

# DXN News

• Serving DX'ers since 1933 •



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*From the Publisher ...* The NRC/WTFDA convention is a little over three months away, starting on August 27. Have you made travel and hotel arrangements yet? Information is available on page 35.

Our sincerest sympathies go out to the family of Alvin E. Harvey, Andover, MA, whose DXN was retuned, marked "Deceased", and to Dale Park and his family in the recent death of his father.

James Careless recently penned a nice article about AM DX'ing in *Radio World* magazine <<http://www.rwonline.com/article/99602>>; our own Wayne Heinen was interviewed for comments that were included in the article.

*Unfilled positions ...* We're in need of volunteers for the following positions: an Internet web guru, to manage and update [www.nrcdxas.org](http://www.nrcdxas.org); DXN publisher so I can really retire; and one or more persons to edit future NRC publications developed by contributors or the club.

## DXN Publishing Schedule, Volume 77

Deadline Publ Date		Deadline Publ Date	
27.	June 4 June 14	29.	Aug. 6 Aug. 16
28.	July 9 July 19	30.	Sept. 17 Sept. 27

## DX Time Machine

*From the pages of DX News*

50 years ago ... from the May 21, 1960 DXN: Eric Nelson, Sussex, NB, was using a Sony 9-transistor radio to DX and heard KSL-1160, Salt Lake City, among other catches.

25 years ago ... from the May 6, 1985 DXN: Dick Truax, Louisville, KY reported hearing KPF-941 on 1622 from Yonkers, NY at least 5 times.

10 years ago ... from the May 15, 2000 DXN: Gerry Thomas, Pensacola, FL had to delay the release of the Quantum Phaser and Quantum Loop Pro because the circuit boards he'd ordered arrived half the physical size of the camera-ready artwork he'd supplied to the manufacturer, among other reasons.

## DX Tests Committee

You, too, can be a part of helping to bring back DX tests. Just talk to your local station - via a program director, engineer, or even the station owner - and let them know what tests are all about. Need more info? Contact DX Tests Committee Chairman Saul Chernos at [DXtests@bell.net](mailto:DXtests@bell.net) or 416-364-0725.

## NRC AM Radio Log, 30th Edition



The NRC AM Radio Log is unbound and three-hole punched for standard binders. Media Rate: \$25.95 to U.S. members; add \$3.00 to all other members; add \$3.00 to all Canadian members. Order from: NRC, 1473251, [www.nrc.org](http://www.nrc.org).

**Sold Out!**  
**31st Edition will be available after September 1**

Aurora CO - 80017  
(CO residents, please add 3.5% sales tax.)



# AM Switch

**Bill Hale** w\_r\_hale@sbcglobal.net  
6124 Roaring Springs Drive  
North Richland Hills, TX 76180-5552



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

## CALL LETTER CHANGES

	<u>Old Call</u>		<u>New Call</u>
730	WNAK	PA Nanticoke	WZMF
910	WWWR	VA Roanoke	WFJX
1000	WNSI	AL Robertsdale	WBZR
1050	WIQB	SC Conway	WHSC
1140	WJNZ	MI Kentwood	WVHF
1230	WIKB	MI Iron River	WIKB
1320	WTSJ	VT Randolph	WCVR
1340	NEW	CA Jackson	KVGC
1450	WHSC	SC Hartsville	WTOD
1560	WTOD	OH Toledo	WWYC

## WLES AM 590



## ON THE AIR

580	WLES	VA <b>Bon Air - Is operating here under a Special Temporary Authorization (STA) with U1 600/58, relocating to 37-30-52/77-30-28.</b> WLES (formerly licensed on 590) and WLVA [see item below] were granted simultaneous CPs to trade frequencies. WLVA is not ready to move to their new transmitter site (and 590) as of yet, thus these temporary facilities with reduced power levels.
580	WLVA	VA <b>Lynchburg - Is operating under an STA with U1 62.5/3.8 (correct) from a long wire.</b> [See WLES item above]
820	WCPT	IL <b>Willow Springs - CP for U2 5000/1500 is on the air. The new night facilities are a 6-tower array at 41-32-30/88-02-03, about 30 miles southeast of the day site. The new night pattern directs the signal to the northeast, directly away from Fort Worth. They also have been issued an auxiliary license for D1 3200/0 from the tower of co-owned WSBC-1240 at 41-58-53/87-46-20. So, WCPT has three licensed broadcast sites.</b>
820	WGGM	VA <b>Chester - Licensed for U4 10000/1000, WGGM is operating under an STA with U1 2500/250 from tower # 3 of their 3-tower array, due to theft of a portion of copper ground associated with their ground system.</b>
890	KTXV	TX <b>Mabank - Licensed for U4 20000/250, KTXV is operating under an STA discontinuing nighttime operation.</b> The reason given is that since it provides programming in Vietnamese to the Dallas-Fort Worth area, their nighttime signal does not reach its core audience. Therefore, it is not economical to operate at night. So, <b>they are now D3 20000/0.</b>
940	KGMS	AZ <b>Tucson - Coordinate correction to 32-12-03 / 111-01-05.</b>
950	KJTV	TX <b>Lubbock - Licensed for U4 5000/500, KJTV had been operating on an STA with D1 1000/0 due to the loss of their transmitter and associated hardware in a fire since 2005. They have now returned to their licensed facilities but with slight variances to their patterns as final adjustments are made.</b>
1040	WZSK	PA <b>Everett - Licensed for D1 10000/0 CH 4000, WZSK is now operating on an STA with D1 2500/0 CH 2500.</b> The reason given is "that to repair their primary transmitter would place an undue financial burden on the licensee due to the current economic conditions." I guess they're saving on their power bill.
1170	WACV	AL <b>Montgomery - Licensed for U4 10000/1000, WACV is operating under an STA with U1 4500/7 due to "weather-related damage".</b>
1080	WNWI	IL <b>Oak Lawn - CP for U2 3000/2600 is on the air.</b>
1090	KULF	TX <b>Bellville - Licensed for D1 250/0, KULF has applied for D3 1000/0 CH 1000. They are now operating under an STA with D1 131/0 CH 131. KULF lost its licensed transmitter site. They are now using a folded unipole antenna mounted on a self-supported 110-foot trailer-mounted tower at 29-56-06/96-07-49 while they negotiate for a new tower location.</b>
1130	KTRP	OR <b>Mount Angel - CP for U4 25000/490 at 45-04-35/122-48-27 is now on the air.</b>

They have submitted an application for U4 50000/490.

- 1140 KLTK AR Centerton - CP for D1 5000/0 is now on.
- 1150 WSNW SC Walhalla - CP for U1 370/58 is on, moving from Seneca. The day transmitter is moved to 34-44-33/83-04-16, while the night transmitter remains at 34-41-15/82-59-16.
- 1280 KZNS UT Salt Lake City - CP for U4 50000/670 is on the air. [frequency correction from Issue 25]
- 1360 KDJW TX Amarillo - CP for U4 6000/320 is on (although under authority of an STA at this time while final Proof of Performance is being done). They built five new towers (using 5 by day; 3 at night) at 35-14-32/101-47-02. The new day pattern is basically a circle based at Amarillo headed northwest with small lobes toward the ENE and SW. The night pattern sends the signal in almost equal lobes to the ENE, SSE and NNW, with a larger lobe to the SW.
- 1440 WGLD PA Manchester Township - Is now operating under an STA with U1 730/53. They've made the change in City-of-License from Red Lion and relocated their tower to 39-59-58/76-44-44 co-located with WSBA-910.
- 1550 WAZX GA Smyrna - Is now on on the air with U5 50000/16, lowering their nighttime power while eliminating the night DA.

#### GRANTS FOR NEW STATIONS

- 1090 NEW UT Providence - CP granted for U2 5000/250 from three towers at 41-42-43/111-48-12. The night pattern throws a major lobe to the NW with a smaller lobe off the back, and one to the NE.
- 1290 NEW UT Santa Clara - CP granted for U4 2000/250 from four towers (4 day and night) at 37-09-16/113-39-105. Santa Clara is located near St. George.



#### ACTIONS

- 910 WSBA PA York - Coordinate correction to 39-59-57/76-44-43.
- 940 KGMS AZ Tucson - Coordinate correction to 32-12-03/111-01-05.
- 1060 WILB OH Canton - CP granted for D4 15000/0 CH 15000, increasing their day power and adding that CH designation. The new day and CH antenna patterns are virtually identical, throwing the bulk of the signal due west. The new day pattern travels slightly east of Canton, whereas the CH pattern has that signal drawn in to protect KYW Philadelphia.
- 1120 KTXW TX Manor - CP amendment granted (for this unbuilt station) for U4 430/153.
- 1150 KOLJ TX Quanah - CP granted for U1 530/77.
- 1190 WAGE VA Leesburg - CP granted for U4 50000/1300 moving to four new towers (3-day/4-night) at 39-07-25/77-37-21, increasing both day and night powers and moving from 1200 kHz. The new day pattern is basically a circle based at Leesburg and directed southeast, while the night pattern is a long lobe directed southeast with smaller lobes headed SW, NW and NE.
- 1210 WDGR GA Lawrenceville - CP granted to change City-of-License from Dahlonega with U11 20000/1 CH 12000, increasing the day and CH powers, plus adding that entire 1 Watt at night. Two new towers are authorized at 33-57-26/84-00-23. Lawrenceville is located northwest of Atlanta and about 40 miles due south of Dahlonega. U11 is the designation for Day and CH directional operation and non-DA at night. Both day and CH patterns are jelly bean-shaped with a null toward the northeast. This location is barely outside of the theoretical nighttime protected zone of WPHT Philadelphia. Oh. One other item . . . the station is currently listed as being silent.
- 1220 WOTS FL Kissimmee - CP granted for U4 2500/210, increasing both day and night power levels.
- 1240 WEZR ME Lewiston - CP granted for U1 1000/860.
- 1270 WNLS FL Tallahassee - CP granted to decrease their nighttime power and go non-directional as U1 5000/110 at the adjusted coordinates of 30-25-44/84-19-43.
- 1290 KALM MO Thayer - Coordinate correction to 36-33-23/91-33-05.
- 1340 CIBQ AB Brooks - Has been granted a CP to move to 105.7 MHz with 14 kW at 46 metres. The new FM station will maintain CIBQ's Country format, plus will continue with their community-oriented programming.
- 1360 WHNR FL Cypress Gardens - Is now operating under an STA with U1 1250/625 as one of their three towers has fallen.

- 1410 WNGL AL **Mobile - CP granted for U4 5000/4600 moving to 30-42-25/88-03-45.** The new night pattern will be essentially the same as the old one: a kidney shape with the null toward to the north.
- 1480 WEEO PA **Shippensburg - Is continuing to operate under an STA with U1 406/9** from a temporary 150' tower with a unipole antenna.
- 1540 WKVQ GA **Eatonton - Licensed for D1 1000/0** on 1520, WKVQ holds a **CP for D1 10000/0 CH 1600 moving to 1540.** The move was contingent with WDCY-1540 Douglasville moving to 1520, which is taking longer than they anticipated. In February, WKVQ filed for an 'interim' **CP for D1 1000/0 on 1540** in order to complete the frequency move before their original CP time limit had run out. That request has been approved, and they continue to hold the CP for 10000 Watts.

#### AMENDMENTS TO CONSTRUCTION PERMITS

- 1190 KQQZ MO **University City - Licensed for U4 10000/22** at Desoto, **KQQZ has a CP for U4 10000/6500 moving here.** This amendment requests U4 1000/1000 moving to Fairview Heights, Illinois.

#### APPLICATIONS

- 750 KSEO OK **Durant - Licensed for D1 250/0,** KSEO applies for D1 220/0 CH 220 moving to a new transmitter site at 34-02-12/96-25-37.
- 1100 KFAX CA **San Francisco - Applies for U4 50000/50000,** changing from U3.
- 1390 WLAN PA **Lancaster - Licensed for U4 5000/1000,** WLAN applies for U1 1100/18 moving to the nearby tower of WLPA-1490 tower at 40-03-38/76-18-59.
- 1450 WPSE PA **Erie - Applies for U1 1000/826.** Although the FCC database lists **WPSE as being U1 1000/1000,** this application states that they currently are U1 623/623. There is no evidence of WPSE having those power levels.
- 1590 WSMN NH **Nashua - Applies for U4 5000/5000** (currently U3).

#### AMENDMENTS TO APPLICATIONS

- 1240 NEW HI **Keaau - Initial application was for U1 1000/1000.** This amendment requests U1 5000/1000 on 1250 kHz.
- 1420 NEW NM **Rowe - Initial application was for U1 2900/124.** This amendment requests U1 2500/103.
- 1600 KAHZ CA **Pomona - Licensed for U2 5000/5000,** KAHZ applied for U4 10000/20000. This amendment requests U4 7500/25000.

#### APPLICATIONS FOR NEW STATIONS

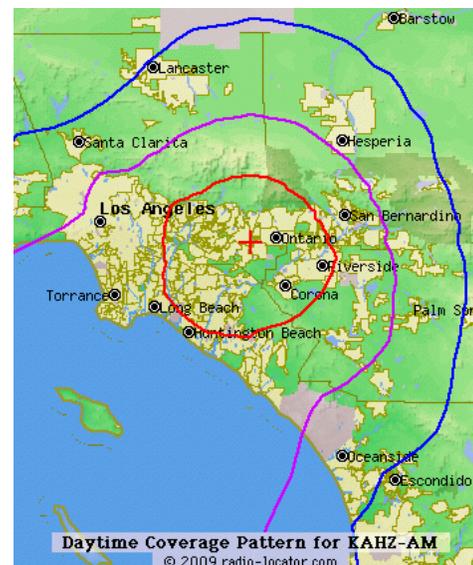
- 1240 NEW HI **Kahului - Applies for U1 1400/1400** (correct).
- 1240 NEW UT **Green River - Applies for U1 250/250.**
- 1260 NEW AK **Kotzebue - Applies for U1 700/700.**
- 1320 NEW OR **Merlin - Applies for U4 1000/1000.** Merlin is located west of Grants Pass.
- 1490 NEW NM **Flora Vista - Applies for U1 250/250.** Flora Vista is located in the northwest part of New Mexico near Farmington.
- 1490 NEW TX **Alpine - Applies for U1 1000/950.**
- 1520 NEW OR **Merlin - Applies for U2 5000/4000.** Same Merlin as in 1320 application!
- 1580 NEW CA **Red Bluff - Applies for U2 3000/1500.**

#### LICENSE RENEWALS GRANTED

- 1180 KYET AZ **Golden Valley**
- 1240 KPBL TX **Hemphill**
- 1260 WI3XSO PR **Aguadilla**
- 1260 WI2XSO PR **Mayaguez**

#### AM on FM

- 680 WMFS TN **Memphis - WMFS-FM (92.9) Memphis**
- 730 WZMF PA **Nanticoke - WWRR (104.9) Scranton \***
- 730 WZMF PA **Nanticoke - W283BJ (104.5) Exeter \***
- 930 WGIN NH **Rochester - WQSO (96.7) Rochester**
- 1000 WBZR AL **Robertsdale - WNSI (105.9) Atmore**
- 1050 WHSC SC **Conway - WJXY-FM (93.9) Conway**



1110	KGFL	AR	Clinton - K237DT (95.3) Greenbriar
1230	WAYX	GA	Waycross - W242BE (96.3) Waycross
1230	WMOU	NH	Berlin - W257CP (102.3) Berlin
1400	KHCB	TX	League City - KALD (91.9) Caldwell
1450	KGRE	CO	Greeley - KRKY-FM (102.1) Estes Park
1450	KGRE	CO	Greeley - K271BN (102.1) Estes Park
1480	WJFX	TN	Johnson City - W275BP (102.9) Jefferson City
1490	WKDR	NH	Berlin - W231BW (94.1) Littleton
1490	WUVR	NH	Lebanon - WNTK-FM (99.7) New London
1660	KRZI	TX	Waco - K265DV (100.9) Temple



\* - WZMF has been reported as being silent (see list of silent stations), so the status of the FM stations listed above, is uncertain.

#### APPLICATIONS FOR RECONSIDERATION

740 W DGY WI Hudson - Application for D3 5500/0.

#### DISMISSALS/CHANGES

630	KTKK	UT	Sandy - Application for U4 935/484 has been dismissed. <b>KTKK remains U4 1000/500.</b>
650	NEW	ME	Raymond - Application for U4 500/2000 for this unbuilt station.
670	WVVT	VT	Essex Junction - <b>Having a CP for U7 50000/300 CH 20000</b> , this unbuilt station applied for U7 15000/260 CH 11000 moving to East Greenbush, New York. That application has been dismissed.
730	WMTC	KY	Vancleve - <b>Licensed for U4 5000/50</b> , WMTC held a CP for U4 13000/50. That CP has been deleted.
770	NEW	FL	Baldwin - CP for U4 50000/410 at Nassau Village-Ratliffe is dismissed. This leaves an application for U4 50000/500 here.
790	WPNN	FL	Pensacola - <b>Licensed for U1 1000/66</b> , WPNN applied for D1 3000/0 CH 3000 moving to 780 kHz. They have subsequently deleted the CH portion of that application.
990	KAML	TX	Kenedy-Karnes City - <b>Licensed for U1 250/70</b> , KAML applied to move to Mathis with U4 500/200, which the FCC dismissed citing overlapping interference to co-channel stations. KAML has asked for reconsideration twice. Both of which have been dismissed.
1030	WGYV	IN	Aurora - <b>Licensed for D1 1000/0 on 1380 kHz at Greenville, Alabama, WGYV has a CP for D3 250/0 here.</b> They submitted an amendment, asking for D4 500/0 CH 500, which has been dismissed.
1080	WOAP	MI	Owosso - Application for U4 50000/4500 moving to Waverly. <b>WOAP remains D1 1000/0 at Owosso.</b>
1200	WRWB	WV	Huntington - <b>Licensed for U1 5000/72 on 1470 kHz</b> , WRWB holds a <b>CP for U1 22000/9 CH 8000</b> . They submitted an amendment for U1 22000/9, which has been dismissed.
1260	KBSZ	AZ	Apache Junction - <b>Licensed for U1 350/100 on 1250 kHz at Wickenburg, KSBZ holds a CP for U1 800/50 here.</b> They requested an amendment for U1 3500/50 which has been dismissed. Note: station is currently silent.
1320	KSDT	CA	Hemet - Applications for U4 230/400 and U4 230/285 are dismissed. <b>KSDT remains U4 500/300.</b>
1340	KRLV	NV	Las Vegas - Application for U1 1000/900. <b>KRLV remains U1 1000/1000.</b>
1450	WMVG	GA	Milledgeville - Application for U1 550/550 has been dismissed. <b>WMVG remains U1 1000/1000.</b>
1500	WOLY	MI	Battle Creek - Application for reconsideration of FCC action to delete station.

#### LICENSE CANCELLATIONS/CALL LETTERS DELETED

770 K JCB LA Lafayette

#### HEAR AND THAR

- ◆ Returning to the airwaves: WTOD-1450 Hartsville, South Carolina with ESPN Sports.
- ◆ Reported as Silent: WZMF-730 Nanticoke, Pennsylvania\*; WZZX-780 Lineville, Alabama; WNHV-910 White River Junction, Vermont; WQVA-1170 Lexington, South Carolina; WMON-

1340 Montgomery, Alabama; WSEL-1440 Pontotoc, Mississippi; WABV-1590 Abbeville, South Carolina.

◆ **News Item:** Broadcast radio consultant Richard Arsenault has a bold idea to offset electrical interference to the reception of AM radio in the United States. He is petitioning the Federal Communications Commission to allow virtually all AM stations, if they wish, to increase daytime power 10-fold or, if that's not possible, at least four-fold. This is separate from his earlier petition, addressing pre-sunrise authorization rules, on which the commission is taking comment. Arsenault argues that the AM service has suffered serious degradation of coverage from interference caused by new technologies. He cites broadband over power lines, computers, appliances like microwave ovens, energy efficient fluorescent lighting with integrated solid-state switching circuitry "and virtually all other electronic devices and services." In his eyes reception of AM radio is almost useless in many areas. "Typically, co-channel and adjacent channel interference are no longer the limiting factors to interference-free reception during daytime hours," he told Radio World in a summary of his new petition. "The commission established service contours and interference protection ratios at an earlier time when interference from existing electrical equipment was minimal and interference from digital electronics did not exist. At that time, the protected contours and the interference ratios made sense. Unfortunately, they were calculated without available foresight of the future digital technological revolution." Arsenault says few radios are capable of satisfactory reception under the protected daytime service areas out to the 0.5 mV/m contour that applies to most AMs. "What we currently have are AM broadcast stations adequately protecting each other in the AM radio band, but these same stations are not receiving protection from the intense electromagnetic interference from unintentional sources." He wants the FCC to rethink its protected service contours: "The sources of electromagnetic interference are part of our current lifestyle and will only get worse." Increasing power during daytime hours would solidify daytime coverage of participating stations without altering the interference ratios between them. "I recommend that a ten-fold (10 dB) power increase be adopted. If this can not be achieved, alternately, power increases of four-fold (6 dB) could be adopted and still be significant. Ultimately, anything less than a doubling of power (3 dB) would be almost insignificant." Arsenault suggests that the FCC allow the increases during a five-year window. He also suggests a grace period to allow stations that elect to participate the time to install upgrades. Stations would need only to send a letter to the FCC specifying the degree of power increase and date of implementation. "All future interference calculations could be made utilizing the previous lower power levels of all stations, simplifying future allocation issues." As to border areas and those where "a salt-water interference path to foreign stations exists", stations could use directional antennas or a partial power increase. Arsenault would limit the power hike to daytime hours, at least at first, until nighttime interference concerns could be worked out. He concludes: "AM radio service will further decline without serious intervention to remedy the interference issue as the ratio of the unintentional interference to AM radio will only increase further with the addition of each new technology. The time to get the static out of AM radio is past due."

◆ **News Item: AM Daytimers Need to Begin Service Earlier, Some Say** - Some AM broadcasters agree that daytimers should be allowed to begin pre-sunrise service earlier, to be more competitive in their markets during morning drive. Their comments were filed with the Federal Communications Commission on Richard Arsenault's proposal to allow AM daytimers on regional channels to begin pre-sunrise service earlier (RM# 11599). Four broadcasters filed comments on the petition; all support the concept and most believe it should be expanded to include all AM daytimers. No one opposed the concept, and no non-station comments were filed. Arsenault, who describes himself as an acquisitions and technologies consultant, said in his proposal that AM daytimers are at a competitive disadvantage during morning drive, which typically begins at 5 to 5:30 a.m. in most areas. Those AM signals are unlistenable at that time and most listeners won't try to tune in an AM still operating with its nighttime signal, he argues. That's why the New Jersey-based consultant proposed that the FCC allow Class D and Class B stations operating on regional channels to begin operations at 5 a.m. — rather than the current 6 a.m. — under PSR authority with up to 500 watts. He believes up to 2,063 Class Ds and Bs could benefit. Much has been said in Radio World and elsewhere about the need to give AM stations regulatory relief, and it's rather surprising that this proposal attracted only four comments, with none from smaller radio groups or from the NAB. Maybe other small-station owners feel that this proposal isn't a big deal, or that the problem isn't as big as Arsenault thinks it is. The number of comments might suggest it's not a burning priority, even for those who often say that AM needs regulatory relief. Bustos Media told the FCC the scope of the change should be widened beyond AM daytimers operating on regional channels, to apply to all AM daytimers. Bustos pointed out, for example, that "the need for an early morning start for many commuters has caused prominent local radio stations in the Washington-Baltimore area to start weekday morning radio programs at 5 a.m., rather than at the traditional 6 a.m."

◆ **News Item: FM HD Radio is Becoming a Fact of Life for American Radio** - If there was anything notable from the radio side at the 2010 NAB Show, other than a sense that the worst is over,

it's that HD Radio has become more of a fixture than a question mark, at least on FM. Starting with transmitters, the emphasis was on how to achieve new maximized FM IBOC digital power levels without busting budgets. At Continental Electronics, the answer is a textbook approach: take a big tube, bias it into the most linear portion of its operating curve, and everything will work just fine, albeit with a bigger power bill at the end of each month. At Broadcast Electronics, there was talk of Vector Power Enhancement, which promises to use an advanced crest factor control to improve efficiency of final amplifiers now forced to operate more like audio than RF devices. In other words, all the transmitter manufacturers are in touch with the fact that higher-power FM digital is something that's top of mind for broadcasters. The trick of course, is how to make it happen in an affordable way. Nautel also showed its established HD Power Boost system. On the application side, there seems to be no shortage of imagination. Ibiqity demonstrated that the new CAP requirement for EAS is a good match with the ancillary data capacity of HD Radio, work continues on developing electronic program guides (EPGs), and the term "quadcast" drives home the fact that multichannel delivery is the *raison d'être* driving HD Radio adoption. Refinements such as automatic digital/analog time alignment, improved data importing and better Studio-to-Transmitter Link options, all make FM HD Radio feel less daunting than in the past. But it's the end user side that's really beginning to look as though HD Radio is here to stay. A plethora of receivers were on display in all sizes, shapes and form factors. And when compared against major digital radio platforms such as DRM and DAB/DMB, this is where HD Radio really stands out. There's a lot of product out there, despite the fact that uptake has been slow, and iBiquity deserves a lot of credit for that. It's also a fact that hasn't gone unnoticed in Mexico, Brazil, Switzerland and (reportedly) China. The future for AM HD Radio doesn't feel nearly as secure. Ibiqity seems to have made a concession to the reality of staying alive here and now on the medium-wave band by offering a compromise mode of AM IBOC that trades down digital bandwidth for acceptable analog audio quality. Among AM license holders, interest these days seems to have shifted from a digital solution to AM's woes to what's available in the next FM translator filing window. To be sure, AM IBOC still has a few champions, but looking at receivers, it's clear their passion isn't moving anyone at the retail level. Long wavelengths remain a huge handicap in an era of tiny, processor-driven devices. Every year since IBOC launched in 2002 has been viewed as make-or-break for the technology. With no sharp upward knee in consumer adoption yet apparent, critics have pronounced HD Radio DOA many times. But the 2010 NAB Show succeeded in reinforcing the feeling that FM HD Radio is becoming a fact of life for American radio, regardless of its leisurely acceptance by public and broadcaster alike.

◆ **Thanks to: Shawn Axelrod, Gerry Conkling, Harold Frodge, Wayne Heinen, Dave Schmidt, HDRadio.com and Radio World Online.**

# Geomagnetic Summary

**Phil Bytheway** phil\_tekno@yahoo.com  
9705 Mary NW  
Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

## Geomagnetic Summary February 1 through February 28 2010

SWF - Space Weather Forecast

maf - major flare

mas - major storm

mis - minor storm

pca - polar cap absorption

SWT - Space Weather today

spe - satellite proton event

ss - severe storm

Tabulated from email status daily.

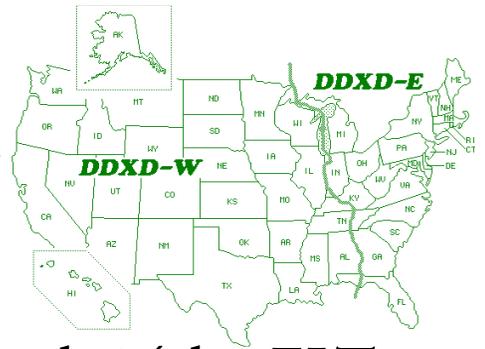
<u>Date</u>	<u>Flux</u>	<u>A</u>	<u>K</u>	<u>Space Wx</u>	<u>Date</u>	<u>Flux</u>	<u>A</u>	<u>K</u>	<u>Space Wx</u>
2/ 1	75	6	3	no storms	15	88	15	3	no storms
2	75	10	4	no storms	16	87	14	3	no storms
3	74	11	1	no storms	17	87	5	3	no storms
4	74	1	0	no storms	18	85	5	0	no storms
5	78	1	1	no storms	19	84	5	2	no storms
6	88	4	1	minor	20	84	2	1	no storms
7	90	3	2	moderate	21	84	2	1	no storms
8	94	4	2	minor	22	84	4	1	no storms
9	91	2	1	no storms	23	84	3	0	no storms
10	91	3	1	no storms	24	83	3	0	no storms
11	94	6	1	no storms	25	83	2	2	no storms
12	96	7	1	moderate	26	81	1	0	no storms
13	94	4	1	no storms	27	79	1	0	no storms
14	89	3	2	no storms	2/28	78	2	1	no storms

# Domestic DX Digest

**West: Jim Tedford** Radio\_Enthusiast@hotmail.com  
20310 Bothell-Everett Highway B4 - Bothell, WA 98012-8133

**East: Mike Brooker** aum108@idirect.com  
99 Wychcrest Ave - Toronto, Ontario M6G 3X8 CANADA

(Division line  
is between East  
and Central time  
zones)



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

### DDXD-West

Soaked greetings from the schizophrenic-weather Pacific Northwest. Although winter is so over, in the last five days we have had sunny and warm, Noah-worthy downpours, hail, frosts and wet snow. Still, we have it easy compared to a lot of the country.

Thanks to all showed up this month. A special shout out to reporter James Niven from Texas.

#### Reporters

**DP-HI** Dale Park, Honolulu, HI Sangean ATS-818CS, Terk AM1000 loop  
**JDS-MN** Jeff Steffes, Watertown, MN Kenwood R-2000, Quantum QX Loop  
**JEL-MO** J.E. Lewis, Kansas City, MO Honda Odyssey car radio  
**JN-TX** James Niven, Cedar Creek TX Icom R71A, 150 ft. longwire.  
**JW-CO** John Wilkins, Wheat Ridge, Colorado Drake R-8, 4-foot box loop  
**RV-TX** Robert Vance, El Paso, TX WinRadio G303e/PD, 115 ft amplified temp random wire, 3 sq meter amplified air loop

#### Station News

**670 KPUA HI Hilo** 4/29 0359. ID "67 AM KPUA Hilo," Kelly Preston PSA for Narc-Anon, CBS nx. Logged for NRC DX Contest. Stn no longer audible in the daytime since it was announced the stn was granted permission by the FCC to halve its power to 5 kW. I called the stn 5/04 to find out when this change occurred, but the receptionist seemed confused and blamed the lack of daytime signal to either sunspots or electrical problems! **(DP-HI)** I guess on one level all radio transmission problems are electrical problems **(JDT-WA)**

**1500 KUMU HI Honolulu** Apr. 2010 To add to last month's Station News item, KUMU-FM 94.7 (relayed by KUMU-1500) has dropped Delilah nightly 0100-0600 in favor of a local-style "Quiet Storm" show. Slogans include "94-7 Ku-mu" and "Always Better Music." **(DP-HI)**

#### DX Logs (All Times ELT)

**560 KWTO MO Springfield** 05/02 2306. Local weather report with current temp 61 degrees, into Station ID: "AM 560 KWTO." **(JDS-MN)**

**700 KALL UT North Salt Lake City** 4/11 0810. Noted here with ESPN, ID announcement "KALL (said as 'call') 700 Sports." **(RV-TX)**

**710 KCMO MO Kansas City** 05/02 2330. "KCMO talk radio seven-ten" into national news, followed by KCMO talk radio seven-ten forecast. **(JDS-MN)**

**740 KTRH TX Houston** 4/19 2200. Fox news, then local weather. Good to excellent O/CFZM. Very rare here since they have a deep null in this direction. **(JEL-MO)**

**750 WSB GA Atlanta** 05/03 2147. Station ID: "News talk 750 WSB, depend on it" **(JDS-MN)**

**850 KJON TX Carrollton** 5/6 20:55. Good to excellent and alone with REL in SS, mention of Dallas/Ft. Worth, but no EE CL's. First time with KOA usually heard here. **(JEL-MO)**

**870 WWL LA New Orleans** 05/03 2220. Announcer interviewing person involved with clean-up of Gulf oil spill, into "Tommy Tucker Night Shift on 870 WLW" **(JDS-MN)**

**880 KRVN NE Lexington** 4/2 0750. Up when I tuned to 880 with local nx, wx, then CW mx. Faded out soon in competition with XEV-Chihuahua and another unID SS. **(RV-TX)**

**910 KJJQ SD Volga** 04/25 0850. Local commercials with references to Brookings, followed by KJJQ Weather with current temp 46 degrees, into Cowboy Corner with

song: *I Saw the Light*. (JDS-MN)

- 930 KOGA NE **Ogallala** 4/15 0812. Nostalgia and light Oldies music; signal jumped up at 0815 power increase; ID and local sports at 0821; more music followed. Fair/good. (JW-CO)
- 930 KSEI ID **Pocatello** 4/15 0750. Mike and Mike on ESPN in progress; 0752 break for Idaho news, sports, and weather, then last few minutes of M&M; 0759:52 legal ID by female voice: "You're listening to ESPN on East Idaho's sports leader - AM 930 KSEI Pocatello and AM 1230 KRXX Rexburg" -back to ESPN at ToH. Fair, mixing with others. (JW-CO)
- 
- 950 KRWZ CO **Denver** 4/3 0715. Fair-to good with "Cruisin' Oldies 950". Had to linger a bit to listen to 60's tunes. (RV-TX)
- 960 WSBT IN **South Bend** 04/25 2147. The Dave Ramsey show into Station ID: "You're listening to the home of Notre Dame and the Fighting Irish on news talk 960 WSBT" (JDS-MN)
- 970 KVWM AZ **Show Low** 4/4 0551. In-and-out with local XEJ phased with Coast-to-Coast; TOH ID "You're listening to Northeastern Arizona's (word unintelligible) news..." then into Fox Nx. TOH announcement also mentioned // KDJI-Holbrook. (RV-TX)
- 1110 KFAB NE **Omaha** 4/18 0630. Poor with local XEWR phased with paid advertisements. (RV-TX)
- 1150 KSAL KS **Salina** 4/18 0555. mixing with XESO-Sonora with local KHRO phased with Coast-to-Coast and ABC Nx at TOH. Caught CL ID at 0606 between network ads and Bill Miller Show. Caught local ads at 0610. (RV-TX)
- 1190 KFXR TX **Dallas** 4/11 0652. In with local XEPZ phased with 90's pop then legal TOH ID followed by CNN Nx. Fair with fading. (RV-TX)
- 1290 CFRW MB **Winnipeg** 05/01 0709. Song: *The Night They Drove Old Dixie Down*, Joan Baez, into Station ID: "We do it for you on CFRW" (JDS-MN)
- 1290 WIRL IL **Peoria** 03/26 2109. Song: *All My Rowdy Friends Are Coming Over Tonight*, Hank Williams JR, Into Station ID: "Classic Country Music WIRL" followed by Song: *Before the Next Teardrop Falls* by Freddie Fender. (JDS-MN)
- 1290 WKLJ WI **Sparta** 05/01 0711. Motel 6 Commercial, followed by spot for "Baseball from the city of brotherly love on ESPN radio" into Station ID: "Your Badger sports station ESPN radio 1290 WKLJ" (JDS-MN)
- 1300 KBRL NE **McCook** 4/26 0750. Political ad, area weather, ID as "The Big Talker KBRL". Fair, over/under QRM. (JW-CO)
- 1330 WKDP KY **Corbin** 3/27 0458. Up long enough to get "You're listening to WKDP-AM...". In mix with KNSS-Wichita and two SS stations. Recorded...I had to replay this one a few times to be sure. (RV-TX)
- 1340 KWLM MN **Wilmar** 05/01 0738. Commercial for radio program *Access Minnesota* on KWLM, into weather with current temp 45 degrees, followed by KWLM news update. (JDS-MN)
- 1350 KCOR TX **San Antonio** 3/27 2055. SS mx "La primera con super exito, KCOR, trece-cin-cuenta." No legal ID heard at TOH but it did briefly fade during that period so maybe they did. (RV-TX)
- 1350 KDZA CO **Pueblo** 3/27 2255. Noted with Fox Sports News and "...KDZA, Pueblo/Homer 13-50. TOH ID. (RV-TX)
- 1380 KBWD TX **Brownwood** 4/11 0620. Noted with local KHEY phased. Announcement mentioned the station (along with KOXE 101.3) was the primary EAS stations for the area. Singing CL ID. (RV-TX) I'm stunned that a station even knows it is the primary EAS station for the area, let alone promote it. (JDT-WA)
- 1380 KUVR NE **Holdredge** 4/25 0804. Oldies music, call letter ID's, Fair, mixing with KOTA; IBOC slop from KGNU-1390 mostly nulled. (JW-CO)
- 1400 KEZL CA **Visalia** 3/29 0500 Came up for air with CL ID and mention of // KCBL-1340 before submerging back into the graveyard. (RV-TX)
- 1400 KQDJ ND **Jamestown** 03/26 2203. Reference to Buffalo City, Station ID: KQDJ Classic Hits" followed by Song: *Amy* by Pure Prairie League (JDS-MN)
- 1410 KIIX CO **Ft. Collins** 4/16 0700. With 70's pop with "This is KIIX; Ft. Collins, Loveland, Greeley. America's best music stops (or starts?) here." into ABC nx. (RV-TX)
- 1410 KNVR TX **San Saba** 4/15, 2137. Popped through KRIL-Odessa, TX and an unID SS; along with splatter remnants from phased local XEF-1420 with announcer

- giving the CL and talking about a local sports event. **(RV-TX)**
- 1410 KRIL TX **Odessa** 3/31 2250. Faded up with CWM. TOH ID: "Real Country, KRIL, Odessa-Midland, a Cumulus Media station..."; with the "Real Country" part sung. Had to phase local XEF-1420 since its splatter was too much even using LSB on 1410. Back in the mud by 2310 but in and out all evening. **(RV-TX)**
- 1410 KSGO KS **Wichita** 4/1 0726. CL ID heard under another station "...KSGO, Wichita...", followed by an ad for an upcoming investment seminar in Wichita on 4/6. Poor through phased local XEF-1420. **(RV-TX)**
- 1420 KJDL TX **Lubbock** 4/8 0355. In through phased local XEF with classic CWM using "Rebel Radio" slogan. CL's before TOH, CBS Nx at TOH mixing with KMOG-Payson, AZ. Ah, the wonders of phasing. Heard a couple more times later in the morning. **(RV-TX)** 4/24 0747. Out of C&W song with ID by guy: "The greatest artists of Country Music right here on KJDL Lubbock," followed by more music; soon lost to QRM (mostly XEF and KULY). A needed call change here, es-KLFB. **(JW-CO)**
- 
- 1420 KMOG AZ **Payson** 4/8 0400. Sudden fade up with legal ID "...1420, KMOG, Payson." then ABC Nx, local nx, then wx and ads followed by ID: "Rim Country Radio, 1420, KMOG". Also through phased local XEF. **(RV-TX)**
- 1430 KLO UT **Ogden** 4/9 2130. Good signal with local ads then "KLO Weather", followed by ad for *The Michael Savage Show*, then back to *The Rusty Humphries Show*. **(RV-TX)**
- 1430 KTBZ OK **Tulsa** 4/9 2055. Station announcement with CL followed by slogan ID "AM 14-30, the Buzz.". Poor with local XEF-1420 phased. Noted at 4/10 0800 with Fox Sports after CL ID and "Sportsradio 14-30" slogan. **(RV-TX)**
- 1440 KELG TX **Manor** 4/14 0000. Coming out of contemporary Christian song with CL ID and Radio Vida slogan followed by ID in EE and SS then back into mx. Mixing w / KEYS Corpus Christi since earlier in the evening, just never caught an ID. **(RV-TX)**
- 1440 KEYS TX **Corpus Christi** 4/13 2200. Heard portions promo/ID through the jumble "...Corpus Christi K-E-Y-S...at 1440keys.com..." and into ABC Nx. After nx and network ad there was a promo with the slogan "Newstalk 14-40, KEYS (maybe said as the word "keys")." **(RV-TX)**
- 1440 KPUR TX **Amarillo** 4/11 1955. Good w/ some fading with ESPN Brewers vs. Cardinals baseball. Started mixing with KRDZ and was gone by 2030 but in and out all night. ID's as "ESPN Radio for the Texas Panhandle, 1440 AM, KPUR, Amarillo.". **(RV-TX)**
- 1440 KRDZ CO **Wray** 4/11 2002. Popped up above KPUR with a commercial for The Meat Shoppe at 421 Main St in Wray, tel 332-9830; then into 'Oh Oh It's Magic' by ELO and going under KPUR but still mixing. Used "Timeless Classics" slogan and "Your station for classic hits." **(RV-TX)**
- 1440 WGEM IL **Quincy** 4/20 0500. Up just in time for "ESPN 1440, WGEM (word unintelligible) in Quincy..." then back to ESPN Radio. Definitely a surprise since I had gotten used to KPUR-ESPN all evening. Taped. **(RV-TX)**
- 1460 KLTC ND **Dickinson** 4/19 0859. C&W music, short ad, then legal ID at 0859:54: "This is AM 1460 KLTC Dickinson."; ABC news was next. Fair, topping KZNT and others. **(JW-CO)**
- 1490 KLGR MN **Redwood Falls** 05/02 0823. Song by Leann Rimes, followed by commercials with references to Redwood Falls, into Station ID: "KLGR 1490" followed by sports **(JDS-MN)**
- 1570 KVLG TX **La Grange** 04/19 at 1615. Country music and mentions of "Good Country, we deliver KVLG, KBUK 104.9" **(JN-TX)**
- 1620 KSMH CA **Auburn** 03/31/2010 0659. Catholic prayer mixed with WTAW in College Station, also found parallel online carrying the same program. **(JN-TX)**
- 1640 KFXV OK **Enid** 04/07/2010 at 0618 local time with good signal solid gospel music and many "The New Faith 1640." **(JN-TX)**

#### Propagational Strangeness

Glenn Hauser in Enid, OK reported an unusual MW DX opening on the afternoon of 4/20, which brought in numerous stations from Colorado, Wyoming, Nebraska, North and South Dakota, and Minnesota. DXing from his car radio, stations from Denver and the Front Range were especially strong. Some type of skywave? Residual ionization from the Space Shuttle (STS 131 crossed the area a few

hours prior) A weather-related enhancement?

Glenn's complete logs are detailed in DX Listening 10-16, available at <http://www.w4uvh.net/dxld1016.txt>

Wayne Heinen in Aurora, CO reports a VHF tropo spike the prior night to Scott City KS and Smith Center KS on the Rocky Mountain VHF+ Net (144.220) (<http://www.rmvhf.org/>) with 5/7 to 5/9 signals. Daytime was close to inversion quality temps in the 50's, humidity at 85% and better with fog that didn't burn off until 2200 UTC. Related somehow?

A nice varied selection of loggings this time. I hope that as we move from spring to summer you will remember that interesting DX is to be had all year round, and will spend some time at the radio. And report your experiences here. See you next time. (JDT-WA)

## DDXD-East

### REPORTERS

**1240**  
WSBC

**RB-NC** Ron Bailey, Marion – Sony SRF-39FP  
**SC-IN** Steve Chappell, McCordsville - Chrysler car radio, K9AY loop antenna  
**HF-MI** Harold Frodge, Midland - Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW  
**KK-VA** Kraig Krist, Manassas - NRD-545, Kiwa loop, homemade 134 foot multiband antenna running NW to SE.  
**JJR-MI** John J. Rieger, L'Anse - Sony ICF-SW7600GR  
**MKB-ON** Mike Brooker, Toronto – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-2200 (receiver emeritus)

### LOGGINGS

900 WDKW VA Staunton – 4/2 0653 – local weather report read by a small child, then C&W song followed by legal ID. (RB-NC)  
 WLSI KY Pikesville – 4/2 0657 – man with “WLSI, Pikesville” ID followed by woman with promo for talk show program on “how to save your marriage” My 450<sup>th</sup> station heard with ultralight. (RB-NC)  
 940 WKGM VA Smithfield - 4/12 1944 – Poor with slogan “This is 940 WKGM, your Ministry Station.” NEW! (SC-IN)  
 970 KQAQ MN Austin - 4/11 2313 - Very poor, slogan “Classic Country Radio KQAQ 970 AM.” NEW! (SC-IN)  
 1190 WIXE NC Monroe - 5/5 0355 – mix of talk, religious type singing and bluegrass music, ads with many mentions of North Carolina. (KK-VA)  
 1200 WXKS MA Newton - 4/12 1916 – in mix with call-in program about tea party political movement, ID as “12 hundred WXKS... Rush radio 1200 dot com...”. (KK-VA)  
 WAMB TN Nashville - 5/1 2015 - Good, ID as “This is 99.3 FM WAMB”, playing Adult Standards. NEW! (SC-IN)  
 1210 WSBI TN Static – 4/23 2300 – after months of frustration finally rising over WPHT's Phillies-Diamondbacks baseball game, woman (mostly) and man (at times) in SS with religious talk, several “Radio Vida” slogans heard. (RB-NC)  
 1220 WHKW OH Cleveland - 4/12 2001 – man with SNR News, “WHKW Cleveland” ID into program “Voice of the Christian Resistance”. (KK-VA)  
 1240 WSBC IL Chicago – 4/26 \*0600 - SSB and sign-on announcement “...beginning another broadcast day”, poor in mess. (JJR-MI)  
 1260 WNDE IN Indianapolis - 4/29 0355 – in mix with sports talk and station promos “... Fox sports... more.. WNDE dot com...”, “Fox Sports go... now!”, “Fox Sports 12-60 WNDE”. (KK-VA)  
 1270 WXYT MI Detroit - 4/28 0355 – in mix with “Sporting news radio” jingle, website promo “Sporting news radio dot com sporting news radio dot com” (yes repeated), ToH ID as “Detroit's number one sports station WXYT” into sports scores on “Sporting News Flash”. (KK-VA)  
 WHEO VA Stuart - 4/17 0616 - Poor, “That's the latest WHEO local news...local sports... WHEO.” NEW! (SC-IN)  
 WTSN NH Dover - 4/8 0605 – end of ABC News into local news, lotto numbers. “Rochester” and “Portsmouth” in local news and station ID as “WTSN AM 1270.” NEW! (SC-IN)  
 1280 WNAM WI Neenah-Menasha – 4/20 2120 - Rattlers minor league baseball; call ID spot

between innings and ad for Coach's Corner mentioning WNAM studios. On top at times but in/out with at least 4 other stations. **(HF-MI)**

- WYFC MI Alma** - 4/19 1911 - slogan "ESPN Sports Radio AM 12-80, Mid-Michigan's sports station", on top till 1953 when challenged by UNID "News-Talk 12-80"; Fox Sports & C&W also there. Evil IBOC hiss on both sides; LSB much better. **(HF-MI)**
- 1290 CFRW MB Winnipeg** - 4/25 0355 - oldies mixing with WHIO, "... online CFRW..." ID by man. **(KK-VA)**
- WHIO OH Dayton** - 4/25 0355 - in mix with CFRW, "... presented by WHIO... and Sons heating and cooling... and talk radio WHIO dot com..." into news, followed by Coast to Coast AM. **(KK-VA)**
- 1320 KOZY MN Grand Rapids** - 4/26 0630 - poor but over others with slogan "1320 KOZY, Your home for Classic Hits" into oldies. **(JJR-MI)**
- 1330 WSPQ NY Springville** - 4/21 2009 - over usual Erie, PA pest with "In the Year 2525" by Zager and Evans, into station promo "keeping you informed...right here on News Watch 1330...Classic Hits WSPQ". **(MKB-ON)**
- +++** - 4/21 0355 - in mix with other oldies station, male DJ with station promo "... the greatest music ever made weekdays from 12 to 3 13-30 WSPQ" into "After Midnight" by Eric Clapton. **(KK-VA)**
- WANG NC Havelock** - 4/21 1932 - in WBTM/WEBO/WSPQ mix with Gladys Knight song, "13-30 WANG" ID. **(KK-VA)**
- WEBO NY Owego** - 4/21 1932 - in WBTM/WANG/WEBO mix with "WEBO" ID by man into ad for auto parts, then into "Nascar Performance Tips". **(KK-VA)**
- WBTM VA Danville** - 4/21 1932 - in mix with C&W songs, man with "13-30... 793-1330 WBTM" station promo (with phone number) into song. **(KK-VA)**
- 1340 WAGN MI Menominee** - 4/26 0631- poor with end of CBS news update, promo for America in the Morning "on 1340 WAGN" in mess. **(JJR-MI)**
- 1350 WLOU KY Louisville** - 4/19 0355 - in mix with Bible-type talk and religious singing, man with station promo "... all the services... WLOU...". **(KK-VA)**
- WOYK PA York** - 4/19 1854 - in mix with WARF with Sporting News Radio, "This is WOYK..." ID into news by woman "I'm Kathy Paul and you're up-to-date with radio YK.", slogans "Sports radio 13-50 WOYK", "We're the big sport talker 13-50 WOYK". **(KK-VA)**
- WARF OH Akron** - 4/19 1854 - in mix with WOYK, minor league baseball game, station promo "... weeknights at nine on Akron's 13-50...". **(KK-VA)**
- WCMP MN Pine City** - 4/26 0645 - poor over others with call letter ID, NOS songs. **(JJR-MI)**
- WCHI OH Chillicothe** - 4/27 2016 - under WHWH/WOYK mix with "oldies radio 1350 WCHI" slogan into "Time of the Season" by the Zombies. **(MKB-ON)**
- 1360 WDRC CT Hartford** - 4/18 0355 - in mix with oldies and Fox sports stations, man with station promos "the Glenn Beck program here on the 'Talk of Connecticut'", "you're listening to Dr. Robert Hoffman WDRC AM 13-60". **(KK-VA)**
- 1370 WWCB PA Corry** - 4/15 1955 - in WGIV/WXXI/WSPD mix with oldies including "Sweet Home Alabama" "Night Moves", "Brick House", "September", "We Will Rock You/We Are The Champions" and "Soul Man", station promo "... your work and your play. AM 13-70 WWCB". "You're listening to the greatest hits of all time. AM 13-70 WWCB". **(KK-VA)**
- WGIV NC Pineville** - 4/15 1955 - in mix with endless gospel songs, woman mentioned "... see us in North Charlotte" (Pineville is near Charlotte), station promo "... every Sunday... WGIV...WGIV AM 13-70 AM...wgiv.net". **(KK-VA)**
- WXXI NY Rochester** - 4/15 1955 - in mix with NPR programming, ID as "... WXXI and online at wxxi dot org..." **(KK-VA)**
- WSPD OH Toledo** - 4/16 0355 - mixing with WXXI, station promo "... Brian Wilson... afternoons on WSPD superpower", Coast to Coast AM call-in show. **(KK-VA)**
- WLJW MI Cadillac** - 4/25 2130 - poor with local ID // 1400 WLJN. Lost to WSPD. **(JJR-MI)**
- 1380 CKPC ON Brantford** - 4/15 0355 - in mix with WKDM and ESPN station, playing oldies including "Helen Wheels", "Calendar Girl" and "When A Man Loves A Woman". Male DJ with "... your station... 13-80 CKPC...here's another memory on CKPC. Remember this 70's classic?" **(KK-VA)**

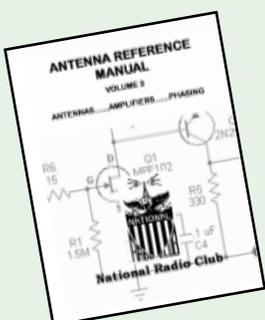
- WKDM** NY **New York** - 4/15 0355 – in mix with what sounded like Chinese talk, man with “WKDM 13-80 AM New York” ID in EE then back to Chinese. **(KK-VA)**
- WSYB** VT **Rutland** – 5/4 2004 – over usual CKPC with Red Sox game v. Angels, “let’s pause for station ID on the Red Sox WEEI network”, ID by woman inserted into break: “your source for Red Sox baseball...AM 1380 WSYB Rutland”. **(MKB-ON)**
- 1390** **KFFK** AR **Rogers** - 4/19 2133 - “Northwest Arkansas’ sports show” and several ads mentioning Bentonville (near Rogers). NEW! **(SC-IN)**
- 1410** **KQV** PA **Pittsburgh** - 4/12 0355 – in mix with WPOP, man and woman discussing Russia and the Soviet Union, woman talking about the trade deficit, website promo “... worldwide at kqv.com...” **(KK-VA)**
- WPOP** CT **Hartford** - 4/12 0355 - mixing with KQV with usual ESPN radio programming, station promos “ESPN Radio 14-10” “All Night with ESPN Radio”. “ESPN Radio WPOP”. **(KK-VA)**
- 1420** **WHK** OH **Cleveland** - 4/11 0355 – in mix with station promo “News talk 14-20 WHK proudly presents ‘The American...’ 1420whk.com while there click on the...”, man talking about dry chapped hands. **(KK-VA)**
- 1460** **KKAQ** MN **Thief River Falls** – 4/25 2036 – poor though on top with chatter into ads, “99.3 KKDQ” ID, C&W songs. **(JJR-MI)**
- 1480** **KKCQ** MN **Fosston** – 4/25 2103 – poor with end of ABC news, Jim Bohannon promo “on Talk & Oldies KKCQ” into oldies. **(JJR-MI)**
- 1550** **WLFP** PA **Braddock** – 4/15 1958 – over nulled CBE with Business Talk Radio Network program, ad for getting out of credit card debt, ToH ID “Lifestyle talk radio...this is WLFP”. **(MKB-ON)**
- 1560** **WYZD** NC **Dobson** - 4/28 2000\* - Poor over/under WQEW beginning to fade in. Sign off, “1000 Watts...thank you for listening to WYZD.” NEW! **(SC-IN)**
- 1610** **CHHA** ON **Toronto** – 4/23 1732 - ad string to “Voces Latinas” ID in SS. Fair with fading. **(HF-MI)**
- 1640** **WKSH** WI **Sussex** – 4/23 1736 – good on top with “Radio Disney AM 16-40” slogan, local ads for Harley Davidson Museum and Memorial Mall in Sheboygan. **(HF-MI)**
- 1650** **CINA** ON **Mississauga** – 4/23 1744 – good on top with Bollywood tunes; EE ad string including Madras Palace Restaurant in Brantford; slogan “all day, all night, 16-50 Seena Radio”. **(HF-MI)**
- 1670** **WTDY** WI **Madison** - 4/8 2128 - mixing with tidal Potomac forecast, woman with station promo “AM 16-70 WTDY...guest Alison Bree on ‘Love Lines’”. **(KK-VA)**

#### NON-ARCANE ABBREVIATIONS USED IN DDXD

//:parallel to :00:on the hour AC:Adult contemporary AP:Associated Press BBD:big band C&W:country & western CCR:contemporary Christian radio CHR:contemporary hit radio CID:code ID CL:call letter EZL:easy listening EE:English FF:French GOS:gospel LSR:local sunrise LSS:local sunset NFL: National Football League NBA:National Basketball Association NHL:National Hockey League NPR:National Public Radio OC:open carrier PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference (power lines, etc) QRN:natural interference (lightning, etc) QTH:location PRI:Public Radio International REL:religious ROK:rock ‘n’ roll RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International VID:voice ID

Two URL’s you need: <http://e-dxn.com>; <http://www.nrcdxas.org>

## Antenna Reference Manual, Volume 3



A compilation of 17 articles on antennas, phasing impedance matching, and RF amplification for medium wave DX’ers, some of the articles were published in *DX News* between 1999 and 2004. 8 1/2” X 11” bound book format. NRC member price: \$11.95; non-member price \$16.95; overseas customers, please contact us for exact price. Canadian orders: PayPal or postal M. O. only. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

# International DX Digest

**Bruce Conti** contiba@gmail.com

46 Ridgefield Drive

Nashua, NH 03062-1174

Foreign DX Catches. All times are UTC

There's nothing quite like a Cuban sandwich to start the summer DX season, especially when it's over-stuffed with Mexicans and other Latin Americans. Mmmm...



## Pan-American DX

- 530 **CUBA** *R.Enciclopedia*, La Habana APR 10 0400 - Good; theme music and ID, easy listening instrumentals including a cover of Bread "I Want You to Want Me." [Conti-NH]
- 555 **ST. KITTS & NEVIS** ZIZ Basseterre (17°19'N 62°44'W) MAR 9 0200 - Caribbean English talk by man mentioned Trinidad; poor to fair. APR 2 0200 - Religious program with organ music; poor. [Connelly\*B-MA]
- 570 **CUBA** CMDR *R.Reloj*, Santa Clara (22°24'N 79°56'W) MAR 29 0203 - Ticks, man and woman with Cuba news, Reloj ID, "RR" top-of-minute beeps; briefly over WMCA. [Connelly\*B-MA]
- 570 **MEXICO** XEVX Comalcalco, Tab APR 6 0126 - Mixed with KLIF Dallas, generally on top with lively Spanish music. [Niven-TX]
- 600 **CUBA** CMKV *R.Rebelde*, Urbano Noris (20°35'N 76°08'W) MAR 29 0203 - Parallel 1180 with emotional male vocal; slightly over jumble. [Connelly\*B-MA]
- 690 **CUBA** *R.Progreso*, Jovellanos (22°49'N 81°10'W) APR 10 0358 - Good; titulares, "Muy buenas noches," theme song, "Radio Progreso, cadena nacional," and choral national anthem, parallel 640 kHz. [Conti-NH]
- 720 **CUBA** unID APR 9 0400 - National anthem, possible sign-off. Weak under Venezuela. [Black-MA]
- 730 **CUBA** unID APR 2 0159 - "Wobbler" under CKAC. [Connelly\*B-MA]
- 730 **MEXICO** XEHB Hidalgo del Parral, Chih APR 2 1020 - Poor-to-fair with music program, the "Radio Viva Villa" slogan used between songs. Full ID at 1026. [Vance-TX]
- 740 **MEXICO** XECW *R.Variedades*, Los Mochis, SIN (25°50'N 109°04'W) APR 22 1153 - Man with canned ID: "Escuchas Radio Variedades XECW..." Also gave power (10 kW), network (OIR), frequency, address (Hidalgo 755 Poniente) and phone number (sounded like 85-13-40); XE music followed. Fair with static noise and mixing with KVOR. [Wilkins-CO]
- 760 **PUERTO RICO** WORA Mayagüez APR 9 0259 - Full top of the hour *NotiUno* ID listing all stations with Pep Boys and T-Mobile mentions. Recorded; good under RCN Barranquilla. [Black-MA]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro (11°23'N 69°40'W) APR 8 0201 - Advertises with phone numbers for Coro and Punto Fijo businesses or government offices; fair. [Connelly\*B-MA]
- 790 **CUBA** CMAQ *R.Reloj*, Pinar del Río (22°25'N 83°43'W) APR 8 0201 - Reloj news, ticks, beeps; mixed with WPRV. [Connelly\*B-MA]
- 810 **MEXICO** XESB Hidalgo del Parral, Chih APR 4 1100 - Poor through phased remnants of local 800 XEROK with music and *R.Mexicana* slogans. [Vance-TX]
- 820 **CUBA** CMDE *R.Reloj*, Contramaestre (20°18'N 76°15'W) APR 8 0206 - Ticks, beeps; mixed with St. Kitts preaching. [Connelly\*B-MA]
- 820 **ST. KITTS & NEVIS** TBN/*R.Paradise*, Charlestown (17°08'N 62°37'W) APR 8 0205 - Evangelistic preaching, gospel singing; slightly over Cuba and WNYC. [Connelly\*B-MA]
- 840 **HAITI** 4VEH Cap Haitien APR 8 0201 - Four notes lifted from "Jingle Bells," man "Vous écoutez Radio 4VEH. Il est neuf heures." Good, over WHAS and splatter from WEEL. [Connelly\*B-MA]
- 870 **CUBA** CMDT *R.Reloj*, Sancti Spíritus (21°56'N 79°26'W) APR 2 0202 - News by man and woman, ticks, Reloj ID, beep, "RR" code; way over WLVP. [Connelly\*B-MA]
- 880 **MEXICO** XEV Chihuahua, Chih APR 2 1156 - Mixing with unID Spanish and KRVN; talk program, *R.Fórmula* slogan with mentions of Grupo Fórmula. In and out for about 20 minutes. [Vance-TX]
- 880 **MEXICO** XEPNK Los Mochis, Sin APR 2 1222 - Up with modern music and several "Canal Ochenta-Ocho" slogan IDs. Pretty much by itself until fade at 1240. By the way, this was not the unID Spanish referred to in my XEV logging. [Vance-TX]
- 900 **CUBA** CMKP *R.Progreso*, Cacocum-San Germán (20°44'N 76°20'W) APR 2 0200 - *R.Progreso* ID; in jumble. [Connelly\*B-MA]

- 910 **CUBA** *R.Cadena Agramonte*, Camagüey MAR 29 0207 - *R.Cadena Agramonte* ID; over others. [Connelly\*B-MA]
- 930 **CUBA** unID APR 8 0205 - "Wobbler" mixed with WGIN and others. [Connelly\*B-MA]
- 939.88 **MEXICO** XEQ *Besame*, Iztapalapa, México (19°19'N 99°05'W) APR 8 0205 - Man in Spanish; poor but splittable on LSB from the 940 blob. [Connelly\*B-MA]
- 940 **PUERTO RICO** WIPR *R.Dif. de Puerto Rico*, San Juan MAR 9 0200 - ID mentioning San Juan; fair, dominant. [Connelly\*B-MA] APR 9 0259 - End of Radio Nederland relay and sign-off ID. Recorded; very good. [Black-MA]
- 950 **CUBA** *R.Reloj*, La Habana & Mayarí Arriba MAR 29 0203 - Ticks, Morse "RR" beeps; mixed with WROL blank carrier and WIBX. [Connelly\*B-MA]
- 960 **CUBA** *R.Reloj*, multiple sites MAR 29 0206 - Spanish news by woman, ticks, *R.Reloj* ID, beeps, chime; good, generally alone on channel. [Connelly\*B-MA]
- 960 **MEXICO** XEFAMA *R.Fama*, Cd. Camargo, Chih (27°42'N 105°11'N) APR 3 1125 - Good with cumbias. Full ID including "Radio Fama" slogan at bottom of the hour. [Vance-TX]
- 970 **MEXICO** XEJ Cd. Juárez, Chih APR 24 1122 - Ranchera tunes, "La Jota Mexicana" slogans; full ID at 1131 with call letters, frequency, power (10 kW), and address (Guerrero 2329); more music followed, with frequent slogans. Generally fair topping others. [Wilkins-CO]
- 990 **MEXICO** XEFP Aguascalientes, Agua APR 3 1212 - In mix with other XE stations; music and "Radio Alegría" slogans. [Vance-TX]
- 1020 **CUBA** *Cadena CMKS*, Guantánamo APR 9 0259 - Brass fanfare and theme music, then "CMKS Guantánamo" and "Guantanamera" melody. Recorded; fair under WBZ HD hash. Thanks to Sylvain Naud via RealDX for ID help. [Black-MA]
- 1030 **MEXICO** XEQR *R.Centro*, México DF (19°24'N 99°06'W) APR 18 1200 - In mix with two unID stations (English and Spanish) through phased local XEYC; full ID and *R.Centro* slogan just before the hour. [Vance-TX]
- 1060 **MEXICO** XEEP *R.Educación*, México DF (19°22'N 99°02'W) APR 18 1100 - Good mixing with unID music station. Call letters and slogan ID on the hour followed by jazz music program. [Vance-TX]
- 1080 **MEXICO** XEXK Poza Rica, Ver APR 5 0110 - Spanish music mixed very much with KRLD which puts in a good signal here in Cedar Creek, 20 miles east of Austin. [Niven-TX]
- 1090 **MEXICO** XEPRS *Double X*, Rancho del Mar-Rosarita BCN (32°24'N 117°05'W) APR 4 0920 - Fair with fading; Sporting News Radio. [Vance-TX]
- 1150 **MEXICO** XESO Cd. Obregon, Son APR 18 0946 - Mixing with KSAL Salina, local KHRO phased; norteño music and frequent "La Poderosa, once-cincuenta AM" IDs. Full ID on the hour. [Vance-TX]
- 1160 **BERMUDA** VSB3 Hamilton (32°18'N 64°46'W) APR 2 0200 - BBC ID, start of news; briefly over WSKW and WVNJ. [Connelly\*B-MA]
- 1160 **MEXICO** XEQIN San Quintín, BCN (30°34'N 115°57'W) APR 13 1203 - National anthem in progress; call letter ID and a bit of music were followed by a more detailed sign-on at 1206; soon faded. Fair signal for a few minutes under blowtorch KSL. [Wilkins-CO]
- 1180 **CUBA** *R.Rebelde*, Villa María & Mayarí Arriba MAR 29 0203 - Parallel 600 with vocal; mixed with WHAM. [Connelly\*B-MA]
- 1330 **MEXICO** XEAJ Saltillo, Coah MAR 27 0458 - Mixing with KNSS Wichita among others; full ID just before the hour with "1330 AM Radio" slogan and call letters mentioned several times, some with echo effect. Also mentioned 5,000 watts power. [Vance-TX]
- 1350 **MEXICO** XEZD Cd. Camargo, Tama MAR 28 0132 - Heard ID announcement in mix, "... XEZD, Mi Radio 1350, La Prefereida." Mentioned 250 watts power. [Vance-TX]
- 1390 **MEXICO** unID APR 25 1156 - Presume a Mexican carrying *R.Fórmula* programming; 970 XERFR (flagship) ID at 1159 but no local ID. Rough in partial KGNU null. The only XE listed with *Fórmula* programming is XERW. [Wilkins-CO]
- 1410 **MEXICO** XECF Los Mochis, Sin APR 16 0302 - Temporarily dominant above the jumble with full ID including "La Mexicana" slogan, then into news. Local 1420 XEF phased. [Vance-TX]
- 1410 **MEXICO** XEBS México DF APR 16 0755 - Briefly out of jumble with ranchera and announcement including call letters. Local 1420 XEF phased. [Vance-TX]
- 1430 **MEXICO** XEWD Cd. Miguel Aleman, Tama APR 10 0200 - Faded up in mix with KLO Ogden; talk and station promo/ID with call letters. Full ID with all the normal XE-type particulars at 0202, including "WD" slogan back into talk program. Phased local 1420 XEF. [Vance-TX]
- 1430 **MEXICO** XEOX Cd. Obregon, Son APR 10 0400 - Popular music with "Exa FM" announcement; in mix with KLO Ogden, XEWD (presumed), and a station playing R&B. Local 1420

XEF still phased. [Vance-TX]

1440 **MEXICO** XEVSD Cd. Constitución BCS (25°35'N 111°45'W) APR 20 1203 - Out of jumble at sign-on with "Buenos Dias... XEV (couldn't understand rest of callsign but didn't sound like 'SD'), La Señal del Progreso... en Ciudad Constitución..." The call almost sounded like "XEVD." [Vance-TX]

1530 **MEXICO** XESD Silao, Gto APR 27 0200 - Nice clear signal at times; carrying XHSD 99.3 FM station program. Top of the hour ID was given with AM and FM calls and frequencies. [Niven-TX]

1620 **CUBA** *R.Rebelde*, unknown location APR 3 0613 - Strong on peaks, otherwise mixing with WDND and KOZN; *R.Rebelde* programming parallel 710 kHz. [Francis-TN] APR 23 0745 - Good signal with Latin music and ID. My first new station in months. [Axelrod-MB]

**RSR.ch**

**Transatlantic DX**

549 **ALGERIA** *Chaîne 1*, Les Trembles (35°17'N 0°34'W) MAR 9 0200 - News by man in Arabic; good. [Connelly\*B-MA]

585 **SPAIN** *RNE1* Madrid (40°28'N 3°52'W) FEB 27 0000 - Parallel 639 with news by woman in Spanish; fair through 590 WEZE slop. [Connelly\*Y-MA]

621 **CANARY ISLANDS // SPAIN** *RNE1* synchros, Santa Cruz de Tenerife et al. FEB 26 2359 - Parallel 639 with female vocal and piano; fair. [Connelly\*Y-MA]

639 **SPAIN** *RNE1* La Coruña et al. FEB 27 0000 - "Radio Nacional España, informativo"; good. [Connelly\*Y-MA]

648 **SPAIN** *RNE1* Badajoz (38°53'N 6°58'W) FEB 26 2359 - Parallel 639 with female vocal and piano; poor in WFAN IBOC. [Connelly\*Y-MA]

657 **SPAIN** *RNE5* Madrid (40°28'N 3°52'W) FEB 26 2359 - Parallel 639 with female vocal and piano; poor to fair. [Connelly\*Y-MA]

693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. FEB 27 0000 - "This is BBC Radio... at midnight... Five Live"; fair to good. [Connelly\*Y-MA]

747 **CANARY ISLANDS // SPAIN** *RNE5* synchros MAR 9 0200 - News by woman in Spanish; poor. [Connelly\*B-MA]

747 **NETHERLANDS** *Radio 5*, Flevoland (52°23'N 5°25'E) FEB 27 0000 - Man in Dutch with Olympic results; fair. [Connelly\*Y-MA]

756 **SPAIN** *R.Euskadi*, Ganguren FEB 26 2257 - Man with Spanish teletalk; dominant. [Connelly\*Y-MA] APR 17 0038 - Good with talk, no sign of Germany although 6190 *Deutschlandfunk* was strong. [Conti-NH]

765 **SWITZERLAND** *RSR Option Musique*, Sottens (46°39'N 6°44'E) MAR 9 0201 - Man in French; poor to fair. [Connelly\*B-MA]

774 **SPAIN** *RNE1* synchros FEB 26 2300 - Parallel 639 with 5+1 pips, man ID'ing as "Radio Nacional de España, informativo," then news by woman in Spanish; fair. [Connelly\*Y-MA]

837 **CANARY ISLANDS // SPAIN** *COPE* synchros FEB 26 2300 - Spanish news by man; good. [Connelly\*Y-MA]

855 **SPAIN** *RNE1* synchros FEB 26 2300 - Parallel 639 et al. with news; to good peak on USB to dodge WEEI. [Connelly\*Y-MA]

864 **FRANCE** *France Bleu*, Villebon-sur-Yvette (48°41'N 2°14'E) FEB 26 2300 - Music, then man and woman in French; fair. [Connelly\*Y-MA]

909 **UNITED KINGDOM** *BBC Radio 5* synchros FEB 26 2300 - BBC Radio Five Live ID, news; fair. [Connelly\*Y-MA]

936 **IRAN** *Urumiyeh* FEB 26 2300 - Muzak instrumental of "Love Me Tender" (Elvis), ID as Radio Iran, then Middle East pop style instrumental; dominant. Audio clip identified on RealDX. [Connelly\*Y-MA]

945 **FRANCE** *France Info*, Toulouse (43°21'N 1°20'E) FEB 26 2300 - Man and woman in French, fanfare music; poor in slop. [Connelly\*Y-MA]

954 **SPAIN** *Onda Cero*, Madrid FEB 26 2301 - News by man in Spanish; poor to fair over others. [Connelly\*Y-MA]

963 **FINLAND** *Radio 86*, Pori (61°28'N 21°35'E) FEB 26 2244 - Woman in German, then female vocal; better on LSB to dodge 970 WZAN slop. [Connelly\*Y-MA]

963 **SPAIN** *R.Euskadi*, Vitoria MAR 9 0201 - Spanish talk; poor. [Connelly\*B-MA]

972 **LIBYA** *Libyan Jamahiriya*, Sirte FEB 27 0000 - Arabic vocal; in WZAN slop. [Connelly\*Y-MA]

981 **ALGERIA** *RTVA Chaîne 2*, Algiers (36°40'N 3°09'E) FEB 26 2241 - Male group Arabic vocal, strings. [Connelly\*Y-MA]

999 **MOLDOVA** *Voice of Russia*, Grigoriopol, Maiac (47°14'N 29°24'E) FEB 26 2242 - Russian

- talk by man; equal to Spain at times, third co-channel station under both with Koranic vocal. [Connelly\*Y-MA]
- 999 **SPAIN** *COPE* Madrid (40°28'N 3°52'W) FEB 26 2241 - Spanish teletalk; over Moldova. [Connelly\*Y-MA]
- 1053.1 **LIBYA** *Libyan Jamahiriya*, Tripoli (32°50'N 13°00'E) FEB 26 2242 - Dramatic group Arabic vocal; stronger than 1053 UK. [Connelly\*Y-MA]
- 1053 **UNITED KINGDOM** *TalkSport* synchros FEB 26 2258 - ESPN promo about something "live this Sunday"; over Libya growl. [Connelly\*Y-MA]
- 1062 **ITALY** *Rai Radiouno* synchros FEB 26 2241 - Man in Italian; to fair peak. Anthem-like music at 2259. [Connelly\*Y-MA]
- 1071 unID FEB 26 2241 - Group chanting; poor. Iran? [Connelly\*Y-MA]
- 1089 **RUSSIA** *R.Rossi/VOR/RIR*, Tbilisskaya (45°22'N 40°10'E) FEB 26 2241 - Man in Russian; dominant. [Connelly\*Y-MA]
- 1089 **UNITED KINGDOM** *TalkSport* synchros FEB 12 2200 - ESPN advert, phone number 780 7000, *TalkSport* mention. FEB 12 2243 - CARFAX advert, ID 1089 and 1053 AM, *TalkSport*, part of America song "A Horse With No Name," then talk by Scottish accented man; echoey and now a bit over Russia. FEB 26 2300 - "From the Sky News Centre, commercial radio station of the year, *TalkSport* news"; good over 1088 Angola het. [Connelly\*Y-MA]
- 1098 **SPAIN** *RNE5* synchros FEB 26 2301 - Parallel 1107 with news by woman; echoey. [Connelly\*Y-MA]
- 1107 **SPAIN** *RNE5* synchros FEB 26 2301 - Parallel 1098 with news by woman in Spanish; good. [Connelly\*Y-MA]
- 1116 **SPAIN** *SER* synchros FEB 26 2300 - Fast Spanish talk by man, pips; good. [Connelly\*Y-MA]
- 1134 **CROATIA** *Glas Hrvatske*, Zadar (44°06'N 15°15'E) FEB 26 2302 - Croatian news by man; over WBBR slop. [Connelly\*Y-MA]
- 1134 **SPAIN** *COPE* synchros APR 22 0120 - Extended telephone conversation in Spanish, parallel 837 which was much better. Good peaks but only fair at best. First log on this frequency since Croatia went to reduced schedule. [Wood-MA]
- 1143 **KALININGRAD** *R.Mayak*, Bolshakovo (54°54'N 21°42'E) FEB 26 2300 - "Midnight in Moscow" interval signal chimes; through CBI slop. [Connelly\*Y-MA]
- 1152 **SPAIN** *RNE5* synchros FEB 26 2302 - Parallel 1107 with news; poor. [Connelly\*Y-MA]
- 1179 **CANARY ISLANDS // SPAIN** *SER* synchros FEB 26 2300 - Parallel 1116 with Spanish news; poor to fair. [Connelly\*Y-MA]
- 1179 **SWEDEN** *R.Sweden International*, Sölvesborg (55°59'N 14°40'E) FEB 12 2201 - Man and woman with news in Swedish; to good peak. [Connelly\*Y-MA]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57'N 0°11'W) FEB 12 2130 - Women talked about the Olympics in Vancouver. [Connelly\*Y-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros FEB 12 2155 - '80s hit "Breakout" by Swing Out Sister; fair. FEB 26 2301 - Hard Rock Cafe London concert promo. Phone number "0800 1 Triple 7 Triple 9", advert for compensation for road accident damages; good. [Connelly\*Y-MA]
- 1422 **ALGERIA** *R.Algérienne*, Algiers (36°40'N 3°09'E) FEB 27 0000 - Woman in French; over Germany. [Connelly\*Y-MA]
- 1521 **SAUDI ARABIA** *BSKSA* Duba (27°20'N 35°45'E) MAR 9 0206 - Man in Arabic; fair. [Connelly\*B-MA]
- 1530 **SAO TOME E PRINCIPE** *VOA* Pinheira (0°18'N 6°46'E) APR 15 0258 - Man with "This is the Voice of America, Washington DC" and Yankee Doodle, then "This is the Voice of America signing on" and more Yankee Doodle into VOA African news in English. Recorded; fair-good under WCKY. [Black-MA]

### Contributors

Shawn Axelrod VE4DX1SMA, Winnipeg MB; Icom ICR-70, Drake R8, MFJ-1026 phasing unit, 4-ft unamplified box loop, Quantum Loop, 155-ft outdoor wire, 100-ft indoor wire.

Chris Black N1CP, South Yarmouth MA; Microtelecom Perseus, 35 x 90-ft Flag.

Mark Connelly WA1ION, Billerica and South Yarmouth MA; Microtelecom Perseus operated with MSI Wind U100 netbook, west-nulling cardioid-pattern terminated loops.

Bruce Conti, Nashua NH; SDR IQ, variable termination SuperLoop antennas 13 x 20-m east and 15 x 23-m south.

Steve Francis, Alcoa TN; Sanyo stereo, Select-a-tenna.

James Niven, Cedar Creek TX; Icom R71A, 150-ft longwire.



Robert Vance, El Paso TX; WinRadio G303e/PD, 12 x 9-ft unterminated corner-fed north-south loop, 3 sq meter amplified air loop.

John Wilkins, Wheat Ridge CO; Drake R8, 4-ft loop.

Steve Wood, Harwich MA; Drake R8B, 40-ft longwire antenna.



### International News

**AFGHANISTAN:** Logged *VOA Deewa Radio* in Pashto language on **621 kHz**, May 2 during check at around 1750 UTC, this is via the new MW transmitter site in Afghanistan located in Tani-Khost, a 200 kW Harris transmitter was installed recently. Schedule: 0100-0400 and 1300-1900 UTC in Pashto. [Alokesh Gupta, *mwdx*]

**GERMANY:** *R.Bremen* officially announced the permanent shut down of **936 kHz**. After closing a month earlier they did not announce anything and waited silently for listener complaints. Only 200 were received. The annual MW operating cost in the higher 5 figure EUR range could be better spent on other fields, considering that it is a public station financed by radio/TV license fee. They do not expect a bright future for digital MW, a view probably shared among other ARD stations. [Jurgen Bartels, *mwdx*]

73 and Good DX!

# NRC Contests

**Wayne Heinen** [amradiolog@nrcdxas.org](mailto:amradiolog@nrcdxas.org)  
4131 Andes Way  
Aurora, CO 80013-3831

An annual DX contest which encourages DX'ing and offers prizes

## Contest #1 Loggings and Points Report through April 30, 2010

<i>Contester</i>	<i>Location</i>	<i>Loggings</i>	<i>Points</i>
John Cereghin	Smyrna, DE	479	1023
Wayne Heinen	Aurora, CO	396	995
Richard Lauhead	St Paul, MN	318	676
Russell Curry	Eugene, OR	276	613
Deane McIntyre	Calgary, AB	242	502
John P Kavan	Tampa, FL	231	486
Paul Swearingen	Topeka, KS	225	422
Nancy Johnson	Billings, MT	128	312
Steve Sprague	Coffeyville, KS	138	279
David B Jones	Nashville, TN	39	81
Bill Patalon III	Fallston, MD	43	55
Dale Park	Honolulu, HI	16	30
John R Malicky	Pittsburgh, PA	12	26

## How far can you go? Total miles logged

<i>Name</i>	<i>Location</i>	<i>Loggings</i>	<i>Total Miles</i>
Wayne Heinen	Aurora, CO	398	212073
Deane McIntyre	Calgary, AB	247	184893
John Cereghin	Smyrna, DE	486	183678
Richard Lauhead	St Paul, MN	318	147357
Russell Curry	Eugene, OR	276	121753
Paul Swearingen	Topeka, KS	225	91702
John P Kavan	Tampa, FL	231	81236
Nancy Johnson	Billings, MT	128	66726
Steve Sprague	Coffeyville, KS	138	41186
Dale Park	Honolulu, HI	17	23884
Bill Patalon III	Fallston, MD	43	14886
David B Jones	Nashville, TN	39	12843
John R Malicky	Pittsburgh, PA	12	4467

Okay, gang, I know the season is coming to a close, but don't forget you have until 11:59 on May 31 to get the best score your can! Remember to have your entry in my email or snail mail box by June 5, 2010; actually we'll slide to the 7<sup>th</sup> 'cause of the way the Post Office has been lately! 73 Wayne Heinen Contest Chairman

## Shared tips and information from NRC members, both new and old

Greetings once again from the Heart of the Continent, and welcome to the DX Tool Box Column number 16.

This month's topic will be non-Broadcast-Band Stations in the Broadcast Band. By this I mean that there are other types of stations that can be heard in what is considered the Broadcast Band in North America. This would be the 530 kHz to 1710 kHz or AM radio band as it is more commonly known. For purposes of this article I will not include the "other" Broadcast Band transmitting on Longwave (153 kHz to 279 kHz) used else where in the world. The non-Broadcast-Band Stations come in several varieties which I will cover in brief, giving you a basic outline of the type of stations you might hear.

**Aero and Marine Beacon stations** This group of stations is found from 510 to 530 and 1600 kHz and up. The ones in North America are only in the 510-530 kHz range with just Morse code identifiers. They are Aero Beacons from airports. Many countries in Europe, Asia, Oceania, South America and Africa operate these stations to give out weather notices and/or be used as locator beacons. The modes of transmission include Morse code, voice and digital modes. They are some times are referred to as Coastal Radio Stations due to the information they supply to ships at sea.

**Experimental stations** These stations are as a rule but not always run by a company doing research work. They will be on testing equipment in different modes often with just a carrier or test tones. Catching these is quite hard due to their irregular transmission schedules. At times they may announce a test so watch the DX bulletins and message boards. There are several stations currently licensed in the USA for this type of experimentation.

**Fishing Beacons and Drift Net Buoys** These beacons are heard all over the Expanded band from 1600 to 1710 and beyond. They are beacons using a Morse code identifier. The beacon is attached to the net or buoy so that the ships can find them after they have been put out. I would think this type of beacon is on its way out as GPS takes over, but they are reported every so often.

**Japanese Lighthouses** These stations are all located on 1670.5 kHz only. There are 28 stations in all, and they take turns sharing the frequency for one to 2.5 minutes with weather reports and ID's. The stations run 50 watts and run 24 hours a day. These have been heard on the West coast of North America but are very rare.

**MedFER stations** These stations are found from 510 to 1705 kHz. MedFER stands for Medium Frequency Experimental Radio. The technical requirements to keep the station within the law are 1/10 of a watt maximum power and a 3-meter high antenna. The stations will transmit in Morse code or more advanced digital methods. There is no voice used. These are home brewed (built) stations and the operators use every means possible to squeeze every last drop out of their systems. The distance these little transmitters get out can be extraordinary. I have personally heard MedFERs from St Louis MO, Aitken and North Branch MN, and Bridgeport CT USA. On a watt per mile basis the St Louis and North Branch stations are my best catches of all time.

**Part 15/Low powered stations** Here we find a major mixed bag of stations. The power cannot exceed 100 mWatts (1/10<sup>th</sup> of a watt) and the antenna cannot have more than 30  $\mu\text{V}/\text{m}$  @ 30 m of radiated power (according to the FCC requirements). The transmitter is not allowed to interfere with any licensed radio station. These stations are very popular these days with groups who want to get their special style of music or message out (especially a political one). By being a Part 15 station they do not have to go through the long and costly process established by the FCC or Industry Canada. These small stations do get out and are logged on a regular basis often as UNID's as it is hard to keep track of who is on when and what they may be broadcasting.

**Pirate stations** These stations operate all over the band. They are usually on AM mode, but I have heard of some on Sideband. They will play what ever they feel on a schedule of their choosing. Most play music of the station operator's choosing, but some have been talk- or politically-orientated. There is no real way to track these as many come and go and may only be on one or two times before disappearing. Some have been coming on and off air for years and have avoided being caught by the authorities who often warn a station to stop transmitting. If the warning is not obeyed, a raid may follow with equipment being taken and a fine levied.

**Talking Houses** This is a small AM transmitter used by real estate agents. They record a message describing the house for sale, and it plays a continuous loop of the information. These run about 100 milli-watts (1/10<sup>th</sup> of a watt) and have a short range on regular radios. The ones I have heard are from

1610 to 1612 kHz.

**Tourist Information Station/Highway Advisory Radio** This final group is licensed by the FCC or CRTC but are specialized broadcasters. These stations operate on 530 and 1610 to 1700 kHz for the most part. They broadcast information, no music, and are non commercial in nature. They will be set up by local groups or government agencies to inform listeners about special events, attractions or road conditions. The stations run 10 Watts or less but once again get out very well. The HAR stations may be temporary in nature or may move around with a construction project. Both types run a continuous loop of information that is repeated over and over when they are on. In Canada the few that are left on the AM band have calls that start CBP followed by another letter or letter and number. The USA stations have a mixed alpha-numeric callsign such as KGZ975 or WNQA283. If you are on the road watch for signs telling you to tune to a certain frequency for information on road conditions or local attractions. The station is usually close by the sign and should be easily heard for up to a half to full mile from the sign. For low-powered stations, many get heard well beyond their intended audience. I have heard over 50 different stations myself with the closest being over 200 miles from my location.

#### More information

If you are looking for listing of non Broadcast Band stations found between 530 and 1710 kHz you can try the AMANDX Expanded Band web pages at:

<http://www.angelfire.com/mb/exband/index.html>

There is also a link to a FCC look up page for TIS/HAR stations in the USA.

The list is not perfect and is always looking for updates from readers.



#### Bits and Bites from the NRC listserv:

It looks like the club members are appreciated by the programs we listen to.

From: Joseph Miller Subject: C2C Info Good morning, After surviving another sleepless night... I was listening to George Noory on Coast to Coast for a while, and he listed a number of "friends" on his program including the National Radio Club. Probably not news for most of you, but it's the first time I've heard this. 73 de Joe Miller, KJ8O, Troy, MI

From: Frederick Vobbe

Subject: C2C Info Lots of members listen to the show, and participate in calling in.

This month's DX Tool Box web site is:

Morse code translator

<http://morsecode.scphillips.com/jtranslator.html>

This site is a good one for those of us who are not proficient at Morse code. It works in two directions, code to text or text to code. All you have to do is put in the text you want, say the call sign of a station doing a DX test and it will produce the Morse Code equivalent. On the other hand if you hear some Morse code you can put in the "dots and dashes" and it translates them into text. There is even a sound button so you can hear the code at what ever speed and pitch you select. It works great and is easy to use. There are instructions down the page after the input area if you are unsure of how to operate the various selections. If you know there is going to be a DX test with Morse code in the test it's a great way to "tune up" your ears as to what you should hear during the DX test. For DX tests you can probably set the speed at 10 words per minute.

73 for this time Shawn Remember On A Clear Day You Can Hear Forever

**Expiring? Time to renew? Not sure when? Need to call or e-mail someone or join e-DXN or DXAS? Check the back page - it's all there!**

## Problems, Problems?

We can't solve all your woes, but we can solve your *DX News* problems. Torn, soiled, partially-printed, MIA, or worst of all, delivered in a USPS plastic baggie? No need to return the copy - just send a postcard to NRC - P. O. Box 473251 - Aurora, CO 80047-3251, or an e-mail to sales @nrcdxas.org and a replacement copy will be mailed free. Missing a back issue? Replacement copies from Vol. 56 on, to current NRC members only, are sent for the cost of first-class postage. You joined in the middle of the year and need to fill out a volume? Send \$1.00 per copy (postage paid). Quantities can be sent at the Media Mail rate. **See? No problem!**



# Professional Sports

**Barry S. Finkel** bsfinkel@ANL.gov  
10314 S. Oakley  
Chicago, IL 60643-2409

## Networks

Network listings for team sports stations

(Major league baseball team station list; continued from last issue)

### Milwaukee Brewers Bob Uecker, Cory Provus

[http://milwaukee.brewers.mlb.com/NASApp/mlb/mil/schedule/radio\\_network.jsp](http://milwaukee.brewers.mlb.com/NASApp/mlb/mil/schedule/radio_network.jsp)  
(03/04/2010)

550	WSAU-WI	1240	WOMT-WI	1450	WRCO-WI	94.3	WQPC-WI
570	WMAM-WI	1260	WXCE-WI	1490	WIGM-WI	97.5	WTAQ-WI
580	WKTY-WI	1280	WGLR-WI	1550	WEVR-WI	98.3	WCQM-WI
620	WTMJ-WI *	1310	WIBA-WI	1590	WPVL-WI	99.7	WWIS-WI
940	WFAW-WI	1330	WHBL-WI			99.9	WSAU-WI
960	WTCH-WI	1360	WTAQ-WI	92.3	WRLS-WI	106.1	WACD-WI
1100	WISS-WI	1400	WATW-WI	92.7	WDUX-WI	106.3	WEVR-WI
1150	WHBY-WI		WRDB-WI	93.7	WCYE-WI	106.7	WATQ-WI
1230	WCLO-WI	1430	WBEV-WI	93.9	WDOR-WI	107.3	WNXR-WI
1240	WJMC-WI	1450	KFIZ-WI				

### Minnesota Twins (EE) Treasure Island Baseball Minnesota Twins (SS) Alfonso Fernandez, Tony Oliva

[http://minnesota.twins.mlb.com/NASApp/mlb/min/schedule/radio\\_affiliates.jsp](http://minnesota.twins.mlb.com/NASApp/mlb/min/schedule/radio_affiliates.jsp) (03/04/2010)

570	WNAX-SD	1230	KTRF-MN	1400	KEYL-MN	1590	WIXK-WI
610	KDAL-MN		KWNO-MN		KMHL-MN	1600	KDAK-ND
620	KMNS-IA	1240	KICD-IA		KMN V-MN		
710	KXMR-ND		WJON-MN	*S		92.1	WYRQ-MN
730	KWOA-MN		WMFG-MN		KQDJ-ND	93.9	KKRC-MN
790	KFGO-ND		KDLR-ND	1410	KRWB-MN	94.3	KKIN-MN
860	KNUJ-MN	1260	KDUZ-MN	1420	KTOE-MN		KULO-MN
870	KPRM-MN		KROX-MN	1430	KNSP-MN	94.5	WELY-MN
910	KCJB-ND	1290	KBMO-MN	1450	KATE-MN	96.7	KKCQ-MN
920	KDHL-MN	1300	KGLO-IA		KBUN-MN	100.9	WCMP-MN
	KWAD-MN	1310	KNOX-ND		KBMW-ND	103.1	KFIL-MN
930	KSDN-SD	1320	KOZY-MN	1470	KMN V-MN	104.1	KSDM-MN
950	KWAT-SD	1340	KDLM-MN	*S		104.9	WLMX-WI
1020	KJJK-MN		KROC-MN	1480	KAUS-MN	105.5	KMGM-MN
1060	KGFX-SD	1350	KCHK-MN	1490	KOVC-ND	105.9	KWNG-MN
1080	KYMN-MN		KDIO-MN	1500	KSTP-MN *	106.9	KARP-MN
1140	KSOO-SD	1360	KRWC-MN	1570	KAKK-MN		WMOZ-MN
1210	KOKK-SD	1380	KLIZ-MN	1580	KDOM-MN	107.1	KMGK-MN
1220	KDDR-ND	1390	KRFO-MN	1590	KDJS-MN	107.3	KNUJ-MN
1230	KMRS-MN						

### New York Mets (EE) Howie Rose, Wayne Hagin, Ed Coleman

New York Mets (SS) Juan Alicea, Max Perez-Jimenez

There is no network, I believe.

660	WFAN-NY *	1280	WADO-NY *S
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## The County Cross Reference

What a time-saver! A complete list of counties, parishes, and similar political divisions in the U. S. and Canada. Two lists are included: alpha by county, and by state. Compiled by Bill Hale and designed and produced by Wayne and Joan Heinen. \$8.95 for members, \$11.95, non-member; overseas surface mail, add \$4.00 for first copy; \$.64 for each add'l copy/ For airmail, add \$8.00 for each 3 or fraction of 3. Order "CCR" from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

**New York Yankees (EE)** John Sterling, Suzyn Waldman

**New York Yankees (SS)** Beto Villa, Francisco Rivera

<http://www.wcbs880.com/Yankees-Radio-Network-Stations-Affiliates/1899902> (03/04/2010)

570	WSYR-NY	1010	WQYK-FL	1300	WAVZ-CT	1460	KENO-NV
600	WICC-CT	1080	KUDO-AK	1310	WTLB-NY	1490	WCSS-NY
620	WHEN-NY	1100	KWWN-NV	1340	WBRK-MA		WDLC-NY
	WVMT-VT	1160	WSKW-ME		WENT-NY	1550	WTTC-PA
630	WMFD-NC		WPIE-NY		WIRY-NY		
640	WMEN-FL		WYNS-PA		WWPA-PA	92.7	KASR-AR y
770	WWCN-FL p	1180	WHAM-NY	1350	WRNY-NY	94.3	WKXP-NY
790	WNER-NY	1230	WIXT-NY	1380	WABH-NY	94.5	WDVT-VT
	WPRV-RI	1230	WEEX-PA	1410	WPOP-CT	96.7	WTSX-NY
800	WLAD-CT	1240	WWCO-CT		WELM-NY	97.3	WZAD-NY
840	WVPO-PA		WJTN-NY	1420	WACK-NY	97.7	KOTM-IA z
880	WCBS-NY *	1270	WTSN-NH	1430	WENE-NY	104.5	WTMM-NY
920	KBAD-NV	1280	WHTK-NY	1450	WTSA-VT	106.1	WPDA-NY
960	WILT-PA						

**Oakland Athletics (EE)** 2010 Ken Korach, Vince Cotroneo

<http://oakland.athletics.mlb.com/oak/schedule/affiliates.jsp> (03/04/2010)

860	XTRA-CA *	1270	KXBX-CA	1440	KVON-CA		
950	KAHI-CA	1370	KPCO-CA	1480	KYOS-CA	96.1	KSLK-CA
970	KESP-CA	1380	KTKZ-CA nw	1490	KBLF-CA nw	101.5	KEKA-CA
1230	KCNR-CA	1400	KWNA-NV		KRKC-CA	102.3	KCWH-CA
1240	KPOD-CA	1410	KMYC-CA nw	1670	KNRO-CA		

**Oakland Athletics (SS)** 2010 Amaury Pi-Gonzalez Hernando Doclom

(per Ken Onyschuk)

1190	KDYA-CA Sn*	1640	KDIA-CA S*				
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**Philadelphia Phillies (EE)** Scott Franzke, Larry Anderson

**Philadelphia Phillies (SS)** B. Kiliik, Danny Martinez

[http://phillies.mlb.com/phi/schedule/radio\\_network.jsp](http://phillies.mlb.com/phi/schedule/radio_network.jsp) (03/04/2010)

630	WEJL-PA	1230	WCMC-NJ	1320	WGET-PA	1440	WGLD-PA
830	WEEU-PA		WBPZ-PA	1340	WMID-NJ		WNPV-PA
930	WHLM-PA	1240	WBAX-PA	1360	WPPA-PA	1470	WSAN-PA
1150	WDEL-DE		WYGL-PA	1370	WPAZ-PA	1480	WUBA-PA *S
1210	WPHT-PA *	1270	WLBR-PA	1400	WRAK-PA	1490	WBCB-PA

**Pittsburgh Pirates** Greg Brown, Steve Blass, John Wehner

[http://pittsburgh.pirates.mlb.com/NASApp/mlb/pit/schedule/radio\\_network.jsp](http://pittsburgh.pirates.mlb.com/NASApp/mlb/pit/schedule/radio_network.jsp) (03/04/2010)

590	WMBS-PA	1230	WBVP-PA	1400	WWGE-PA	1480	WCNS-PA
600	WFRM-PA		WTIV-PA		WBBD-WV	1490	WESB-PA
630	WJAW-OH	1270	WCBC-MD	1420	WCED-PA		WMGW-PA
680	WISR-PA	1290	WFBG-PA	1430	WEIR-WV		WTCS-WV
	WKAZ-WV	1310	WNAE-PA	1440	WAJR-WV		
850	WNTJ-PA	1330	WETZ-WV	1450	WFRA-PA	97.5	WDDH-PA
990	WNTW-PA	1340	WOYL-PA		WJPA-PA	103.3	WAJR-WV
1050	WMSG-MD		WTRN-PA		WQWK-PA	104.1	WPXZ-PA
1160	WCCS-PA	1370	WWCB-PA	1460	WMBA-PA	104.7	WPGB-PA *
1200	WKST-PA	1400	WJET-PA				



### IRCA Slogans List (Winter 2008)

This season's update of the IRCA Slogans List is ready!! This revised Slogans List includes radio slogans from the US, Canada and Mexico (over 4000).

Prices: NRC/IRCA members - \$6.00 (US/Canada/Mexico/sea mail), \$8.00 (rest of the Americas/ Europe airmail), \$8.50 (Australia/Japan/New Zealand airmail). **Non-NRC/IRCA members** - add \$1.00; all add \$1.00 for PayPal service charges.

To order from the IRCA Bookstore, send the correct amount in USA funds (payable to "Phil Bytheway") to:

**IRCA BOOKSTORE - 9705 MARY NW - SEATTLE WA - 98117-2334 (PayPal e-mail: phil\_tekno@yahoo.com). Please state club affiliation when ordering.**

**Saint Louis Cardinals** John Rooney, Mike Shannon

[http://stlouis.cardinals.mlb.com/stl/schedule/tv\\_radio\\_affiliates.jsp](http://stlouis.cardinals.mlb.com/stl/schedule/tv_radio_affiliates.jsp) (03/04/2010)

550	KTRS-MO *	1340	KSMO-MO		99.7	KTTR-MO	
680	WSMB-TN		KXEO-MO	92.3	KSAR-AR	100.3	KURM-AR
690	KEWI-AR	1350	KWMO-MO	92.5	KPPL-MO		KUKU-MO
730	KWRE-MO	1390	KCRC-OK	92.7	KASR-AR y	100.5	KKCA-MO
740	WVLN-IL	1400	WDWS-IL	92.9	WSEI-IL		KMEM-MO
800	KAGH-AR		WGIL-IL	93.1	KBDZ-MO	101.3	WMSK-KY
	KVOM-AR		KFRU-MO	93.3	WQTY-IN		KTXR-MO
860	WSON-KY		KREF-OK	94.1	WMIX-IL	102.1	KJFM-MO
1050	KSIS-MO		KWON-OK	94.3	KATI-MO		KTUI-MO
1070	KHMO-MO	1420	KBHS-AR	94.9	WYNG-IL	102.3	WEBQ-IL
1130	WOFC-KY		WINI-IL	95.1	KMAQ-IA		WRMJ-IL
1220	KJAN-IA	1430	WYMC-KY	95.3	KOKX-IA	103.1	KFFA-AR
	WLPO-IL	1450	WKEI-IL	95.5	KAAN-MO	103.5	WXLT-IL
1230	KFPW-AR r		KIRX-MO	95.7	WSEY-IL	103.7	KJEL-MO
	WHCO-IL t		KWPM-MO	95.9	WGKY-KY	104.1	KPOC-AR
	WJBC-IL		KGFF-OK		KKBL-MO	104.3	KDBB-MO
	KZYM-MO		WTRO-TN	97.3	WTIM-IL	104.7	KRES-MO
	WBBZ-OK	1460	WROY-IL		KYRX-MO		WMUF-TN
1240	KTLO-AR	1470	WMBD-IL	97.5	KNMO-MO	104.9	KAGH-AR
	WTAX-IL	1490	KDRS-AR		KOEA-MO		WYVY-TN
	KNEM-MO		WDAN-IL	97.7	KOTM-IA z	105.1	WGEM-IL
1270	KRVT-OK		WTUP-MS	97.9	KBXB-MO	105.5	KYEL-AR
1280	KCOB-IA	1520	WLUV-IL		KFBD-MO		WREZ-KY
1310	WDXI-TN	1540	WSMI-IL	98.5	WQKZ-IN	105.9	WOKZ-IL
1330	KUKU-MO	1550	WMSK-KY		KWKJ-MO	106.1	WSMI-IL
1340	KBTA-AR		KSFT-MO	98.9	WHQQ-IL	106.5	KTMO-MO
	WJPF-IL	1560	WBYS-IL	99.1	WCBL-KY	106.7	WYFX-IN
	WSOY-IL	1570	WTAY-IL	99.3	KMA-IA	107.1	WEAI-IL
	WNBS-KY		WTRB-TN		WZLT-TN		

**San Diego Padres** (EE) Jerry Coleman, Ted Leitner, Andy Masur

**San Diego Padres** (SS) Ed Ortega, Juan Angel Avila

I have not yet located a network list online.



**San Francisco Giants** (EE) Jon Miller, Greg Papa, Dave Flemming

**San Francisco Giants** (SS) Erwin Higueros, Tito Fuentes

<http://sanfrancisco.giants.mlb.com/NASApp/mlb/sf/schedule/radioaffiliates.jsp> (03/04/2010)

Affiliate stations are subject to change.

670	KPUA-HI	1230	KJFK-NV	1400	KKJL-CA	92.7	KMFB-CA
680	KNBR-CA *	1270	KJUG-CA	1420	KKEA-HI	94.1	KBKY-CA
790	KFPT-CA	1340	KATA-CA	1430	KFIG-CA	96.7	KMFB-CA
1010	KIQI-CA *S	1360	KUIK-OR			102.3	KNTK-CA

**Seattle Mariners** (EE) Dave Neihaus, Rick Rizzs

[http://seattle.mariners.mlb.com/NASApp/mlb/sea/schedule/broadcast\\_affiliates.jsp](http://seattle.mariners.mlb.com/NASApp/mlb/sea/schedule/broadcast_affiliates.jsp) (03/04/2010)

550	KTZN-AK	1030	KMAS-WA		KTHH-OR	1390	KJOX-WA
580	KRSA-AK	1040	CKST-BC q		KTIX-OR	1410	CFTE-BC
710	KIRO-WA *	1080	KVNI-ID		KGy -WA	1430	KBRC-WA
800	KINY-AK		KFXx-OR jw		KXLE-WA	1450	KONP-WA
900	KKRT-WA	1150	KQQQ-WA	1300	KLER-ID	1470	KELA-WA
910	KTRO-OR j	1170	KPUG-WA	1320	KGDC-WA	1490	KLOG-WA
920	KXLY-WA	1230	KOZI-WA		KXRO-WA		
960	KALE-WA	1240	KSAM-MT	1350	KRLC-ID	92.1	KCRK-WA
1020	KWIQ-WA						

**Seattle Mariners** (SS) Alex Rivera, Julio Cruz

[http://seattle.mariners.mlb.com/NASApp/mlb/sea/schedule/broadcast\\_affiliates.jsp](http://seattle.mariners.mlb.com/NASApp/mlb/sea/schedule/broadcast_affiliates.jsp) (03/04/2010)

1280	KLDY-WA	1480	KNTB-WA	1490	KBRO-WA *	1560	KVAN-WA
1400	KRSC-WA						

**Tampa Bay Rays (EE)** Andy Freed, Dave Wills

**Tampa Bay Rays (SS)** Enrique Oliu

<http://tampabay.devilrays.mlb.com/NASApp/mlb/tb/schedule/radionetwork.jsp> (03/14/2010)

620	WDAE-FL *	1230	WONN-FL	1400	WZHR-FL	1480	WVOI-FL
680	WGES-FL *S	1250	WHNZ-FL	1450	WTSU-FL	1530	WENG-FL
770	WWCN-FL p	1270	WNLS-FL		WWJB-FL	1580	WCCF-FL
1080	WHOO-FL	1380	WELE-FL u	1480	WFLN-FL		
1220	WSRQ-FL	1390	WFHT-FL			104.9	WYGC-FL

**Texas Rangers (EE)** 2010 Eric Nadel, Dave Barnett

**Texas Rangers (SS)** 2010 Eleno Ornelas, Jose Gozman

[http://texas.rangers.mlb.com/tex/schedule/tex\\_radio\\_affiliates.jsp](http://texas.rangers.mlb.com/tex/schedule/tex_radio_affiliates.jsp) (03/04/2010)

600	KTBB-TX	1240	KASO-LA		KBIX-OK	93.9	KSEY-TX
690	KPET-TX		KVLF-TX		KBST-TX	97.1	KYAL-OK
710	KGNC-TX	1260	KZNX-TX		KNEL-TX	100.7	KPXI-TX
900	KCLW-TX	1270	KFLC-TX *S		KYZS-TX	103.9	KMHT-TX
	KPYN-TX	1300	KSYB-LA	1550	KYAL-OK	104.3	KGAS-TX
1080	KRLD-TX w*	1340	KEBC-TX w	1560	KZQQ-TX		KTTU-TX
1090	KVOP-TX	1380	KBWD-TX	1660	KRZI-TX	105.1	KWMW-NM
1230	KSEY-TX	1490	KRUI-NM			105.3	KRLD-TX m*
	KSST-TX						

**Toronto Blue Jays** 2010 Jerry Howarth, Alan Ashby

[http://toronto.bluejays.mlb.com/tor/schedule/radio\\_network.jsp](http://toronto.bluejays.mlb.com/tor/schedule/radio_network.jsp) (03/04/2010)

As of January 13, 2010. Please note that not all stations will carry every one of the 162 games.

570	CKGL-ON	990	CKGM-PQ	1280	CJSL-SK		
590	CJCL-ON *	1040	CKST-BC q	1290	CJBK-ON	88.9	CHNI-NB
600	CKAT-ON	1190	CFSL-SK	1310	CIWW-ON	91.9	CKNI-NB
820	CHAM-ON	1210	CFYM-SK	1330	CJYM-SK	95.7	CJNI-NS
920	CKNX-ON	1240	CJCS-ON	1570	CKMW-MB	103.9	CHOK-ON
960	CFAC-AB						

**Washington Nationals** Charley Slowes, Dave Jagelar

[http://washington.nationals.mlb.com/was/schedule/radio\\_affiliates.jsp](http://washington.nationals.mlb.com/was/schedule/radio_affiliates.jsp) (03/04/2010)

Affiliate stations are subject to change.

730	WXTR-VA *So	840	WKTR-VA o	1450	WNOS-NC	1500	WFED-DC *
740	WRNR-WV	950	WXGI-VA	1490	WXTG-VA		
820	WWFD-MD *	1050	WTOP-MD			102.1	WXTG-VA

e = 610 WIP-PA broadcasts only the Sunday Philadelphia Phillies' games.

f = 105.3 KRLD-TX broadcasts the weekday Texas Rangers' games;

1050 KRLD-TX broadcasts the weekend games.

g = The Diamondbacks' list has "AZ KNTR/KJJJ 980"; KJJJ is 102.3.

h = Home games only

i = The Diamondbaacks' list has "AZ KDJI/KZUA Z92"; KDJI is 1270.

j = All midweek games that begin after 7PM

k = Atlanta Braves + Cincinnati Reds

l = Limited games only

m Weekday games only

n = night games only

o = Washington Nationals + Baltimore Orioles

p = Boston Red Sox + Florida Marlins + New York Yankees + Tampa Bay Rays !!

q = Seattle Mariners + Toronto Blue Jays

r = Saint Louis Cardinals + Kansas City Royals

s = selected games only

t = Saint Louis Cardinals + Chicago White Sox

u = Florida Marlins + Tampa Bay Rays

w = weekend games only

x = Kansas City Royals + Colorado Rockies

y = Kansas City Royals + Saint Louis Cardinals + Colorado Rockies

z = New York Yankees + Saint Louis Cardinals

[http://newyork.mets.mlb.com/nym/schedule/broadcast\\_info.jsp](http://newyork.mets.mlb.com/nym/schedule/broadcast_info.jsp)



Here is some Minor League Baseball (MiLB) radio information for the 2010 season. The web site <http://web.minorleaguebaseball.com/milb/schedule/> (05/06/2010) lists the MiLB leagues and the teams therein. Most of the team web sites do not list radio information, so most of this information comes from Google searches. Ken Onyschuk gave me information on the International League and the Pacific Coast League. I have not recorded the URLs, as there are too many of them. I have omitted the leagues for which I have not yet searched for radio information. Note that in some cases I found the name of the announcer but not the call and frequency of the station. Some of these teams have radio networks (besides the flagship stations); I have not researched these networks to get the station consists.

### Triple-A

#### International League

Buffalo Bisons	1520 WWKB -NY Ben Wagner, Duke McGuire
Charlotte Knights	1340 WRHI-SC Matt Swierad
Columbus Clippers	920 WMNI-OH Scott Leo
Durham Bulls	620 WDNC-NC Steve Barnes
Gwinnett Braves	550 WDUN-GA Tony Schiavone
Indianapolis Indians	950 WXLW-IN Hpward Kellman, Scot McCauley
Lehigh Valley IronPigs	90.3 WXLV-PA Jon Schaeffer
Louisville Bats	790 WKRD-KY Jim Kelch
Norfolk Tides	1310 WGH -VA Tony Mercurio
Pawtucket Red Sox	920 WHJJ-RI Dan Hoard, Steve Hyder
Rochester Red Wings	1380 WHTK-NY Josh Whetzel 1040 WYSL-NY
Scranton/Wilkes-Barre Yankees	590 WARM-PA Kent Westling
Syracuse Chiefs	620 WHEN-NY Jason Benneti, Bob McElligot
Toledo Mud Hens	1330 WCWA-OH Jim Weber, Jason Griffin

#### Pacific Coast League

Albuquerque Isotopes	610 KNML-NM Robert Portnoy
Colorado Springs Sky Sox	1460 KZNT-CO Sam Farber, Dan Karcher
Fresno Grizzlies	790 KFPT-CA Doug Greenwald
Iowa Cubs	840 KPSZ-IA Deane Ehlo
Las Vegas 51s	920 KBAD-NV Russ Langer
Memphis Redbirds	560 WHBQ-TN Tom Stocker
Nashville Sounds	104.5 WGFX-TN Pete Weber, Rich Tiner
New Orleans Zephyrs	106.1 WMTI-LA Tim Grubbs
Oklahoma City RedHawks	1340 KXXY-OK (d) Jim Byers, Judson Richards 1000 KTOK-OK (n)
Omaha Royals	1180 KOIL-NE Mark Nasser, Kevin McNabb
Portland Beavers	970 KCMD-OR Rich Nurk, Tim Haggerty
Reno Aces	1450 KHIT-NV Ryan Radtke
Round Rock Express	1260 KWNX-TX Mike Capps 1530 KZNX-TX
Sacramento River Cats	650 KSTE-CA Johnny Doskow
Salt Lake Bees	1230 KJQS-UT Steve Klauke
Tacoma Rainiers	850 KHHO-WA Mike Curto



### Double-A

<b>Eastern League</b>	
Akron Aeros	1350 WARF-OH
Altoona Curve	1450 WVAM-PA Mike Passanisi
Binghamton Mets	540 WRGW-DC Sam Farber, Steven Smith
Bowie Baysox	1330 WFNN-PA
Erie SeaWolves	1290 WNBK-NY
Harrisburg Senators	1460 WTKT-PA Terry Byron, Matt Tymann
New Britain Rock Cats	96.5 WTIC-CT Jeff Dooley, Joe D'Ambrosio, Scott Gray
New Hampshire Fisher Cats	610 WGIR-NH Bob Lipman
Portland Sea Dogs	1490 WBAE-ME Todd Jamison
Reading Phillies	1240 WIOV-PA Brian Seltzer
Richmond Flying Squirrels	910 WRNL-VA

Trenton Thunder

107.7 WRRC-NJ Jay Burnham, Justin Shackil

**Southern League**

Birmingham Barons  
Carolina Mudcats

690 WJOX-AL Curt Bloom  
98.5 WDWG-NC Patrick Kinas  
570 WDOX-NC  
96.5 WDOD-TN  
1450 WTKI-AL Chad Anderson  
92.9 WTKI-AL  
1490 WEKI-AL

Chattanooga Lookouts  
Huntsville Stars

930 WFXJ-FL  
103.9 WYAB-AL  
107.32 (HD) ESPN  
1440 WLWI-AL Joe Davis  
740 WMSP-AL

Jacksonville Suns  
Mississippi Braves  
Mobile BayBears  
Montgomery Biscuits

99.1 WNML-TN Jim Tocco, Darren Headrick  
990 WNML-TN  
99.3 WNRX-TN  
101.5 WNWS-TN

Tennessee Smokies

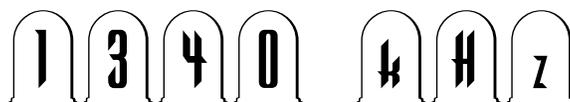
West Tenn Diamond Jaxx



# Graveyard Achievements

**Bill Hale** w\_r\_hale@sbcglobal.net  
6124 Roaring Springs Drive  
North Richland Hills, TX 76180-5552

Distance records for stations logged on graveyard frequencies



Logged from Jan 1, 1960 to Present  
Date of Last Update: March 12, 2010



# record held by a DXer in Alaska or Hawaii

\* record held by DXer from North America (excluding Alaska)

+ record held by a DXer in USA/Canada where a Canadian/USA record exceeds that mileage

Station	City	DXer	DX Location	Miles
WMFH	AL Cullman	Russ Johnson	Lexington, NC	392
WXOR	AL Florence	Charles Reh	Leamington, ON	572
WXOR	AL Florence	Steve Francis	Alcoa, TN	+ 219
WMRK	AL Selma	Barry McLarnon	Ottawa, ON	1077
WMRK	AL Selma	Steve Francis	Alcoa, TN	+ 290
WFEB	AL Sylacauga	Steve Francis	Alcoa, TN	222
AFRN	AK Ft. Yukon	Frank Merrill	Nenana, AK	#178
KIKO	AZ Miami	Art Blair	Folsom, CA	681
KFBR	AZ Nogales	Bill Harms	Spokane Valley, WA	1178
KPGE	AZ Page	Phil Bytheway	Seattle, WA	924
KENT	AZ Prescott	Don Kaskey	Sacramento, CA	562
KBTA	AR Batesville	Phil Bytheway	Seattle, WA	1769
KZNG	AR Hot Springs	Wayne Heinen	Colorado Springs, CO	720
KCAT	AR Pine Bluff	Barry McLarnon	Ottawa, ON	1154
KBRS	AR Springdale	Charles Reh	Leamington, ON	* 738
KBRS	AR Springdale	Wayne Heinen	Colorado Springs, CO	+ 630
KATA	CA Arcata	Carl Dabelstein	Lihue, HI	# 2433
KATA	CA Arcata	Phil Bytheway	Seattle, WA	* 475
KWXY	CA Cathedral City	Bruce Reynolds	San Jose, CA	391
KCBL	CA Fresno	Richard E. Wood	Hilo, HI	# 2434
KMAK	CA Fresno	Bill Harms	Spokane Valley, WA	*766
KAVC	CA Mojave	Tim Hall	Burney, CA	735
KSFE	CA Needles	John Johnson	Billings, MT	821
KEWE	CA Oroville	Richard E. Wood	Hilo, HI	# 2415

KEWE	CA	Oroville	Tim Hall	Chula Vista, CA	* 538
KATY	CA	San Luis Obispo	Frank Merrill	Nenana, AK	# 2347
KGLW	CA	San Luis Obispo	Carl Dabelstein	Phoenix, AZ	* 504
KIST	CA	Santa Barbara	Richard E. Wood	Hilo, HI	# 2390
KIST	CA	Santa Barbara	Tim Hall	Crescent City, CA	* 564
KOMY	CA	La Selva Beach	Richard E. Wood	Hilo, HI	# 2325
KOMY	CA	Watsonville	Tim Hall	Chula Vista, CA	408
KDEN	CO	Denver	Esa Hänninen	Lemmenjoki, Finland	4537
KKYD	CO	Denver	Art Blair	Folsom, CA	* 867
KQIL	CO	Grand Junction	Olle Alm	Abisko, Sweden	4535
KWSL	CO	Grand Junction	Jack Woods	Douglas, AK	# 1753
KTMM	CO	Grand Junction	Art Blair	Folsom, CA	* 676
KVRH	CO	Salida	Bill Harms	Spokane Valley, WA	866
WYBC	CT	New Haven	Russ Johnson	Lexington, NC	+ 567
WYBC	CT	New Haven	Barry McLarnon	Ottawa, ON	* 316
WOOK	DC	Washington	Andy Rugg	Montreal, QC	* 488
WYCB	DC	Washington	Tim Hall	Lakeville, PA	+ 198
WTAN	FL	Clearwater	Don Voorhies	Oswego, NY	1128
WWFL	FL	Clermont	Brett Saylor	State College, PA	872
WROD	FL	Daytona Beach	Andy Rugg	Montreal, QC	* 1197
WROD	FL	Daytona Beach	Marc DeLorenzo	Hyannis, MA	+ 1051
WZAZ	FL	Jacksonville	Don Trelford	Runaway Bay, Jamaica	868
WDSR	FL	Lake City	Barry McLarnon	Ottawa, ON	* 1116
WDSR	FL	Lake City	Ron Bailey	Shelby, NC	+ 356
WPBR	FL	Lantana	Tim Hall	Tampa, FL	176
WTYS	FL	Marianna	Ernie Wesolowski	Omaha, NE	953
WPBR	FL	Palm Beach	Ernie Cooper	Provincetown, MA	1198
WITS	FL	Sebring	Russ Johnson	Lexington, NC	576
WFSH	FL	Valparaiso-Niceville	Steve Francis	Alcoa, TN	393
WGAU	GA	Athens	Russ Edmunds	Parsippany, NJ	691
WBBQ	GA	Atlanta	Carl Dabelstein	Lincoln, NE	831
WBBQ	GA	Augusta	Russ Edmunds	Parsippany, NJ	661
WGAA	GA	Cedartown	Ron Bailey	Shelby, MT	228
WOKS	GA	Columbus	Barry McLarnon	Ottawa, ON	* 1019
WOKS	GA	Columbus	Russ Edmunds	Blue Bell, PA	+ 758
WBBT	GA	Lyons	Ron Bailey	Shelby, MT	216
WALH	GA	Mountain City	Russ Johnson	Lexington, NC	187
WTIF	GA	Tifton	Ron Schiller	Monmouth Beach, NJ	811
KSKI	ID	Hailey	Mike Hardester	Modesto, CA	537
KSGR	ID	Nampa	Esa Hänninen	Lemmenjoki, Finland	4449
KTIK	ID	Nampa	LEM96	Lemmonjoki, Finland	(Tie) 4449
KTIK	ID	Nampa	Shawn Axelrod	Winnipeg, MB	* 1004
KSGR	ID	Nampa	Tim Hall	Chula Vista, CA	+ 756
KACH	ID	Preston	Phil Bytheway	Seattle, WA	637
WSOY	IL	Decatur	Olle Alm	Abisko, Sweden	4107
WSOY	IL	Decatur	Barry McLarnon	Ottawa, ON	* 68
WSOY	IL	Decatur	Richard Lauhead	Vadnais Heights, MN	+ 416
WHPI	IL	Herrin	Shawn Axelrod	Winnipeg, MB	* 913
WJPF	IL	Herrin	Russ Edmunds	Parsippany, NJ	+ 807
WJOL	IL	Joliet	Esa Hänninen	Lemmenjoki, Finland	4114
WJOL	IL	Joliet	Shawn Axelrod	Winnipeg, MB	* 725
WBIW	IN	Bedford	Barry McLarnon	Ottawa, ON	* 707
WBIW	IN	Bedford	Ron Bailey	Shelby, NC	+ 370
WTRC	IN	Elkhart	Denis Picard	Trois-Rivières-Ouest, QC	* 737
WTRC	IN	Elkhart	Russ Edmunds	Blue Bell, PA	+ 568
WXFN	IN	Muncie	Barry McLarnon	Ottawa, ON	605
WLBC	IN	Muncie	John Wilkins	West Des Moines, IA	+ 447
KROS	IA	Clinton	Barry McLarnon	Ottawa, ON	760
KLIL	IA	Estherville	Ernie Wesolowski	Omaha, NE	165
KFKF	KS	Kansas City	Esa Hänninen	Lemmenjoki, Finland	4396
KFKF	KS	Kansas City	Shawn Axelrod	Winnipeg, MB	* 714

KCKN	KS	Kansas City	John Wilkins	Wheat Ridge, CO	+ 558
KSEK	KS	Pittsburg	Shawn Axelrod	Winnipeg, MB	* 858
KSEK	KS	Pittsburg	Neil Kazaross	Barrington, IL	+ 480
WCMJ	KY	Ashland	Joe Fela	Newark, NJ	* 477
WCMJ	KY	Ashland	Jeff Falconer	Clinton, ON	+ 362
WBGJ	KY	Bowling Green	Carl Dabelstein	Omaha, NE	* 596
WBGJ	KY	Bowling Green	Ernie Wesolowski	Omaha, NE	(Tie) * 596
WBGJ	KY	Bowling Green	Jeff Falconer	Clinton, ON	+ 525
WNBS	KY	Murray	George Santulli	Cranford, NJ	809
WEKY	KY	Richmond	Ron Schiller	Monmouth Beach, NJ	583
KVOB	LA	Bastrop	Bruce Reynolds	Warrensburg, MO	426
KRMD	LA	Shreveport	Frank Wheeler	Erie, PA	1005
WFAU	ME	Augusta	Barry McLarnon	Ottawa, ON	304
WDME	ME	Dover-Foxcroft	Don Voorhies	Oswego, NY	381
WHOU	ME	Houlton	Christian DeHaes	Chicoutimi, QC	219
WNZS	ME	Veazie	Barry McLarnon	Ottawa, ON	349
WGAJ	MA	Gardner	Barry McLarnon	Ottawa, ON	269
WNBH	MA	New Bedford	Christian DeHaes	Chicoutimi, QC	471
WBRK	MA	Pittsfield	Jeff Falconer	Clinton, ON	428
WBRK	MA	Pittsfield	Christian DeHaes	Chicoutimi, QC	(Tie) 428
WLEW	MI	Bad Axe	Barry McLarnon	Ottawa, ON	372
WLAV	MI	Grand Rapids	Bruce Conti	West Warwick, RI	* 763
WBBL	MI	Grand Rapids	Barry McLarnon	Ottawa, ON	+ 519
WCSR	MI	Hillsdale	George Santulli	Cranford, NJ	* 575
WCSR	MI	Hillsdale	Jeff Falconer	Clinton, ON	+ 196
WMTE	MI	Manistee	Barry McLarnon	Ottawa, ON	* 522
WMTE	MI	Manistee	Neil Kazaross	Barrington, IL	+ 169
WAGJ	MI	Menominee	Ron Schiller	Monmouth Beach, NJ	* 766
WAGJ	MI	Menominee	Barry McLarnon	Ottawa, ON	+ 575
WMBJ	MI	Petoskey	Shawn Axelrod	Valhalla Beach, MB	* 665
WMBJ	MI	Petoskey	Russ Edmunds	Blue Bell, PA	+ 609
WEXL	MI	Royal Oak	Barry McLarnon	Ottawa, ON	416
KQBR	MN	Brainerd	Don Trelford	Runaway Bay, Jamaica	2159
KVBR	MN	Brainerd	Barry McLarnon	Ottawa, ON	* 886
KVBR	MN	Brainerd	Neil Kazaross	Barrington, IL	+ 416
KDLM	MN	Detroit Lakes	Andy Rugg	Waterloo, ON	* 781
KDLM	MN	Detroit Lakes	Neil Kazaross	Barrington, IL	+ 498
WEVE	MN	Eveleth	Morris Sorensen	Leaf Rapids, MB	* 710
KRBT	MN	Eveleth	Neil Kazaross	Barrington, IL	+ 425
KROC	MN	Rochester	Neil Kazaross	Barrington, IL	255
KWLM	MN	Willmar	Neil Kazaross	Barrington, IL	401
WAML	MS	Laurel	Ernie Wesolowski	Omaha, NE	767
WKOZ	MS	Kosciusko	Robert Forsman	Escatawpa, MS	190
KXEO	MO	Mexico	Andy Rugg	Montreal, QC	* 1028
KXEO	MO	Mexico	Russ Edmunds	Parsippany, NJ	+ 929
KLID	MO	Poplar Bluff	Charles Reh	Leamington, ON	* 552
KLID	MO	Poplar Bluff	John Wilkins	West Des Moines, IA	+ 378
KSMO	MO	Salem	Les Rayburn	Helena, AL	400
KICK	MO	Springfield	Dave Whatmough	Hamilton, ON	* 822
KICK	MO	Springfield	Neil Kazaross	Barrington, IL	+ 445
KCAP	MT	Helena	Bruce Reynolds	Warrensburg, MO	1056
KPRK	MT	Livingston	Carl Dabelstein	Omaha, NE	* 817
KPRK	MT	Livingston	Tim Hall	Jasper, AB	+ 546
KATL	MT	Miles City	Ernie Wesolowski	Omaha, NE	599
KATL	MT	Miles City	Carl Dabelstein	Omaha, NE	(Tie) 599
KYLT	MT	Missoula	MB DXpedition&	Arnes, MB	* 819
KYLT	MT	Missoula	Tim Hall	Lake MacDonald, MT	+ 114
KHUB	NE	Fremont	Charles Reh	Leamington, ON	* 716
KHUB	NE	Fremont	John Wilkins	Wheat Ridge, CO	+ 468
KGFW	NE	Kearney	Olle Alm	Abisko, Sweden	4265
KGFW	NE	Kearney	Art Blair	Folsom, CA	* 1179

KSID	NE	Sidney	Olle Alm	Abisko, Sweden	4309
KSID	NE	Sidney	Tim Hall	US 6/US 50 on UT side of UT/NV border*	603
KTSN	NV	Elko	Tim Hall	Jasper, AB	* 838
KTSN	NV	Elko	Tim Hall	Chula Vista, CA	+ 574
KRAM	NV	Las Vegas	Frank Merrill	Nenana, AK	# 2409
KRLV	NV	Las Vegas	Tim Hall	Yellowstone Lake Village, WY*	629
KBET	NV	Reno	Bill Harms	Spokane Valley, WA	578
WDCR	NH	Hanover	Jeff Falconer	Clinton, ON	464
WWNH	NH	Madbury	Jeff Falconer	Clinton, ON	+ 534
WWNH	NH	Madbury	Russ Edmunds	Blue Bell, PA	* 307
WMID	NJ	Atlantic City	Esa Hänninen	Lemmenjoki, Finland	3961
WMID	NJ	Atlantic City	Bill Dvorak	Madison, WI	* 817
WMID	NJ	Atlantic City	Jeff Falconer	Clinton, ON	+ 469
KCEM	NM	Aztec	Olle Alm	Abisko, Sweden	4681
KNDE	NM	Aztec	Ernie Wesolowski	Omaha, NE	* 706
KSSR	NM	Santa Rosa	Glenn Hauser	(near) Vega, TX	123
KSIL	NM	Silver City	Phil Bytheway	Seattle, WA	1262
KKIT	NM	Taos	Phil Bytheway	Seattle, WA	1154
WMBO	NY	Auburn	Esa Hänninen	Lemmenjoki, Finland	3786
WMBO	NY	Auburn	Charles Reh	Leamington, ON	* 311
WENT	NY	Gloversville	Jeff Falconer	Clinton, ON	* 363
WENT	NY	Gloversville	Wayne Heinen	Orchard Park, NY	+ 223
WКСN	NY	Jamestown	Andy Rugg	Montreal, QC	367
WLVL	NY	Lockport	Carl Dabelstein	Lincoln, NE	* 932
WLVL	NY	Lockport	Barry McLarnon	Ottawa, ON	+ 209
WMSA	NY	Massena	Charles Reh	Leamington, ON	433
WALL	NY	Middletown	Denis Picard	Trois-Rivières-Ouest, QC	351
WIRY	NY	Plattsburgh	Esa Hänninen	Lemmenjoki, Finland	3653
WIRY	NY	Plattsburgh	Charles Reh	Leamington, ON	* 494
WIRY	NY	Plattsburgh	Russ Edmunds	Blue Bell, PA	+ 328
WOOW	NC	Greenville	Jeff Falconer	Clinton, ON	* 596
WOOW	NC	Greenville	Steve Francis	Alcoa, TN	+ 371
WJRI	NC	Lenoir	Wayne Heinen	Orchard Park, NY	499
WTSB	NC	Lumberton	Russ Edmunds	Syracuse, NY	605
WCBQ	NC	Oxford	Russ Edmunds	Blue Bell, PA	321
WADE	NC	Wadesboro	Russ Johnson	Lexington, NC	61
WGNI	NC	Wilmington	Andy Rugg	Montreal, QC	* 814
WLSG	NC	Wilmington	Russ Edmunds	Blue Bell, PA	+ 435
WAIR	NC	Winston-Salem	Andy Rugg	Montreal, QC	* 739
WPOL	NC	Winston-Salem	Russ Edmunds	Blue Bell, PA	+ 391
KPOK	ND	Bowman	Phil Bytheway	Seattle, WA	900
KXPO	ND	Grafton	Wayne Heinen	Colorado Springs, CO	* 756
KXPO	ND	Grafton	Tim Hall	Winnipeg, MB	+ 104
WNCO	OH	Ashland	Shawn Axelrod	Winnipeg, MB	* 942
WNCO	OH	Ashland	Ron Bailey	Shelby, NC	+ 381
WOUB	OH	Athens	Barry McLarnon	Ottawa, ON	* 527
WOUB	OH	Athens	Ron Bailey	Shelby, NC	+ 286
WIZE	OH	Springfield	Shawn Axelrod	Winnipeg, MB	* 937
WIZE	OH	Springfield	Ron Bailey	Shelby, NC	+ 348
WSTV	OH	Steubenville	Barry McLarnon	Ottawa, ON	* 425
WSTV	OH	Steubenville	Steve Francis	Alcoa, TN	+ 364
KIHN	OK	Hugo	Charles Reh	Leamington, ON	894
KXXY	OK	Oklahoma City	Don Trelford	Runaway Bay, Jamaica	1711
KXXY	OK	Oklahoma City	Steve Francis	Alcoa, TN	* 760
KTOW	OK	Sand Springs	Karl Jeter	Atlanta, GA	675
KLOO	OR	Corvallis	Olle Alm	Abisko, Sweden	4399
KLOO	OR	Corvallis	Tim Hall	Radium Hot Springs, BC	* 538
KLOO	OR	Corvallis	Tim Hall	Port Angeles, WA	+ 246
KWVR	OR	Enterprise	Esa Hänninen	Lemmenjoki, Finland	4325
KWVR	OR	Enterprise	Tim Hall	Jasper, AB	* 516
KWVR	OR	Enterprise	Ron Schiller	Coeur d'Alene, ID	+ 156

KIHR	OR	Hood River	Esa Hänninen	Lemmenjoki, Finland	4354
KIHR	OR	Hood River	Tim Hall	Monterey, CA	* 630
KBBR	OR	North Bend	Richard E. Wood	Hilo, HI	# 2428
KBBR	OR	North Bend	Tim Hall	Monterey, CA	* 488
KBBR	OR	North Bend	Tim Hall	between San Juan Island and Victoria, BC	+ 353
WCVI	PA	Connellsville	Andy Rugg	Montreal, QC	* 486
WCVI	PA	Connellsville	Wayne Heinen	Orchard Park, NY	* 195
WSAJ	PA	Grove City	Frank Merrill	Holland, OH	195
WOYL	PA	Oil City	Barry McLarnon	Ottawa, ON	336
WHAT	PA	Philadelphia	Jeff Falconer	Clinton, ON	411
WYCK	PA	Plains	Barry McLarnon	Ottawa, ON	272
WRAW	PA	Reading	Barry McLarnon	Ottawa, ON	349
WTRN	PA	Tyrone	Steve Francis	Alcoa, TN	* 458
WTRN	PA	Tyrone	Barry McLarnon	Ottawa, ON	+ 348
WBRE	PA	Wilkes-Barre	Karl Jeter	Stone Mountain, GA	695
WWPA	PA	Williamsport	MB DXpedition&	Arnes, MB	* 1153
WWPA	PA	Williamsport	Tim Hall	New Cumberland, PA	+ 69
WOKE	SC	Charleston	Barry McLarnon	Ottawa, ON	* 896
WQSC	SC	Charleston	Russ Edmunds	Blue Bell, PA	+ 570
WRHI	SC	Rock Hill	Joe Kureth	Uniontown, MD	390
WSSC	SC	Sumter	Russ Edmunds	Little Silver, NJ	558
KIJV	SD	Huron	Frank Merrill	Milan, MI	748
KTOQ	SD	Rapid City	Esa Hänninen	Lemmenjoki, Finland	4220
KTOQ	SD	Rapid City	Phil Bytheway	Seattle, WA	* 953
WBAC	TN	Cleveland	Dave Whatmough	Hamilton, ON	* 620
WBAC	TN	Cleveland	Ron Bailey	Shelby, NC	+ 185
WCRM	TN	Columbia	Karl Jeter	Stone Mountain, GA	206
WGRV	TN	Greeneville	Barry McLarnon	Ottawa, ON	* 735
WGRV	TN	Greeneville	Russ Edmunds	Blue Bell, PA	+ 495
WKGN	TN	Knoxville	Andy Rugg	Pointe Claire, QC	* 848
WKGN	TN	Knoxville	John Wilkins	West Des Moines, IA	+ 653
WLOK	TN	Memphis	George Santulli	Cranford, NJ	950
WCDT	TN	Winchester	Charles Reh	Leamington, ON	* 511
WCDT	TN	Winchester	Ron Bailey	Shelby, NC	+ 255
KWKC	TX	Abilene	John Wilkins	West Des Moines, IA	715
KHLB	TX	Burnet	Carl Dabelstein	Lincoln, NE	700
KAND	TX	Corsicana	Frank Wheeler	Erie, PA	1139
KSET	TX	El Paso	John Wilkins	West Des Moines, IA	974
KLBK	TX	Lubbock	John Wilkins	West Des Moines, IA	711
KRBA	TX	Lufkin	Carl Dabelstein	Lincoln, NE	665
KPDN	TX	Pampa	John Johnson	Sheridan, WY	714
	TX	Port Arthur	vacant		
KTEO	TX	San Angelo	Wayne Heinen	Colorado Springs, CO	566
KVIC	TX	Victoria	Ernie Wesolowski	Omaha, NE	860
KVIC	TX	Victoria	Carl Dabelstein	Omaha, NE	(Tie) 860
KTMP	UT	Heber City	Shawn Axelrod	Winnipeg, MB	940
KMTI	UT	Manti	Bill Harms	Spokane Valley, WA	645
WVNR	VT	Poultney	Barry McLarnon	Ottawa, ON	* 181
WVNR	VT	Poultney	Don Voorhies	Oswego, NY	+ 166
WSTJ	VT	St. Johnsbury	Christian DeHaes	Chicoutimi, QC	281
WKEY	VA	Covington	Shawn Axelrod	Winnipeg, MB	* 1184
WKEY	VA	Covington	Russ Edmunds	Blue Bell, PA	+ 303
WHAP	VA	Hopewell	Barry McLarnon	Ottawa, ON	* 563
WHAP	VA	Hopewell	Ron Bailey	Shelby, NC	+ 278
WVCV	VA	Orange	Barry McLarnon	Ottawa, ON	* 506
WVCV	VA	Orange	Tim Hall	Newton, NJ	+ 264
WBLB	VA	Pulaski	Steve Francis	Alcoa, TN	195
KAGT	WA	Anacortes	John Campbell	Malnagen, Norway	4042
KLKI	WA	Anacortes	Nancy Johnson	Billings, MT	* 689
KLKI	WA	Anacortes	Tim Hall	Chilkoot Inlet, AK	# 901
KLKI	WA	Anacortes	Tim Hall	Jasper, AB	+ 362

KTCR	WA	Kennewick	LEM96	Lemmenjoki, Finland	4304
KTCR	WA	Kennewick	Tim Hall	Chula Vista, CA	* 1053
KTCR	WA	Kennewick	Tim Hall	Jasper, AB	+ 463
KAPA	WA	Raymond	Tim Hall	Vancouver, BC	180
KUOW	WA	Tumwater	Ron Schiller	Coeur d'Alene, ID	* 292
KVSN	WA	Tumwater	Tim Hall	Georgian Strait near Parksville, BC	+ 174
KWWW	WA	Wenatchee	Nancy Johnson	Aberdeen, WA	* 168
KWWX	WA	Wenatchee	Tim Hall	Trail, BC	+ 167
WHAR	WV	Clarksburg	Don Lynch	Lynn, MA	* 536
WXKX	WV	Clarksburg	Barry McLarnon	Ottawa, ON	+ 479
WEPM	WV	Martinsburg	Barry McLarnon	Ottawa, ON	* 423
WEPM	WV	Martinsburg	Steve Francis	Alcoa, TN	+ 415
WMON	WV	Montgomery	Joe Kureth	Uniontown, MD	248
WLDY	WI	Ladysmith	Joe Kureth	Uniontown, MD	* 820
WLDY	WI	Ladysmith	Jeff Falconer	Clinton, ON	+ 490
WRIT	WI	Milwaukee	John Johnson	Sheridan, WY	* 952
WJYI	WI	Milwaukee	Jeff Falconer	Clinton, ON	+ 326
KSGT	WY	Jackson	Carl Dabelstein	Lincoln, NE	747
KYCN	WY	Wheatland	Phil Bytheway	Seattle, WA	933
KWOR	WY	Worland	Esa Hänninen	Lemmenjoki, Finland	4296
KWOR	WY	Worland	Bill Dvorak	Madison, WI	* 933
WNOZ	PR	Aguadilla	César Objío	Santo Domingo, DR	180
WSTA	VI	Charlotte Amalie	Tim Hall	Crane Beach, Barbados	499
CIBQ	AB	Brooks	Olle Alm	Abisko, Sweden	3851
CIBQ	AB	Brooks	Niel Wolfish	Winnipeg, MB	* 655
CIBQ	AB	Brooks	Shawn Axelrod	Winnipeg, MB	(Tie) * 655
CIBQ	AB	Brooks	Tim Hall	Omak, WA	+ 372
CJLW1	AB	Grand Centre	Esa Hänninen	Lemmenjoki, Finland	3543
CJCM	AB	Grand Centre	Phil Bytheway	Seattle, WA	* 708
CINL	BC	Ashcroft	Tim Hall	Peril Strait, AK	# 740
CINL	BC	Ashcroft	Tim Hall	Glacier National Park, MT	* 391
CINL	BC	Ashcroft	Tim Hall	Finlayson Channel, BC	+ 333
CFKC	BC	Creston	Phil Bytheway	Seattle, WA	286
CKGF	BC	Grand Forks	Nancy Johnson	Aberdeen, WA	* 285
CKGF	BC	Grand Forks	Tim Hall	Lake Louise, AB	+ 194
CKCR	BC	Revelstoke	Phil Bytheway	Seattle, WA	* 316
CKCR	BC	Revelstoke	Tim Hall	Fernie, BC	+ 171
CIVH	BC	Vanderhoof	Tim Hall	Chilkoot Inlet, AK	# 560
CIVH	BC	Vanderhoof	Phil Bytheway	Seattle, WA	* 450
CIVH	BC	Vanderhoof	Tim Hall	Lake Louise, AB	+ 373
CJNC	MB	Norway House	Shawn Axelrod	Swan River, MB	194
CKXX	NF	Corner Brook	Esa Hänninen	Lemmenjoki, Finland	3001
CKWK	NF	Corner Brook	Christian DeHaes	Chicoutimi, QC	* 597
CFGB	NF	Happy Valley	Esa Hänninen	Lemmenjoki, Finland	3043
CBNH	NF	Searston	Jean Burnell	St. John's, NF	309
CFLW	NF	Wabush	Esa Hänninen	Lemmenjoki, Finland	2968
CFYK	NT	Yellowknife	Esa Hänninen	Lemmenjoki, Finland	3163
CFYK	NT	Yellowknife	Morris Sorensen	God's Lake Narrows, MB	* 898
CJLS	NS	Yarmouth	Esa Hänninen	Lemmenjoki, Finland	3494
CJLS	NS	Yarmouth	Jeff Falconer	Clinton, ON	* 768
CKNR	ON	Elliot Lake	Andy Rugg	Nuns' Island, QC	440
CFCH	ON	Hearst	Morris Sorensen	Leaf Rapids, MB	840
CKAR1	ON	Parry Sound	Ron Schiller	Monmouth Beach, NJ	* 463
CFBQ	ON	Parry Sound	Jeff Falconer	Clinton, ON	+ 141
CKRE	ON	Red Lake	MB DXpedition&	Valhalla Beach, MB	125
CKOX	ON	Woodstock	Wayne Heinen	Orchard Park, NY	104
CHAD	QC	Amos	Jeff Falconer	Clinton, ON	381
CJAN	QC	Asbestos	Charles Reh	Leamington, ON	589
CJAF	QC	Cabano	Andy Rugg	Montreal, QC	273
CHRD	QC	Drummondville	Andy Rugg	Montreal, QC	73
CJQC	QC	Quebec	Charles Reh	Leamington, ON	646

CBGA7	QC	Ste-Anne-des-Monts	Esa Hänninen	Lemmenjoki, Finland	3197
CBGA7	QC	Ste-Anne-des-Monts	Christian DeHaes	Chicoutimi, QC	* 216
CKVT	QC	Temiscaming	MB DXPedition&	Arnes, MB	857
CFSL	SK	Weyburn	Carl Dabelstein	Omaha, NE	695
XEAA	BCN	Mexicali	Esa Hänninen	Lemmenjoki, Finland	5159
XEAA	BCN	Mexicali	Ron Schiller	Monmouth Beach, NJ	* 2354
XEOM	MS	Coatzacoalcos	Robert Forsman	Pascagoula, MS	926
XEZE	NAY	Santiago Ixcuintla	Tim Hall	16 miles w. of Cabo San Lucas, BCS	326
XENV	NL	Monterrey	Tim Hall	Fort Stockton, TX	394
XELU	PUE	Ciudad Serdón	Tim Hall	Houston, TX	757
XESL	SLP	San Luis Potosí	Tim Hall	San Antonio, TX	531
XECW	SIN	Los Mochis	Esa Hänninen	Lemmenjoki, Finland	5524
XECW	SIN	Los Mochis	Tim Hall	Rancho Bernardo, CA	* 704
XEOS	SON	Ciudad Obregón	Tim Hall	Poway, CA	574
XEBK	TA	Nuevo Laredo	Don Trelford	Runaway Bay, Jamaica	1455
XEMT	TA	Matamoros	Tim Hall	Houston, TX	299
XEOM	VE	Coatzacoalcos	Robert Forsman	Pascagoula, MS	926
ZBM2	BD	Hamilton	Olle Alm	Göteborg, Sweden	3886
ZBM2	BD	Hamilton	Charles Reh	Leamington, ON	* 1185
PRH6	BR	Belo Horizonte	Pete Taylor	Rio de Janeiro, Brazil	211
HIBZ	DR	San Juan	Thomas Giella	Miami, FL	734
CMHU	CU	Cienfuegos	Don Trelford	Runaway Bay, Jamaica	330
WGBY	CU	Guantánamo Bay	Ron Schiller	Lighthouse Point, FL	543
HJFA	CL	Barranquilla	Ron Schiller	Lighthouse Point, FL	1121
HJFB	CL	Bogotá	Carl Dabelstein	Lihue, HI	5806
HRH6	HON	San Pedro Sula	Ron Schiller	Lighthouse Point, FL	920
BBC	UK	Lisnagarvey	Ron Schiller	Monmouth Beach, NJ	3190
----	CHN	Guangzhou	Pete Taylor	Hong Kong	95
BEC48	TWN	Matsu	Frank Merrill	Nenana, AK	4627

- MB DXPedition & = [Shawn Axelrod, Wayne McRae]
- LEM96 = [Mika Makelainen and Jorma Mantyla]

Remember, all GYDX Achievements and Totals are now online at:  
<http://www.nrcdxas.org/GYDXA/>



## Legendary sportscaster Ernie Harwell dies at 92 from wwj.com

Southfield (WWJ) -- Baseball fans are mourning the death of legendary Detroit Tigers broadcaster Ernie Harwell who died at his home in Novi Tuesday evening.

Here are statements from a number of people:  
*Detroit Tigers owner Michael Ilitch --*

"Ernie Harwell was the most popular sports figure in the State of Michigan. He was so genuine in everything that he did – from his legendary broadcasting to the way he treated the fans and everyone around him. He was truly a gentleman in every sense of the word. Ernie has a special place in the hearts of all Detroit Tigers' fans and the memories he created for so many of us will never be forgotten. Baseball lost a legendary voice this evening and we have all lost a dear friend. Marian and I, and our entire organization, extend our deepest sympathies to Ernie's wife, Lulu,



and to the Harwell family."

*David Dombrowski, president, CEO and General Manager of the Detroit Tigers--*

"Ernie was so engaging. He had such a genuine gift of making people feel like he was your friend. Ernie made you feel good about life, and brought a smile to everyone he knew. His passion and wisdom during each broadcast gave you insight to his love for the Tigers, and for the state of Michigan. The entire Detroit Tigers' family extends their heartfelt condolences to his wife, Lulu, and the Harwell family."

*Christopher Ilitch, president and CEO of Ilitch Holdings Inc.--*

"We lost a true legend today – not just in baseball, but in life. Ernie was one-of-a-kind. He was warm, passionate and had an unmatched love for the game of baseball... and he also loved Detroit and entire State of

Michigan. We were lucky to have Ernie in our lives; he will surely be missed by baseball fans and anyone who has ever had the privilege to meet him. Our thoughts and prayers are with his wife Lulu and the Harwell family."

*Michigan Governor Jennifer M. Granholm --*

"For millions of Tiger fans, Ernie Harwell was the voice of summer. Ernie's voice and announcing style were legendary, and he captivated listeners with his wealth of stories about the game and its players.

"As great as Ernie was as a baseball announcer, he was an even greater human being. Everybody loved Ernie. He had time and a kind word for everyone. Ernie was a man of immense faith, and his spirit, courage and grace during the last months of his life were inspirational. I extend my deepest sympathy to his wife Lulu and the Harwell family on their loss.

*Lieutenant Governor John D. Cherry Jr. --*

"Baseball has lost another broadcasting legend. When Ernie was calling games for the Tigers, he could be heard throughout Michigan in people's homes, at backyard picnics and barbecues, and on car radios. Children fell asleep at night listening to Ernie's voice during the Tigers' West Coast road trips.

"Ernie was an original and a broadcasting icon, yet he remained humble and kind, a perfect gentleman. He had as much time for a fan as he did for a baseball superstar. It's said that no one is irreplaceable, but no one will ever replace Ernie Harwell."

*U.S. Congresswoman Candice Miller--*

"For generations of Tigers fans Ernie Harwell was the voice of summer. Day after day, and year after year, that wonderful southern gentleman who we heard on our radios made every baseball season wonderful, regardless of the number of Tigers wins and losses. The loss of Ernie Harwell for Tigers fans is immense, but it is even a greater loss for our entire community. Ernie Harwell personified integrity, generosity, courtesy, honor and class. As a young man he served our nation in the United States Marine Corps during World War II. For 68 years he shared his life with his beloved wife Lulu. For more than 40 years his voice was

a welcome friend on our radios. Throughout his life his charitable acts and gentle kindness made him a beloved figure for all, baseball fan or not. Our hearts go out to Lulu Harwell for her great loss. She also gets our thanks for sharing the man who she loved, and who we all came to love, for these many years.

*"Rest in peace, Ernie."*

*Major League Baseball Commissioner Bud Selig.-*

"All of Major League Baseball is in mourning tonight upon learning of the loss of a giant of our game, Ernie Harwell. This son of Georgia was the voice of the Detroit Tigers and one of the game's iconic announcers to fans across America, always representing the best of our national pastime to his generations of listeners.

"Without question, Ernie was one of the finest and most distinguished gentlemen I have ever met. On behalf of Major League Baseball, I extend my deepest sympathy to Ernie's beloved wife Lulu, his four children, his friends and his countless admirers throughout our game."

*Los Angeles Dodgers broadcaster Vin Scully, like Harwell a recipient of the Ford C. Frick Award presented annually by the Baseball Hall of Fame to a broadcaster for major contributions to baseball.--*

"Probably the best word, he was gentle. And it came across. He just cared for people and he loved baseball. I mean, he loved it beyond just doing games. When I thought of him always, it was gentle or caring. So you can understand how the people in Detroit just loved him. I followed him into Brooklyn, and then I followed him into the Hall. He was such a lovely man. However that word is defined, that was Ernie."

*San Francisco Giants and ESPN broadcaster Jon Miller, the 2010 recipient of the Frick Award.--*

"It's extraordinarily sad for anybody in baseball, anybody who knew Ernie, and yet Ernie was the one who was out front, telling everybody that it was inevitable, it was about to happen. He had such a strength and grace in talking about it as just being the next great adventure. He's one of the all-time great broadcasters and great human beings that I've ever had the great pleasure to know. He will be sorely missed."

## ***Bill jeopardizes campus radio***

***Performance Rights Act adds fees to corporate and local radio stations***

***By Andrew Scott, Dakota Student***

How much would you pay to listen to music on the radio? The newly anticipated, student run UND radio station is facing a tough start because of that very question.

The Performance Rights Act is a proposed bill that would essentially "bail out the record industry," requiring radio stations to pay royalty fees, similar to a tax, when music is played on the air; the breakdown: record labels would receive 50 per-

cent, artists 45 percent, musicians and background singers 5 percent.

Who would be hit the hardest? Small and independent radio stations such as college radio. An annual flat rate would be calculated according to a radio stations' revenue, an estimated \$500 a year for small stations, \$5,000 for medium stations and much more for larger stations. Many say that's big money adding up year after year that they don't

have.

"It's a two-fold dilemma. If radio stations are charged more to play music, they are going to have to charge more for advertising, and in this economy that's going to be tough to do, especially for the small town stations," said Jackie DeMolee, Board of Student Publications (BOSP) chair.

Opponents of the law feel that free radio is a promotional tool for new artists, new songs and the music industry as a whole and have said that the Performance Rights Act is just another avenue for money-hungry record labels and artists who already earn millions. But, record labels and artists say they have been hit hard by the economic crisis like everyone else, and finally deserve a portion of the billions of dollars of yearly radio industry profits.

Proponents also say musicians have had to perform into their early 70's to earn money. The new law would pay fees half to labels and almost

half to artists, who have been increasingly owning their own labels.

St. Cloud State University student run radio gets approximately \$14,000 a year from Student Government funding. Their total operations are nearly two thousand dollars more, roughly 16,000 total, an amount they need to make up in advertising and raising money. The new \$500 imposed tax would represent 25% of what they need to just break even.

A non-commercial terrestrial license by the FCC is around \$40,000 to start up, which is why UND students are looking to team up with University Police Department in a frequency or go with internet radio for the time being.

The bill has been introduced and passed by committees; now the House and Senate need to vote along with the President's pen. Like free radio? Those wishing to sign the online petition may go to <http://saveyourradio.org/>

### *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, or [amradiolog@nrcdxas.org](mailto:amradiolog@nrcdxas.org). Thanks!

### **IRCA Foreign Logs**

**IRCA Foreign Log #12.** This edition contains ALL the SDXM DXWW-E, DXWW-W and DXWW-II tips from 8/02 to 8/05, all collated and in frequency order by TA, PA and TP for each DXWW column. Prices: NRC/IRCA members - \$10.00 (US/Canada/Mexico/sea mail), \$11.50 (rest of the Americas/Europe airmail), \$12.50 (Australia/New Zealand airmail). **Non-members** - add \$2.00.

The IRCA has published nine additional volumes of the IRCA Foreign Log. Each volume contains the several hundred actual tips that were reported to the DXWW sections during an entire year, compiled and retyped in a book format. In addition, special features include articles on foreign DXing (volumes 6, 7 and 8), utility lists (volumes 7 and 8), shortwave parallels (volume 8) and BCB propagation (volumes 6, 7 and 8). The IRCA Bookstore still has volumes 3, 4, 6, 7 and 8 of the IRCA Foreign Log available for \$2.50 each (overseas airmail add \$2.50/book).

To order from the IRCA Bookstore, send the correct amount in USA funds (payable to "Phil Bytheway") to:

**IRCA BOOKSTORE - 9705 MARY NW - SEATTLE WA - 98117-2334 (PayPal e-mail: [phil\\_tekno@yahoo.com](mailto:phil_tekno@yahoo.com)). Please state club affiliation when ordering.**

### **NEW! IRCA Mexican Log, 14th Edition (Winter 2009)**

The **IRCA MEXICAN LOG** lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The transmitter site index (listed by state, then city) tabulates the latitude and longitude of transmitter sites. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11".

Prices: **NRC/IRCA members** - \$9.50 (US/Canada/Mexico/sea mail), \$12.00 (rest of the Americas/Europe airmail), \$12.50 (Australia/Japan/New Zealand airmail). **Non-IRCA members** - add \$2.00. Please state club affiliation when ordering.

To order, send the correct amount (in U. S. funds payable to Phil Bytheway) to:

**IRCA BOOKSTORE - 9705 MARY NW - SEATTLE WA 98117-2334.**

Or, pay electronically with PayPal (add \$1). Go to [www.PayPal.com](http://www.PayPal.com), and then send your funds to [phil\\_tekno@yahoo.com](mailto:phil_tekno@yahoo.com) (Phil Bytheway).



**It's a weekend full of radio fun in upstate New York,  
Friday, Aug. 27 - Sunday Aug. 29!**

**WHERE?** Rochester and vicinity, an easy drive from just about anywhere in the northeast, Midwest, or mid-Atlantic states, and an easy flight from just about anywhere in the country. Our host hotel, the Brookwood Inn, sits along the historic Erie Canal in the quaint village of Bushnell's Basin, just east of Rochester and a few freeway exits off the New York State Thruway (I-90).

**WHEN?** Official convention activities start Friday morning, August 27, but early arrivals are welcome to join us for an informal dinner (and maybe a Rochester Red Wings baseball game) on Thursday night, August 26.

**WHAT TO DO?** On Friday, we'll have a full day of tours of Rochester's AM, FM and TV stations - or hang out and enjoy the companionship in our meeting room at the inn. Friday night, it's a cookout at the famous DX spread of Jim Renfrew. On Saturday morning, join us in the convention room for several informal presentations about DXing and broadcast history, then more tours (including the Antique Wireless Association museum!) Saturday night, it's the banquet (menu and location TBA), then back to the hotel for the world-famous auction. (Note: please - no children during the business meeting or speaker's presentation; hold all questions until after the speaker has finished.) And on Sunday, we'll meet in the morning for the annual DX Quiz before heading home.

**FUN FOR THE FAMILY!** There's plenty to do in greater Rochester for spouses and kids, too. Lisa Fybush is coordinating family activities Friday and Saturday; contact her at [lisa@fybush.com](mailto:lisa@fybush.com) for details.

**DON'T WAIT TO MAKE YOUR RESERVATION!** Rooms at the Brookwood Inn are just \$65/night (plus tax) for up to four people in a room. Breakfast is included, and parking and the airport shuttle are free. Call the Brookwood Inn at 800-396-1194 or 585-248-9000 and say you are part of the National Radio Club. Then drop Scott a line at [scott@fybush.com](mailto:scott@fybush.com) or 92 Bonnie Brae Ave, Rochester NY 14618 to let us know you're coming - and stay tuned for more registration details coming soon!

**Your Rochester-Western New York Convention Committee:  
Scott Fybush - Lisa Fybush - Jerry Bond - Greg Coniglio - Rick Lucas - Jim Renfrew**

## National Radio Club

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The National Radio Club includes NRC Publications, DX News, e-DXX, and DX Audio Service:

- NRC Publications - Wayne Heinen, Manager - P. O. Box 473251 - Aurora, CO 80047-3251; <sales@nrcdxas.org>. (What to send: \$ for Publications/Reprint Orders, subscription payments, sample requests).

- DX News - Publisher/Editor - Paul Swearingen <plsbcdxer@aol.com> - 2840 SE Illinois Ave. - Topeka, KS 66605-4711; 785-224-6907 [leave voice mail]. (Contributions to *DX News* only)

DX News yearly subscription (30 Issues): (send checks/money orders to National Radio Club - P. O. Box 473251 - Aurora, CO 80047-3251) U. S. Address: U\$33.00; Canadian Address: U\$43.00; all other countries: U\$57.00. Subscription or delivery problems? Contact Wayne at <sales@nrcdxas.org> or his street address above.

- DX Audio Service - Fred Vobbe, Publisher/Producer - 706 Mackenzie Drive - Lima, OH 45805-1835, 360-382-1957 (recordings for the Audio Service; \$ for subscriptions; DXAS address changes)

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- e-DXX.com: To subscribe: Access the e-DXX web site <http://e-dxn.com> and then follow the indicated links to register: +\$5.00 if you're already a DXN or DXAS subscriber; \$15.00 to non-subscribers.

- Payment options for any item: US funds only: check, money order, or credit card (via PayPal: access <www.nrcdxas.org> ONLY and follow the links), or cash only at your risk. (Out of USA: Postal MO or PayPal Only; *NO checks*.)

Note: all checks and money orders should be made out to:

***National Radio Club.***

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