP. R. Cadena de Noticias (HIRL), Santo Domingo, 7 April, 0152 - Lots of news, many ID's; SIO 444 [JB-Cuba]

1160 DOMINICAN REP. Radiolandia (HIBG), Santiago, 8 April, 0230 - Yankees baseball play-by-play, lots of ads for stores in Santiago, frequent ID's; SIO 343 [JB-Cuba]

Best wishes.....Jean  
Jean Burnell, St. John's, NF at Guardalavaca, Cuba, Sony 2010 <<jburnell@plato.ucs.mun.ca>>

# Formats

**Tony Fitzherbert**  
356 Jackman Avenue  
Fairfield, CT 06430-1728

*Changes in programming status; reported by listeners*

Welcome to the early summer Formats column. Most of the material is from the M Street Journal. After the annual railfan trip, covering California, I should have a rather comprehensive list of formats for AM stations around Los Angeles, San Diego, Oakland, and San Francisco, for all of us who would like to hear these stations on the East Coast.

The newest format to appear on AM radio has surfaced on WSRF-1580, Fort Lauderdale, which has dropped its brokered ethnic programming for all entertainment news, all to be supplied by Entertainment radio Systems. This station, by the way, has a most unusual transmitter site - eight very short closely spaced towers, including six in line, in a horse pasture west of Fort Lauderdale. And here we go with our usual collection of more mundane format changes, mostly fed by satellite from a variety of networks.

580	KRSA	AK	Petersburg	- Variety, MGS Contemporary Christian.
580	WBIL	AL	Tuskegee	- Black gospel.
610	CKRW	YT	Whitehorse	- Contemporary hits.
630	KWRO	OR	Coquella	- Talk, news from TV cable news.
670	WVNS	VA	Claremont	- New station, AP News.
690	KTCJ	MN	Minneapolis	- Classic country.
700	WGZS	AL	Dothan	- MGS Contemporary Christian // WIZB.
750	WRIK	IL	Brookport	- CHR // FM.
760	WBDN	FL	Brandon	- Tropical "Mega 760".
760	WCPS	NC	Tarboro	- News and talk.
780	WJAG	NE	Norfolk	- Talk "News Talk 78".
790	WTSK	AL	Tuscaloosa	- Black gospel.
810	CJVA	NB	Caraquet	- French AC // CKLE-FM.
820	KCBF	AK	Fairbanks	- WW-1 Oldies and swap shop from 9:00am to noon.
840	WVPO	PA	Stroudsburg	- Adult standards.



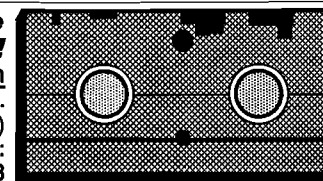
850	KJON	OK	Anadanko	- Sports.
860	KMVP	AZ	Phoenix	- Sports.
860	KSFA	TX	Nacagdoches	- News and talk // KEEE.
900	CJVI	BC	Victoria	- News and talk.
900	WDDT	MS	Greenville	- Black gospel // WJNS-FM.
900	WKAJ	NY	Saratoga Sprongs	- Adult standards.
900	WCBX	VA	Bassett	- Oldies.
900	KALT	TX	Atlanta	- Talk and Reach Southern Gospel.
940	WMWR	GA	macon	- Talk and sports.
980	KZXX	AK	Kenai	- Contemporary Christian.
980	WHSR	FL	Pompano Beach	- Brokered ethnic.
990	WBTE	NC	Windsor	- Black gospel // WBXB.
990	WVSC	PA	Somerset	- ABC Oldies.
1010	KTUR	UT	Tooele	- AP News.
1020	KFFR	AK	Eagle River	- Sports.
1020	WCIL	IL	Carbondale	- News and talk // WJPF.
1050	KOFY	CA	San Mateo	- To become sports in July.
1050	WGAT	VA	Gate City	- Southern gospel and country music.
1070	WSCP	NY	Sandy Creek	- JSN Country // FM.
1080	WWDR	NC	Murfreesboro	- Prime Sports.
1090	KRPM	WA	Seattle	- Hot AC // KBKS "Kiss 106.1".
1100	WCGA	GA	Woodbine	- Talk.
1110	WNNW	NH	Salem	- Tropical and HSN Spanish Contemporary.
1130	KSDO	CA	San Diego	- Financial news and talk.
1130	WSDM	IN	Brazil	- Talk.
1140	KCHE	TX	Conroe	- Black gospel.
1140	KJSA	TX	Mineral Wells	- Country music and Spanish programming.
1150	KIMM	SD	Rapid City	- Classic country.
1160	WYNS	PA	Lehighton	- Country music.
1170	WKLN	FL	St. Augustine Beach	- WW-I Adult Standards and talk.
1170	WBRW	NJ	Bridgewater	- Adult contemporary.
1220	KBNO	CO	Denver	- JSN Regional Mexican.
1220	WKDR	OH	Cleveland	- Sports and now Imus in the AM.
1230	WNUZ	AL	Talladega	- Black gospel.
1230	WNTR	MD	Cumberland	- Talk and One on One Sports.
1230	KSST	TX	Sulphur Springs	- Classic country and adult standards.
1240	WSQL	NC	Brevard	- AC - CWM blend and talk.
1250	WHNY	MS	McComb	- ABC Adult Contemporary.
1270	KDJI	AZ	Holbrook	- JSN Oldies.
1280	KEAN	TX	Abilene	- Sports, two networks.
1300	WKCY	VA	Harrisonburg	- WW-I Adult Standards.
1310	WCGR	NY	Canandaigua	- Soft adult contemporary.
1330	WEBY	FL	Milton	- Talk.
1330	KGAK	NM	Gallup	- News, talk, sports talk, ethnic.
1330	WSPQ	NY	Springville	- Country music.
1340	KOMY	CA	Watsonville	- Talk // KSCO-1080, Santa Clara.
1350	WTZK	NC	Black Mountain	- Contemporary Christian and talk.
1350	KTXJ	TX	Jasper	- News and talk.
1370	KKSJ	CA	San Jose	- Brokered Asian.
1370	WABD	KY	Fort Campbell	- Urban Contemporary.
1380	KTKZ	CA	Sacramento	- Religion and MGS Contemporary Christian.
1390	KUCU	NM	Hobbs	- Classic country.
1390	WLAN	PA	Lancaster	- WW-I Oldies.
1390	WHPB	SC	Belton	- Black gospel.
1400	WEOA	IN	Evansville	- ABC Urban AC.
1400	WALZ	ME	Machias	- Adult contemporary.
1400	WLLH	MA	Lowell	- Adult standards, Spanish evenings and weekends, jazz overnights.
1400	WZNG	TN	Shelbyville	- Branson Country Music.
1400	KHSP	TX	Texarkana	- MGS Contemporary Christian.
1400	KVOU	TX	Uvalde	- JSN Country Music.
1400	KSRR	UT	Provo	- Soft adult contemporary.
1410	KTME	CA	Lompac	- ABC Oldies.

1410	WSTN	TN	Somerville	- Contemporary Christian and Black gospel.
1410	WELM	NY	Elmira	- Sports and One on One Sports.
1420	WVJS	KY	Owensboro	- Talk and WW-I Adult Standards.
1420	WCOJ	PA	Coatsville	- Oldies.
1430	WNAV	MD	Annapolis	- Adult alternative.
1430	WBRL	SC	Batesville	- WW-I Standards and talk.
1430	WMAK	TN	Madison	- News // TV Channel 5, and cable TV news.
1440	KINF	TX	Denton	- Spanish Religion.
1450	WSTU	FL	Stuart	- Finance and health talk.
1450	WKEU	GA	Griffin	- News, talk, and WW-I Oldies.
1450	WMIQ	MI	Iron Mountain	- Talk.
1450	WHIM	RI	Warwick	- JSN Classic Country.
1470	KNXN	AZ	Sierra Vista	- Regional Mexican.
1470	WWNN	FL	Pompano Beach	- Motivational talk, here from 980. (Drat, I can't hear it on my car radio in CT! - TF).
1470	WCLA	GA	Claxton	- Black gospel.
1470	WLMC	SC	Georgetown	- Black gospel, SGN Gospel.
1480	WODX	FL	Marco	- Talk.
1480	KLVL	TX	Pasadena	- Tropical.
1490	WHAV	MA	Haverhill	- Spanish talk and HSNM Spanish Contemporary.
1510	WNRB	MA	Boston	- Religion, Spanish from 2300-0600.
1520	WRSL	KY	Stanford	- JSN CD Country // FM.
1540	KTNO	TX	Fort Worth	- ABC Motivational. (Another one I would like to hear on my car radio! TF).
1550	KPIX	CA	San Francisco	- Now country music // KYCY.
1550	WSHN	MI	Fremont	- News, talk, CNN News.
1560	KDDA	AR	Dumas	- ABC Urban AC // KZYP.
1560	WQXY	KY	Hazard	- JSN Oldies.
1560	KLTI	MO	Macon	- WW-I 1970's Oldies.
1560	KILE	TX	Bellaire	- Brokered ethnic.
1570	CKTA	AB	Taber	- Oldies.
1580	WTCL	FL	Chattahoochee	- Talk and urban.
1580	WNTF	FL	Mount Dora	- Talk // WPGS.
1580	KCHA	IA	Charles City	- News, talk, CNN News.
1580	WVZA	PA	Columbia	- Variety.
1590	KYDE	AR	Pine Bluff	- Black and southern gospel.
1590	KXSP	CA	Ventura	- Ranchero.
1590	WAUB	NY	Auburn	- JSN Adult Standards.
1590	WCHB	PA	Chambersburg	- News, talk, sports.
1590	WDBL	TN	Springfield	- Country music and urban contemporary.
1600	KMDO	KS	Fort Scott	- Oldies // KOMB-103.9.
1600	WKBJ	TN	Milan	- WW-I Country Music // WHVR.

All for now! Do get your area's format changes in via US Mail or via akftrain@aol.com. 73's.

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# Target DX

*DX'ing 'smart', with shared tips and requests by NRC members*

**Bruce Conti** BACONTI@aol.com  
46 Ridgefield Drive  
Nashua, NH 03062-1174

Probably the most common problem faced by AM broadcast band DXers is electrical noise. There may be some types of noise upon which the DXer cannot take immediate action. Problems such as arcing power lines, a defective street lamp, or a neighbor's light dimmer will all require some time and diplomacy to resolve. But in many cases the noise is directly related to antenna mismatch and noise pick-up from sources within the home. Much of the household electrical interference can be eliminated simply by locating a longwire antenna away from the house, and employing antenna matching and noise reduction techniques.

## Antenna Matching

Antenna matching improves the efficiency of a wideband longwire antenna, by matching the relatively high impedance of the antenna to the low 50-ohm input impedance of a receiver. Improved efficiency means that signals intercepted by the antenna are delivered to the receiver with minimal signal loss. In other words, a mismatched antenna will result in degradation of signals from the antenna to the receiver. And although antenna matching may seem less critical for AM broadcast band reception than at higher frequencies (just throw a length of wire out the window and you'll hear AM DX), it's nonetheless important for successful DX listening beyond the usual clear channel and regional signals that can be heard on any car radio.

## Noise Reduction

Installation of a matching transformer can also provide noise reduction through ground isolation. The only requirements are that the antenna can be located a minimum of about 20 feet from the house, and that the matching transformer can be configured for ground isolation. Many of the commercially available matching transformers or baluns for SW and ham radio applications do not provide a means for ground isolation; antenna ground and lead-in ground are electrically common or physically connected. Winding your own toroidal transformers, or use of off the shelf components like Mini-Circuits RF transformers are recommended. Transformer winding is a topic worthy of discussion on its own, perhaps in a future edition of Target DX.

## Selecting A Transformer

Longwire antenna impedance is typically around 950 ohms at resonant frequency. However, for broadband reception covering LW, MW, and SW, it has been found that use of a 4:1 matching transformer provides for better performance over the entire frequency range of 100 kHz to 30 MHz. While there may be some roll-off at the higher SW frequencies (greater than 5 kHz) due to the characteristics of the antenna itself, roll-off can be more pronounced with a 9:1 transformer and longwire antenna when well beyond the resonant frequency of the wire. But if you have no interest in DXing above 1700 kHz, then try some experiments with 4:1 and 9:1 transformers, or other ratios, as performance will vary with antenna wire length, configuration, and ground conductivity. For Beverage antennas, where the desired frequency of reception determines the length of the wire, a 9:1 transformer will provide a good match at the resonant frequency. And because Beverage antenna signal strength or signal-to-noise is excellent anyway, performance will be admirable across the LW and MW bands regardless of whether a 4:1 or 9:1 transformer is used.

Frequency characteristics are important. When selecting an RF transformer or ferrite for winding your own transformers, pay particular attention to frequency specifications. Mini-Circuits 4:1 transformer T4-6 for example is specified for RF applications over a frequency range of 0.02 - 200 MHz, with 1 dB mid-band insertion loss 0.1 - 100 MHz, which is well within the frequency range of interest. Toroidal or balun-style ferrites will have similar frequency specifications defined in manufacturer data sheets and catalogs.

## Installation

A typical installation is shown in Figure 1. The high impedance side of the matching transformer is connected to the antenna and remote ground. The low impedance side is connected across the center conductor and shield of a 50-ohm coax lead-in cable to the receiver. The antenna should be located at least 20 feet away from the house, power lines, and other sources of noise. Conduct a noise survey simply by walking around the premises with a portable receiver tuned to an open frequency to determine the most quiet location for an antenna. If your home is a

particularly noisy environment, you should notice a dramatic difference in noise levels just a few feet away. Antenna length is recommended to be 100 feet or greater for MW DXing, although a length as short as 50 feet will still result in improved reception. The remote ground at the transformer can be a ground rod, ground radials, or some combination of the two. Grounding is important for the matching transformer to function properly. It's usually easy to determine if you have a poor ground, as noise will likely increase significantly if the ground isn't working. A 50 to 100-foot heavy gauge wire buried just a couple of inches underground and parallel to the antenna wire will do the job. If you use a separate grounding system for the receiver, keep it separated from the antenna grounding scheme. Experiment with different ground connections to learn how interactions affect noise. Noise reduction can easily be defeated by inadvertent ground loops. If located in an area susceptible to lightning, installation of a gas-discharge tube or neon bulb (Mouser/Radio Shack 120 NE2H or equivalent) across the antenna side of the transformer (antenna to remote ground) is suggested as a measure of ESD and lightning protection for the transformer and receiver. The 50-ohm coax lead-in from the transformer to the receiver should be buried to reduce the potential for pick-up of noise on the shield, and in cases where especially long antenna wires (greater than 500 feet) are used, the buried cable will provide an additional level of safety against the increased risk of lightning strikes.

Household electrical noise should disappear like magic with implementation of this simple yet effective strategy. Even noise generated by color television will be subdued. Once the basic noise-reduced antenna is installed, consider experimenting with other options to enhance performance. Sometimes further isolation using a 1:1 transformer at the receiver and another ground rod or radial for the coax shield will take out any remaining ground currents that may contribute to noise. The addition of an L-C tuner or notch filter can help remove unwanted harmonics or spurs from local stations. But hopefully you will learn of the importance of an outdoors antenna wire with matching and noise reduction as the primary defense against household electrical noise. Please keep us informed of any results you may experience, either via Musings or Target DX. 73

## References

*RF/IF Designer's Handbook*, Mini-Circuits, P.O. Box 350166, Brooklyn, NY 11235-0003 (718)934-4500.

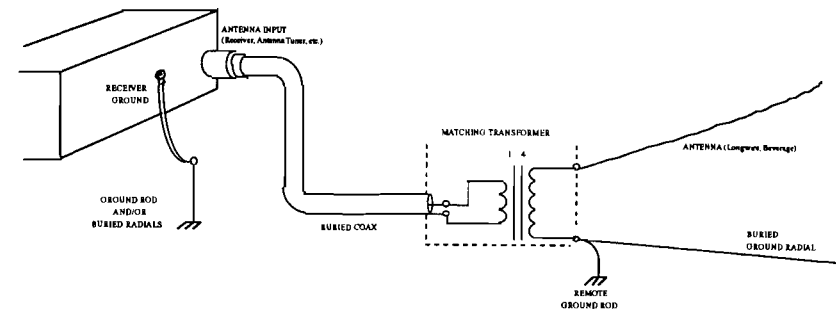


Figure 1: Typical Longwire Noise Reduction Scheme.



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*Network listings for team sports stations*

Here is one major League Baseball list that Paul was unable to squeeze into my last column. **Kansas City Royals 1997** Denny Mathews, Fred White, John Wathan, Paul Splittorf (from a newspaper [KC Star?] via J. E. Lewis)

Note that while this list did not specify the number of games that each station broadcasts, the 1996 Royals' list on the WWW did specify this information. I am assuming that not all of these stations broadcast all of the Royals' games, but I cannot use last year's list as a guide. (Note: The Royals have signed an agreement with the parent company of KMBZ-980 for KMBZ to take over the flagship duties from WIBW, which has originated the Royals' broadcasts for 27 years, so this list may change drastically next year - including the announcers -pls.)

560	KWTO-MO	1230	KTNC-NE	1440	KCHE-IA	1600	KTTN-MO	99.9	KBFL-MO
580	WIBW-KS *	1240	KIUL-KS	1450	KWBW-KS		KNCY-NE		KHST-MO
620	KMNS-IA		KNEM-MO		KOKO-MO		100.1		KRLK-MO
680	KFEQ-MO		KFOR-NE		KLMX-NM	92.1	KCHE-IA	100.9	KCLY-KS
690	KGGF-KS		KADS-OK		KBFS-SD N		WCAZ-IL	101.1	KFNF-KS
750	KJEL-MO	1270	KTRT-OK M		KYNT-SD		KMZA-KS	101.7	KIND-KS
790	KXXX-KS	1290	KWLS-KS	1460	KKOY-KS		KKTN-MO	102.9	KMMO-MO
860	KKOW-KS	1300	KMMO-MO	1470	KAIR-KS		KMOE-MO	103.1	KNDY-KS
880	KRVN-NE	1310	KGMT-NE		KYUU-KS	92.3	KKOZ-MO	103.7	KIRK-MO
960	KMA-IA	1330	KTOD-AR	1490	KDMO-MO	93.3	KESE-AR	103.9	KNZA-KS
	KNEB-NE	1340	KGFW-NE		KDRO-MO	93.5	KLKC-KS		KOMB-KS
980	KMBZ-MO	1350	KMAN-KS		KTTR-MO		KWME-KS		KCHI-MO
990	WCAZ-IL	1360	KSRX-KS		KBIX-OK	94.5	KSKL-KS		KNLV-NE
	KRSL-KS	1370	KGNO-KS		KOKC-OK	95.3	KCKS-KS	105.5	KELR-IA
	KRMO-MO	1390	KNCK-KS	1530	KMAM-MO		KDKD-MO		KKOY-KS
1010	KCHI-MO	1400	KAYS-KS	1540	KLKC-KS		KNIM-MO	106.3	KYOO-MO
1060	KNLV-NE		KVOE-KS		KNGL-KS	95.9	KCAY-KS	106.7	KFXS-KS
1150	KWKY-IA	1410	KQAM-KS	1550	KKLE-KS		KAAN-MO		
1150	KRMS-MO								
	KSAL-KS	1420	KJCK-KS	1560	KQYX-MO	96.7	KBBE-KS		
1190	KJEM-AR		KULY-KS	1580	KNIM-MO	97.7	KNCY-NE		
	KVSV-KS		KBTN-MO	1590	KVGB-KS	99.3	KUTT-NE		
1200	KYOO-MO	1430	KKOZ-MO	1600	KMDO-KS	99.7	KTTR-MO		

Here is National Football League flagship information from a "Sporting News Review" 1997 book via Ken Onyschuk and from the WWW (<http://home.att.net/~stevephilips/radioflagship.html>).

I found some announcers names on the WWW. I have listed "(EE)" for those teams that also had foreign language broadcasts last season; neither Ken nor the WWW listed any foreign language information, and I am not sure if there are any this year. Again this year CBS Radio Sports will be broadcasting the Sunday evening and Monday evening games. I assume they will be broadcasting all the non-Sunday games. This year's network consist has not yet been posted on their WWW site.

Arizona Cardinals	96.9	KHTC-AZ	(EE)
Atlanta Falcons	92.9	WZGC-GA	(EE)
Baltimore Ravens	1300	WJFK-MD	[KO] (a)
	106.7	WJFK-VA	[WWW] (a)
Buffalo Bills	930	WBEN-NY	Van Miller, John Murphy Carolina
Panthers	1110	WBT-NC	Gerry Vallaincourt, Brett McMillen, Gerry Vallaincourt, Brett McMillen, Roman Gabriel, Bill Rosinski, Jim Szoke
Chicago Bears	670	WMAQ-IL	(b) Wayne Larrivee, Hub Arkush, Tom Thayer
Cincinnati Bengals	1160	WBOB-KY	
	105.1	WUBE-OH	
Dallas Cowboys	103.7	KVIL-TX	(EE) (c)

Denver Broncos	850	KOA-CO	(EE) Detroit Lions
	1270	WXYT-MI	Mark Champion, Jim Brandstatter
Green Bay Packers	620	WTMJ-WI	Jim Irwin, Max McGee, Larry McCarren
	1250	WEMP-WI	(when Brewers on WTMJ)
Indianapolis Colts	1070	WIBC-IN	
	93.1	WNAP-IN	
Jacksonville Jaguars	690	WOKV-FL	Brian Sexton, Matt Robinson, Deron Cherry
			Mitch Holthus, Len Dawson, Bill Bob Gretz Miami Dolphins (EE)
Kansas City Chiefs Grigsby,	101.1	KCFX-MO	
	560	WQAM-FL	
Minnesota Vikings	830	WCCO-MN	
	102.1	KEEY-MN	(when conflict with Twins)
New England Patriots	104.1	WBCN-MA	Gil Santos, Gino Cappelletti
New Orleans Saints	870	WWL-LA	
New York Giants	102.7	WNEW-NY	
New York Jets	660	WFAN-NY	
	?		(when conflict with Mets)
Oakland Raiders	93.3	KYCY-CA	[KO] maybe (d)
	1050	KOFY-CA	[WWW] (d)
Philadelphia Eagles	94.1	WYSP-PA	
Pittsburgh Steelers	1250	WTAE-PA	Bill Hilgrove, Myron Cope, Merrill Hoge
Saint Louis Rams	550	KTRS-MO	
San Diego Chargers	690	XETRA-BC	
San Francisco 49ers	810	KGO-CA	
Seattle Seahawks	710	KIRO-WA	
	950	KJR-WA	(when Mariners on KIRO)
Tampa Bay Buccaneers	99.5	WQYK-FL	
Tennessee Oilers	104.5	WRVR-TN	[KO]
	104.5	WGFX-TN	[WWW]
Washington Redskins	106.7	WJFK-VA	[KO? & WWW]
	101.9	WLIF-MD	[KO?]

(a) The two lists differ as to the Redskins' flagship station. Ken was not sure if it is WJFK (FM) or WLIF. For details on WJFK-MD (AM) and WJFK-VA (FM) see a previous column. A friend who lives in the DC area (but who is not a sports fan) thinks the flagship is WJFK-FM. (b) The WWW list has last year's information for the Chicago Bears. This leads me not to trust the WWW list 100% [as with any information found on the Web]. (c) Ken was not sure of the Cowboys' flagship station. The WWW and the *Dallas Morning News* list 103.7 KVIL. (d) As for the Raiders' flagship Ken was not sure if it was KYCY. The WWW list has "THE TICKET-AM 1050", which I assume is KOFY in San Mateo (correct -pls). The "Log 17" does not list this slogan for KOFY.

Here are the first of the 1997 NFL network lists. Please send me any others that you may have, or send me the URLs of any you find on the WWW.

**Buffalo Bills 1997** Van Miller, John Murphy (from <http://www.wben.com>)

570	WSYR-NY	1060	WPIE-NY	1240	WJTN-NY	1410	WDOE-NY	
590	CJCL-ON	1140	WCJW-NY	1300	WQBK-NY		WELM-NY	93.3
680	WINR-NY	1180	WHAM-NY	1330	WSPQ-NY	1420	WACK-NY	95.7
930	WBEN-NY *	1240	WATN-NY	1380	WABH-NY	1450	WODZ-NY	

**Detroit Lions 1997** Mark Champion, Jim Brandstatter (from <http://www.wxyt.com/htmls/sports/aff.html>) (All stations and cities subject to change.)

580	WTIQ-MI	940	WCSY-MI	1360	WKYO-MI	1450	WKLA-MI	94.9
	WTCM-MO	970	WKHM-MI	1370	WKJF-MI		WNBY-MI	95.3
590	WJMS-MI	1100	WJML-MI		WSPD-OH	1460	WBRN-MI	97.1
	WKZO-MI	1230	WSOO-MI	1380	WPHM-MI	1490	WABJ-MI	98.3
730	WVFN-MI	1270	WXYT-MI *		WPLB-MI	1530	WLSP-MI	101.1
830	WMMI-MI	1300	WOOD-MI	1400	WCCY-MI	1600	WAAM-MI	101.5
850	WKBZ-MI	1320	WDMJ-MI	1440	WMAX-MI		104.7WKJC-MI	910
	WFDF-MI	1340	WAGN-MI		WMAX-MI	92.1	WCSR-MI	WYKX-MI
930	WBCK-MI		WCSR-MI	1450	WHTC-MI	93.5	WNBY-MI	

The Packers Radio Network 1997 Jim Irwin, Max McGee, and Larry McCarren (from <http://www.620wtmj.com>)

550	WSAU-WI	1230	WCLO-WI	1440	WNFL-WI	93.3	WBSZ-WI	100.1	WDDC-WI
570	WMAM-WI	1240	WIAM-WI	1450	KFIZ-WI	93.5	WZRK-MI		WRHN-WI
580	WKTY-WI		WJMC-WI		WDLB-WI	93.7	WEKZ-WI	100.7	WBIZ-WI
590	WJMS-WI		WOBT-WI		WRCO-WI	94.3	WPRE-WI	100.9	WRCO-WI
620	WTMJ-WI*		WOMT-WI	1490	WGEZ-WI	95.1	WLST-WI	101.5	WJNR-MI
680	WDBC-MI	1280	WGLR-WI	1550	WEVR-WI	95.9	WMQA-WI		WIBA-WI
710	WDSM-WI	1310	WIBA-WI	1570	WMQA-WI	96.3	WJMC-WI	102.3	WHTL-WI
880	WMEQ-WI	1320	WFHR-WI	1590	WIXK-WI	97.1	WCOW-WI	104.9	WNFM-WI
940	WFAW-WI	1350	WPDR-WI			98.7	WCQM-WI	105.3	WRLO-WI
960	WTCH-WI	1380	WFCL-WI	92.1	WRLS-WI	99.3	WIGM-WI	106.3	WEVR-WI
980	WPRE-WI	1400	WATW-WI	92.3	WJMQ-WI		WOWN-WI	106.5	WWJR-WI
1010	WSPT-WI		WBIZ-WI		WJPD-WI	99.5	WPKR-WI	107.1	KFIZ-WI
1150	WHBY-WI		WRDB-WI	92.7	WDUX-WI	99.7	WIMI-WI		WIXK-WI

Indianapolis Colts 1997 (from pocket card via Rick Dau)

640	WBOW-IN	1270	WGOM-IN	1490	WDAN-IL	92.1	WZDM-IN	95.7	WLRX-IN
930	WHON-IN	1340	WBIW-IN	1510	WAYT-IN	92.7	WSKT-IN	95.9	WEFM-IN
1010	WCSI-IN		WXFN-IN	1550	WCVL-IN	93.1	WNAP-IN	97.5	WGBD-IN
1070	WIBC-IN*	1350	WIOU-IN		WMDH-IN	93.4	WREB-IN	105.1	WGCT-IN
1190	WOWO-IN	1440	WPGW-IN			94.3	WRCR-IN	106.5	WWBL-IN
1230	WTCJ-IN	1480	WRSW-IN	92.1	WROI-IN	95.3	WNDI-IN	107.7	WMRS-IN

Kansas City Chiefs 1997 Mitch Holthus, Len Dawson, Bill Grigsby, Bob Gretz (from <http://www.kcfx.com/> and from KCFX [via USPS]) The printed list is dated 26-Aug-97 and contains differences from the list on the WWW. The WWW list is undated, and may be last year's list. Below is from the printed list.

580	WIBW-KS	1300	KAKC-OK	1490	KOSR-NE	93.5	KYLC-MO	100.9	KCLY-KS
690	KGFF-KS	1320	KLWN-KS	1510	KANS-KS	93.9	KLSC-MO	101.1	KCFX-MO*
870	KAAN-MO	1330	KUKU-MO <sup>e</sup>	1540	KLKC-KS	94.5	KRXL-MO	102.9	KMMO-MO
910	KINA-KS	1350	KMAN-KS	1550	KKLE-KS	95.3	KDKD-MO	103.1	KNDY-KS
930	WTAD-IL	1360	KSCJ-IA		KAPE-MO	95.5	KAAN-MO	103.3	KJLS-KS
990	KRMO-MO	1400	KWON-OK	1580	KCHA-IA	96.3	KRZZ-KS	103.9	KNZA-KS
1130	KLEY-KS	1420	KJCK-KS	1600	KMDO-KS	97.3	KKJQ-KS		KOMB-KS
1150	KWKY-IA		KBTN-MO		KNCY-NE		WIBW-KS	104.9	KBRS-AR
1220	KJAN-IA	1450	KWBW-KS	680	KFEQ-MO		KXUS-MO		KFFX-KS
1230	KLWT-MO		KIRX-MO			99.1	KSEK-KS	105.3	KOCD-KS
	KWAS-MO		KOKO-MO	92.1	KMZA-KS	99.9	KBFL-MO	105.5	KKOY-MO
	KTNC-NE	1460	KKOY-KS		KSDL-MO	100.1	KJMO-MO		KNCY-NE
1240	KFOR-NE	1470	KAIR-KS	92.5	KQMA-KS	100.3	KUKU-MO	107.7	KSZY-NE
1300	KMMO-MO	1490	KTTR-MO	93.5	KLKC-KS	100.7	KHOK-KS		

New England Patriots WBCN Rock Radio Network 1997 Gil Santos, Gino Cappelletti (from <http://www.wbcn.com>)

550	WDEV-VT	1220	WKBK-NH	1390	WKDR-VT	1520	WGAM-MA	101.5	WBHG-NH
560	WHYN-MA	1230	WMOU-NH	1400	WHMP-MA		101.7WOZI-ME	580	
	WTAG-MA		WERI-RI		WIDE-ME	92.7	WKVT-VT	101.9	WCIB-MA
610	WGIR-NH	1240	WBSM-MA		WLTN-NH	93.5	WKFR-VT	102.5	WQSS-ME
620	WZON-ME		WOON-RI		WTSL-NH	95.3	WCQL-NH	103.1	WPME-ME
790	WLKW-RI	1280	WEIM-MA	1420	WBEC-MA	96.1	WDEV-VT	104.1	WBCN-MA
*800	WLAD-CT	1340	WSTJ-VT	1440	WLPZ-ME	97.7	WINQ-MA	107.7	WMDI-ME
980	WSUB-CT	1350	WINY-CT	1480	WSAR-MA	99.3	WHMP-MA		
1160	WSKW-ME	1370	WBTV-NH	1490	WIKE-VT	100.1	WPNH-NH		

<sup>e</sup> The Chiefs' WWW list has 1330 KUKU-MO, while the printed list has a typo 1300 KUKU-MO.

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## MFJ-1026 Phasing Unit ... A Medium Wave DXer's Review

Mark Connelly, WA1ION

A recently-released product has been getting quite a bit of attention in radio-related E-mails, Internet bulletin boards, Web pages, magazines, and personal correspondence. The device is the MFJ-1026, described as a "Deluxe Noise Cancelling Signal Enhancer" by its manufacturer MFJ Enterprises, Inc. (see company address information at the end of the article). DXers will recognize the MFJ-1026 as a "phasing unit". The list price is US \$ 139.95; outlets such as R & L Electronics of Ohio are selling it at prices as low as \$ 115. It offers the ability to null interference, whether from electrical noise sources or actual transmitters. This is accomplished by creating a 180 degree phase shift between two antennas that are presenting equal-amplitude "pest" signals that cover desired DX. There is a similar model, MFJ-1025, which does not have the built-in whip / preamplifier option. The '1025 sells for about \$ 20 less.

A little bit of phasing unit history is in order here. Phasing units have been around for a long time, but most of these have been homebrew models built by a few dedicated DXers. In the 1960's, I built some hit-or-miss L-C-R tuners / combiners to use at my Menotomy Rocks Park antenna farm and by the early '70s I had one of Gordon Nelson's boxes up and running ahead of my R-390A. Master Trans-Atlantic DXer Bill Bailey was also using a Nelson-built box at the time. 160-m hams such as Victor Mizek were also experimenting with phasing circuits for steerable nulls. Producing a null in the opposite direction of a peak turned out to be a big advantage over loops, especially in hearing European stations here in the Boston area with the New York City (and other) "pests" off the back of the beam. In the early '80's, moving onward from the L-C-R units, Gerry Thomas took a bold step into broadband phasing with his delay-line-based Phase One. His research led to my DL-1, DL-2, and DCP-2 models. In the U.K., Graham Maynard became well known for the units he built. As the 1990's opened, there was still very little in the way of commercially-available hardware despite the fact that many of the serious international DXers were using the homebrew units both at home and on Beverage DXpeditions to hear exotic stations that could not have been logged any other way. A device called the S.E.M. QRM Eliminator had minimal promotion and little market penetration. It used a tapped delay-line in a circuit similar to Gerry Thomas's Phase One. By 1993 (I think), the JPS ANC-4 model came onto the scene. In a trend that has followed all of the commercial units, advertising pointed out that elimination of local electrical noise was the primary use. One channel of the ANC-4, therefore, was a very-high-gain stage driven by a short "noise gathering" whip. This arrangement didn't seem particularly well suited to the DXer's more common objective of using two similar fairly-low-noise good-gain outdoor antennas to phase in order to remove co-channel (or adjacent channel) interfering STATIONS rather than NOISE. Noise was often easily discarded by using noise-reducing balun transformers with "quiet grounds". This idea - promoted by Dallas Lankford, Nick Hall-Patch, and others - can get electrical noise out of the equation even ahead of the phaser, leaving it with the considerably more interesting job of removing dominant stations. A few DXers got ANC-4's, but the unit was prone to overload on its so-called "noise" channel and nulls seemed to be hit-or-miss because of sometimes-inadequate level-balancing and phase-adjusting range. Demand for homebrew units continued unabated as Al Merriman and I can testify.

In 1997, the MFJ-1026 has made a big "splash" because it is likely the first widely-available commercially-produced antenna phasing unit that can be made to work for medium-wave DXers. I say "can be made to work" because some modifications must be made to the stock version unit available at the time of this writing.

The "long and the short of it" is that the brochure advertising the unit claims performance "down to VLF", customarily taken to be 10 kHz or so, when several E-mail communications with MFJ personnel indicated that the unit comes equipped with high-pass input filtering designed to attenuate frequencies below the 160-m ham band. Indeed the lower one goes below 1.8 MHz with the stock unit, the worse the insertion loss gets. Measurements taken here indicate losses of 8 dB at 1600 kHz, 16 dB at 1000 kHz, and 27 dB at 530 kHz. By the time you get down to the 153 - 279 kHz European longwave broadcast band, the thing has so much loss (over 35 dB) that it might as well be a dummy load.

Aside from the insertion loss, inadequate phase shifting range on lower frequencies was encountered in some situations. Oscilloscope testing showed approximate phase shift ranges as follow: 200 kHz = 65 deg., 400 kHz = 94 deg., 600 kHz = 113 deg., 800 kHz = 125 deg., 1100 kHz = 150 deg., 1500 kHz = 156 deg., and 2000 kHz = 169 deg. With the SW3 Phase Normal / Invert switch of the MFJ-1026, dependable nulls could be produced if the R16 phase range control gave 180 degrees of adjustment. It turns out that if you can easily swap the two inputs, a phase shift adjustment range of as little as 90 degrees will produce nulls.

Fortunately the modifications that have to be made to give the MFJ-1026 competent performance from 300 to 1800 kHz are quite simple. The MFJ-1026 schematic is shown on page 12 of the instruction manual supplied with the unit. The circuit board is well marked with the component

designators. Modification 1 will increase sensitivity below 2 MHz:

\* Remove L3, L4, R26 (main input channel); L5, L6, R27 (auxiliary input channel) \* Change C8 and C16 from 680 pF to .01 uF

Modification 2 (swap switch) will ensure adequate phase shifting range above 300 kHz (these instructions may differ from prior E-mail postings):

\* A double-pole / double-throw (DPDT) "swap switch" (Radio Shack 275-614, or equivalent) is added in available space near the upper right hand corner of front panel. \* Separate the middle pin (wiper arm) of each antenna gain pot from the circuit board: these are R20 (Auxiliary Antenna Gain) and R9 (Main Antenna Gain). \* Install a wire from the R20 middle pin to swap switch section #1 arm. \* Install a wire from the R9 middle pin to swap switch section #2 arm. \* Install a short wire from swap switch section #1 "normal" contact to swap switch section #2 "swapped" contact. \* Install a short wire from swap switch section #2 "normal" contact to swap switch section #1 "swapped" contact. \* Locate the Q5 and Q8 transistors. Each of these transistors has one side having two leads (these are the drain and source leads). The other side of each transistor has a single lead (the gate lead). Solder pads are located on plated-through holes immediately adjacent to the Q5 and Q8 gate leads. These pads will be wired to the swap switch in the next two steps. \* Install a short wire from swap switch section #1 "normal" contact to the plated-through hole solder pad that connects through the circuit trace to the Q8 gate lead. Alternately, instead of going to that point, you could wire to the circuit board pad which had previously been wired to the now-cut R20 arm pin. \* Install a short wire from swap switch section #2 "normal" contact to the plated-through hole solder pad that connects through the circuit trace to the Q5 gate lead. Alternately, instead of going to that point, you could wire to the circuit board pad which had previously been wired to the now-cut R9 arm pin. With the DPDT switch set to "normal", the switch completes the previously-wired paths: R20 arm to Q8 gate; R9 arm to Q5 gate. In its "swapped" position, the R20 arm gets connected to the Q5 gate and the R9 arm gets connected to the Q8 gate.

A couple of minutes spent studying the schematic and board layout should make it obvious how to install these modifications. An additional modification suggested by Al Merriman is to remove the existing two Antenna Gain knobs and the one Phase Control knob and substitute larger knobs, such as Radio Shack part number 274-416 (diameter = 1" = 2.54 cm).

So now you've got the modifications installed and it's time to put the unit into use. If you're using two relatively short antennas, these should be run out at a right angle to each other to prevent collateral nulling of both desired DX stations and "pests". With two wires at a right angle, the best null / peak axis will be along the bisector (the line that divides the angle in half). Longer antennas (over 150 m / 500 ft.) can be run closer to parallel and still produce good nulls, especially if there is some separation (1/8 wavelength or so) between them or if they are of somewhat different lengths or if one is terminated and the other is not. E-mail correspondence with Tom Rauch (W8JL) brought up another interesting possibility. If two similar small active broadband antennas (eg. MFJ-1024 whips) are separated by 1/16 to 1/4 wavelength, good nulling performance can be expected. The line drawn between the two antennas would describe the best peak / null axis of cardioid patterns to be produced. One-sixteenth wavelength at 500 kHz (or 1/4 wavelength at 2000 kHz) turns out to be  $600/16 = 37.5 \text{ m} = 123 \text{ ft.}$  Using two broadband active whips (with coaxial feedlines of about 19 m each) wouldn't be a difficult experiment to try. The Robbins Road DXpedition site in Plymouth, MA would be ideal because the road has no power lines along it and its orientation is on an approximate 70 deg. / 250 deg. bearing axis (degrees clockwise from due north). One whip 19 m along the road ahead of the car could be phased against the other one 19 m behind it. This should be quite effective for nulling out NY/NJ/PA/OH domestics (at about 250 deg.) to clean up Europeans coming in on bearings of about 70 deg. Tom Rauch also mentioned using broadband loops instead of broadband whips, but I haven't had much experience with untuned loops that have both high sensitivity (low noise floor) and good strong-signal handling characteristics (minimal intermodulation products). Two broadband loops could be spaced 1/16 to 1/4 wavelength and oriented the same way, or they could be located closer to each other and pointed at a right angle to each other as in the old "goniometers". Also, a co-located active whip / broadband loop could be used for loop-sense cardioid array (LSCA) operation (a la Ron Schatz).

The MFJ-1026 can be operated with a ham transceiver as it has built-in transmit / receive (T/R) switching on its main antenna input. I suspect that the reviews of the unit in amateur magazines such as QST and CQ will cover this aspect of operation.

The auxiliary channel input can be from the built-in whip antenna (that goes through an internal preamplifier) if the front panel Pre-Amp switch is set to ON. Otherwise, whatever antenna you've connected to the rear panel auxiliary antenna jack will be fed to the Auxiliary Antenna Gain pot. I have phased the whip against Main antenna inputs ranging from tuned loops to untuned random wires. The internal whip on a modified MFJ-1026 has reasonably good sensitivity, especially above 800 kHz. Even at 530 kHz, the internal whip was able to discern Turks & Caicos at threshold level (about S2 to S3) on groundwave from a receiving site in Harwich, MA on Cape

Cod. This is on par with the sensitivity of the Quantum and Kiwa loops. For comparison, an outdoor sloper to the top of a 20 m pitch pine tree at the Harwich site gives a Drake R8A S-meter reading of about S6 on Turks & Caicos - 530 groundwave.

There are four potentiometers (pots) on the front panel of the MFJ-1026 and there are four switches (five when you consider the user-added Swap Switch). The potentiometers are T/R delay (R3), Auxiliary Antenna Gain (R20), Phase (R16), and Main Antenna Gain (R19). Switches (besides the Swap Switch) are Power On / Off (SW1), Pre-Amp On / Off (SW4), Freq. High / Low (SW2), and Phase Normal / Invert (SW3).

The T/R Delay control is only of concern if you will be transmitting as well as receiving. The Power On / Off switch sends the Main antenna straight through to the receiver if set to OFF. The Freq. High / Low switch is usually set LOW for frequencies from 300 kHz to 7 MHz, either LOW or HIGH for 7 to 12 MHz, and HIGH for 12 to 30 MHz.

The instructions in the MFJ-1026 manual are clear and will get the first-time user into the nulling "game" without much trouble. This is an easy-to-use unit compared to the L-C-R and delay-line phasers which preceded it. I would summarize operation as follows:

\* Set the (SW2) Frequency switch to LOW for medium-wave use. Set the Auxiliary Gain (R20) fully clockwise and the Main Gain (R9) fully counterclockwise (anticlockwise) and take note of the strength of the station to be nulled. \* Then set the Auxiliary Gain fully counterclockwise and the Main Gain fully clockwise and take note of the strength of the station to be nulled. \* If the reading was lower with Main Gain fully clockwise, temporarily set it counterclockwise and set Auxiliary Gain to get the reading that you had with maximum Main Gain. Then put Main Gain back to fully clockwise. \* On the other hand, if the S-meter reading had been lower with Auxiliary Gain fully clockwise (rather than with Main Gain that way), set Auxiliary Gain fully counterclockwise and set the Main Gain to get the reading you had with maximum Auxiliary Gain. Then put the Auxiliary Gain back to fully clockwise. \* Rotate the Phase control (R16) to look for a null. If the null isn't obvious, or if it tends to be at either end of the Phase control's range, try the opposite position of the Phase Normal / Invert switch (SW3) and rotate the Phase control again to search for a null. \* If a satisfactory null still hasn't been achieved, try the opposite position of the added Swap Switch and repeat the previous step. \* Once the correct combination of Phase control, Normal / Invert, and Swap Switch position has been arrived-at, make small interactive adjustments of the non-fully-clockwise Gain control and the Phase control until the deepest possible null has been acquired. Subdominant signals, if present, should be evident.

If the active circuits in the MFJ-1026 get overloaded by strong local stations, use moderate-Q tuned inputs such as loops or L-C tuned whips/wires - or, in cases of untuned wire inputs, just use less gain (as selected by the two 250-ohm Gain pots).

"Real life DXing" MFJ-1026 field tests were done on Saturday, 26 JUL (local) from the Robbins Road - Holmes Field beach-DXpedition site located off Route 3A in Plymouth, MA (approx. GC=70.68 W / 41.98 N). I used the Drake R8A receiver. Both the R8A and the MFJ-1026 were powered from the car battery. Two 90 ft. / 27 m wires lying on the ground were used. This (admittedly less-than-ideal) set-up had been used with delay-line and other phasing unit designs previously, so I had a feel for what to expect. The "main" antenna for the MFJ-1026 ran on a slight downslope along the side of Robbins Road straight towards the sea at a bearing of about 70 degrees. The "auxiliary" wire ran out at a right angle into an open field of grass at an approximate 160 degree bearing. I was on site at about 7 p.m. local / 2300 UTC. This is about an hour before sunset. I felt that one of the big challenges would be to null WPLM-1390, located less than 2 miles / 3 km from the site. Luckily, its very large signal did less overloading damage than WRKO-680 does back at home near the Shawsheen River marsh.

Nulling WPLM a good 50 dB was easy! It wasn't too long before evidence of co-channel skip stations from ME, NY, and VT started bubbling in behind the nulled WPLM audio. Better yet was rather good audio from Netherlands on 1395 heard somewhat later! The stations that the MFJ-1026 had the most trouble nulling were those with high-angle skip, especially if some groundwave was blended in. The stations on the top end of the dial, such as WNRB-1510, were particularly troublesome in this regard. Null control settings required constant adjustment, especially in the period from an hour before sunset to an hour after. The best sustained null depth I could manage on stations such as WNRB, WDCD, and WQEW was about 15 dB (although momentarily-deeper nulls popped in and out). Shortwave DXers will probably experience similarly "jumpy" results above 2 MHz. Pure "groundwavers" like WPLM and longer-skip / lower-frequency stations such as WLW-700 nulled more deeply and for greater time intervals between required control readjustments. These results are consistent with those found for any previous-used phasing scheme, whether delay-line, tuned L-C, or other.

As the evening progressed, the MFJ-1026 / phased wires set-up proved its value as numerous Trans-Atlantic stations were logged. Some of these came in fine on the 70-degree "Euro-wire"

without the need for phasing, but, in a number of instances, phasing the two wires made the difference between a slop-plagued DX signal and crystal clarity. The two Croatia stations (1125 and 1134) come to mind. WBBR-1130 New York has a VERY strong signal at night here in eastern Massachusetts. Indeed, outside the immediate groundwave zones of locals, it's one of the five strongest stations night after night. When I was tuned to 1134, Croatia was running a good S9+20, but it was still trashed by WBBR slop at times - even on the "Euro-wire". With a few quick twists of the controls on the MFJ-1026, WBBR was reduced by better than 20 dB and Croatia-1134 roared in with absolutely beautiful audio. On peaks, it was stronger than what was left of WBBR. Not only did the phasing accomplish a nice clean-up on 1134, but also the much-weaker Croatian on 1125 was brought into the clear with just a bit of co-channel flak from Spain. Prior to phasing, it didn't have a ghost of a chance against the barrage of WBBR slop.

Earlier on 26 JUL, I had done a few daytime DX tests of the MFJ-1026 from Harwich, MA on Cape Cod. The first battery of tests involved feeding a Quantum Loop into the MFJ-1026 "main" input and using the 1026's built-in broadband active whip as the "auxiliary". With the loop at normal (i.e. high) Q, audio null depths only reached about 20 dB (versus better than 40 dB for carrier). This is consistent with previous nulling scenarios where a high-Q tuned

source is phased against a broadband one. You get what sounds like a double-sideband suppressed carrier signal. If the desired DX is more than 20 dB below the dominant, you probably won't hear it even during stable midday conditions. Q-spoiling the Quantum Loop (15K resistor shunting the L-C tank) increases nullability of "pests" maybe to 30 dB, but the loop's usable sensitivity is compromised. At night, this is probably a non-issue (except in aurora), but during the day you need every bit of signal you can squeeze out of the small loop.

A second battery of tests at Harwich used two wires at a right angle (similar to the set-up employed at Plymouth). Daytime nulls were smooth ("like butter" some would say). WGAN-560 was easily dumped to reveal WHY, near-equal WPRO and CFYC on 630 could each be brought up alone, much the same on 740 with WJIB and WGSM, WJTO on 730 was nulled a good 30 dB to pull out WACE over CKAC, strong WCLZ-900 was phased under the co-channel CKDH/WMVU mix, WZNN-930 easily surrendered to CFBC, and so forth. Nulling with two wires was decidedly better than any loop-versus-whip or loop-versus-wire scheme.

Once the MFJ-1026 is modified, it makes a very competent phasing unit that will undoubtedly bring the technology into the hands of many DXers who have not previously experienced its value in bringing new stations out of "the mud".

Miscellaneous information: Power requirements: 12 volts DC at 150 mA Size: about 21 cm wide X 6.5 cm high X 15 cm deep

Appendix:

MFJ Ordering Information Webpage: <http://www.mfjenterprises.com/mfj/order.html>

TECHNICAL INFORMATION: (601) 323-0549 or "jshurden@mfjenterprises.com"

MAIL ORDERS: MFJ Enterprises, Inc. P.O.Box 494 Mississippi State, MS 39762, USA

TOLL-FREE (DOMESTIC): 1-800-647-1800

SHIPPING INFORMATION: MFJ Enterprises, Inc. - 300 Industrial Park Rd. - Starkville, MS 39759 USA

CREDIT CARDS: Visa, MasterCard, American Express, or Discover

FOREIGN ORDERS: U.S. funds only

## Addendum/Modification

by Al Merriman

The MFJ-1026 Deluxe Noise Canceling Signal Enhancer, which hit the market in the past few months has generated a lot of interest in the Medium Wave DX community. With a few modifications this unit performs very well as a MW Phasing Unit.

A number of DXers have written to MFJ attempting to convince them that they should offer a unit "off the shelf" that can be used by Medium Wave DXers as a Phasing Unit. I really think you need to sit down and give a bit of thought to this and ask yourself a question - just how much worldwide demand would there be for a unit like this? Would there be enough demand that MFJ could make a reasonable profit from such a unit? My opinion is no. If the current unit could be modified so it would satisfactorily work from longwave on up that might be one thing. But to offer a unit that would work on LW/MW only would probably not be cost effective.

The modifications documented by Mark Connelly are very easy to do if you have any technical ability at all. The entire process, including before and after testing can be done in 2 hours or less. I have done two so far with no problems. And, they work just great! If you do not feel you can do these mods yourself, I will be happy to do them for you for US \$20.00 plus shipping to you. If anyone is interested in this, get in touch with me. I would suggest that if you order one of these

units, and want me to do the mods that you have the unit shipped directly to me. Unless I get overwhelmed with requests it shouldn't take more than a couple of days to get these done and shipped on to you.

Although I did not call everyone it would seem that the best available price on these is from : R & L Electronics - 1315 Maple Ave - Hamilton OH 45011 US A - 1-800-221-7735

They were selling this unit for \$115.00 plus shipping. They were out of stock a couple of weeks ago but may have more units on hand by now.

Before you ask: I have no intention of making modified units available for sale. I will only perform the mods on units that you buy. Before you have a unit shipped to me, contact me first to make the arrangements at <<merriman@shore.intercom.net>>

For those who might not know me I have been a Radio Amateur and Medium Wave DXer for over 40 years. This month starts my 40th consecutive year as a member of the National Radio Club and am also a member of Medium Wave Circle.

## DXN Volume Sixty-Four Index

Once again, your semi-useful index of all but regular columns. Can you find the hidden factoid? Numbers refer to issue-page; any errors herein are probably my fault.

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# Graveyard Achievements

Distance records for stations logged on graveyard frequencies

Bill Hale

6124 Roaring Springs Drive  
North Richland Hills, TX 76180-5552

1490

Logged from Jan 1, 1960 to Present

Date of Last Update: September 4, 1997

\* indicates North American record-holder

WANA	AL	Anniston	Charles Reh	Leamington, ON	605
WAJF		Decatur	Neil Wolfish	Toronto, ON	745
WHBB		Selma	Frank Merrill	Milan, MI	687
AFRN	AK	Campion	Esa Hänninen	Lemmenjoki, Finland	3209
AFRN		Eielson AFB	Frank Merrill	Nenana, AK	52
KBAS	AZ	Bullhead City	Jeff Tynan	Parker, CO	620
KCUZ		Clifton	Phil Bytheway	Seattle, WA	1216
KYCA		Prescott	Phil Bytheway	Seattle	1037
KAIR		Tucson	Phil Bytheway	Seattle	1226
KWXT	AR	Dardanelle	Jim Boehm	San Antonio, TX	504
KXAR		Hope	Stephen Ponder	Bossier City, LA	80
KDRS		Paragould	Shawn Axelrod	Winnipeg, MB	1000
KOTN		Pine Bluff	Bob Mielcarek	Milwaukee, WI	648
KARV		Russellville	Steve Francis	Alcoa, TN	519
KWAC	CA	Bakersfield	Olle Alm	Abisko, Sweden	4947
			Phil Bytheway	Seattle	*861
KMET		Banning	Bruce Reynolds	San Jose, CA	364
KICO		Calexico	Bruce Reynolds	San Jose	482
KRKC		King City	Frank Merrill	Nenana	2266
KTOB		Petaluma	Frank Merrill	Nenana	2107
KBLF		Red Bluff	Phil Bytheway	Seattle	513
KDB		Santa Barbara	Roy Millar	Bellevue, WA	921
			Phil Bytheway	Seattle	(Tie) 921
KOWL		South Lake Tahoe	Esa Hänninen	Lemmenjoki	4791
			Roy Millar	Marysville, WA	*609
KSYC		Yreka	Esa Hänninen	Lemmenjoki	4634
			Phil Bytheway	Seattle	*407
KBOL	CO	Boulder	Esa Hänninen	Lemmenjoki	4519
			Shawn Axelrod	Langley, BC	*775
KGUC		Gunnison	Jeff Tynan	Parker	134
KEDI		Manitou Springs	Phil Bytheway	Seattle	1062
KOLR		Sterling	Bruce Reynolds	Warrensburg, MO	517
WGCH	CT	Greenwich	Joe Kureth	Uniontown, MD	207
WNLC		New London	Russ Edmunds	Little Silver, NJ	122
WTOR		Torrington	Russ Edmunds	Little Silver	114
WTRL	FL	Bradenton	Frank Merrill	Milan	1013
WXVQ		Deland	Karl Jeter	Stone Mountain, GA	375
WKEM		Immokalee	Ernie Cooper	Provincetown, MA	1253
WMBM		Miami Beach	UK DXpedition EE	Sheigra, Scotland	4186
			Marc DeLorenzo	Hyannis, MA	*1232
WCKC		Milton	Steve Francis	Alcoa	399
WEAG		Starke	Don Trelford	Runaway Bay, Jamaica	851
WTTB		Vero Beach	Marc DeLorenzo	Hyannis	1125
WSIR		Winter Haven	Karl Jeter	Stone Mountain	426
WMOG	GA	Brunswick	Don Trelford	Runaway Bay	919
WMLS		Monroe	Jason Hustedt	Lexington, SC	144
WSFB		Quitman	Don Lynch	Lynn, MA	1063
WSNT		Sandersville	Ernie Cooper	Provincetown	990
WSYL		Sylvania	Steve Francis	Alcoa	251
WRLD		West Point	Don Trelford	Runaway Bay	1113

KCID	ID	(Lanette, AL) Caldwell	Charles Reh	Leamington	*649
			Esa Hänninen	Lemmenjoki	4435
			Shawn Axelrod	Winnipeg	*1009
KKLB		Chubbuck	Esa Hänninen	Lemmenjoki	4431
			John Wilkins	Wheat Ridge, CO	*440
KOFE		St. Maries	Phil Bytheway	Seattle	271
WKRO	IL	Cairo	Russ Edmunds	Glen Rock, NJ	851
WDAN		Danville	Niel Wolfish	Winnipeg, MB	806
			Shawn Axelrod	Winnipeg	(Tie) 806
WESL		East St. Louis	John Malicky	Pittsburgh, PA	546
WOPA		Oak Park	Wayne Heinen	Orchard Park, NY	466
WZOE		Princeton	Niel Wolfish	Willowdale, ON	541
WKBV	IN	Richmond	Niel Wolfish	Winnipeg	961
WNDU		South Bend	Steve Francis	Alcoa	427
KBUR	IA	Burlington	Esa Hänninen	Lemmenjoki	4220
			John Wilkins	Wheat Ridge	*739
WDBQ		Dubuque	Wayne Heinen	Colorado Springs, CO	779
KXLQ		Indianola	John Wilkins	Wheat Ridge	615
KRIB		Mason City	Esa Hänninen	Lemmenjoki	4110
			John Wilkins	Wheat Ridge, CO	*657
KKAN	KS	Phillipsburg	Olle Alm	Abisko, Sweden	4318
			Shawn Axelrod	Winnipeg	*691
KTOP		Topeka	Esa Hänninen	Lemmenjoki	4417
			Shawn Axelrod	Winnipeg	*736
WFKY	KY	Frankfort	Bob Mielcarek	Milwaukee	370
WKAY		Glasgow	Frank Merrill	Milan	352
WFXV		Middlesboro	Robert Kramer	Chicago, IL	418
WOMI		Owensboro	Niel Wolfish	Toronto	573
WSIP		Paintsville	Ernie Wesolowski	Omaha, NE	740
WIKC	LA	Bogalusa	Charles Reh	Leamington, ON	867
KEUN		Eunice	Jim Boehm	San Antonio	368
KJIN		Houma	Bob Mielcarek	Milwaukee	944
KRUS		Ruston	Charles Reh	Leamington	859
WPOR	ME	Portland	Esa Hänninen	Lemmenjoki	3600
			Jean Burnell	St. John's, NF	*889
WTVL		Waterville	Charles Reh	Leamington	673
WARK	MD	Hagerstown	Andy Rugg	Montreal, PQ	457
WHAV	MA	Haverhill	Jerry Starr	Youngstown, OH	516
WMRC		Milford	Christian DeHaes	Chicoutimi, PQ	436
WACM		West Springfield	Jeff Falconer	Clinton, ON	420
WABJ	MI	Adrian	Esa Hänninen	Lemmenjoki	4009
			Shawn Axelrod	Winnipeg	*829
WTIQ		Manistique	John Wilkins	Escanaba, MI	44
WMPX		Midland	Niel Wolfish	Winnipeg	742
			Shawn Axelrod	Winnipeg	(Tie) 742
WPBK		Whitehall	Don Voorhies	Oswego, NY	489
KXRA	MN	Alexandria	Russ Edmunds	Parsippany	1111
KQDS		Duluth	John J. Rieger	South Milwaukee, WI	345
KLGR		Redwood Falls	Roy Millar	Marysville, WA	1322
WLOX	MS	Biloxi	Frank Merrill	Milan	855
WCLD		Cleveland	Charles Reh	Leamington	724
WHOC		Philadelphia	Jerry Starr	Youngstown	731
WTUP		Tupelo	Don Trelford	Runaway Bay	1302
WJFL		Vicksburg	Steve Francis	Alcoa	462
KDMO	MO	Carthage	Frank Merrill	Milan	661
KTTR		Rolla	Shawn Axelrod	Winnipeg	854
KDRO		Sedalia	Shawn Axelrod	Winnipeg	782
KDBM	MT	Dillon	Esa Hänninen	Lemmenjoki	4279
			Shawn Axelrod	Winnipeg	*784
KXGF		Great Falls	Shawn Axelrod	Winnipeg	664
KLYN		Laurel	Esa Hänninen	Lemmenjoki	4199
KBSR			Phil Bytheway	Seattle	*658
KEZO	NE	Omaha	Esa Hänninen	Lemmenjoki	4282

WEMJ	NH	Laconia	Roy Millar	Marysville	*1363
WLGW		Lancaster	Jerry Starr	Youngstown	511
WUSS	NJ	Atlantic City	Andy Rugg	Montreal	120
KRSN	NM	Los Alamos	Steve Francis	Alcoa	578
KRTN		Raton	John Wilkins	Wheat Ridge	274
KOAW		Ruidoso Downs	Tim Hall	Rancho Bernardo, CA	767
WCSS	NY	Amsterdam	Tim Hall	Rancho Bernardo	668
WBTA		Batavia	Morris Sorensen	Port Carling, ON	303
WKNY		Kingston	Russ Edmunds	Little Silver	286
WICY		Malone	Frank Merrill	Milan	496
WDLC		Port Jervis	Charles Reh	Leamington	446
WCDO		Sidney	Don Trelford	Scarborough, ON	286
WOLF		Syracuse	Joe Kureth	Uniontown, MD	208
WSSB	NC	Durham	Charles Reh	Leamington	333
WLOE		Eden	Andy Rugg	Montreal	715
WFLB		Fayetteville	Russ Edmunds	Kinnelon, NJ	430
WRNB		New Bern	Marc DeLorenzo	Hyannis	650
WRMT		Rocky Mount	Dave Fox	Reading, PA	370
WSTP		Salisbury	Andy Rugg	Montreal	698
WSVM		Valdese	Charles Reh	Leamington	452
WHSL		Wilmington	Frank Merrill	Milan	449
KNDC	ND	Hettinger	Marc DeLorenzo	Hyannis	661
			Olle Alm	Abisko, Sweden	3982
			Jeff Tynan	Parker	*462
KOVC		Valley City	Roy Millar	Marysville	1137
WBEX	OH	Chillicothe	Bill Alisaukas	Douglasville, GA	378
WJMO		Cleveland Heights	Bob Mielcarek	Milwaukee	340
WOHI		East Liverpool	Steve Francis	Alcoa	382
WMOA		Marietta	Ron Bailey	Shelby, NC	287
WMRN		Marion	Niel Wolfish	Winnipeg	925
			Shawn Axelrod	Winnipeg	(Tie) 925
KOKC	OK	Guthrie	Esa Hänninen	Lemmenjoki	4620
			John Wilkins	Wheat Ridge	*497
KBIX		Muskogee	Niel Wolfish	Winnipeg	1000
KBKR	OR	Baker	Esa Hänninen	Lemmenjoki	4374
			MB DXPedition &	Valhalla Beach	*1064
KRNR		Roseburg	Esa Hänninen	Lemmenjoki	4541
			Bruce Reynolds	San Jose	*412
KBZY		Salem	Esa Hänninen	Lemmenjoki	4420
			Shawn Axelrod	Winnipeg	*1250
WESB	PA	Bradford	Esa Hänninen	Lemmenjoki	3894
			Russ Edmunds	Little Silver	*263
WAZL		Hazleton	Steve Francis	Alcoa	558
WJNL		Johnstown	Bob Mielcarek	Milwaukee	502
WLPA		Lancaster	Jeff Falconer	Clinton	354
WBCB		Levittown	Bob Mielcarek	Milwaukee	704
WMRF		Lewistown	Niel Wolfish	Toronto	228
WMGW		Meadville	Esa Hänninen	Lemmenjoki	3945
			Joe Kureth	Uniontown	*213
WNBT		Wellsboro	Charles Reh	Leamington	271
WVGB	SC	Beaufort	Charles Reh	Leamington	598
WGCD		Chester	Steve Francis	Alcoa	174
WMRB		Greenville	Robert Kramer	Chicago	570
WSDC		Hartsville	Russ Edmunds	Little Silver	515
KFCR	SD	Custer	John Wilkins	Wheat Ridge	284
KORN		Mitchell	Charles Reh	Leamington	788
WOPI	TN	Bristol	Andy Rugg	Montreal	760
WDXB		Chattanooga	Carl Dabelstein	Lincoln, NE	730
WCSV		Crossville	Charles Reh	Leamington	440
WROL		Knoxville	Joe Kureth	Uniontown	452
WJIM		Lewisburg	Ron Bailey	Shelby	296
WDXL		Lexington	Bruce Reynolds	Warrensburg	385
KNOW	TX	Austin	Roy Millar	Marysville	1779

KIBL		Beeville	Jim Boehm	San Antonio	43
KBST		Big Spring	John Wilkins	Wheat Ridge	88
KQTY		Borger	Shawn Axelrod	Winnipeg	557
KNEL		Brady	Jim Boehm	San Antonio	990
KWMC		Del Rio	Jim Boehm	San Antonio	125
KSAM		Huntsville	Jim Boehm	San Antonio	145
KZZN		Littlefield	Shawn Axelrod	San Antonio	192
KPLT		Paris	Bruce Reynolds	Winnipeg	1120
KDOK		Tyler	Steve Francis	Warrensburg	370
KVWC		Vernon	Stephen Ponder	Alcoa	690
KJQN	UT	Ogden	Olle Alm	Fort Worth, TX	158
KVOG			Phil Bytheway	Abisko	4449
WKVT	VT	Brattleboro	Don Voorhies	Seattle	*653
WFAD		Middlebury	Marc DeLorenzo	Oswego, NY	203
WIKE		Newport	Charles Reh	Hyannis	218
WCVA	VA	Culpeper	Andy Rugg	Leamington	580
WPAK		Farmville	Dave Braun	Montreal	535
WVEC		Hampton	UK DXPedition £	Falls Church, VA	127
			Charles Reh	Sheigra, Scotland	3445
WAYB		Waynesboro	Don Lynch	Leamington	*477
KBRO	WA	Bremerton	Esa Hänninen	Lynn	514
			Tim Hall	Lemmenjoki	4239
			Esa Hänninen	Mount Ranier NP, WA	*63
KVAC		Forks	Tim Hall	Lemmenjoki	4229
			Esa Hänninen	Kamloops, BC	*257
KEYG		Grand Coulee	MB DXPedition	Lemmenjoki	4180
			Jack Woods	Valhalla Beach	*1021
KGHO		Hoquiam	Esa Hänninen	Waldport, OR	177
KLOG		Kelso	Jack Woods	Lemmenjoki	4324
			Phil Bytheway	Douglas, AK	*956
KENE		Toppenish	Esa Hänninen	Lemmenjoki	4294
			Phil Bytheway	Seattle	*127
KTEL		Walla Walla	Esa Hänninen	Lemmenjoki	4295
			Phil Bytheway	Seattle	*218
WCZR	WV	Charleston	Don Voorhies	Oswego	442
WTCS		Fairmont	Frank Merrill	Milan	257
WLOH		Princeton	Frank Merrill	Milan	347
WSGB		Sutton	Bruce Reynolds	Warrensburg	700
WGEZ	WI	Beloit	Shawn Axelrod	Winnipeg	631
WLCX		LaCrosse	Jerry Starr	Youngstown	580
WIGM		Medford	Steve Francis	Alcoa	728
WOSH		Oshkosh	Esa Hänninen	Lemmenjoki	3968
			Steve Francis	Alcoa	*619
KIML	WY	Gillette	Gene Allen	Vallejo	985
KUGR		Green River	Olle Alm	Abisko	4390
			Shawn Axelrod	Winnipeg	*817
KOJO		Laramie	Phil Bytheway	Seattle	935
KGOS		Torrington	Shawn Axelrod	Winnipeg	625
WMDD	PR	Fajardo	Hank Holbrook	Chevy Chase, MD	1600
CJPR	AB	Blairmore	Esa Hänninen	Lemmenjoki	4053
			Shawn Axelrod	Winnipeg	*795
CBPH		Banff	Tim Hall	Banff, AB	4
CBXY		Falher	Esa Hänninen	Lemmenjoki	3631
CFWB	BC	Campbell River	Esa Hänninen	Lemmenjoki	4102
			Shawn Axelrod	Cardinal Divide, AB	*388
CKGO		Hope	Phil Bytheway	Seattle	140
CBXN		Natal	Roy Millar	Marysville	375
CKOO1		Oliver	Tim Hall	Banff, AB	227
CHPG		Prince George	Phil Bytheway	Seattle	438
CKMV	NB	Grand Sault	LEM96	Lemmenjoki, Finland	3716
			Christian DeHaes	Chicoutimi	*182
CBDQ	NF	Labrador City	Esa Hänninen	Lemmenjoki	2973
			LEM96	Lemmenjoki	(Tie) 2973
			Jean Burnell	St. John's	*725

CBDJ	NT	Hay River	Esa Hänninen	Lemmenjoki	3281
CKEN	NS	Kentville	UKDXPedition £	Sheigra, Scotland	2591
			Russ Edmunds	Little Silver	*601
CHVR	ON	Arnprior	Morris Sorensen	Kemptville, ON	45
CHYM		Kitchener	John Wilkins	West Des Moines, IA	691
CFRC		Kingston	Don Voorhies	Oswego	54
CFPS		Port Elgin	Shawn Axelrod	Winnipeg	825
CKLR	PQ	L'Annonciation	Charles Reh	Leamington	490
CKBM		Montmagny	Joe Kureth	Uniontown	606
CJMC		Ste-Anne-des-Monts	Esa Hänninen	Espoo, Finland	3810
			Joe Kureth	Uniontown	*839
CJSN	SK	Shaunavon	Esa Hänninen	Lemmenjoki	3930
			Phil Bytheway	Seattle	*658
XERO	AG	Aguascalientes	Jim Boehm	San Antonio	578
XECJC	CHIH		Ciudad Juarez	Phil Bytheway	Seattle
1384					
XEGT	MICH		Zamora	Tim Hall	0mi W of Mazatlan, SIN
361					
XESK	NAY	Ciudad Ruiz	Pete Taylor	Cabo San Lucas, BCS	316
XEDR	SON	Guaymas	Tim Hall	Poway, CA	503
XEMS	TAMS		Matamoros	Esa Hänninen	Lemmenjoki
5321					
			Pete Taylor	Cabo San Lucas	*803
ZYK769	BRZ	Penapolis, SP	NF DXPedition	Cappahayden, NF	4728
ZYH246		Penado, AL	NF DXPedition	Cappahayden, NF	4082
HJZB	COL	Tulua	UKDXPedition £	Sheigra	5298
CMDH	CU	Mayari	Don Trelford	Runaway Bay, Jamaica	185
YVRP	VEN	Maracaibo	UKDXPedition £	Sheigra	4747

£ = UK DXPedition [Steve Whitt, Mark Hattam, Clive Rooms]

££ = UK DXPedition [Mark Hattam, Clive Rooms, Dave Kenny and Martin Hall]

NF DXPedition [Jean Burrell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]

LEM96 = Mika Makelainen and Jorma Mantyla

### It may not be perfect ...

but the NRC AM Log is, simply, the best there is because of your contributions. Why not make the next edition even better? Send all corrections and changes to

Wayne Heinen - 4131 S. Andes Way - Aurora, CO 80013-3831.



The NRC AM Radio Log, 17th Edition, compiled from members' reports and from official sources so that it is the most accurate listing of AM stations on the market. Cross-referenced, 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members: to Latin America, \$23.50; Europe, \$24.00; rest of the world: \$28.00. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)

## Radio Roundup

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News of the radio industry, of interest to DX'ers

Greetings all ... Two radio/tv announcing pioneers have passed away: George Fenneman and Dennis James ... Ron Lundy (ex-WABC and currently on WCBS-FM), has been awarded the Bronz World Medal as Best Local Radio Personality of the Year, 1997. He was selected from 1362 entries from 33 nations ... In our nation's capital Bob Duckman has been hired on to nostalgia WWDC with a mission of tweaking the station for the over-55 set ... Sad news to report that Robert W. Morgan has lung cancer. A legend in the industry, Robert W. in the Morgan has had a long career in the Los Angeles Market... In Cincinnati WKCY has taken back its WKRC call on the 550 dial position ... Rebecca Hedrick has joined WIBC (1070, news/talk) as a traffic reporter for the late morning/early midday shift. Joanne Klooz returns to the air from other duties at the station to report traffic in the late midday and early afternoon. WIBC has also hired Jim Volkman as afternoon sportscaster and primary host of the evening sports talk show, replacing Jim Barbar, who left several weeks ago to pursue television sports opportunities. Guest co-host duties will rotate among chief WIBC sportscaster Bob Lamey, Pacers radio play-by-play man Mark Boyle, Joe Hillman, and ex-Indianapolis Colt Joe Staysniak ... Late-night talk show host Dave Elswick left WIBC April 11 to begin a similar late-night program of controversial talk, unusual topics, and live music from local bands on WCCO in Minneapolis. Because WIBC's nighttime power reduction from 50,000 to 10,000 watts makes reception difficult in some parts of Indianapolis, some Indianapolis listeners will ironically find it easier to listen to Elswick on WCCO, which usually booms into Indy at night ... WRDB-1470, Pomano Beach, is off the air and its phone number is disconnected ... Chris Witting's "Success Journal" has added the 137 affiliates of TalkAmerica Network's "Good Day USA" show. The show emanates from WMAQ-670 ... Ex-WIQT-1000 has moved to 820 as WWLZ, "Wheels 820." It will be programming talk and sports via satellite ... KWNK-670 (Simi Valley) has changed formats from all-sports to Spanish language with a Central American music format ... Overnight talk show host, Stan Major, has moved his show from Talk America radio network. In a press release, TalkAmerica said that "the only 24-hour live network will continue with quality talk." ... KCKC from San Bernardino dropped a majority of its talk format to return to its country roots. KCBQ is expected to change formats to Spanish soon ... A sign of the times, The "official" web site of the Dr. Laura Show will be launched in with Dr. Laura hosting a live, nationwide chat. The site at www.dr.laura.com will feature audio clips from her show, sample articles from her newsletter and merchandise from the Dr. Laura Collection available for sale online ... WLS (890 AM) fired Catherine Johns after 18 years at the station, initially as news anchor during the Larry Lujack show. Catherine has ably run her talk show since the inception of WLS' talk format. WLS GM Zemira Jones sites a change of direction as the reason for the decision. Ty Wansley (formerly of Ty and Ed) will fill in until a permanent replacement is found. ... Chris Witting's "Success Journal" has added the 137 affiliates of TalkAmerica Network's "Good Day USA" show. The show is Chicago-based and airing on WMAQ-670 ... Former WIQT-1000 Horsehide, NY is now a full-timer on 820, and is now on its third set of calls, having gone from WIQT to WQIX to the new WWLZ, "Wheels 820." It's all satellite talk and sports ... From the obituary pages: Edythe Meserand, the woman credited as the first female radio newscaster, died in a Schenectady hospital on Monday at age 88. Meserand's career began in 1926 at NBC Radio and later brought her to WINS and WOR. Meserand later ran an advertising agency, and founded American Women in Radio and Television. She had recently been inducted into the Hall of Honor of the Women's Press Club of New York ... Fred Cusick, the voice of the Boston Bruins, has resigned from WSBK-38, ending an era of radio and television play-by-play announcing that spanned 45 years and an estimated 3,100 games ... In a war of words, overnight talkshow host, Stan Major, has moved his show from Talk America radio network. In a press release, Talk America said that "the only 24-hour live network will continue with quality talk." In a separate announcement, Stan Major announced that his overnight show would be moving transponders or possibly to another satellite. Talk America did not discuss Major's move, but insisted that overnight programming would continue to be live. Major's press release said that his show would continue to be on seven days per week "and stations could pick and choose the hours wanted." If you would like to contribute to this column, I may be reached at the address above, InterNet PeteKZ1Z@AOL.COM, the FIDO system in the Shortwave, Ham or Broadcasting echo areas, The Oracle 1:141/1015, or amateur radio packet, KZ1Z @ KIUOL.CT. So much for now.

**HR 2369 IH**

Larry Van Horn

Assistant Editor/Managing Editor *Monitoring Times/Satellite Times*

Here is the latest legislative threat to the monitoring hobby. Folks, this bill is pure poison to all branches of the radio hobby. In particular, I'm extremely concerned with section 3 of this bill amending the Communications Act of 1934. Radio listeners and hams need to contact their elected officials in Washington to voice opposition to this bill.

Unlike the Markey bill, HR 2369 does have co-sponsors, and, given the timing in the legislative calendar, I feel it does have an excellent chance of getting through Congress this session. This bill has the same provisions in it as the Markey bill (HR 1964) plus the new language on scanner mods in section 1 and the new very restrictive language for the Comm Act of 34 in section 3. This affects every radio listener from shortwave right on up to the microwave regions. If your hobby is listening to something other than broadcast radio or television, ham or CB this bill could and probably will affect you.

**HR 2369 IH 105th CONGRESS 1st Session**

To amend the Communications Act of 1934 to strengthen and clarify prohibitions on electronic eavesdropping, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES July 31, 1997 Mr. TAUZIN (for himself, Mr. MARKEY, Mr. OXLEY, Mr. GILLMOR, Ms. ESHOO, and Ms. MCCARTHY of Missouri) introduced the following bill; which was referred to the Committee on Commerce

A BILL To amend the Communications Act of 1934 to strengthen and clarify prohibitions on electronic eavesdropping, and for other purposes.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,*

SECTION 1. SHORT TITLE. This Act may be cited as the 'Wireless Privacy Enhancement Act of 1997'.

SEC. 2. COMMERCE IN ELECTRONIC EAVESDROPPING DEVICES. (a) PROHIBITION ON MODIFICATION- Section 302(b) of the Communications Act of 1934 (47 U.S.C. 302(b)) is amended by inserting before the period at the end thereof the following: ', or to modify any such device, equipment, or system in any manner that causes such device, equipment, or system to fail to comply with such regulations'. (b) PROHIBITION ON COMMERCE IN SCANNING RECEIVERS- Section 302(d) of such Act (47 U.S.C. 302(d)) is amended to read as follows: (d) The Commission shall prescribe regulations denying equipment authorization (under part 15 of title 47, Code of Federal Regulations, or any other part of that title) for any scanning receiver that is capable of-- (1) receiving transmissions in the frequencies allocated to any commercial mobile service (as defined in section 332(d)), (2) readily being altered to receive transmissions in such frequencies, (3) being equipped with decoders that convert digital commercial mobile service transmissions to analog voice audio, or (4) being equipped with devices that otherwise decode encrypted radio transmissions for the purposes of unauthorized interception'. (c) IMPLEMENTING REGULATIONS- Within 90 days after the date of enactment of this Act, the Federal Communications Commission shall prescribe amendments to its regulations for the purposes of implementing the amendments made by this section. In prescribing such amendments, and in response to subsequent changes in technology or behavior, the Commission shall review and revise its definition of the term 'capable of readily being altered' as necessary to prevent commerce in devices that may be used unlawfully to intercept or divulge radio communication.

SEC. 3. UNAUTHORIZED INTERCEPTION OR PUBLICATION OF COMMUNICATIONS. (a) AMENDMENTS- Section 705 of the Communications Act of 1934 (47 U.S.C. 605) is amended-- (1) in the heading of such section, by inserting 'interception or' after 'unauthorized'; (2) in the second sentence of subsection (a), by striking 'and divulge' and inserting 'or divulge'; (3) in subsection (e)(1)-- (A) by striking 'fined not more than \$2,000 or'; and (B) by inserting 'or fined under title 18, United States Code,' after '6 months,'; and (4) in subsection (e)(3), by striking 'any violation' and inserting 'any receipt, interception, divulgence, publication, or utilization of any communication in violation'; and (5) in subsection (e)(4), by striking 'any other activity prohibited by subsection (a)' and inserting 'any receipt, interception, divulgence, publication, or utilization of any communication in violation of subsection (a)'. (b) RESPONSIBILITY FOR ENFORCEMENT- Notwithstanding any other investigative or enforcement activities of any other Federal agency, the Federal Communications Commission shall investigate alleged violations of section 705 of the Communications Act of 1934 (47 U.S.C. 605) and may proceed to initiate action under section 503 of such Act (47 U.S.C. 503) to impose forfeiture penalties with respect to such violation upon conclusion of the Commission's investigation.

**Musings  
of the Members**

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*Times are local per Muse; submit double-spaced only.  
Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer  
and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.*

**Richard W. Turner** 286 Hixville Road North Dartmouth MA 02747-1938

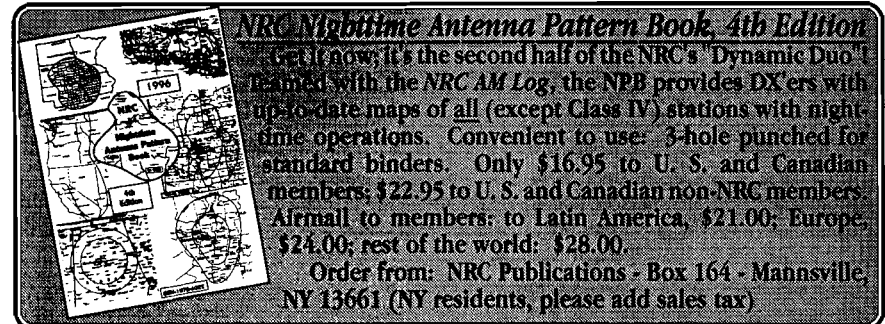
It was with a great sense of shock and sadness that I read of the death of fellow NRC member Rocky Stone in issue #30. I will miss his friendship very much. I used to talk to him on the phone or by E-mail from time to time, mostly about country music and MW DXing. May he rest in peace.

**Mike Brooker** -- 99 Wychcrest Ave., Toronto, ON M6G 3X8

The highlight of the 1997-98 DX season here is CBL's move to 99.1. They will move in March 1998, but will simulcast on 740 until at least September '98. Though as expected, the CRTC approved the CBC's application to move to FM, it was not without controversy. They rejected an application for a Black/Urban contemporary format on 99.1. It's the second time this format has been vetoed here. In 1992 the CRTC turned down an application for the 92.1 spot (which went to C&W CISS) by the same group that was trying for 99.1. Toronto's non-white community is playing the race card, accusing the CRTC and CBC of racism. Actually the only thing the CRTC is guilty of is following the Broadcasting Act of 1936. This Act of the Canadian Parliament gives the CBC and Radio-Canada a mandate to cover all of Canada with the best available frequencies. In 1936 this meant 50,000 watt clear channels. Today this means the CBC gets first crack at any available FM frequencies in major markets. I do hope the CRTC approves CKLY's move to 91.9, as it would get rid of a major pest on 91.0. In Canada the FM band below 92.1 Mhz does not seem to be exclusively reserved for public or educational broadcasters. In Newmarket, ON there is a commercial FM on 88.5 which used to be CKDX-1480. CIAM-960's move to FM would also get rid of another unwanted pest. 73 Mike

**Rick Dau** - 2718 Wayne Ave. #7 - Iowa City, IA 52240-2533

<<iowarocker@hotmail.com>> Time for a muse for the annual re-intro issue. I'm 32, single, and have recently moved back to Iowa City after a little more than two years away. I'm still delivering pizzas, but I'm also a drummer for a local blues band, so I now have two sources of income. I started DXing in the spring of 1977, and have continued to do so from three different locations (Oakland, Iowa City, and Spirit Lake) in the Hawkeye State since then. I joined the NRC in June 1988, and, except for a two-month lapse late in 1994, have been in the club continuously from that time on. I'm now using a Sony ICF-2010 for MW DXing purposes, and hope to get a quality loop antenna hooked up to it soon. I attended a GTG in Madison, WI back on August 19 at the home of IRCA member Tim Noonan. 19 people from 5 states, including Neil Kazaross, Ernie Wesolowski, Kent Winrich, Tom Jasinski, and George Greene, were present. Neil gave me a good review of the Quantum Loop, and highly recommended it to me. The GTG got me in the mood for DXing, so upon returning to Iowa City that night, I checked out the bands. Nothing out of the ordinary that evening, but I have logged three new stations since then: WZYX-1440, CHNO-550, and an unID of 1440 with the slogan "Michigan Country". Probably WDW, but I just want to be sure by checking into it first. Once again, I will be editing the "College Sports Networks" column for *DX News*, so send any submissions you have (PREFERABLY complete affiliate lists and announcer info, not just flagship stations) to either my snail mail address, or to my E-mail. That's all for now. 73 from the Heartland.



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