



DX MONITOR

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Enjoy the 4th!!! No new folks this time. See you at the convention next week! Deadline for our next issue is **Monday 6/29 @ 6 PM PLT.**

Latest Convention Info

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We're now less than one week away from our big joint gathering hosted by **IRCA, NRC, WTFDA** and **DecalcoMania**, July 10-12 in fabulous Fort Wayne, Indiana – and registration is now open.

- Your \$55 registration fee includes
- Tours of area radio and TV facilities
- Educational sessions with top DXers
- Snacks and beverages (liquid, not wire!) in our meeting room
- Saturday night banquet catered by Hall's, one of Fort Wayne's top restaurateurs
- Convention program

PLUS...

On Friday night, July 10, we've arranged a special group rate to see the Fort Wayne Tincaps, the class A affiliate of the San Diego Padres, take on the Great Lakes Loons at Fort Wayne's new downtown ballpark, Parkview Field! Your \$30 ticket includes a buffet dinner – there's no better bargain in baseball.

HOTEL:

Our hotel will be Don Hall's Guesthouse, 1313 W. Washington Center Road, Fort Wayne IN 46825 and our specially negotiated rate is \$85 per room per night. That includes comfortable lodgings and a very tasty breakfast buffet each morning. The hotel is conveniently located right off I-69, the main drag through Fort Wayne.

A handful of rooms may still be available. Reservations for the hotel by calling 260-489-2524 or 1-800-348-1999. The Group Number is **7110**. PLEASE BE SURE TO GIVE THE GROUP NUMBER TO MAKE SURE WE ARE PROPERLY CREDITED FOR ALL THE ROOMS THE CLUBS ARE USING!

Once you've made your reservation, please drop me a line at scott@fybush.com so I can keep track of who's staying with us.

EVENTS:

Our convention will get under way on Friday, July 10, with afternoon station tours and educational sessions. We'll leave the hotel at 6 to go downtown for the baseball game, if you're going. (If not, the meeting room and hotel restaurant will be open, and there are numerous other restaurants close to the hotel as well.)

On Saturday, July 11, we'll have additional station tours and educational sessions during the day, followed by our banquet, auction and club business meetings in the evening. The meeting room will be open afterward for informal DX bull sessions!

On Sunday, July 12, we'll have our famous DX Quiz in the morning, before heading our separate ways. (There may be another tour or two as well, if anyone's interested.)

If you are planning to come to the convention with your family (or are trying to figure out your summer vacation plans), summer is the peak time to visit the Fort Wayne area. The annual Three Rivers Festival kicks off July 11 with a parade and continues for nine days with a variety of activities.

Fort Wayne also has a nationally renowned Children's Zoo, a historical society, an art museum and a botanical garden. If you are interested in any nonradio activities for yourself or your companions, please get in touch with Lisa at 585-442-5411 or lisa@fybush.com and tell her what sounds fun. If there's something else that sounds fun, tell her that, too. This is not a comprehensive list. Lisa will coordinate any extraconventional activities.

AUCTION:

Please send donations for the auction to **Blaine Thompson**, 6523 Emmons Drive, Fort Wayne IN 46835 – or bring them to the convention with you!

TRANSPORTATION:

In addition to easy road access from much of the country, Fort Wayne is accessible by most major airlines and Greyhound bus. Amtrak serves Waterloo, Indiana, about half an hour away from the convention hotel. Please let us know as soon as possible if you'll need to be picked up at the airport, bus station or train stop. The hotel is just off I-69 and has plenty of free parking.

ANY QUESTIONS?

Registration, convention schedule, hotel or transportation: Drop me a line at scott@fybush.com.

Ballgame or family activities: Drop Lisa a line at lisa@fybush.com.

Educational program: If you'd like to speak or have an idea for a talk, contact Mark Durenberger at mark4@durenberger.com.

See you in WOWO-land!!

Madison-Milwaukee Get-Together

The 22nd annual Madison-Milwaukee Get-Together returns to the Milwaukee area this year, on Saturday, August 15. This is an all-band event, open to anyone with an interest in the radio hobby. Your hosts are Tim and Jill Noonan and their sons Chris and Paul, and you can obtain more information by writing to Tim at DXing2@aol.com or phoning 414 813-7373.



IRCA PRESIDENT – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334
E-mail: phil_tekno@yahoo.com

We are still looking for a volunteer to take over the duties of **DX Monitor** Editor-in-Chief.

We discontinued the printed bulletin some time ago due to a lack of volunteer for Publisher. However, if someone is now willing to step forward as Publisher, I see no reason why we cannot resume putting out a printed bulletin as well as our email version. Duties would involve getting the .pdf to a local printer (copy shop more likely), addressing envelopes (or printing addresses on the bulletins), stamping and mailing the completed product.

If you are interested in either position, please contact me at the above address. Thank you... pb



BROADCASTING INFORMATION – Robert J Wien – 14051 Belle Chasse Blvd #415 – Laurel MD 20707
E-mail: wienbob@aol.com Phone: 301-477-3733 Column Deadlines: Saturdays

DATE OF COLUMN: June 20 2015, **Column data span:** June 6-20 2015, Data courtesy of **Stationintel.com**, FCC database and member contributions

CALL CHANGES

FREQ	OLD CALL	CITY OF LICENSE	NEW CALL
790	KEJY	Eureka, CA	KWSW
1580	KHIG	Colorado Springs, CO	KFCS

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ	CALL	CITY OF LICENSE	NEW INFORMATION
590	WDIZ	Panama City, FL	was sports, now adult hits, old slogan: "Fox Sports 590", new: "96.3 Real Fun Beach Radio"
590	WWLX	Lawrenceburg, TN	old slogan: "Classic Hits WLX", new: "105.3 The X"
640	WMEN	Royal Palm Beach, FL	was Westwood One NBC Sports Network, now Fox Sports Radio
780	WIIN	Ridgeland, MS	was silent, back on with new unknown format
960	KNEB	Scottsbluff, NE	old slogan: "960 AM-Rural Radio", new: "960 AM-Trusted Voice"
980	KWSW	Eureka, CA	now silent
1090	WHGG	Kingsport, TN	old slogan: "Christian Talk 1090", new: "Love FM"
1100	WGPA	Bethlehem, PA	deletes unknown secondary format
1110	XEWR	Ciudad Juarez, CH	old slogan: "Radio Guadalupana", new: "Cristo Rey Radio"
1280	KRZE	Farmington, NM	old slogan: "La Ranchera", new: "Fierro 1280"
1280	KLDY	Lacey, WA	was silent, back on with new unknown format
1290	KCUB	Tucson, AZ	old slogan: "1290 The Source", new: "Sports Radio 1290 AM"
1320	WENN	Birmingham, AL	was black gospel, now new unknown format
1360	KELE	Mountain Grove, MO	now silent
1380	KVSM	Santa Maria, CA	old slogan: "Fresca 1380", new: "Maria 1380"
1400	WJZM	Clarksville, TN	was sports, now talk
1450	KSNY	Snyder, TX	was country, now CBS Sports, old slogan: "Twister 101.5", new: "The Zone"
1480	WGFY	Charlotte, NC	was silent, now Alive Radio Network religious teaching
1550	KMAD	Madill, OK	was silent, now classic country
1570	WNDA	New Albany, IN	was news/talk, now Spanish, old slogan: "Newstalk 1570 AM", new: "La Poderosa"
1580	WTCL	Chattahoochee, FL	was silent, back on with unknown format
1600	WARU	Peru, IN	was adult hits, now adult contemporary, old slogan: "MiTunes 101.9", new: "Sparkle 101.9"
1600	WLR5	Eminence, KY	was news/talk, now Spanish, old slogan: "Newstalk 1570 AM", new: "La Poderosa"

MEMBER CONTRIBUTIONS

Jon Pearkins sends along the following dated June 17 2015:

Re: Larry Godwin's unid 1580 in recent DXM bulletin: I did not realize when I wrote, but later reading of one of the links from the footnotes (<http://radioinsight.com/blog/headlines/92973/khigs-pot-talk-moves-online-after-one-month/>) indicates that the Owner died during that Month of broadcasting and his Will forced the Sale of the station to folks who weren't so sure that All Marijuana, All the Time was such a good idea.

(from **Wikipedia.org**):

KFCS (1580 AM) is a soft adult contemporary radio station in Colorado Springs, Colorado. The station (as KREL) was an ESPN Radio affiliate as of January 2013 and was a Fox Sports Radio affiliate from October 2014 to April 2015. KFCS is licensed to Colorado Springs, Colorado. The station is owned by Pilgrim Communications, Inc., although it hasn't simulcasted Pilgrim's Radio Colorado Network since 2012. KFCS is operated by the Radio Colorado Network (RCN). K-High 1580: On April 15 2015, the then-KHIG changed their format from sports to marijuana talk, branded as "K-High 1580". KFEZ simulcast: On May 15 2015 (after one month), KHIG switched from "pot talk" (which moved to online-only) to a simulcast of soft AC-formatted KFEZ 101.3 FM Walsenburg CO ("Easy 101.3").

Wow, tomorrow is the longest day of the year! From then on, DX improves, heh. And when it improves, I expect you to send your local broadcasting tips to the column here! Summer now is in full swing. Next weekend is Field Day for you ham radio operators, be sure to support that too! 73's. **Bob Wien**



WESTERN DX ROUNDUP – Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923
E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: July 3, Aug. 14, Aug. 28, Sept. 11, Sept. 25, Oct. 2, Oct. 9, Oct. 16, Oct. 23, Oct. 30 and Nov. 6. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-Box 1804-El Mirage AZ 85335 **desertmoon_dxshack@inbox.com**
Panasonic RF-2200, Grundig Satellit 750
- (JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 **John_Johnson@prodigy.net**
Icom IC-R75, 75' N-S longwire, 70' E-W longwire

- *****
- 1000 KFLG **AZ**, Bullhead City 6/15 alone on 1000. 0800 out of 70's music with "America's best music 24 hours a day, on 99.3 K-Star FM, KFLG AM." Numerous "K-Star slogans. (JCJ-AZ)
 - 1020 KCKN **NM**, Roswell 6/22 over KTNQ. 0200 out of Spanish programming with multi-city ID (WWRV, WRVP, WWCL, WVZN, etc) including "KCKN 1020 AM Roswell, New Mexico." (JCJ-AZ)
 - 1200 KYAA **CA**, Soquel 6/16 way over WOAI 0200 out of Immaculate Heart Radio programming with "KYAA Soquel, Monterrey" ID. (JCJ-AZ)
 - 1210 KPRZ **CA**, San Marcos/Poway 6/23 0830 male "...on K-Praise, AM 12-10 KPRZ" heard on GMC Sonoma dashboard. (RB-AZ)
 - 1260 KTRC **NM**, Santa Fe 6/24 -150 Bill Press Show, good signal and dominant on Grundig Satellit 750. (RB-AZ)
 - 1330 KWKW **CA**, Los Angeles 6/18 all alone 0157 with ESPN Deportes programming, Los Angeles spots in Spanish. "ESPN Deportes on KWKW Los Angeles" ID. (JCJ-AZ)
 - 1430 KLO **UT**, Ogden 6/24 2300 local ad spot, "Shamrock Plumbing," talk show, to lengthy promo at 2318 with ID repeated several times "This is K-L-O." Very good using Panasonic RF-2200. (RB-AZ)
 - 1480 KRAE **WY**, Cheyenne 6/23 weak, but alone 0145 with oldies music, numerous "Kay-Rey" slogans and "Great oldies on Kay-Rey." (JCJ-AZ)
 - 1480 KCHL **TX**, San Antonio 6/23 fade up in jumble 0800 with "This is KCHL 1480 in San Antonio, Texas." (JCJ-AZ)

The next WDXR deadline is Friday July 3! – Nancy 6/26 2100





CENTRAL DX ROUNDUP – John C Johnson – 2922 S Olivewood – Mesa AZ 85212-2923
E-mail: John_Johnson@prodigy.net **CDXR reports ONLY: cdxr@ircaonline.org**

RIDING GAIN

[JP-AB] **Jon Pearkins**, Edmonton AB jon@pearkins.com
 CCRadio-EP

DOWN THE DIAL

700 CJLI **AB**, Calgary. Since 6/10 station has been on the air testing 24/7 with light instrumentals, frequent IDs and announcements about reporting interference to CJCA-930 giving their phone number in Edmonton. CJLI web site lists 6/29 as official launch date and regular programming including Christian Adult Contemporary vocals. There is already live streaming at their am700thelight.com web site. Noticed the streaming is in stereo, 700 being mono. [JP-AB]

OPEN MIKE

Thanks to Jon we have a column. This column was typed 6-26-15. 73, John

EASTERN DX ROUNDUP – Eric Bueneman (NØUIH) – 631 Coachway Lane – Hazelwood MO 63042-1347
E-mail: n0uiheric@gmail.com **DEADLINES: Thursday 2000 ELT**

TUNING THE DIALS THIS ISSUE:

(KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
 Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop
 (JJR-MI) **John J Rieger**, L'Anse MI
 Grundig Satellit 750, stock antenna, Terk AM1000 loop

ACROSS THE DIAL

- 630 WREY **MN**, Saint Paul – 6/5 0614 noted with "Radio Rey" ID in Spanish in a music sweep. A poor signal was noted; briefly faded up, then gone. (JJR-MI)
- 670 WWFE **FL**, Miami – 6/12 0501 noted with "This is WWFE 670 AM Miami" legal ID in English by a male announcer. The signal was noted mixing with WRJR, WIEZ, WSCR and an unidentified station with Christian teaching. (KK-VA)
- 670 WIEZ **PA**, Lewistown – 6/12 0559 noted with "WIEZ Lewistown/Huntingdon/State College, AM 670" legal ID by a male announcer into ABC News. The signal was noted mixing with WRJR, WWFE, WSCR and an unidentified station with Christian teaching. (KK-VA)
- 670 WRJR **VA**, Claremont – 6/12 0604 noted with "This is WRJR Claremont, Virginia" legal ID in heavily accented English by a male announcer. This is a new station in the logbook. The signal was noted mixing with WWFE, WIEZ, WSCR and an unidentified station with Christian teaching. (KK-VA) (Kraig, your Christian preacher could be KLTT Commerce City CO, which might have left its 50 kW day power on at night; it's the only English language Christian station on 670 listed in the NRC Log – eb)
- 730 WZGV **NC**, Cramerton – 6/19 0500 noted with "This is Charlotte's Sports Information Source... WZGV... ESPN 730... Charlotte" ID by a male announcer. The signal was noted mixing with WTNT and unidentified stations carrying talk and vocal music. (KK-VA) (Your unidentified talker could be WMNA Gretna VA if they're talking sports; your music station could be WLIL Lenoir City TN, which really gets out – eb)
- 740 WCXZ **TN**, Harrogate – 6/19 0515 noted with "You're listening to Continuous Country Favorites on 74 WCXZ" ID by a male announcer. The signal was noted mixing with CFZM, WPAQ, WRNR and unidentified stations with Christian teaching, Sports Talk and Spanish. (KK-VA) (Your unidentified Christian station could be WVCH Chester PA, your unidentified Sports talker could be WYGM Orlando FL, while your unidentified Spanish could be WNYH Huntington NY – eb)
- 1160 KFEX **IA**, Waukon – 6/5 0700 noted with legal ID, "K-Fox Sports 1160" ID. A poor signal was noted; no sign of WYLL this morning. (JJR-MI)
- 1230 WFER **MI**, Iron Mountain – 6/4 0715 noted with a mention of "in downtown Iron River". A poor signal was noted; in and out before it was lost. If this is heard three times a year, it's a lot! (JJR-MI)
- 1260 WCCR **OH**, Cleveland – 6/4 2136 noted with the Holy Rosary //Web stream. A poor signal was noted in the fade-up. (JJR-MI)
- 1260 WEKZ **WI**, Monroe – 6/4 2131 noted with "Classic Country 1260 WEKZ" sweep ID by a female announcer. A poor signal was noted; cut through the interference and gone! (JJR-MI)
- 1490 WIGM **WI**, Medford – 6/4 0645 noted with an ad for Mall Furniture in Marshfield; mention of one store closing into an ESPN promo. A poor signal was noted; lost in the mess. (JJR-MI)
- 1550 WEVR **WI**, River Falls – 6/4 0750 noted with ad for TMS Tire in Baldwin before fading. A poor signal was noted; briefly over WHIT. (JJR-MI)
- 1600 KPNN **MN**, Watertown – 6/4 0757 noted with Buddhist chanting in Hmong; faded five minutes later. No ID heard, if given. A poor signal was noted over a weak KGYM. (JJR-MI)

EDITOR'S NOTES

Thanks to Kraig and John for their contributions this time around! I'm also noticing a handful of stations east of the Rockies broadcasting in Korean; Atlanta (WPBS 1040) and the Dallas/Fort Worth Metroplex (KKDA 730) have stations that broadcast their entire schedules in Korean for a sizable Korean community. Minneapolis/St Paul has seen growth in the Hmong-speaking population, thus KPNN programming in Hmong. St Louis has seen growth in the Bosnian-speaking population; thus WEW 770 devotes most of its program schedule to reach this audience. Keep cool this summer! 73 and good DX from NØUIH

DX WORLDWIDE – WEST – Patrick Martin – PO Box 843 – Seaside OR 97138
E-mail: mwdxr@webtv.net **all times UTC**

Next deadline in 2 weeks. All times UTC/GMT.

PAN-AMERICAN DX ROUNDUP

- 600 **MÉXICO**, XEMN, Monterrey, NL. 6/24 mixing or on top KROD. 05:29 out of music with "XEMN" call letters, 0539 noted mention of Facebook during announcement. Another "XEMN" ID at 0604 out of National Anthem. (JcJ-AZ)
- 1700 **MÉXICO**, XEPE, Tijuana, BCN. 6/20, 0630. Man and sports yakking. Fair/Good, light flutter, and WELL after local daybreak. (RB-AZ)

Oregon Cliff (Rockwork 4) Ultralight (dialog version)
 By Gary DeBock

6/25. Hello All,

Warm and clear weather along with auroral conditions prompted a sudden decision to make an overnight departure from the DXing wasteland of Puyallup – resulting in an early start to my own portion of the Rockwork 4 DXpedition. Although Kiwi propagation was slightly off from the freakish levels that Chuck and I enjoyed last July, the weather and auroral conditions cooperated fairly well to provide an interesting session, with several S9 signals pounding in from the South Pacific.

The greatest collection of ferrite this side of the Ukraine rolled down I-5 at the bizarre hour of 0100 local time, as five mega-FSL's (17", 15", two 12" MW and one 12" LW) were crammed into the Toyota Corolla during the solo trip. After arriving at the plunging ocean cliff at 0320 local time the 17" and 15" FSL's were set up on their PVC stands and began chasing the South Pacific signals. Murphy's Law did manage to get in a final shot during the rushed departure as the power supply for the DSP599ZX was mistakenly left behind in Puyallup, making it impossible for me to filter out the annoying 1 kHz and 2 kHz heterodynes on MP3's that I post immediately (beware of this when listening to MP3's of 531 and 738!). Maybe someone could volunteer to filter these out for me, so that I can post them without being responsible for hearing loss??

Anyway the propagation was decent, and both Australia and New Zealand were well represented. Some of the best signals were on 531 and 738, though, and I don't really feel like posting the recordings until someone can filter out the heterodynes and send them back to me. Chuck Hutton plans to join me tomorrow morning, and Tom Rothlisberger will join the "Cliffhanger DX" crew on Saturday morning. Wild and wacky DX is back!!

- 531 **NEW ZEALAND**, PI, Auckland. Fighting it out with an UnID Australian (2PM?) at near S9 level for much of the session; unlike last July, the Aussie was kicking butt.
- 558 **UnID**. Brief peak of Polynesian music around 1243 (presumed Fiji), but signal was paranoid of MP3 recorder.
- 567 **NEW ZEALAND**, RNZ, Wellington. S9+ interview at 1236; best Kiwi signal of the session
<https://app.box.com/s/tndc6maw6m1q2ux2oupurj2wthr94ad> 5+1 pips and RNZ identification at good level at 1300
<https://app.box.com/s/xdusti02vnr10ja14rbu9co12sy4mrc>.
- 576 **AUSTRALIA**, 2RN, Sydney. Male interview at good level at 1236 <https://app.box.com/s/i0p6cfz50wc8btbk7hvb4w70syjhjkvp>.
- 585 **UnID-Australian**. The mystery of the morning. A rather weak signal not //603, so not the underperforming Kiwi. Either 2WEB or 7RN.
<https://app.box.com/s/7gd1h48wuao2l4oty5teqr57ywowo55n>.
- 594 **NEW ZEALAND**, Rhema, Timaru/Wanganui. Christian sermon at fairly good level at 1224 <https://app.box.com/s/wxrs4z3lljz47bxn7ur58q56l8pdcdp6>.
- 603 **NEW ZEALAND**, Radio Waatea, Auckland. Maori female music at good level at 1222 <https://app.box.com/s/z2o7pn7bvdaq292405hlsoxi27om7bvxg>.
- 675 **NEW ZEALAND**, RNZ, Christchurch. Good level interview at 1256, but overall slightly weaker than its 567 // <https://app.box.com/s/opbfwtnebdxsf2vs6kl31swxbgk40a>.
- 738 **TAHITI**, Radio Polynesie, Mahina. African music at blistering strength at 1229 (but with blistering strong heterodyne as well – beware)
<https://app.box.com/s/cai80xqgmwyhnmkl46i9v2s7lvtu05>.

6/26. Although both Chuck and I showed up at the Rockwork 4 cliff this early morning an UnID motorist had the audacity to park his van right at Chuck's preferred antenna setup site – causing both of us to scramble, and nail down new DXing positions. Chuck set up at "my" spot, while I set up three mega-FSL's staring the UnID motorist down at close range. As such, he didn't seem very motivated to get out of his van to find out what we were up to.

S9 signals from New Zealand returned with a vengeance to the "Kiwi Cliff" this morning as they shoved the Australian signals way down in the noise. Despite this the high-priority new Kiwi targets on 702 and 891 seem to have run out of Magic, and the really obscure NZ signals on 558, 576, 585 and 936 still are playing hard to get. Chuck didn't seem very impressed with the propagation, although several Kiwi regulars did manage a potent propagation kick around 1230 UTC. By 1300 even the Kiwis were tanking it, though, which seems pretty typical for this late June period. The big stars of the morning were the Maori parallels on 603 and 765 – both of which managed several S9 peaks with their distinctive Polynesian music 684-Rhema also put on a great show, and 1008-Newstalk ZB had about the strongest signal it's ever managed for me at this location. 531-PI reclaimed its usual dominant position over its Aussie co-channels, but not without several nasty snarls. Overall I thought it was a pretty decent morning, although Chuck seemed to be looking for at least a few NZ exotics. Maybe tomorrow, when Tom R. is due to join us?

Everybody is in agreement that propagation favored the Kiwis this morning, Nick, although by the freakish standard of last July it still left something to be desired. Chuck locked out with two of the best NZ days ever at this cliff last July, so he probably had some disappointment that the NZ exotics were now missing in action. 1035-NZB was also in at a decent level here, but its parallel on 1008 had superior signals late on around 1245. The "apples and oranges" difference between single-optimized-frequency FSL's and broadband antenna spectrum capture always results in interesting DU-DXing comparisons, Nick, and with several potent Kiwi signals on the low band I was unable to check out the higher frequencies that you mentioned. Chuck was no doubt recording them, but with an UnID "trespasser" parked right in his favorite antenna spot at Rockwork 4 he was forced to set up his miniature flag in a less-than-optimum spot. We had enough DXer manpower at the Cliff to politely "encourage" the gentleman to relocate, but thought better of it.

- 531 **NEW ZEALAND**, PI, Auckland. Samoan music at strong level at 1235; dominant for most of session over Aussies
<https://app.box.com/s/jof4t9mkeme78aauz86ghdcpetw6sjh>.
- 531 **PI-Mix, UnID-Australian** (music) fighting it out with PI (male Samoan speech) at vibrant level around 1228
<https://app.box.com/s/h59m4x5c1v1wqwm4jwsod6jn87cgbivz>.
- 567 **NEW ZEALAND**, RNZ, Wellington. Female interview at usual S9+ level around 1236 <https://app.box.com/s/ylr5cm8gc110vo1e22nvdhgceja6b67v>.
- 603 **NEW ZEALAND**, Radio Waatea, Auckland. Male Maori music //765 at S9 level at 1226 <https://app.box.com/s/ga6x6urw6h6vcesck2zqdy950vaftr5ck>.
- 684 **NEW ZEALAND**, Rhema, Gisborne. Christian music //594 at strong level at 1242 <https://app.box.com/s/tnx179si61helgpxgsf6egwz8rg1gi7y>.
- 765 **NEW ZEALAND**, Radio Kahungunu, Napier-Hastings. Female Maori music //603 at near S9 level around 1212 – the strongest 2.5 kW station ever
<https://app.box.com/s/fmh10xpnqm1tmrijvdp5ppvj21164oiv>.
- 1008 **NEW ZEALAND**, Newstalk ZB, Tauranga. Call-in talk program at potent level around 1233 <https://app.box.com/s/m5e6lvfvtrjdpdhp39gaojxr2iodxn>.

6/27. Tom R. certainly brought the luck with him this morning as Kiwi propagation hit a legendary level around 1240 – resulting in obscure Kiwis coming out all over the band. Stations like 936-Chinese Voice (1 kW) sounded healthy indeed, while the new 576-Star (2.5 kW) made its first appearance. The new 702-Magic also managed a good signal around 1217 as the semi-local on 700 mysteriously left the air for five minutes. The freakish NZ propagation was every bit as good as what Chuck and I experienced last July, and both Tom and Chuck were recording it all. Who knows how many Kiwi stations they will come up with after reviewing all the .wav files – maybe another NZ record?

The session was the first to feature three DXers setting up at Rockwork 4 with serious antennas, and one of the UnID sleeping motorists at the site apparently didn't care for the commotion, driving in a huff. The propagation sounded pretty ordinary around 1200, with the moderate-level Kiwis owning all the frequencies except for 531 (a pesky Oz station, maybe 4KZ again?). Chuck didn't seem very impressed with the signal levels, and after setting up his antennas and Perseus he caught some sleep before the drive back home. Tom and I kept checking the Kiwi signal levels until around 1230, when it seemed like a major breakthrough occurred – causing almost every NZ station to come up dramatically in strength. 936-Chinese Voice is one of few 1 kW Kiwi MW stations, and when it reaches a decent signal level at Rockwork 4 the NZ "floodgates" are really open. Tom was probably enjoying the best Kiwi propagation of his DXing career, while I was checking obscure NZ stations all over the band. Unlike the spectrum recorders I could only track them down one at a time, but it was still a wild and thrilling ride. I'm very happy that Tom was able to enjoy such freakishly good Kiwi propagation on his first visit to Rockwork 4 – it isn't always this good, Tom!

- 558p **NEW ZEALAND**, Radio Sport, Invercargill. One of the ultra-rare Kiwis that only shows up during exceptional, all-NZ propagation. Male female interview at fair level at 1235; matches format heard before (at Cape Perpetua) <https://app.box.com/s/w17y461ql3hr4nlha5mosvjbaa8k5vsb>.
- 684 **NEW ZEALAND**, Rhema, Gisborne. Christian music at good level // 594 late at 1256 <https://app.box.com/s/j2ff4610o2hg0k73far3u99tre4ggjxu>.
- 702 **NEW ZEALAND**, Magic, Auckland. Oldies music format at potent level at 1219 during mystery collapse of 700 domestic station
<https://app.box.com/s/5ou0x0ltvy9sh0zbnp2vvgtsbgu12y07>.
- 765 **NEW ZEALAND**, Radio Kahungunu, Napier-Hastings. One of its best signals ever with "Waatea" Maori net ID at 1208
<https://app.box.com/s/hrfmbukomtc004zewjfgjvui02we10>.
- 936 **NEW ZEALAND**, Chinese Voice, Auckland (1 kW). The big star of the session, with healthy Chinese signals at 1244 (despite the low power)
<https://app.box.com/s/qkp31ocifpxvwtam2e8wqgju89uljv>.

6/28. Well, there's never a dull moment at the "Kiwi Cliff." Another day of "fantastic" conditions (according to Tom) combined with stiff wind, some rain, and a huge RV parked right in the middle of the Rockwork 4 turnoff. None of the distractions mattered, though, as Tom and I enjoyed one of the most thrilling sessions possible. Wild S9 fights between Aussies and Kiwis on 567, 774 and 828 made it a morning to remember, while potent Kiwis once again were all over the band. Both Tom and I had DU's on practically every frequency we tried for, and Tom mentioned it was one of the wackiest sessions he could ever remember.

In the predawn darkness at 1115 both Tom and I were staring at the huge RV, wondering where we should set up our antennas. We decided to share opposite ends of Rockwork 4, and in the stiff wind plastic tie wraps were needed to anchor the FSL antennas' PVC bases to large rocks at Rockwork. The session started off at 1200 with the Kiwis dominating as usual, but around 1230 the Aussie big buns started pounding in. Both sides got stronger and stronger until some classic DU snarls started, and the wacky weather added to the bizarre situation. Tom and I really couldn't communicate around the huge RV, but as the session was wrapping up he came over to "my" side of the turnoff with the biggest smile I've ever seen him display – thoroughly convinced that this ocean cliff was the most exciting DXing venue on the planet. Of course, with another "fantastic" session providing multiple S9 DU recordings, who was I to disagree? Because of the exceptional conditions Tom decided to stay an extra day – and we plan to hit it hard together on our last day at the Cliff tomorrow.

- 567 **AUSTRALIA/NEW ZEALAND**. RNZ (dominant) and 4JK (needing help). Potent mix of New Zealand and Australia at 1242; strongest mix of these two ever observed <https://app.box.com/s/wqfvhvoie65t2kp1tb9ro09y12xbttr>.
- 765 **NEW ZEALAND**, Radio Kahungunu, Napier-Hastings. Another S9 Maori music signal from this 2.5 kW overachiever at 1205
<https://app.box.com/s/fqio3aim333olwznp66hmp0fger0wj6u>.
- 774 **AUSTRALIA/NEW ZEALAND**, Radio Sport (dominant at times) and 3LO (almost equal strength). The Kiwi station had the occasional edge at 1215, but couldn't quite deliver the knockout blow in this S9 mix <https://app.box.com/s/va4ryxkjg2uwx9fenzxxjolyf5ttvvb>.
- 783 **NEW ZEALAND**, Access Radio, Wellington. Strong Hindi (?) speech and Indian-sounding music at 1217
<https://app.box.com/s/6d04xu2w8w9yghiny6uqurb419f1yowj>.
- 1035 **NEW ZEALAND**, Newstalk ZB, Wellington. Very strong signal during interview program at 1227
<https://app.box.com/s/4kjp8md1sclazj5d3iwkyn4tunwvpjk25>.

1503 **NEW ZEALAND**, Radio Sport, Wellington/Christchurch. Strong American-accented English sports talk at 1252
<https://app.box.com/s/ewmko9im8efkp0gmvnwyn9knbs4cbuc>.

6/29. One of the wackiest mornings of the entire trip wrapped up the Rockwork 4 ocean cliff DXpedition this morning, as the "Kiwi Cliff" put on a very convincing demonstration of which country it favors (favours). All the Australian stations fell into a propagation black hole, and not a single one managed even a trace from 531-1701 kHz.

The Kiwis were very potent though, resulting in a rare chance to go after the really obscure NZ targets on 576 (2.5 kW, the new Star relay, ex-The Word) and 585 (2 kW, Radio Ngati Porou, a Maori-language Kiwi that is so weak that it has only been heard with monster FSL's at this cliff).

Both of these ghostly targets played very hard to get until around 1220, when they barely started coming out of the noise on their Aussie-free frequencies. 558 has legendary weakness, and only shows up during exceptional propagation-- and can only be identified by matching its ghostly signal with a Maori-net parallel like 603 or 765. For only the third time ever, some ghostly Maori male speech on 585 was matched with the same speech on 603-Waatea, resulting a very rare Radio Ngati Porou logging at 1226 this morning. 576-Star is a new 2.5 kW station, but it uses the same Hamilton transmitter as the one that 576-The Word used last July (which both Chuck and I heard during exceptional propagation). Without a trace of the Aussie big gun 576-2RN the ghostly Star relay started coming out of the noise on the completely clear frequency at 1235, strong enough to match a Christian male song with the same song on 657-Star. The signal was far from potent, but what can you expect for a 2.5 kW signal that is almost always buried under 2RN? This new 576-Star station isn't exactly the strongest signal around, but when Australia takes a dive it can make the trip. Maybe we can call it a "dwarf Star?"

Besides these rare targets the new 702-Magic made another good appearance, and 1035-Newstalk ZB was S9 as usual with some pop music just before 1300 (yes, Newstalk-ZB does play music now). 603-Waatea and 765-Kahungunu pounded in at times, while the Rhema network on 594 and 684 sounded potent without any Aussie competition. On this last day of this DXpedition the Rockwork 4 turnoff was completely deserted except for my gear, with no RV's, sleeping motorists or turf-claiming visitors. After the extravaganza on Saturday (three fanatical DXers with separate antennas, along with two sleeping "squatters") it took a while to get used to all the space.

576 **NEW ZEALAND**, Star, Hamilton. The Christian hymn broadcaster's new 2.5 kW outlet with ghostly male vocal music //657 at 1235
<https://app.box.com/s/yp1nf8iut2b1fztlgibda0yx0cmi1wrf1>. The Star network's 657 parallel during the same song

585 **NEW ZEALAND**, Radio Ngati Porou, Ruatoria. 2 kW Maori language underachiever barely strong enough to match with 603 // at 1226 (first 10 seconds on 585, last 12 seconds on 603) <https://app.box.com/s/2f2inzsnuaayn14umrp7t0m8iv12w92cj>.

603 **NEW ZEALAND**, Radio Waatea, Auckland. Strong Maori music at 1203 just as Kiwi propagation was starting to hit its stride
<https://app.box.com/s/8zyg6p1carqh97enzw1v9id3eovr4rf6>.

657 **NEW ZEALAND**, Star, Wellington/Tauranga. Strong signal with Christian hymns at 1248 but usually has domestic splatter issues
<https://app.box.com/s/6tt2fljdpum1me4q93sulr6yn083c03l>.

1035 **NEW ZEALAND**, Newstalk ZB, Wellington. S9 male vocal music plus Newstalk ZB identification at 1256
<https://app.box.com/s/skbre5ph32329k0o82495dnard5ld3ik>.

Gary DeBock (DXing at the Rockwork 4 ocean cliff, near Manzanita OR) 7.5" loopstick C.Crane Skywave Ultralights + 17" and 15" DXpedition FSL antennas

THANKS TO THESE REPORTERS

GDB-WA **GARY DeBOCK**, Puyallup WA

JcJ-AZ **JOHN C JOHNSON**, Mesa AZ
Icom IC-R75, 75' N-S and 70' E-W longwires

RB-AZ **RICK BARTON**, Box 1804, El Mirage AZ 85335
Radio Shack SW-2000629

DX WORLDWIDE – EAST – Brandon Jordan – PO Box 338 – Rossville TN 38066
E-mail: bdjorda@gmail.com all times UTC

Deadline – Sunday Midnight Central Time.

*** PAN-AMERICAN DX ***

540 **MÉXICO** XETZ, Nuevo Casas Grandes, Chih. 6/20 0530 – music and soon ID as "La Ranchera de Paquimé", canned ID between all tunes. [Hauser-OK]

660 **MÉXICO** XEACB, La Lupe, Ciudad Delicias, Chih. 6/26 0603 – Chihuahua state anthem is playing, ie XEACB, 3/1 kW per Cantú. [Hauser-OK]

710 **MÉXICO** XEDP, Ciudad Cuauhtémoc, Chih. 6/23 0607 – "Soy Soldado", super-patriotic, militaristic recitation in progress and clearly audible, to fortify the equally s-p-m national anthem. From: not off-frequency tonight, and dominating channel with its alleged 100-watt night power (7 kW day). A few nights ago this was running before 0600, so sign-off time must vary widely (or is it just amid a 24-hour run?) [Hauser-OK]

1300 **MÉXICO** XEP, Ciudad Juárez, Chih. 6/27 0156 – romantic music by Spanish soprano, seems SW, so I hope this early it's something other than XEP, like some USSS station; 0158 CCI grows, but 0159 "Radio Trece, presentó Radio México Noticias, tercera edición, Radio México, XEP, 1,300, desde Grupo Radio México, en Avenida [street address]", in Ciudad Juárez, Chih to the WSW. And then at 0200:00 sharp, drastic power cut but I can still barely hear it. Listed as 38 kW day, 200 watts night. They must have mis-automated (antique: played the wrong cart) as if this were the end of a newscast rather than romantic music. [Hauser-OK]

CONTRIBUTOR

[Hauser-OK] **Glenn Hauser**, Enid OK
Mostly DX-398 with internal antenna or Sony SRF-59
73, Brandon

TROPICAL BAND DX (1710-5100 kHz) – Brandon Jordan – PO Box 338 – Rossville TN 38066
E-mail: bdjorda@gmail.com all times UTC

Deadline – Sunday Midnight Central Time

2485 **AUSTRALIA** ABC Northern Territory, Katherine. 6/16 1110 – Man and Woman in current events type show. Fair but under a lot of T-Storm type static. [Barton-AZ]

2850 **NORTH KOREA** KCBS, Pyongyang. 6/23 1115 – Impassioned man in Korean to patriotic choral music. Good. [Barton-AZ]

3320 **SOUTH AFRICA** Sonder Grense, Meyerton. 6/22 0445 – Man and Woman in dialogue in (listed) Afrikaans until sudden close at 0458. Very good. [Barton-AZ]

3925 **JAPAN** Radio Nikkei 1, Chiba-Nagara. 6/23 1030 – Program with very traditional Japanese music. Very Good signal. [Barton-AZ]

3945 **JAPAN** Radio Nikkei 2, Chiba-Nagara. 6/26 1130 – Pop vocal music, Whitney Houston, etc. Very good. [Barton-AZ]

4055 **GUATEMALA** Radio Verdad, Chiquimula. 6/23 1015 – A religious lecture by man in English today; Hard to follow dialogue due to poor conditions. [Barton-AZ]

+6/24 1030 – Piano and choir. Poor yesterday at this hour; very good today. [Barton-AZ]

CONTRIBUTOR

[Barton-AZ] **Rick Barton**, El Mirage AZ
Drake R8 and Grundig Satellit 750, Outdoor Slinky, random wire
73, Brandon





Welcome to another edition of SportChannels! Baseball season is well under way, and we're presenting the network lists from the Eastern and Central divisions of both leagues. The American League East is where storied franchises like the New York Yankees and Boston Red Sox play. The American League Central is home to the defending American League champion Kansas City Royals. The National League Central is home to four storied franchises, the Chicago Cubs, Cincinnati Reds, Pittsburgh Pirates and Saint Louis Cardinals. Flagship stations are in **boldface** type, Spanish language flagships in **boldface italics**, and Spanish language affiliates in *italics*.

AMERICAN LEAGUE – EASTERN DIVISION

BALTIMORE ORIOLES Joe Angel, Fred Manfra, Web: orioles.com

AM	980 WTEM Washington, DC	1470 WTTR Westminster, MD	94.1 WVSP Yorktown, VA
540 WGOP Pocomoke City, MD	1000 WIOO Carlisle, PA*	1480 WEEQ Shippensburg, PA	94.3 WWXX Warrenton, VA
560 WFRB Frostburg, MD	1250 WGHB Farmville, NC	1490 WARK Hagerstown, MD	97.9 WBEY Crisfield, MD
570 WSPZ Bethesda, MD	1280 WHVR Hanover, PA	1530 WCTR Chestertown, MD	97.9 W250AP Carlisle, PA (3)
580 WLVA Lynchburg, VA	1290 WWTX Wilmington, DE	1550 WMRE Charles Town, WV	98.9 W255CP Hagerstown, MD (4)
790 WSVG Mount Jackson, VA	1330 WHGM Havre de Grace, MD	FM	100.7 W264BJ Pocomoke City, MD (5)
900 WKDW Staunton, VA	1340 WHAP Hopewell, VA	92.7 WWTX Prince Frederick, MD	104.7 W284BE Havre de Grace, MD (6)
910 WSBA York, PA	1340 WEPM Martinsburg, WV	93.9 W230AX Shippensburg, PA (1)	105.7 WJZ-FM Catonsville, MD
930 WDLX Washington, NC	1430 WNAV Annapolis, MD	94.1 W231CE Lynchburg, VA (2)	
960 WHYL Carlisle, PA	1450 WTHU Thurmont, MD		

Relays: 1) WEEQ 1480, 2) WLVA 580, 3) WIOO 1000, 4) WARK 1490, 5) WGOP 540, 6) WHGM 1330, * denotes station holds CP to move to 1010 kHz

BOSTON RED SOX English: Joe Castiglione, Dave O'Brien, Spanish: Uri Berenguer, Oscar Báez, Web: redsox.com

850 WEEI Boston, MA (English)

No network list or Spanish language radio information available

NEW YORK YANKEES English: John Sterling, Suzyn Waldman, no Spanish language play-by-play personnel information available, Web: yankees.com

AM	1160 WPIE Trumansburg, NY	1350 WRNY Rome, NY	97.9 WUCS Windsor Locks, CT
600 WICC Bridgeport, CT	1190 WSDE Cobleskill, NY	1410 WELM Elmira, NY	99.5 WTKW Bridgeport, NY
620 WVMT Burlington, VT	1230 WIXT Little Falls, NY	1420 WACK Newark, NY	101.9 WFAN-FM New York, NY
640 WMEN Royal Palm Beach, FL	1270 WTSN Dover, NH	FM	102.3 WHBS Pittston, PA
660 WFAN New York, NY	1280 WADO New York, NY	92.7 WOXO Norway, ME	103.5 WUUF Sodus, NY
680 WINR Binghamton, NY	1310 WTLB Utica, NY	94.3 WKXP Kingston, NY	104.5 WTMM-FM Mechanicville, NY
790 WPRV Providence, RI	1340 WBRK Pittsfield, MA	95.1 WAIO Honeoye Falls, NY	105.5 WTKV Minetto, NY
960 WELI New Haven, CT	1340 WENT Gloversville, NY	96.7 WVTT Portville, NY	
980 WXML Groton, CT	1340 WIRY Plattsburgh, NY	97.3 WZAD Wurtsboro, NY	

TAMPA BAY RAYS English: Andy Freed, Dave Wills, Neil Solondz, Spanish: Enrique Oliu, Ricardo Taveras, Web: raysbaseball.com

AM	1240 WFWN Fort Myers, FL	1450 WTAL Tallahassee, FL	98.9 W255CC Sarasota, FL (2)
620 WDAE Saint Petersburg, FL	1270 WNOG Naples, FL	1450 WWJB Brooksville, FL	99.9 WXJB Homosassa, FL
660 WORL Altamonte Springs, FL	1300 WMEL Cocoa Beach, FL	1520 WBZW Apopka, FL	103.9 W280DK Spring Hill, FL (3)
680 WGES Saint Petersburg, FL	1350 WDCF Dade City, FL	1550 WAMA Tampa, FL	105.9 WTZB Englewood, FL
850 WRUF Gainesville, FL	1390 WFHT Avon Park, FL	FM	107.7 W298BU Zolfo Springs, FL (4)
1010 WJXL Jacksonville Beach, FL	1400 WZHR Zephyrhills, FL	92.5 WJXL-FM Jacksonville Beach, FL	
1070 WKII Solana, FL	1410 WQJR Prattville, AL	95.3 W237CW Pinellas Park, FL (1)	
1220 WSRQ Sarasota, FL	1430 WLTG Panama City, FL		

Relays: 1) WDAE 620, 2) WSRQ 1220, 3) WWJB 1450, 4) WFHT 1390

TORONTO BLUE JAYS Jerry Howarth, Joe Siddall, Mike Wilner, Web: bluejays.com

AM	920 CKNX Wingham, ON	1240 CJCS Stratford, ON	FM
570 CKGL Kitchener, ON	960 CFAC Calgary, AB	1290 CFRW Winnipeg, MB	90.5 CJMB Peterborough, ON
590 CJCL Toronto, ON	1070 CHOK Sarnia, ON	1290 CJBK London, ON	95.7 CJNI Halifax, NS
600 CKAT North Bay, ON	1150 CJSL Estevan, SK*	1310 CIWW Ottawa, ON	
690 CKGM Montreal, QC	1190 CFSL Weyburn, SK	1410 CFTE Vancouver, BC	

* Jays' list shows old frequency of 1280

NATIONAL LEAGUE – EASTERN DIVISION

ATLANTA BRAVES Jim Powell, Don Sutton, Web: braves.com

AM	970 WYSE Canton, NC	1390 WOHS Shelby, NC	1580 WPGY Ellijay, GA
540 WRGC Sylva, NC	990 WEIS Centre, AL	1400 WSEG Savannah, GA	1590 WTGA Thomaston, GA
560 WNSR Brentwood, TN	1050 WJSB Crestview, FL	1400 WSGC Elberton, GA*	1590 WCAM Camden, SC
580 WACQ Tuskegee, AL	1150 WJEM Valdosta, GA	1400 WJZM Clarksville, TN	1630 WRDW Augusta, GA
580 WGAC Augusta, GA	1180 WV LZ Knoxville, TN	1410 WLAQ Rome, GA	FM
590 WCAB Rutherfordton, NC	1230 WAUD Auburn, AL	1420 WPEH Louisville, GA	92.1 WKUL Cullman, AL
600 WCVP Murphy, NC	1230 WBLJ Dalton, GA	1420 WKWN Trenton, GA	92.1 WBTR Carrollton, GA
630 WJDB Thomasville, AL	1230 WJUL Hiwassee, GA	1450 WBSR Pensacola, FL	92.1 WPEH-FM Louisville, GA
630 WNEG Toccoa, GA	1240 WGGG Gainesville, GA	1450 WKEU Griffin, GA	92.3 WQLI Meigs, GA
640 WXSM Blountville, TN	1240 WPAX Thomasville, GA	1450 WCON Cornelia, GA	92.5 W223AX Foley, AL (1)
680 WCNN North Atlanta, GA	1270 WLK Newport, TN	1450 WGPC Albany, GA	93.1 WCHZ-FM Warrenton, GA
690 WJOX Birmingham, AL	1300 WJBB Winder, GA	1450 WGNM Murfreesboro, TN	93.7 W229AG Atlanta, GA (2)
730 WUMP Madison, AL	1300 WMTM Moultrie, GA	1460 WBCU Union, SC	93.7 W229AJ Claxton, GA (3)
730 WLIL Lenoir City, TN	1310 WHEP Foley, AL	1470 WCLA Claxton, GA	93.9 WYTK Rogersville, AL
740 WMSP Montgomery, AL	1310 WISE Asheville, NC	1480 WVOV Bridgeport, AL	94.5 WJOX-FM Birmingham, AL
780 WPTN Cookeville, TN	1320 WISW Columbia, SC	1490 WKUN Monroe, GA	95.1 WGAC-FM Harlem, GA
790 WSNF Brunswick, GA	1320 WGOC Kingsport, TN	1490 WSNT Sandersville, GA	95.5 WJDB-FM Thomasville, AL
800 WJAT Swainsboro, GA	1320 WMSR Manchester, TN	1510 WQUL Woodruff, SC	95.9 WTWX Guntersville, AL
850 WPTB Statesboro, GA	1330 WLBB Carrollton, GA	1560 WLZR Melbourne, FL	95.9 W240BO Woodruff, SC (4)
900 WJTH Calhoun, GA	1330 WMLT Dublin, GA	1570 WCLE Cleveland, TN	95.9 W240CA Brentwood, TN (5)
920 WHJD Hazlehurst, GA	1340 WGAU Athens, GA		96.1 W241BG Valdosta, GA (6)
950 WNZZ Montgomery, AL	1350 WFNS Blackshear, GA		96.9 W245BT Dublin, GA (7)
950 WHSY Hattiesburg, MS	1370 WLOP Jesup, GA		97.5 W248BJ Hiwassee, GA (8)
970 WVOP Vidalia, GA	1370 WDEF Chattanooga, TN		97.9 WDMG-FM Ambrose, GA

98.7 W254CJ Athens, GA (9)	101.7 W269CC Adairsville, GA (15)	103.9 WNTC Drakesboro, KY	106.3 WGMK Donalsonville, GA
99.3 WCON-FM Cornelia, GA	101.7 WYUM Mount Vernon, GA	104.3 W282AR Savannah, GA (19)	106.7 WYAY Gainesville, GA
99.7 W259AK Swainsboro, GA (10)	101.9 W270AF Murfreesboro, TN (12)	104.5 WYYU Dalton, GA	107.5 WTIF-FM Tiffin, GA
99.9 WSNF-FM Sandersville, GA	102.3 WKZR Milledgeville, GA	105.1 W286BO New Elm, GA (20)	107.9 W300BL Manchester, TN (24)
100.3 WSEA Atlantic Beach, SC	102.7 WCNG Murphy, NC	105.3 W287CM Elberton, GA (21)	HD2
100.5 W263BW Centre, AL (11)	102.7 WPUB Camden, SC	105.5 WIFO Jesup, GA	103.7 WLTC Cusseta, GA**
100.5 W263AI Murfreesboro, TN (12)	103.5 WJAD Leesburg, GA	105.5 WROK Macon, GA	104.1 WRBN Clayton, GA***
101.1 W266BJ Tallahassee, AL (13)	103.5 W278BE Union, SC (16)	105.5 WCCP Walhalla, SC	
101.1 WLJA Ellijay, GA	103.7 W279BC Brunswick, GA (17)	105.9 W290BR Hazlehurst, GA (22)	
101.1 WTGA-FM Thomaston, GA	103.7 W279BD Thomasville, GA (18)	106.1 W291CF Trenton, GA (23)	
101.3 W267BC Blairsville, GA (14)	103.9 WDDK Greensboro, GA	106.3 WKNU Brewton, AL	

Relays: 1) WHEP 1310, 2) WCNN 680, 3) WCLA 1470, 4) WQUL 1510, 5) WNSR 560, 6) WJEM 1150, 7) WMLT 1330, 8) WJUL 1230, 9) WGAU 1340, 10) WJAT 800, 11) WEIS 990, 12) WGNS 1450, 13) WACQ 580, 14) WCNG 102.7, 15) WJTH 900, 16) WBCU 1460, 17) WSNF 790, 18) WPAX 1240, 19) WSEG 1400, 20) WMTM 1300, 21) WSGC 1400, 22) WHJD 920, 23) WKWN 1420, 24) WMSR 1320, * denotes not on Braves network list, ** Frequency listed as 105.5, *** Frequency listed as 100.3 on the Braves network list

MIAMI MARLINS English: Dave Van Horne, Glenn Geffner, Spanish: Rafael "Felo" Ramirez, Luis "Yiky" Quintana, Web: marlins.com

710 WAQI Miami, FL	1060 WIXC Titusville, FL	1240 WMMB Melbourne, FL	1600 WKWF Key West, FL
770 WJBX North Fort Myers, FL	1080 WHOO Kissimmee, FL	1450 WSTU Stuart, FL	
940 WINZ Miami, FL	1230 WBZT West Palm Beach, FL	1480 WFLN Arcadia, FL	

In addition, special programming in Spanish airs on WQBA 1140 Miami, FL.

NEW YORK METS English: Howie Rose, Josh Lewin, Wayne Randazzo, Spanish: Juan Alicea, Max Perez Jimenez, Nestor Rosario, Web: mets.com

710 WOR New York, NY (English)	1050 WEPN New York, NY (Spanish)
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PHILADELPHIA PHILLIES English: Scott Franzke, Larry Andersen, Jim Jackson, no Spanish play-by-play personnel information available, Web: phillies.com

AM	1230 WCMC Wildwood, NJ	1400 WRAK Williamsport, PA	92.7 WLPA Starview, PA
630 WEJL Scranton, PA	1240 WBAX Wilkes-Barre, PA	1440 WNPV Lansdale, PA	93.1 WEZW Wildwood Crest, NJ
830 WEEU Reading, PA	1270 WLBR Lebanon, PA	1490 WBCB Levittown, PA	94.1 WIP Philadelphia, PA
930 WHLM Bloomsburg, PA	1320 WGET Gettysburg, PA	1680 WTTM Lindenwold, NJ	100.7 WZXL Wildwood, NJ
1020 WJBG Ocean City, NJ	1340 WMID Atlantic City, NJ	FM	101.7 WDEL-FM Canton, NJ
1150 WDEL Wilmington, DE*	1360 WPPA Pottsville, PA	92.3 WVSL-FM Riverside, PA	
1210 WPHT Philadelphia, PA	1400 WEST Easton, PA		

WASHINGTON NATIONALS Charlie Slowses, Dave Jageler, Byron Kerr, Phil Wood, Web: nationals.com

AM	1400 WKAV Charlottesville, VA	1570 WECU Winterville, NC	103.9 W280ED New Bern, NC (3)
740 WRNR Martinsburg, WV	1440 WGLD Manchester Township, PA	1580 WJFK Morningside, MD	104.5 W283AZ Lynchburg, VA (4)
820 WWFD Frederick, MD	1450 WFTR Front Royal, VA	FM	106.5 W293AM Martinsburg, WV (5)**
950 WXGI Richmond, VA	1450 WMVA Martinsville, VA	94.7 WIAD-HD3 Bethesda, MD (1)	106.7 WJFK-FM Manassas, VA
1050 WBRG Lynchburg, VA	1470 WJDY Salisbury, MD	96.5 W243BR Harrisburg, PA (2)	
1230 WCMD Cumberland, MD	1490 WWNB New Bern, NC	98.1 WOBX Manteo, NC	
1400 WHGB Harrisburg, PA*	1500 WFED Washington, DC		

Relays: 1) WJFK 1580, 2) WHGB 1400, 3) WWNB 1490, 4) WBRG 1450, 5) WRNR 740, * denotes not on Nationals' network list, ** lists frequency as 106.7

AMERICAN LEAGUE – CENTRAL DIVISION

CHICAGO WHITE SOX English: Ed Farmer, Darrin Jackson, no Spanish play-by-play personnel information available, Web: whitesox.com

AM	1200 WRTO Chicago, IL	1360 WLBK DeKalb, IL	1590 WAIK Galesburg, IL	101.3 WVIL Virginia, IL
670 WSCR Chicago, IL	1240 WSDR Sterling, IL	1430 WCMY Ottawa, IL	FM	107.7 WMRS Monticello, IN
860 WMRI Marion, IN	1250 WSPL Streator, IL	1490 WZOE Princeton, IL	97.7 WLQI Rensselaer, IN	
1060 WRHL Rochelle, IL	1280 WBIG Aurora, IL	1560 WRIN Rensselaer, IN*	98.9 W255BN DeKalb, IL**	
1150 KCPS Burlington, IA	1340 WTRC Elkhart, IN	1580 WBCP Urbana, IL		

* White Sox list has this on 1420, ** Relays WLBK 1360

CLEVELAND INDIANS Tom Hamilton, Jim Rosenhaus, Web: indians.com

AM	1370 WSPD Toledo, OH	1480 WHBC Canton, OH	95.3 WLKR-FM Norwalk, OH
570 WKBN Youngstown, OH	1390 WBLL Bellefontaine, OH	1490 WMRN Marion, OH	98.3 WMAN-FM Fredericktown, OH
930 WEOL Elyria, OH	1400 WMAN Mansfield, OH	1540 WBTC Uhrichsville, OH	100.7 WMMS Cleveland, OH
970 WFUN Ashtabula, OH	1430 WCLT Newark, OH	1550 WDLR Delaware, OH	100.9 WBNO Bryan, OH
1100 WTAM Cleveland, OH	1450 WFOB Fostoria, OH	FM	100.9 WJAW-FM McConnelsville, OH
1260 WRIE Erie, PA	1450 WJER Dover, OH	92.7 WQEL Bucyrus, OH	104.5 WQKT Wooster, OH
1300 WMVO Mount Vernon, OH	1450 WLEC Sandusky, OH	93.1 WWSR Lima, OH	
1330 WFIN Findlay, OH	1460 WBNS Columbus, OH	93.5 WBNV Barnesville, OH	

DETROIT TIGERS Jim Price, Dan Dickerson, Web: tigers.com

AM	1340 WMBN Petoskey, MI	FM	98.7 WLDN Ludington, MI
590 WKZO Kalamazoo, MI	1360 WKYO Caro, MI	92.1 WCSR-FM Hillsdale, MI	99.3 WBET-FM Sturgis, MI
680 WDBC Escanaba, MI	1380 WPHM Port Huron, MI	93.7 WKAD Harrietta, MI	99.3 W257CZ Houghton, MI+
790 WSGW Saginaw, MI	1400 WCCY Houghton, MI	95.1 W236BR Reed City, MI**	100.3 WLKI Angola, IN
1050 WTKA Ann Arbor, MI	1400 WSJM Saint Joseph, MI	95.3 WBCK Battle Creek, MI	100.7 WWTH Oscoda, MI
1230 WSOO Sault Sainte Marie, MI	1450 WHTC Holland, MI	96.1 WMTR Archibold, OH	101.1 WGRY-FM Grayling, MI
1240 WIAN Ishpeming, MI*	1450 WIBM Jackson, MI	96.7 WRGZ Rogers City, MI	101.9 W270CJ Jackson, MI++
1240 WJIM Lansing, MI	1450 WMIQ Iron Mountain, MI	96.9 WLAV Grand Rapids, MI***	102.3 W272CR Petoskey, MI+++
1270 WMKT Charlevoix, MI	1460 WBRN Big Rapids, MI	97.1 WXYT-FM Detroit, MI	103.7 WCSY-FM South Haven, MI
1310 WCCW Traverse City, MI	1470 WLQR Toledo, OH	97.7 WQEZ Cheboygan, MI	107.3 WBBL Greenville, MI
1320 WDMJ Marquette, MI		97.7 WTVG Sandusky, MI	107.7 W299BE Big Rapids, MI**
1330 WTRX Flint, MI		98.3 WLCS North Muskegon, MI	

* Not on Tigers' network list, ** Relays WBRN 1460, *** Weekday daytime games only, + Relays WCCY 1400, ++ Relays WIBM 1450, +++ Relays WMKT 1270

KANSAS CITY ROYALS Denny Matthews, Steve Physioc, Steve Stewart, Web: royals.com

AM	960 KMA Shenandoah, IA	1240 KFH Wichita, KS	1320 KLWN Lawrence, KS
580 WIBW Topeka, KS	990 KRMO Cassville, MO	1270 KSCB Liberal, KS	1340 KGGG Garden City, KS
610 KCSP Kansas City, MO	1150 KSAL Salina, KS	1280 KSOK Arkansas City, KS	1340 KADI Springfield, MO
680 KFEQ Saint Joseph, MO	1150 KRMS Osage Beach, MO	1280 KDKD Clinton, MO	1350 KMAN Manhattan, KS
690 KGGF Coffeyville, KS	1180 KZOT Bellevue, NE*	1300 KMMO Marshall, MO	1370 KWRT Boonville, MO
780 WJAG Norfolk, NE	1190 KVSF Beloit, KS	1300 KBRL McCook, NE	1370 KAWL York, NE
860 KKOW Pittsburg, KS	1220 KOFO Ottawa, KS	1310 KGMT Fairbury, NE	1400 KAYS Hays, KS

1400 KVOE Emporia, KS
1410 KOOQ North Platte, NE
1420 KJCK Junction City, KS
1420 KULY Ulysses, KS
1420 KRLL California, MO
1430 KKOZ Ava, MO
1450 KWBW Hutchinson, KS
1450 KOKO Warrensburg, MO
1460 KKOY Chanute, KS
1530 KDSN Denison, IA
1530 KQNK Norton, KS

1540 KLKC Parsons, KS
1560 KABI Abilene, KS
1580 KNIM Maryville, MO
1600 KMDO Fort Scott, KS
1600 KTTN Trenton, MO
1620 KOZN Bellevue, NE
FM
92.1 KKOZ-FM Ava, MO
92.3 KTTN-FM Trenton, MO
92.5 KWIX-FM Cairo, MO

93.7 KNTK Firth, NE
94.5 KLIQ Hastings, NE
96.7 KBBE McPherson, KS
96.9 K245BQ Emporia, KS**
97.1 KNIM-FM Maryville, MO
97.3 K247AT Chanute, KS***
97.3 KBLR Blair, NE
97.5 K248BP Osage Beach, MO+
98.3 KQZQ Kiowa, KS
98.5 K253BP Nickerson, KS++
98.7 KFH-FM Clearwater, KS

99.1 KDWD Marceline, MO
100.1 KKWK Cameron, MO
100.9 KESA Eureka Springs, AR
102.9 KMMO-FM Marshall, MO
103.9 KOMB Fort Scott, KS
104.9 KXEA Lowry City, MO
105.9 K290AT Norfolk, NE+++
106.7 KQNK-FM Norton, KS

* Also carries Royals' Class AAA affiliate, the Omaha Storm Chasers, ** Relays KVOE 1400, *** Relays KKOY 1460, + Relays KRMS 1150, ++ Relays KWBW 1450, +++ Relays WJAG 780

MINNESOTA TWINS English: Cory Provus, Dan Gladden, Jack Morris, Spanish: Alfonso Fernandez, Tony Oliva, Web: twinsbaseball.com

AM
570 WNAX Yankton, SD
610 KDAL Duluth, MN
620 KMNS Sioux City, IA
710 KXMR Bismarck, ND
730 KWOA Worthington, MN
790 KFGO Fargo, ND
860 KNUJ New Ulm, MN
870 KPRM Park Rapids, MN
910 KCJB Minot, ND
920 KDHL Faribault, MN
920 KWAD Wadena, MN
950 KWAT Watertown, SD
1020 KJJJ Fergus Falls, MN
1060 KGFY Pierre, SD
1080 KYMN Northfield, MN
1140 KSOO Sioux Falls, SD
1190 WBHA Wabasha, MN
1210 KOKK Huron, SD
1220 KDDR Oakes, ND
1230 KTRF Thief River Falls, MN
1230 KWNO Winona, MN
1240 KICD Spencer, IA
1240 WJON Saint Cloud, MN
1240 WMFG Hibbing, MN

1240 KDLR Devils Lake, ND
1250 KCFI Cedar Falls, IA
1260 KROX Crookston, MN
1290 KBMO Benson, MN
1310 KGLB Glencoe, MN
1310 KNOX Grand Forks, ND
1320 KOZY Grand Rapids, MN
1340 KDLM Detroit Lakes, MN
1340 KRBT Eveleth, MN
1340 KRQC Rochester, MN
1340 KTOQ Rapid City, SD
1350 KDIO Ortonville, MN
1390 KRFO Owatonna, MN
1400 KEYL Long Prairie, MN
1400 KMHL Marshall, MN
1400 KQDJ Jamestown, ND
1400 WBIZ Eau Claire, WI
1410 KRWB Roseau, MN
1420 KTOE Mankato, MN
1420 KGIM Aberdeen, SD
1430 KNSP Staples, MN
1450 KBMW Breckenridge, MN
1450 KBUN Bemidji, MN
1450 WELY Ely, MN
1460 KLTC Dickinson, ND

1490 KNDC Hettinger, ND
1490 KOVC Valley City, ND
1510 KIFG Iowa Falls, IA
1570 KAKK Walker, MN
1580 KDOM Windom, MN
1590 KDJS Willmar, MN
1650 KCNZ Cedar Falls, IA

FM
92.1 WYRQ Little Falls, MN
93.1 K226CA Detroit Lakes, MN (1)
94.3 KDOM-FM Windom, MN
94.3 KKIN-FM Aitkin, MN
94.3 KULO Alexandria, MN
94.5 WELY-FM Ely, MN
94.9 K235BP Bemidji, MN (2)
95.3 KICD-FM Iowa Falls, IA
95.9 K240CJ Oakes, ND (3)
96.3 K242AY Walker, MN (4)
96.3 KTWN-FM Edina, MN
96.7 KKQC-FM Bagley, MN
97.1 K246AM Jamestown, ND (5)
97.3 KRVY Starbuck, MN
98.3 K252EX Spencer, IA (6)
99.7 W259CG Alma, WI (7)

99.9 K260BO Yankton, SD (8)
100.9 WCMP-FM Pine City, MN
102.7 KYTC Northwood, IA
102.7 K274AL Mankato, MN (9)
102.9 KZIA Cedar Rapids, IA*
102.9 K275BB Roseau, MN (10)
103.1 KFIL-FM Preston, MN
103.3 K277AI Russell, MN (11)
103.5 KUAL-FM Brainerd, MN
104.1 KSDM International Falls, MN
104.5 WQXJ Blackduck, MN
104.9 WLMX Balsam Lake, WI
105.5 KMGM Montevideo, MN
105.5 KMAV Mayville, ND
105.7 K289AI Rapid City, SD (12)
106.1 KLCI Elk River, MN
106.9 KARP-FM Dassel, MN
106.9 WMOZ Moose Lake, MN
107.1 K296FI Pierre, SD (13)
107.1 K296FW Aberdeen, SD (14)
107.3 KNUJ-FM Sleepy Eye, MN
107.5 K298BM Cedar Rapids, IA (15)
107.9 K300BG Grand Forks, ND (16)

Relays: 1) KDLM 1340, 2) KBUN 1450, 3) KDDR 1220, 4) KAKK 1570, 5) KQDJ 1400, 6) KICD 1240, 7) WBHA 1190, 8) WNAX 570, 9) KTOE 1420, 10) KRWB 1410, 11) KMHL 1400, 12) KTOQ 1340, 13) KGFX 1060, 14) KGIM 1420, 15) KZIA 102.9, 16) KNOX 1310, * denotes this station is not on Twins' network list

NATIONAL LEAGUE – CENTRAL DIVISION

CHICAGO CUBS Pat Hughes, Web: cubs.com

AM
780 WBBM Chicago, IL
800 KXIC Iowa City, IA
910 WAKO Lawrenceville, IL
1050 WDZ Decatur, IL
1150 KCPS Burlington, IA
1330 WRAM Monmouth, IL
1350 KRNT Des Moines, IA

1380 KCIM Carroll, IA
1400 WBAT Marion, IN
1400 KADR Elkader, IA
1440 WGEM Quincy, IL
1450 WFMB Springfield, IL
1490 WDBQ Dubuque, IA
1490 KOMJ Omaha, NE
1540 WBNL Boonville, IN

1570 KMCD Fairfield, IA
1580 WQQN Du Quoin, IL
1590 KWBG Boone, IA
1650 KCNZ Cedar Falls, IA
1660 WQLR Kalamazoo, MI

FM
93.5 KJOC Davenport, IA
95.3 WJEK Rantoul, IL

96.5 WZPN Farmington, IL
98.7 WASK-FM Battle Ground, IN
98.9 WISH Galatia, IL
102.7 WAOR Ligonier, IN
103.1 WAKO-FM Lawrenceville, IL
105.3 KNOD Harlan, IA

NOTE: WBBM's all-news format airs on simulcast partner WCFS 105.9 Elmwood Park, IL when the Cubs air on WBBM 780.

CINCINNATI REDS Marty Brennaman, Thom Brennaman, Jim Kelch, Jeff Brantley, Doug Flynn, Web: reds.com

AM
580 WCHS Charleston, WV
600 WKYH Paintsville, KY
680 WHBE Newburg, KY
700 WLW Cincinnati, OH
800 WVHU Huntington, WV
870 WPWT Colonial Heights, TN
900 WLSI Pikeville, KY
920 WTCW Whitesburg, KY
970 WATH Athens, OH
990 WTIG Canton, OH
1130 WFNF Brazil, IN
1150 WLOC Munfordville, KY
1150 WIMA Lima, OH
1220 WSLM Salem, IN
1230 WCDS Glasgow, KY
1230 WHOP Hopkinsville, KY
1230 WIRO Ironton, OH
1230 WYTS Columbus, OH
1240 WFTM Maysville, KY
1240 WPKE Pikeville, KY
1240 WSFC Somerset, KY
1240 WHIZ Zanesville, OH
1250 WCHO Washington Ct House, OH
1260 WNXT Portsmouth, OH

1270 WXGO Madison, IN
1270 WAIN Columbia, KY
1270 WILE Cambridge, OH
1270 WQTT Marysville, OH
1290 WVOW Logan, WV
1330 WVHI Evansville, IN
1340 WXFN Muncie, IN
1360 WMOV Ravenswood, WV
1370 WGCL Bloomington, IN
1370 WGOH Grayson, KY
1390 WMPO Middleport, OH
1400 WCYN Cynthiana, KY
1400 WIEL Elizabethtown, KY
1400 WFTG London, KY
1400 WBTH Williamson, WV
1410 WING Dayton, OH
1420 WTCR Kenova, WV
1430 WXNT Indianapolis, IN
1430 WXAM Buffalo, KY
1430 WFOB Fostoria, OH
1440 WPGW Portland, IN
1450 WTCO Campbellsville, KY
1450 WNOS New Bern, NC
1450 WHNK Parkersburg, WV
1460 WEKB Elkhorn City, KY

1470 WLQR Toledo, OH
1490 WKBV Richmond, IN
1490 WBEX Chillicothe, OH
1490 WMOA Marietta, OH
1490 WSWW Charleston, WV
1550 WCVL Crawfordsville, IN
1550 WNDI Sullivan, IN
1580 WAMW Washington, IN
1580 WLPK Connersville, IN
1600 WZZW Milton, WV

FM
92.7 W224BR Chillicothe, OH (1)
93.5 WAIN-FM Columbia, KY
94.3 WKKI Celina, OH
94.5 WKFS Englewood, OH
95.3 WNDI-FM Sullivan, IN
95.3 W237BV Hopkinsville, KY (2)
95.9 W240AT Bloomington, IN (3)
95.9 W240CE Washington, IN (4)
95.9 W240BP Pikeville, KY (5)
96.7 WBVI Fostoria, OH
97.1 W246CL New Bern, NC (6)
97.1 W246BH Middleport, OH (7)
97.1 W246CE Athens, OH (8)
98.1 W251AI Pikeville, KY (9)

99.5 W258BA Terre Haute, IN (10)
99.7 WUGO Grayson, KY
100.1 WMDJ-FM Allen, KY
100.5 WSJD Princeton, IN
100.7 W264BY Kingsport, TN (11)
100.9 WPGW-FM Portland, IN
100.9 W265CH Grayson, KY (12)
101.3 WFMG Richmond, IN*
101.5 WVLC-FM Richmond, KY
101.9 WVOW-FM Logan, WV
102.3 WCYN-FM Cynthiana, KY
102.5 W273BC Williamson, WV (13)
102.9 W275AJ Muncie, IN (14)
103.9 WRBI Batesville, IN
104.5 W283AQ Cross Lanes, WV (15)
105.5 WMVR Sidney, OH
105.7 WHBE-FM Eminence, KY**
106.1 WMOR-FM Morehead, KY
106.5 WLQR-FM Toledo, OH
106.5 W293AK Ravenswood, WV (16)
106.9 W295BT Connersville, IN (17)
107.1 WLRX Ironton, OH
107.9 W300CB Cambridge, OH (18)

Relays: 1) WBEX 990, 2) WHOP 1230, 3) WGCL 1370, 4) WAMW 1580, 5) WLSI 900, 6) WNOS 1450, 7) WMPO 1390, 8) WATH 1270, 9) WPKE 1240, 10) WFNF 1130, 11) WPWT 870, 12) WGOH 1370, 13) WBTH 1400, 14) WXFN 1340, 15) WSWW 1490, 16) WMOV 1360, 17) WLPK 1580, 18) WILE 1270

* Reds list has WKBV-FM on 101.1, ** Reds list has this as WTJV

MILWAUKEE BREWERS Bob Uecker, Joe Block, Jeff Levering, Web: brewers.com

AM	1230 WCLO Janesville, WI	1450 KFIZ Fond du Lac, WI	97.5 WTAQ-FM Glenmore Twshp, WI
550 WSAU Wausau, WI	1240 WJMC Rice Lake, WI	1450 WRCO Richland Center, WI	98.3 WCQM Park Falls, WI
570 WMAM Marinette, WI	1240 WOMET Manitowoc, WI	1490 WIGM Medford, WI	99.7 WWIS Black River Falls, WI
580 WKTY La Crosse, WI	1260 WXCE Amery, WI	1550 WEVR River Falls, WI	99.9 WSAU-FM Rudolph, WI
590 WJMS Ironwood, MI	1310 WIBA Madison, WI	1590 WPVL Platteville, WI	106.1 WACD Antigo, WI
620 WTMJ Milwaukee, WI	1330 WHBL Sheboygan, WI	FM	106.3 WEVR-FM River Falls, WI
940 WFAW Fort Atkinson, WI	1350 WPDR Portage, WI	92.3 WRLS Hayward, WI	106.7 WATQ Chetek, WI
960 WTCH Shawano, WI	1360 WTAQ Green Bay, WI	92.7 WDLX-FM Waupaca, WI	107.3 WNXR Iron River, WI
1100 WISS Berlin, WI	1400 WRDB Reedsburg, WI	93.9 WDOR-FM Sturgeon Bay, WI	
1150 WHBY Kimberly, WI	1430 WBEV Beaver Dam, WI	96.5 WHOH Rhinelander, WI	

PITTSBURGH PIRATES Greg Brown, Tim Neverett, Bob Walk, Steve Blass, Web: pirates.com

AM	1230 WBVP Beaver Falls, PA	1400 WBBB Wheeling, WV	1490 WTCS Fairmont, WV
590 WMBS Uniontown, PA	1230 WTIV Titusville, PA	1420 WCED DuBois, PA	FM
600 WFRM Coudersport, PA	1270 WCBC Cumberland, MD	1430 WEIR Weirton, WV	92.7 W224AI Loyalsock, PA**
630 WJAW Saint Mary's, WV	1280 WJST New Castle, PA	1440 WAJR Morgantown, WV	93.7 KDKA-FM Pittsburgh, PA
680 WISF Butler, PA	1290 WFBG Altoona, PA	1450 WFRA Franklin, PA	96.7 WLLF Mercer, PA
680 WKAZ Charleston, WV	1310 WNAE Warren, PA	1450 WJPA Washington, PA	97.5 WDDH Saint Mary's, PA
850 WNTJ Johnstown, PA	1330 WETZ New Martinsville, WV	1450 WQWK State College, PA	104.1 WETT Clarksburg, WV
990 WLLI Somerset, PA	1340 WTRN Tyrone, PA	1460 WMBA Ambridge, PA	
1050 WLYC Williamsport, PA*	1390 WNIO Youngstown, OH	1480 WCNS Latrobe, PA	
1150 WHUN Huntingdon, PA	1390 WKLP Keyser, WV	1490 WESB Bradford, PA	
1160 WCCS Homer City, PA	1400 WJET Erie, PA	1490 WMGW Meadville, PA	

* Not listed on the Pirates' network list, ** Relays WLYC 1050

SAINT LOUIS CARDINALS Mike Shannon, John Rooney, Mike Claiborne, Web: cardinals.com

AM	1340 KSMO Salem, MO	93.3 WQTY Linton, IN	99.3 WZLT Lexington, TN
540 WKFN Clarksville, TN	1340 KXEO Mexico, MO	93.3 K227CQ Bartlesville, OK (1)	99.7 KWPS Caddo Valley, AR
680 WMFS Memphis, TN	1390 KCRC Enid, OK	93.5 WSJK Tuscola, IL	99.7 KTRR-FM Saint James, MO
690 KEWI Benton, AR	1400 WGIL Galesburg, IL	93.7 WJBC-FM Pontiac, IL	99.9 KIRK Macon, MO
730 WFMW Madisonville, KY	1400 KREF Norman, OK	93.9 W230BN Mayfield, KY (2)	100.3 KURM-FM Gravette, AR
740 WVLN Olney, IL	1400 KWON Bartlesville, OK	93.9 KSSZ Fayette, MO	100.3 W262BI Robinson, IL (8)
790 WMC Memphis, TN	1420 WINI Murphysboro, IL	94.1 WMIX-FM Mount Vernon, IL	100.3 KUKU-FM Willow Springs, MO
800 KAGH Crossett, AR	1430 WYMC Mayfield, KY	94.3 KATI California, MO	100.5 KMEM Memphis, MO
800 KVOM Morrilton, AR	1450 WKEI Kewanee, IL	94.5 K233AU Tulsa, OK (3)	100.7 W264CK Clarksville, TN (9)
860 WSON Henderson, KY	1450 KIRX Kirksville, MO	94.9 WYNG Mount Carmel, IL	101.1 K266AN Atlantic, IA (10)
870 WTIM Assumption, IL*	1450 KWPM West Plains, MO	94.9 W235AC Madisonville, KY (4)	101.3 WMSK-FM Sturgis, KY
980 KSGM Chester, IL	1450 KGFF Shawnee, OK	95.1 KMAQ-FM Maquoketa, IA	101.3 KTXR Springfield, MO
990 KRMO Cassville, MO	1450 WTRO Dyersburg, TN	95.3 KOKX-FM Keokuk, IA	102.1 KJFM Louisiana, MO
1050 KSIS Sedalia, MO	1460 WROY Carmi, IL	95.5 KAAAN-FM Bethany, MO	102.1 KTUI-FM Sullivan, MO
1070 KHMO Hannibal, MO	1460 KXNO Des Moines, IA	95.7 WSEY Oregon, IL	102.3 WEBQ-FM El Dorado, IL
1120 KMOX Saint Louis, MO	1470 KGND Vinita, OK	95.9 KWHF Harrisburg, AR	102.3 WRMJ Aledo, IL
1220 WLPO LaSalle, IL	1490 WDAN Danville, IL	95.9 KCOB-FM Newton, IA	102.7 W274BM Peoria, IL (11)
1220 KJAN Atlantic, IA	1490 WTUP Tupelo, MS	95.9 WGKY Wickliffe, KY	103.1 KFFA-FM Helena, AR
1230 WHCO Sparta, IL	1490 WVBG Vicksburg, MS	95.9 KKBL Monett, MO	103.1 KHGG-FM Waldron, AR
1230 WJBC Bloomington, IL	1500 KPGM Pawhuska, OK	96.1 KITO Vinita, OK	103.5 WXLN Christopher, IL
1230 KZYM Joplin, MO	1520 WLUV Loves Park, IL	96.3 W242BZ Taylorville, IL (5)	103.7 KJEL Lebanon, MO
1230 WBBZ Ponca City, OK	1540 WSMI Litchfield, IL	96.5 W243CU Henderson, KY (6)	103.9 W280EG Peru, IL (12)
1240 KTLN Mountain Home, AR	1550 KESJ Saint Joseph, MO	97.3 KYRX Marble Hill, MO	104.1 KPOC-FM Pocahontas, AR
1240 KWAK Stuttgart, AR	1550 KYAL Sapulpa, OK	97.5 KNMO Nevada, MO	104.3 W282AL Kewanee, IL (13)
1240 WTAX Springfield, IL	1560 WBYS Canton, IL	97.5 KOEA Doniphan, MO	104.3 KDBB Bonne Terre, MO
1240 KNEM Nevada, MO	1570 WTAY Robinson, IL	97.7 KOTM Ottumwa, IA	104.7 KRES Moberly, MO
1250 KBTC Houston, MO	1570 WTRB Ripley, TN	97.9 KBXB Sikeston, MO	104.9 KYTN Union City, TN
1280 KCOB Newton, IA	1580 KHGG Van Buren, AR	97.9 KFBD Waynesville, MO	105.1 WGEM-FM Quincy, IL
1290 WIRL Peoria, IL	1580 KTGR Columbia, MO	98.5 WQKZ Ferdinand, IN	105.5 KYEL Danville, AR
1330 KUKU Willow Springs, MO	FM	98.5 KWKJ Windsor, MO	105.5 WREZ Metropolis, IL
1310 WDXI Jackson, TN	92.3 KSAR Cherokee Village, AR	98.5 K253AY Norman, OK (7)	106.5 KTMO New Madrid, MO
1340 KBTA Batesville, AR	92.5 KPPL Poplar Bluff, MO	98.7 KWTO-FM Springfield, MO**	106.9 W295BQ Litchfield, IL (14)
1340 WNBS Murray, KY	92.7 KASR Vilonia, AR	98.9 WHQQ Neoga, IL	107.1 WEAT Lynnville, IL
1340 WJPF Herrin, IL	92.9 WSEI Olney, IL	99.1 KMA-FM Clarinda, IA	107.5 W298AP Springfield, IL (15)
1340 WSOY Decatur, IL	92.9 WMFS-FM Bartlett, TN	99.1 WCBL-FM Grand Rivers, KY	

Relays: 1) KWON 1400, 2) WYMC 1430, 3) KYAL 1550, 4) WFMW 730, 5) WTIM 870, 6) WSON 860, 7) KREF 1400, 8) WTAY 1570, 9) WKFN 540, 10) KJAN 1220, 11) WIRL 1290, 12) WLPO 1220, 13) WKEI 1450, 14) WSMI 1540, 15) WTAX 1240, * denotes that the station is not on Cardinals' network list, ** Also carries the Cardinals' Class AA affiliate, the Springfield Cardinals

That's all for this super-sized edition of SportChannels... with all the FM stations relaying AM signals, the network lists have gotten bigger. Next edition, we'll wrap up our Major League Baseball lists (and Volume 52) with the network lists from the Western Division of both leagues. 73 and play hard!



VERIFICATION SIGNERS – Stephen S Howe – 9 Warner Dr – St Albans VT 05478-1575
E-mail: showe@albany.edu

My deadline is the last Monday of the month at 1500 ELT.

CONTRIBUTOR

IRCA **IRCA ListServ**

FREQ CALL NAME, TITLE; ADDRESS; WHAT; WHEN; WHO

1050 KORE* Larry Knight, StnMgr; 2080 Laura St, Springfield, OR 97477-2197; LB+; 13; IRCA

WHAT was received: L = Letter with personalized statement; F = Form letter; Q = QSL card, commercially printed; C = Postcard or similar card supplied by station; P = Prepared card or form supplied by DXer; R = DXer's report returned with statement; cf = Certificate; E = Verification by e-mail; fx = Verification by FAX; M = Coverage map; B = Bumper or other sticker; bc = Business card; + = Extra goodies

WHEN the reply came: Number of days elapsed; f = Follow-up, by mail, FAX, e-mail, or visit; n = Return postage not used; r = Return postage returned

NOTES: * [For this column] = Some details added by SSH

This column was prepared on 6/29/15. 73, SSH.



2014-2015 IRCA NUMBERAMA DX CONTEST – Manager: Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923

E-mail: NancyJohnson@prodigy.net

June 15 2015 Final Contest Standings

1. Eric Bueneman 283	3. Tim Noonan 237	5. Greg Hall 192	7. John Tudenham 88	9. Mike Sanburn 10
2. John C Johnson 271	4. Nigel Pimblett 215	6. Dennis Vroom 123	8. Nancy Johnson 65	10. Phil Bytheway 2

Congratulations to our winner **Eric Bueneman!** Thank you to all the members who participated in the contest this past season. Many new stations were heard while people were listening for contest stations! The 2015-2016 contest will begin on September 1 2015, rules will appear in the August 22 issue. 73 – Nancy



GEOMAGNETIC INDICES – Compiled by: Phil Bytheway

E-mail: phil_tekno@yahoo.com

Geomagnetic Summary June 1 2015 through June 30 2015

Tabulated from email status daily (K @ 0000 UTC.)

Date	Flux	A	K	Space Wx										
6/ 1	100	8	1	no storms	6/11	140	9	1	minor, R1	6/21	136	8	2	minor, R1, S1
2	101	3	0	no storms	12	137	7	3	no storms	22	135	54	5	severe, G4, R2. S3
3	109	4	0	no storms	13	136	10	3	no storms	23	116	76	3	severe, G4, S2
4	118	3	1	no storms	14	132	20	3	minor, G1, R1	24	110	17	2	no storms
5	126	3	1	no storms	15	135	14	2	no storms	25	102	33	4	moderate, G2, R2
6	133	5	1	no storms	16	136	10	2	no storms	26	101	10	3	minor, S1
7	137	7	3	no storms	17	136	14	1	no storms	27	97	8	3	minor, S1
8	134	33	4	moderate, G2	18	151	6	1	minor, R1, S1	28	97	13	2	no storms
9	137	13	2	no storms	19	137	5	1	no storms	29	97	6	1	no storms
6/10	135	12	3	no storms	6/20	135	2	1	minor, R1	6/30	x	x	x	x

Gx – Geomagnetic Storm Level

Rx – Radio Blackouts Level

Sx – Solar Radiation Storm Level

Space Weather News for June 22 2015 <http://spaceweather.com> (via ABDX)

GEOMAGNETIC STORM WARNING: A CME is heading directly for Earth, and it is expected to sweep up one or more lesser CMEs before it reaches our planet on June 22nd. The combined impact is likely to spark polar geomagnetic storms and high-latitude auroras. Visit <http://spaceweather.com> for more information and updates.

AURORA ALERTS: Don't sleep through the auroras. Get a phone call when geomagnetic storms are underway. Space weather alerts are available from <http://spaceweathertext.com> (text) and <http://spaceweatherphone.com> (voice).

A DXers Technical Guide, 4th Edition (Spring 2004)

In its nearly 200 pages you will learn about the principles underlying the design of successful receivers, antennas and receiving accessories, find reviews of the best commercially available DXing equipment in different price ranges, as well as detailed instructions for building one's own antennas and other DXing aids. Although it focuses on the technical backdrop to medium wave DXing, it will also be of interest to serious shortwave listeners and low band radio amateurs.

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The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from November through March, twice monthly from April to November.) **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists.



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