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NEXT SDXM IN FOUR WEEKS!!

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The next issue will be the LAST ISSUE published by the IRCA. As no one has stepped forward to assume Publishing duties, the hard copy "DX Monitor" will cease to exist. Details on the future of IRCA as an email only club will be forthcoming in the next issue, our last! Many thanks to Eric Bueneman who has spent countless hours doing this job the past two years

Presidential MEMO !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

The following proposal has been tendered to the BOD for voting. Please let your BOD know how you feel about this.

19.2.5 APPROVE KEVIN REDDING AS EDITOR OF THE IRCA SPORTS COLUMN.  
Submitted by Lee Freshwater

PUBLISHER NEEDED !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

After the August issue V38 # 21, Eric WILL be stepping down as IRCA Publisher. So far, NO ONE has even expressed an interest in assuming these duties. IRCA WILL continue, but it is up to SOMEONE to step forward and volunteer.... Please contact myself or Phil Bytheway for information. Don't wait for the "other guy" to do it. Those of you who get ONLY the printed version need to get involved and SAVE your publication.

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CONVENTION/MEETING NOTICES  
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The WTFDA Convention will be held on July 27-29 2001 at the Super 8 Lodge, 2773 Elder St, Boise ID 83705. Host is Frank Aden (4096 Marcia Pl, Boise ID 82704 - N7SOK@aol.com). For reservations (208) 344-8871 (mention Frank Aden). Rates are \$62.10 (for a double). Registration is \$20.

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The IRCA/DecalcoMania convention will be held on August 24-26 2001 at the Best Western Airport Inn, 10232 Natural Bridge Rd, St Louis MO 63134. DecalcoMania member Mike Sanburn (PO Box 1256,

Bellflower CA) is your host (mikesanburn@hotmail.com). For reservations 1-800-872-0070 or (314) 427-5955. Rates are \$73/night (up to 4 people/room). Registration is \$35/person. Contact Mike for more information.

An IRCA/DECALCOMANIA Convention Web site is now up and running. Go to the following link: <http://www.geocities.com/n0uih/irca2001.html>  
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The National Radio Club convention will be held in Pittsburgh, PA August 31-September 3, at the Greentree Radisson. Reservations will be held until August 10 at \$69 per day (for both single- and double-bed rooms); call 1-800-333-3333 and mention the "National Radio Club" for the reduced rate. Convention registration fee is \$40 and includes the Saturday night buffet, Sunday morning breakfast, snacks, and drinks. Other activities will include speakers, a DX quiz, the NRC auction, station tours, and more. For more info, send an SASE to John Malicky, 995 Shadycreech Rd, Pittsburgh, PA 15216-3046.  
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2001 M STREET RADIO DIRECTORY (10th Edition)

The IRCA Bookstore is proud to announce that the 'M Street Corporation' has agreed to offer a discount on their 2001 'M Street Radio Directory' to DXers ordering through the IRCA Bookstore. The Directory contains a complete listing of over 15,000 radio stations (AM/FM, US/Canada) including the following information: facilities, ownership, formats, IMAs, station personnel, phone numbers (and FAX), addresses, ratings, as well as information on almost 400 radio markets in the US and Canada. Stations are listed by location (complete info), frequency (frequency, call, location, power and pattern) and call (call, frequency, location) and market (frequency, call, location, rating, format). It also includes a former call reference (old call, location and current call). Major network information (addresses/phone numbers/etc) and several interesting radio articles are included as well.

The price to DXers ordering through the IRCA Bookstore is \$70.00 + Shipping/Handling (\$7.00 to US, \$17 to Canada or \$25 to Europe). Retail will be \$79.00 + S/H.

Checks and Money orders to be made out to: Phil Bytheway.

IRCA Bookstore, 9705 Mary NW, Seattle WA 98117-2334.

Latest word is that the book will be published at the end of July.  
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BROADCASTING INFORMATION

Editor: Robert Wien - 1309 Dentwood Dr - San Jose CA 95118

E-mail: rjwmail@webtv.net

FORMAT CHANGES: (#1)

AL Huntsville	WTXI-1450	was talk, now Jones classic country
CA Paradise	KKXX- 930	was religion, now ESPN sports (continues broadcast of teaching and ministry Programs in morning drive)
CO Colorado Spgs	KCMN-1530	was AS, to be stds//KLVZ-1220
CO Denver	KLVZ-1220	was oldies, to be AS
FL Gainesville	WWLO-1430	was talk, sports, now sports
KY Berea	WKXO-1500	was oldies//WLFX, now oldies, talk//WEKY
KY Irvine	WIRV-1550	was oldies//WLFX, now oldies, talk//WEKY
KY Louisville	WKWY- 790	was talk, now sports
KY Louisville	WKJK-1080	was AS, adds talk
MD Indian Head	WWGB-1030	was religion, adds SS religion
MI Muskegon	WMUS-1090	was country//WMUS-FM, now talk

MS Winona	WONA-1570	was urban AC, now Jones country//FM
NV North Las Vegas	KSFN-1140	was hot talk, adds Bob Rivers
OH Columbus	WZNW-1230	was WFII, talk, now Fox sports, talk
TN Winchester	WCDT-1340	was Jones oldies, now Jones country
VA Lynchburg	WLVA- 50	was AC, now AS
WA Tacoma	KKMO-1360	was religion, adds Spanish religion (afternoon drive)
WV Montgomery	WMON-1340	was country, now Salem s. gospel
BC Vancouver	CKST-1040	was stds and team, now Team sports
MB Winnipeg	CFST-1290	was AS, now Team sports
NS Halifax	CJCH- 920	was talk, now Team sports
ON Kitchener	CKKW-1090	was oldies, now Team sports
ON Kingston	CKLC-1380	was AC, now Team sports
ON Ottawa	CFGO-1200	was sports, adds Team sports
ON Peterborough	CKPT-1420	was AC, adds Team sports
ON Toronto	CHUM-1050	was oldies, now Team sports
PQ Montreal	CKGM-990	was oldies, now Team sports
CA Los Angeles	KLAC- 570	was AS, adds talk
CA San Bernardino	KEWS-1350	was KCKC, ranchera, now talk
CA Santa Barbara	KIST-1340	was oldies, now Fox sports
CO Grand Junction	KJOL- 620	was KSTR, 80's hits//KSTR-FM, to be cont. Xtian (June) (KJOL continues to sim. KSTR-FM until new owners are ready to begin programming station)
CO Pueblo	KKPC-1230	was nx, now info/talk//KCFR-1340 (begins non-commercial operation)
IA Cedar Rapids	KCRG-1600	was nx/talk, now ESPN sports
KS Independence	KIND-1010	was talk, oldies//KIND-FM, now WW1 stds., talk
LA New Orleans	WSMB-1350	was sports, talk, now talk
LA New Orleans	WBVU- 450	was AS, now health talk (rebroadcasts portion of WWNN Pompano Beach, FL.)
LA Shreveport	KRMD-1340	was sports, adds ESPN sports
MD Annapolis	WYRE- 810	was classic country, adds talk
MO De Soto	KRFT-1190	was silent, now oldies
MO Joplin	KOCR-1310	was cont. Xtian, rptd. silent (pending sale)
NY Patchogue	WLIM-1580	was AS, to be ethnic
OK Ardmore	KVSO-1240	was oldies, talk, now ESPN sports
PA Harrisburg	WWKL-1460	was oldies, to be Fox sports (June)
SC Abbeville	WABV-1590	was country, talk, rptd. silent (for 'major technical upgrade')
SC Greenwood	WCRS-1450	was stds, talk, now religion
SD Rapid City	KTOQ-1340	was AS, now talk (adds Imus mornings)
TX Tulia	KTUE-1260	was religion, now SS cont. Xtian//KUBR

NEW STATION APPLICATIONS:

CO Pierce	870	no facilities given
UT Parowan	1400	no facilities given

CONSTRUCTION PERMIT ACTIVITY:

AB Grande Prairie	CJXX- 840	moves to 93.1 FM
AB Lethbridge	CJOC-1220	moves to 106.7 FM
AB Red Deer	CKGY-1170	moves to 95.5 FM
NF Gander	CKKD-1010	moves to 98.7 FM
DE Wilmington	WTMC-1380	inc. to 5000/1000 DA-2 vice ND

FACILITY & PARAMETER APPLICATIONS:

KY Murray	WRKY-1130	inc. to 1500-N
MA Marlborough	WSRO-1470	inc. to 7000-D, DA-2 vice DA-N
PA Canonsburg	WWCS- 540	dec. to 3600-D

FACILITY & PARAMETER GRANTS:

CA San Rafael KJQI-1510 add 200-N, DA-2 vice DA-D  
TX Ferris KDFT- 540 add 350-N, DA-2 vice DA-D

CALL LETTER CHANGES:

FL Gainesville WWLO-1430 becomes WTMN "The Team"  
FL Jupiter WDBE-1000 becomes WDBF "Palm Beach's Information  
Station"  
ME Lewiston WZOU-1470 becomes WLAM  
MO Springfield KTTS-1260 becomes KTTF "Classic Country AM 1260"  
NJ Salem WNNN-1510 becomes WFAI "Faith 1510"  
VA Moneta WVLR- 880 bcomes WCQV "The Cove"  
BC Chilliwack CHWK-1270 becomes CFSR

INDIVIDUAL CONTRIBUTIONS:

Note on credits: \*\*\* = via nrcdxas site used by permission. All others are self-contributed or through IRCA E-groups.

Dennis Gibson of Santa Barbara, CA. sends along the following:

From R&R:

ST has learned that KAFY/Bakersfield will soon drop its simulcast of KIIS/Los Angeles to become News/Talk KZTK. Market veteran Chris Squires will handle PD duties. Look for KSTE/Sacramento morning hosts Armstrong & Getty to air in mornings via satellite, while Premiere-syndicated programs from Rush Limbaugh and Dr. Laura Schlesinger will also be featured prominently in the lineup. Expect KZTK to bow within the next couple of weeks.

Didn't KAFY and KZPM swap call letters? If so, this should have said KZPM.

Art Blair of Folsom, CA. sends along the following:

Fresno Grzzlies baseball in English on 1340-KCBL "The Ball" with Dennis Higgins, and in Spanish on 1600-KGST with Jess Gonzalez.

Start times for May 25 & 26, 1905 PDT, May 27 at 1805 PDT, and May 28 at 1305. The times sent out from the Grizzlies website were PST.

KMPC-1540 will broadcast USC football and basketball this season. WWZN-1510 is the new home of the Boston Celtics.

Ralph Sanserino of Ferris, CA. sends along the following (re question from ye editor re KCKC-1350):

(Ye editor): They are probably KEWS now. I also heard them with some type of talk show about 5:45 AM way u/KBID w/KSRO nulled. Keep checking for an ID for me, please. Thanks!

(Ralph's response): No ID 1350 San Bernadino. Talk radio every time I listen in.

(Additional response from Ralph): Tuned in at 7:00 AM this morning on 1350 and got no ID. The Mike Gallagher show was on, talk format, English no Mexican.

Neil Griffin \*\*\* (location unknown) passes along the following:

WTAL 1450 in Tallahassee, FL returned to the air on May 13. On May 14 they resumed their talk format.. Syndicated shows include Don Imus, G. Gordon Liddy, Dr. Laura, and Tom Leykis from the promos I heard them airing. They were talk before going silent last December. Several of their shows were lost to other stations in the market. Clear Channel's sports talker WNLS 1270 added Rush Limbaugh to its schedule about two months ago, and religious WVCV 1330 picked up several of WTAL's local talk hosts. WTAL is also airing some adult standards on weekends.

WTAL was purchased by John Wiggins of Unique Broadcasting in Nashville, TN and the station manager is Fred Willis. The station

went silent after losing their transmitter site to the developers of a new shopping center. They are now transmitting from a tower on Tallahassee's north side that was used by WANM 1070 (now WFRF). Fred Willis is also manager of Unique's new sign-on WJHW 101.9, 40 miles north in Bainbridge, GA.

Pat Griffith \*\*\* of Westminster, CO. passes along the following:

560 KLZ CO Denver - 5/21 0650 - Format swap with KLVZ took place this morning. Changed to 50s & 60s oldies. Slogans are "Fabulous" and "K-love". ID at 0652 "Fabulous five-sixty, K-love". 1220 KLVZ CO Denver - 5/21 0650 - Format swap with KLZ took place this morning. Changed to 40s, 50s, and 60s oldies. Slogan is "Legends". ID at 0733 "Your Legends station, Legends twelve-twenty, KLVZ".

560 & 1220 - KLZ & KLVZ - CO, Denver - Received confirmation letter on Crawford Broadcasting Company stationary for both stations for their format swap on 05/21/01. Letter says the swap officially occurred at 0450 MT which was the time of my report. Received in 2 days for an e-mail report. V/S: W.C. "Cris" Alexander, Director of Engineering. Address: 2150 W. 29th Ave, Suite 450, Denver, CO 80211.

\*\*Letter also states that KCMN/1530 will // some of the programming from KLVZ between 1000 and 1800 MT starting June 4th. (When I was in Colorado Springs 5/21-5/24, KCMN still Iding only as "Legends 1530", nostalgia format-ye ed.)

Rich Toebe of Davis, CA. passes along the following:

KLOC (Ceres, CA.-ye ed.) is now "920 The Vine" // 1390 KVIN (Turlock, CA.-ye ed.), with dual call ID at the hour. (I have also heard them with this ID-ye ed.)

Dennis Gibson of Santa Barbara, CA. passes along the following:

From Inside Radio:

Salem buying KBZS-AM, San Francisco from In Radio License LLC  
Price: \$9 million. Salem will give In Radio License LLC an additional \$2 million if it is able to upgrade KBZS-AM's night signal. Salem is strictly acquiring KBZS-AM's license and tower site. Sources at the station say that KBZS-AM is in the process of finalizing a frequency swap so the business news format of KBZS-AM can continue. Announcement of the finalized swap is expected in the near future.

Ye editor passes on the following additional info: (re: KBZS-1220 Palo Alto, CA. change of format):

Andy Whatley - andy.whatley@businessradio1220.com

(Reply from station personnel concerning KBZS-1220's format change):

We are going to switch frequencies which we will announce soon!

Rich Toebe of Davis, CA. adds to above:

Probably 1450 (KEST-San Francisco, CA.-ye ed.) since they and 1220 are owned by the same group.

Dennis Gibson of Santa Barbara, CA. sends along the following (from Radioink.com):

(5/15/2001) Clear Channel Wins Latest KISS Battle in Bakersfield, CA. Clear Channel and American General Media are fighting over the use of the KISS slogan in Bakersfield, CA. Clear Channel wins the latest round. Judge Ronald Lew granted a restraining order to Clear Channel, accepting the argument that CC holds the rights to the slogan. KKXX-FM is now using the slogan. A final ruling on the case is expected soon.

Dennis also passes along the following:

From R&R (not sure if they're referring to the AM or the FM):

KJQI/S.F. Flips To Christian CHR/Rhythmic

Salem's Christian AC station is now known as "The Bridge," with new calls KSEB. (AM is still KJQI, FM is now KSEB per monitoring-year ed.)

Powell E. Way III \*\*\* (location unknown) sends along the following:

WCEO signed off at 11:00 AM. The person running it turned it OFF as NO one (including my friend owed THOUSANDS for engineering work)...had been paid at ALL! The ownership seems not to want to pay employees, but just bought a station in High Point NC.

Ye editor passes along the following:

KMCA-1460 Burney, CA. was fined \$15000 by FCC for running their operation without a license and on an unlicensed frequency! No wonder we never saw this CP for 1460! They never should've moved there to begin with (ex-1450)....

Doug Smith \*\*\* of Pleasant View, TN. sends along the following:

The Associated Press reports WABF-1220 (Fairhope, AL near Mobile) is off the air after a transmitter near (in?) the transmitter.

Jon E. Pearkins (location unknown in Alberta) sends along the following (via Bruce Portzer of Seattle, WA.):

The Globe and Mail, Saturday, May 5, 2001

Albertan oldie ready to make it all night

By Helen Metella

One of Canada's oldest and oddest radio outlets is planning a transformation next month that, in this electronic universe at least, belies belief: It will finally convert itself to a 24-hour format.

"We're probably the last station in the world to do so," chuckles Brian Dunsmore, program director of Edmonton-based CKUA Radio Network, a broadcast entity unique for much more than its operating hours.

CKUA is actually a combined AM and FM network that serves 80 per cent of Alberta's population. It's been on the air for 74 years -- started, in short, as a public broadcaster almost a full decade before CBC Radio started -- but never between the hours of 2 a.m. and 6 a.m. Unless, that is, the current morning announcer Cam Hayden arrives early and throws on a classical disc -- one that might very well be an LP. The station relies heavily on its 60,000 vinyl albums, considered one of the deepest jazz and classical music collections in the country. Occasionally it even dips into its 10,000-piece library of 78s.

There's a panoply of such quirks at CKUA. With a block programming schedule that careers from classical to country, bluegrass to jazz and reggae to rock, the non-profit station is a throwback to the mythic mid-sixties era of radio, when FM announcers still prepared their own peculiar playlists and commented upon them not in zingers, but in thoughtful paragraphs.

CKUA is also distinguished by its zealous listeners, who literally resurrected the station from the dead and keep it alive in a unique fashion.

CKUA was launched in 1927 by the University of Alberta's faculty of extension to broadcast evening lectures by professors. During the forties, it was owned by Alberta Government Telephones, whose minister staved off commercialization by thundering that it was "the last outpost of radio freedom in Canada."

In 1994, after two decades as part of ACCESS, Alberta's

educational radio and TV network, CKUA was privatized. Three years later, its then-board of directors had spent early \$4-million in transitional funds granted by the province, and saw little likelihood of raising the revenue to continue. So they turned off the transmitters.

But during five weeks of dead air, the station was revived by a grassroots campaign of volunteers who popped up across the province and orchestrated a rescue via the Internet and the media. The next month, listeners pledged \$1.2-million during a two-week fundraiser.

Today, more than half of CKUA's \$2.2-million annual budget flows in through an audience-subscription plan. Approximately 7,000 listeners donate between \$10 and \$100 every month by automatic debit of their credit cards. "We tell people, if you're listening to this station, you must like it, so why not pay to keep it coming? Just like you pay for your newspaper," says Dunsmore.

With \$200,000 more collected in one-off pledges during its spring and fall fundraisers, some corporate sponsorship, a modest fee for being the broadcaster of Alberta's emergency public-warning system and \$600,000 in limited advertising -- no more than six minutes of advertising per hour -- CKUA has become a rare beast. It's a wildly alternative, professionally run radio station with a future.

Even more surprisingly, it appears to have reversed provincial government thinking on some public support. But despite the possibility of new government assistance, the station faces daunting financial challenges ahead, with \$8-million to \$10-million needed to replace 17 ancient transmitters and an increase to market value of previously nominal rent and utility bills.

Unlike Toronto's CJRT-FM, which lost its \$1.3-million provincial grant in 1996 and in January of this year dropped its classical and folk programming as a survival tactic to become JAZZ-FM 91, CKUA revels in its idiosyncratic programming. Besides its renegade playlist, it broadcasts such information-laden series as The Long Weekend, a history of popular music between the First and Second World Wars, and Heritage Trails, a 500-part series of three-minute vignettes on the history of Alberta.

The key to CKUA's continued existence is not only such resolutely non-commercial focus, but its brain-power, says Dunsmore. The Long Weekend's co-creator, David Gregory, is an Athabasca University professor. His first series, From Ragtime to Rolling Stones, is in reruns 20 years after it began and still receives approving listener comment. Then there's CKUA's roster of erudite announcers, many of whom have been with the station for decades. The longest-serving is Jack Hagerman, who hosts a Sunday afternoon big-band show as The Old Disc Jockey. He joined CKUA in 1949. Dunsmore, 51, himself converses knowledgeably about such cutting-edge world-music artists as Eliades Ochoa.

"Philosophically, I think people are tired of being steamrolled by pop culture," Dunsmore says. "There's a significant number of people who are tired of Disneyfication, who are tired of the white-bread mentality and want some sort of substance."

Ye editor sends along the following:

KXEX follows KAVT to English format

By Rick Bentley The Fresno Bee

(Published April 26, 2001)

KXEX, AM 1550, has switched to an English-language talk and sports format. The station, owned by RAK Communications, has provided Spanish-language programming for more than 30 years. Last month, RAK Communications switched another station it owns, KAVT, AM 1680, from a Spanish-language format to English-language Radio Disney. Tony D'addato, the new KXEX program director, says he's happy Spanish-

language programming still is offered on the other RAK stations -- KQEQ, AM 1210, and KKQX, FM 102.3. That made it easier for him to make the format switch on KXEX. KXEX's new weekday lineup will include nationally syndicated talk shows that feature a mixture of chat about politics, sports and news happenings. Don Imus, who is based in New York and has been a radio personality for nearly 40 years, will be on 3-9 a.m. G. Gordon Liddy, who rose to fame during the 1970s for his involvement in the Watergate conspiracy, will be on 9 a.m.-noon. Don & Mike, a pair of New York-based shock jocks, will air noon-4 p.m. Tom Lykis, a Los Angeles-based host who specializes in political and social commentary, will be on 4-8 p.m. "The problem with the talk format on the West Coast is that it is always getting pre-empted by sporting events on the East Coast. I wanted to have a station where the talk programs would not be interrupted," D'addato says. In addition to being program director at KXEX, D'addato is part owner and program director at KFIG, AM 1430, which airs mostly sports programs such as San Francisco Giants games. On occasion, he will be able to put sports programs on KXEX when he can't air them on KFIG. That might include hockey and auto racing. Radio work Some area residents had a difficult time hearing KMJ, AM 580, during the past week. That's because technical changes were being made at the radio station to boost its power from 5,000 watts to 50,000 watts. The increased power for the local talk radio station will create a stronger signal and extend the station's range. "We are basically making the change for Fresno listeners. Some people cannot hear us because our signal cannot penetrate buildings downtown. This change should take care of that," says John Broeske, KMJ program director. Making such a change is not just a matter of flipping a switch. The process requires a change to a new transmitters and a gradual increase of the power over a week or so to allow for testing until it reaches 50,000 watts. The slow process caused the KMJ signal to be lost in some areas of the Valley. The station was never totally off the air. Broeske wouldn't give an exact date for the completion of the change but expected the work to be done this week.

Radio Disney brings Mickey Mouse to the Valley

By Rick Bentley The Fresno Bee

(Published March 8, 2001)

Al Perez is running a Mickey Mouse operation. Perez is general manager the new KAVT, AM 1680 -- better known as Radio Disney. He has spent the past few weeks the station has been on the air traveling to Los Angeles for training sessions with Disney. Disney lays down strict rules when it comes to running and promoting its radio affiliates. The family-friendly format features music and programming for children and young teens. "This is the only radio niche in the market that targets children with safe programming. Parents don't have to worry if their children are listening to the station," Perez says. It's difficult for parents to find a radio station that plays music appealing to young listeners and does not allow on-air personalities to chat about topics not suitable for children. Because Radio Disney prohibits discussion of sex and the use of profanity, parents should be glad to have this option the next time they're looking for a station to listen to while driving the kids to school. Perez also is general manager of Spanish-language radio stations KXEX, AM 1550, KQEQ, AM 1210, and KKQX, FM 102.3.

Gary Jackson of Sacramento, CA. passes along the following:

Talked to head of Caltrans at 1300 today (5/23/01-ye ed.) and they have new super TIS/HAR going in on 840 khz. in Oakland, and another in Yreka on 1610. Oakland Should be on this week, Yreka soon.



Merced 1660 (KAXW-ye ed.) has been testing days, as I verified them several weeks ago. Now that KMJ has gone to 50000 watts, Clovis 1630 (KBEG-ye ed.) should be next to come on air.

Dennis Gibson of Santa Barbara, CA. passes along the following:

(Ye editor): On your local front, is 850 Thousand Oaks really truly still KACD and running Worldclassrock.com?

(Dennis's reply): As of a few days ago, they were still running worldclassrock.com, but I don't stick around for the TOH ID's. I'll check it out and let you know.

Well, ye editor has himself a new job, I'm starting a job just north of San Jose in Palo Alto, CA. starting Monday July 9th. More details as they develop... congrats to the new BoD in IRCA! '73's.

FORMAT CHANGES: (#2)

AL Prichard	WKSJ-1270	was AS, now talk
CA Bakersfield	KZTK- 970	was CHR//KIIS-FM, to be talk (June) (1st day on air was 6/4-ye ed.)
CA Hemet	KSDT-1320	was silent, now reg. Mexican//KKRS
CO Denver	KLZ - 560	was AS, now oldies
CO Denver	KLVZ-1220	was oldies, now AS (KLZ and KLVZ swap frequencies)
IN East Chicago	WWCA-1270	was SS AS, rptd. silent
MT Great Falls	KEIN-1310	was country, now WW1 AS
NC Carolina Beach	WMYT-1180	was silent, to be SS cont. Xtian (June)
WA Seattle	KKNW-1150	was KSRB, R&B oldies, now CNN news
AK Soldotna	KSRM- 920	was talk, country, now talk
AZ Williams	KYET-1180	was silent, now Jones classic country
CA Salinas	KTXK-1460	was nx, to add talk (June)
CO Dillon	KHTH-1130	was silent, now Jones oldies
CT New Britain	WNEZ- 910	was urban contemp., now tropical //WLAT (WLAT tropical format will move here exclusively by June, and WLAT will adopt new TBD format)
FL Bithlo	WNTF-1580	was talk//WPGS, rptd. silent (off pending sale)
FL Inverness	WINV-1560	was country//WXOF, rptd. silent (off pending technical upgrades)
FL Tallahassee	WTAL-1450	was silent, now talk, oldies (Imus morning drive, locally produced oldies format overnight)
IA Des Moines	KKSO-1390	was nx//KBGG, rptd. silent (KKSO license returned to FCC now that Xband KBGG-1700 is established)
KS Dodge City	KDCC-1550	was variety, SS, now CNN Headline nx, SS
KS Hays	KAYS-1400	was oldies, sports, now talk, sports
KS Larned	KNNS-1510	was AS, now ESPN sports
MO Warrensburg	KOKO-1450	was stds., talk, drops talk
MT Wolf Point	KVCK-1450	was Jones CD C&W, now Jones oldies
ND Grand Forks	KKXL-1440	was AS, adds talk
OR Brookings	KURY- 910	was talk, now Jones AS
SC Walterboro	WALD-1080	was R&B oldies, rptd. silent
TX Jacksonville	KEBE-1400	was talk, sports, now classic country
UT Provo	KOVO- 960	was silent, now sports
WI Stevens Point	WSPT-1010	was talk, adds Imus mornings
WY Cheyenne	KFBC-1240	was AC, sports, now nx/talk
WY Laramie	KLDI-1210	was oldies, talk, now classic country

NEW STATION APPLICATIONS:

GA Moultrie	1400	no facilities given
GA Waycross	1230	no facilities given
OR Bend	1170	no facilities given
NY Gloversville	1440	no facilities given

CONSTRUCTION PERMIT ACTIVITY:

CA San Luis Obispo KGLW-1340 dec. to 790/790

FACILITY & PARAMETER APPLICATIONS:

MA Ashland	WJLT- 650	inc. to 2000-D, DA-D vice ND-D
OK Muskogee	KMUS-1380	inc. to 20000-D, DA-2 vice DA-N
TX Farmersville	KXXL- 990	dec. to 7000/940
IL Pekin	WVEL-1140	dec. to 3200-D

FACILITY & PARAMETER GRANTS:

CA Beverly Hills	KJAZ-1260	inc. to 20000/7500
CO Boulder	KWAB-1490	dec. to 870/870
MD Baltimore	WWLG-1360	move to 1370 khz., 21000-D, DA-D vice DA-2
NB Woodstock	CJCI- 920	move to 104.1 FM
NS Truro	CKCL- 600	move to 99.5 FM
ON Bancroft	CJNH-1240	move to 97.7 FM
ON Timmins	CKGB- 750	move to 99.3 FM

CALL LETTER CHANGES:

CA Bakersfield	KZFM- 970	becomes KZTK "Kiss"
GA Calhoun	WKEP-1110	becomes WEBS
IL Zion	WDDZ-1500	becomes WPIX "La Campeona"
NC Wilson	WALQ-1420	becomes WVOT
RI Pawtucket	WICE- 550	becomes WDDZ "Radio Disney"
CA Escondido	KSPA-1450	becomes KFSD
CA San Bernadino	KCKC-1350	becomes KEWS "The Inland Empire's Only News Talk Station"
CO Grand Junction	KSTR- 620	becomes KJOL "Star 96.1"
FL Gainesville	WWLO-1430	becomes WTMN "Hot Talk 1430"
NJ Salem	WNNN-1510	becomes WFAI "Faith 1510"
VA Moneta	WVLR- 880	becomes WCVQ "The Cove"

INDIVIDUAL CONTRIBUTIONS:

Note on credits: \*\*\* = via nrcdxas site used by permission. All others are self-contributed or through IRCA E-groups.

John Sampson \*\*\* (location unknown) sends along the following:

Per article in today's Minneapolis paper, KSGS, 950, changed format and calls today. New call is KDOW, format is business news.

Kevin Redding of Mesa, AZ. passes along the following:

KPLS 830 Orange, CA has changed formats from Catholic Radio to sports and is not dropping to night power. They have been blast furnace hot the last two nights. If you haven't heard them, this may be your night (they're a pest for me-ye ed.)

Willis Monk \*\*\* of Collegedale, TN. sends along the following:

Here's one for you folks to ponder. With all the talk about how bad Clear Channel is, I was listening to WLW-700 Saturday night, from 2330 to 0000 EDST, and was truly amazed as what I heard.

This is something new for me, total porn radio. That's right, true porn radio. A woman on a call in talk show, she is the host, on WLW was giving in great (and I mean in VERY GREAT detail) how to get a women off sexually. She wasn't missing a trick. She did not miss any

details on how to do it. (But, there wasn't anything I hadn't already known)

For any women who might be listing, same as how a women was to give extreme pleasure to a man. At the top of the hour she, the host, gave the following ID-- "Your listing to 700 WLW the big one." Which seem to fit in with the topic.

I personally believe this country does not need this type of programming on public radio. But it is where this country is gone, it is what sells.

Here in the Chattanooga market, Clear Channel owns WUSY (US101) and their on air people are foul mouthed. But they are said to be number 1 here in the Bible belt.

Pat Martin of Seaside, OR. sends along the following:

920 KGHO WA, Olympia, heard testing at 1830-1850 EDT 5/31, running non-stop PSAs and a quick "KGHO-Olympia" ID inbetween the PSAs at 1848 EDT. Stronger than before, so they must be on at least 3 KW. At the moment (1856 EDT) they have an OC.

Bruce Portzer of Seattle, WA. adds to above:

Back on the air with oldies and jingles/recorded IDs (including one about serving Olympia for 45 years). No live announcements, ads, or PSAs while I type this 2021 EDT 6/3. I wonder how long they'll last this time?

"Tom" \*\*\* (no last name, location unknown) sends along the following:

1460 Harrisburg Pennsylvania is now WTKT, the ticket, with Fox Sports Radio also carrying Philies baseball and NASCAR racing.

1460 had been WWKL carrying WWKL FM 99.3 oldies and Philies baseball and NASCAR racing.

Ye editor passes along the following:

Checked 1220 khz. this morning, Palo Alto is still KBZS, business talk mornings and motivational talk afternoons, hasn't changed calls, frequencies or formats or anything yet Despite sale to Salem Communications a few weeks ago...

33 days and counting till I start my new job in Palo Alto, CA!  
Will let you know my new Email address as soon as I know it myself, if anyone is interested.. 73's.

\*\*\*\*\*  
FCC

Lee J Freshwater 414 S.E. 3RD ST, OCALA, FL 34471  
E-mail ENGWTRS@aol.com

NEW CALL	CALL SIGN CITY AND STATE	CHANGES	FREQUENCY *	FORMER CALL
WDDZ	PAWTUCKET, RI		550	WICE
WTNT	BETHESDA, MD		570	WWRC
KJOL	GRAND JUNCTION, CO		620	KSTR
WCVQ	MONETA, VA		880	WVLR
KZTK	BAKERSFIELD, CA		970	KZPM
WDBF	JUPITER, FL		1000	WDBE
KCAA	LOMA LINDA, CA		1050	KBBV
WEBS	CALHOUN, GA		1110	WKEP
KTRA	DALLAS, TX		1190	KJOI
WHMQ	GREENFIELD, MA		1240	WHAI

WWRC	WASHINGTON, DC	1260	WGAY
KTF	SPRINGFIELD, MO	1260	KTTS
KEWS	SAN BERNARDINO, CA	1350	KCKC
WVOT	WILSON, NC	1420	WALQ
WTMN	GAINESVILLE, FL	1430	WWLO
KFSD	ESCONDIDO, CA	1450	KSPA
WLAM	LEWISTON, ME	1470	WZOU
WPJX	ZION, IL	1500	WDDZ
WFAI	SALEM, NJ	1510	WNNN

\*\*\*\*\*  
WESTERN DX ROUNDUP

Editor: Nancy Johnson 265 Waterton Way - Billings MT 59102-7755  
Electronic Mail: NancyJohnson@prodigy.net  
WDXR DEADLINES: Fri. July 20 & Wed. Aug. 15. Please use Eastern Time.

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- (RW-CO) DX'ing in Colorado Springs, CO with GE Superadio

\*\*\*\*\*  
OF SPECIAL INTEREST

- 920 \*KGHO\* WA, Olympia 5/31 heard testing 1830-1850, running non-stop PSA's and a quick "KGHO Olympia" ID between the PSA's at 1848. Stronger than before, so they must be on at least 3kw. At the moment (1856) they have an open carrier. (PM-OR)  
+Back on the air with oldies and jingles/recorded ID's (including one about serving Olympia for 45 years). No live announcements, ads or PSA's while I type this 2021 6/3. I wonder how long they'll last this time? (bp-WA)
- 970 \*KZTK\* CA, Bakersfield 6/4 0726 testing with loop tape, ID "A new talk station is coming, 970, KZTK, coming Monday..." over/under mess. Ex-KZPM for me. (RW-CA)
- 1150 KKNW WA, for the 6th time (at least) 1150 Seattle changed again. They are now KKNW, with ID's as "News channel 11-50" at 0150 6/6, and then again at 1455 6/6, promos for programs, CNN news, etc. When I first heard them they were KAYO, then KSPL, KGNW, KEZX, KSRE, and now KKNW. The KKNW calls have made their rounds too. In the early 80's Mountlake Terrace-1510 had them, a couple

- years ago 1290 Port Angeles had them. (PM-OR)
- 1260 HAR AZ, Mesa We have a new AM target here in town. The first test of the US 60 HAR in Mesa was conducted 6/12 between 1200 and 1220. There is a loop running with three test messages on it. Give it a shot. They are running 10kw. There is no ID as yet. (KR-AZ)
- 1350 KEWS CA, San Bernardino 6/2 1757 at always good daytime level with L.A. Dodgers vs Houston Astros baseball feed from KXTA-1150. Call letter ID and spot for Mark Christopher Chevrolet and GMC Safari. Ex-KCKC. New for me. (MS-CA) +6/4 0924 ex-KCKC with ad for chef's competition event "Taste of the Inland Empire" at the New California Speedway... brought to you by AM 1350, KEWS." Call change for me.
- \*\*\*\*\*
- 540 CBXQ BC, Ucluelet still a regular all day long on the coast after 30 years of hearing this 40 watt LPRT. Still runs about S-5 days // 690. Being 250 miles from CBXQ, it is surprising how well this LPRT gets out. At 1450 6/12 I remember hearing this on the car radio driving south along the coast to CA border in 1970 and we lost it about Crescent City, CA. Unbelievable. (PM-OR)
- 560 KLZ CO, Denver 5/21 2000 apparently first day with new format ex-1220 but did not change calls from KLVZ. ID as "Fabulous 5-60, KLZ," promo for the K-Love info line, ID on hour "52 degrees, (50's style PAMS sung jingle) AM 5-60, KLZ, Denver!" (RW-CO)
- 580 KRSA AK, Petersburg 5/31 fair on top of jumble with satellite Christian AdCon music, ID at 0601 "580, KRSA, Petersburg, Alaska." Back into music. (PM-OR)
- CKUA AB, Edmonton 6/9 0100 heard male give s/off and legal ID. Choppy signal with unID's. New. (GH-OR)
- 590 KSUB UT, Cedar City 6/8 0100 with a top of the hour ID and CBS news about Timothy McVeigh. These guys are rare at night and were very strong into Mesa. (KR-AZ)
- 670 KDLG AK, Dillingham 6/8 heard mixing and on top of KBOI with old rock (Lay Down, Candles in the Rain) by Melanie and (Take the Long Way Home) by Super Tramp, KDLG ID by local sounding DJ at 0525. Quite a surprise to hear this in June! Unneeded, but never heard in summer. (PM-OR)
- 680 KFEQ MO, St. Joseph happened to give ID as I was tuning past at 2358 on 6/1 with baseball. (I phoned station and found out it was K.C. Royals game) KKGR-MT had s/off and KNBR-CA hadn't faded in yet and there was essentially no QRM. New. (LG-MT)
- KOMW WA, Omak 6/2 2358 played oldies then s/off very weak with QRM from CJOB, but much stronger 6/4. Interrupted Mariners baseball to s/off 6/12 at 2357. Male vocal SSB followed. (LG-MT)
- 690 KECN ID, Blackfoot left Daybreak USA to ID at 0800 6/11. Slogan was "Conservative Talk Radio." Weak, but I think it was on 1kw day power. (LG-MT)
- KGGF KS, Coffeyville 5/22 0028 very good with "KGGF Weatherwatch," then "Color radar weather," ID "AM 690. KGGF." Leaves carrier on all night after they s/off apparently, as loud carrier on 690 later and no trace of them... (RW-CO)
- 730 KKDA TX, Grande Prairie 5/22 0010 good over jumble thru KVOR-740 splash with ID "...hear it first on AM 730, KKDA." (RW-CO)
- 790 KXXX KS, Colby 5/21 1952 good with ID "K-triple X and KQLS,"

promo to avoid drunk driving in Kansas. (RW-CO)

WAYY WI, Eau Claire 5/22 0500 fair on top of ?KFYO? with ID "News you can depend on, AM 790, WAYY, Eau Claire," ABC news. Surprised to hear this. (RW-CO)

810 WHB KS, Kansas City 5/22 0556 good, alone with promo for Kansas Broadcasters Association. (RW-CO)

820 TIS CA, Los Angeles Hollywood Bowl open carrier heard in car in area at night last week about 6/6 or 6/7. (GL-CA)

830 KPXS CA, Orange has changed formats from Catholic Radio to sports and is not dropping to night power. They have been blast furnace hot the last two nights. If you haven't heard them, this may be your night. (KR-AZ)

860 ?KPAM? OR, Troutdale assumed the strong station relaying KGAL-1580 Corvallis with its call ID at 0755 6/8. It was a local Oregon talk show. (LG-MT)

920 KARN AR, Little Rock 5/22 0605 good over mess with ID "Newsradio 920, KARN, Little Rock." (RW-CO)

KPSI CA, Palm Springs 6/4 0704 strong with ID Rush Limbaugh, on newstalk 920, KPSI." (RW-CA)

KLMR CO, Lamar 5/21 2030 good with ad for Cooks Floor and Wall "Serving southeast Colorado for 50 years," ID "In your car, set a button now, to AM 920, KLMR," C&W format. (RW-CO)

930 KTKN AK, Ketchikan 5/31 0545 good on top of jumble with weather for SE Alaska, ID, and music promos "KTKN," ID at 0559:50 "AM 930, KTKN Ketchikan." (PM-OR)

970 KNWZ CA, Coachella 6/4 0700 good over mess with ID on hour "Newsradio for the desert southwest, AM 970 KNWZ, Coachella, AM 1140 KNWQ Palm Springs." Good conditions to Palm Springs area this morning! (RW-CA)

1040 KCBR CO, Monument 5/21 1957 using top of hour slogan "Victory Radio 1040, KCBR." (RW-CO)

1060 KLMO CO, Longmont 5/24 0323 didn't know they were on at night, with ID "Radio Colorado Network," ID "You're on AM 1060, KLMO," talk show. What other stations are on this network? (RW-CO)

1050 KTBL NM, Los Ranchos de Albuquerque 5/24 0320 fair in XEG null with ad for OK Casino, 20 miles north of Espanola, ad for 2001 unitynewmexico.org. ad for Boston Market, ID "KTBL, AM 1050, Classic Country," no longer sports. (RW-CO)

CICF BC, Vernon 4/20 0100 many "Mix 105" ID's and C&W music. (GH-OR)

1150 CKBL BC, Kelowna 3/25 0100 C&W music, with fair signal. (GH-OR)

1170 CKGY AB, Red Deer ID'd at 0757 6/13 for FM only with call and slogan "Entertainment Country." Hasn't left AM yet! (LG-MT)

1210 KPRZ CA, San Marcos 6/4 0647 with local "Positive Talk Radio" and an ad for "Christian Pirate Radio." Doesn't sound like a Christian thing to be pirate radio. Hm... (KR-AZ)

1220 KBZS CA, Palo Alto 6/6 1300 still using these calls and no change in format yet, with business talk, ID on hour "Business news all morning, success all afternoon, we're AM 1220, KBZS, Palo Alto-San Francisco-San Jose-Oakland." (RW-CA)

?WKNR? OH, Cleveland believed the ESPN station in & out 6/10 from 2257-2300. My antenna was pointed east-west. Some QRM from XEB only. (LG-MT)

1230 KORT ID, Grangeville s/on at 0756 on 6/5. (LG-MT)

- 1260 CBPU BC, Pacific Rim Park 6/6 this is now much more audible than two months ago. Heard throughout the Long Beach unit of the park on the Toyota car radio, and audible in Tofino with a slight SAH during the daytime. So Oregon coast and offshore DX'ers can go after it again. Eric Floden (who works for Parks Canada) said he would mention its former weak signal to the powers that be. Obviously he is a DX'er with clout. (NHP-BC)  
 +At 25 or 50 watts, this one is much weaker than CBXQ-540, mostly buried under KCYX McMinnville, OR (1kw) days, but can easily be brought up phasing out KCYX with non-stop weather info for Vancouver Island. Being a water path does help these flea power transmitters, noted at 1910 6/12. (PM-OR)
- 1270 CHAT AB, Medicine Hat 6/7 0030 man said you're listening to "New Country 1270 CHAT." Fair to poor mixing with unID. (GH-OR)
- 1290 KOUU ID, Pocatello strong with C&W and call ID at 0800 6/9. Local KGVO was off. (LG-MT)  
 (KGVO) MT, Missoula was off at 0800 6/4 and 6/9, probably due to power outage. Noted back on at 0857 both days. (LG-MT)
- KIKN WA, Port Angeles 6/7 0050 woman gave "Kickin Country" ID. Moderate signal barely atop KPAY with some KUMA(?) splatter. (GH-OR)
- KOWB WY, Laramie snuck through pause on KOUU with call ID at 0800 6/9, with KGVO off. New. (LG-MT)
- 1300 KROP CA, Brawley 5/19 0747 classic C&W playing George Jones "The Corvette." ID as "When you want it real, real, bad, KROP 1300." Probably one of the worst slogans I have heard. This one was possible because this morning KXAM was running open carrier. Wasn't this KKSC not too long ago? (KR-AZ)
- KUBL CO, Colorado Springs 5/24 0300 noted with top of hour ID "You've got a hold of the Bull, KUBL 1300 Colorado Springs, we're 1300 AM, the Bull," overmodulating horribly, spurs noted from 1240-1360! (RW-CO)
- KLER ID, Orofino had open carrier, then very brief s/on announcement (no anthem) at 0800 6/4. Poor signal considering the distance and time. (LG-MT)
- 1310 KEIN MT, Great Falls 6/7 0100 faint ID out in the slop mixing it up with unIDs. Suddenly overtaken by CHLW which usually dominates. (GH-OR)
- 1350 KEWS CA, San Bernadino 6/4 0924 ex-KCKC with ad for chef's competition event "Taste of the Inland Empire at the new California Speedway, brought to you by AM 1350, KEWS." Call change for me. Also listed in new M Street with these calls. (RW-CA)
- 1400 KBJM SD, Lemmon was dominant at 2258-2300 5/20. Man gave news and weather for ND cities of Fargo and Minot, then ID'd and s/off. New. (LG-MT)
- KSRRT UT, Provo played oldies across the hour, then ID'd at 2301 5/28 as "1400, K-Star is KSRRT, Provo." Good signal. (LG-MT)
- 1420 KULY KS, Ulysses 5/24 0305 fair over mess with weather for SW Kansas, ad for digital weather station, ID "AM 1420, KULY." (RW-CO)
- 1460 KKCS CO, Colorado Springs 5/22 0035 noted with slogan "Back to Laura Ingram on Hot Talk 1460, Entertaining Talk Radio." (RW-CO)
- 1490 ?CJSN? SK, Shaunavon assumed the strong one at 2300 on 5/27.

- "The Gospel Hour" ended, then provincial weather with no ID followed. This station really gets out. (LG-MT)
- 1500 TIS CA, Beverly Hills past few months have heard this faint, readable on car radio in only certain spots here in Burbank. (GL-CA)
- 1530 KCMN CO, Colorado Springs 5/21 2038 noted using 50's style PAMS jingle as well similar to KLZ as "Legends 1530, KCMN," but no mention of KLVZ, so don't think they're simulcasting 1220... (RW-CO)
- 1540 ?KZMP? TX, University Park 5/27 2318 under XEHOS "La Poderosa." This station is apparently // to 101.7 in Ft. Worth (Azle) and going by Radio Tricolor and La Mexicanissima. They play mostly ranchera, some bands and little nortena. (KR-AZ)
- 1550 KKJY NM, Albuquerque (Los Ranchos) 5/24 0215 good over mess with NOS music, ID "The all new Joy, 1550 AM," ID later as "Joy 1550 AM, K-J-Y," ad for cafe in Rio Rancho, long ID later in 40's style sung jingle "Around the clock, it's musical magic, timeless music, around the clock, all the music you remember, Joy 1550 AM, K-J-Y." Their CP is listed as 5000/120 ND per M Street, assume this is ex-1520? (RW-CO)
- 1600 KUBA CA, Yuba City seemed to s/on at 0800 5/26. There was a brief announcement after open carrier. QRM from two Spanish-speakers, probably KSGO and KGST. (LG-MT)
- KCKK CO, Lakewood 5/24 0226 strong over mess with ID "Classic Country 16 Kicks." (RW-CO)
- 1610 KALT TX, Atlanta 5/22 0031 suspected good, alone with sports, NBA scores, SRN sports. (RW-CO)
- ?TIS? WA, Tri-Cities was, I believe, the station giving weather for the lower Columbia basin at 0751 on 5/29. I've heard it with this format before. (LG-MT)
- 1650 (KFOK) CA, Long Beach 6/4 0630 apparently totally off. (RW-CA)
- KCNZ IA, Cedar Falls 6/4 0635 good over KBJD with ID "KCNZ, AM 1650," ad for Geico Insurance, talk about trucking industry. Most-wanted, new, been trying for this for a long time! (RW-CA)
- 1670 KNRO CA, Redding 6/8 0100 "ESPN Sports Radio KNRO Redding" ID and sports talk programming. Good signal all by itself. New. (GH-OR)
- 1690 \*----\* CA, Montebello 5/25 all day, field measurements for new 1500 in progress. Per call from Pres./GM just before 3pm, says 1kw ND. Over weekend was told work to begin on putting 97.7 KRCK Mecca (ex-Indian Wells) on air with music. Unsure where that studio will be. Believe 1690 testing was done also on 5/24. Heard open carrier, no ID's, splash from 1700. Finished testing on 6/7 and haven't heard open carrier here since. There are 5 total towers planned at site. (GL-CA)
- KSXX CA, Roseville gave legal ID in English at 1000 on 5/21. It was much stronger than KFBK-1530 with 1/5 the power, but this was unusual. (LG-MT)
- 1700 TIS CA, Burbank 6/11 & 6/12 only open carrier, no tape loop heard all day. (GL-CA)

#### UNIDS

- 690 Oldies station, mixing with KOMW, with syndicated program "Doo Wap Heaven" at 2356 on 6/10. Not KWKA-NM (I phoned). I think KKGR-MT had left the air; usually it's quite strong here, unless it was on PSSA. (LG-MT)
- 990 6/6 2330 CBC programming with no ID's. Ideas? (GH-OR)



Be sure to check the WDXR deadlines listed at the beginning of the column, the August deadline is Wednesday the 15th. Nancy 6/15/01 2300

IRCA 2000-2001 "Pick-A-Pair" DX Contest FINAL STANDINGS

- 1. Pete Taylor (CA,AB/1240,1490) 127
  - 2. Nancy Johnson (CA,WA/1340,1490) 76
  - 3. Don Kaskey (ID,WA/1240,1490) 50
  - Nigel Pimblett (CA,WA/1240,1400) 50
  - 5. Phil Bytheway (CA,MT/1340,1450) 40
  - 6. John C. Johnson (CA,CO/1340,1400) 30
  - 7. John Tudenham (TX,CO/620,1070) 10
  - 8. Mike Sanburn (UT,WA/1000,1400) 8
- \*Contest manager not eligible to win the contest.

The "Pick-A-Pair" contest is over. Congratulations to Pete Taylor! Pete wins a \$5.00 IRCA Bookstore Gift Certificate! Thanks to everyone who entered. There will be a new contest starting in September. --Nancy.

\*\*\*\*\*  
CENTRAL DX ROUNDUP

Editor: John C. Johnson  
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RIDING GAIN

- [NJ-MT] Nancy Johnson, Billings, MT nancyjohnson@prodigy.net  
Yaesu FRG-7, Kiwa loop.
- [JJR-WI] John J. Rieger, South Milwaukee, WI johnjrieger@webtv.net  
Icom IC-R75, Kiwa loop, GE Superadio III, Terk AM1000 loop.

DOWN THE DIAL

- 680 KFEQ MO, St. Joseph. 6-9 fair, alone. 05:20 with toned downed announcer with weather. [JJR-WI]
- 1260 WNXT OH, Portsmouth. 6-9 poor, but alone, steady. 04:40 with station promo. NOS format. NEW! [JJR-WI]
- 1490 WTIQ MI, Manistique. 6-4 poor. 22:09 with mention of '10 in a row on Cruisin' 14-90 WTIQ." Oldies format. [JJR-WI]
- WZOE IL, Princeton. 6-4 poor. 21:33 with "14-90 WZOE" ID in mess. [JJR-WI]
- 1570 KVTK SD, Vermillion. 5-30. 23:04 at end of weather report with "That's the weather from the Ticket KVTK Vermillion." [NJ-MT]

25 YEARS AGO

June 12, 1976 issue of IRCA's "DX Monitor" ... Karl Forth of Villa Park, IL said he was 20 and a second year student at the College Of DuPage in Glen Ellyn, IL ... William Trubee of Kealakekua, HI said he just completed a Wedge Loop thanks to plans from Charles Wolff ... Mike Sanburn of Bellflower, CA said the proposed 17 cent first class postage increase was too much and that no wonder the USPS wonders why nobody writes anymore ... Father Jack Pejza of Modesto, CA talked about the Radio Historical Society Of America.

OPEN MIKE

The summer is here! Thanks to Nancy and John we have a column, not much, but it is a column. This was typed 6-16-01. 73, John

\*\*\*\*\*

DX WORLDWIDE WEST / TROPICAL BAND DX

Patrick Martin - PO Box 843 - Seaside OR 97138  
E-mail: mwdxer@webtv.net

Hope everyone is having a great Summer. DX along the Oregon Coast has been rather poor. Several guys made the trip out to Grayland WA, but the propagation was poor. They did manage to log some DU/TP though. Also we have a few tips from Kevin Redding. So away we go.

PAN-AMERICAN DX ROUNDUP

- 1430 MEXICO, Cd. Obregon, Son. XEOX at 0400 UTC w/ID. They were running // to FM 106 and now plays EE rock from the 80s. Calls itself "Oh Eck-ees". (KR-AZ)  
1500 MEXICO, Mexico City, XEDF 6/4 1130 UTC w/ID slogan "Mil Quienentos, Cadena Radio Uno." Was very weak. (KR-AZ)

TRANS-PACIFIC DX ROUNDUP

Don Nelson, Walt Salmaniw and John Bryant spent Memorial Weekend at our DXpedition site at Grayland, WA. Walt and Don largely concentrated on SWBC DX, while John tried to swim against terrible MW propagation to hold up the MW DX end of the stick. The MW propagation conditions were the worst that John experienced on the Pacific Coast since a truly terrible camping-DXpedition with Guy Atkins and Nick Hall-Patch at Jordan River, BC just after the peak of the last solar cycle. At least this time there were toilets, beds, and refrigerators. The first night of "DXing" May 26 yielded a handful of trans-Pacific "hets" and hour instances of threshold audio. The following two nights yield slight improvements in results each night, with the last night-May 29-yielding the only multiple loggings of Aussies, again at threshold levels. The fellowship was grand as usual, but the entire affair will certainly serve as a contrast when conditions once again enable our usual excellent results from this site. The following loggings list reads much better than it actually was!

- 567 JAPAN, Sapporo JOIK, 5/27 1128 to 1155 hrd at low levels w/trid. Noh drama and brief stylized Noh singing by male actors. Typical Saturday night cultural fare on NHK 1 Network. Fair to poor levels. Also noted at similar time period on 5/28. (JB-WA)  
585 JAPAN, Kushiro JOPG 5/28 1145 This 10 KW NHK outlet east of Sapporo was noted // to 567 NHK 1 Sapporo briefly at fair to poor levels. (JB-WA)  
702 AUSTRALIA, Sydney 2BL 5/29 1132 noted with threshold level Aussie talk by males. (JB-WA)  
738 TAHITI, Papeete, RFO 5/26 0925 was the most consistent logging of the DXpedition. Noted audio each night and peaking at dawn enhancement around 1200 UTC with RFO news in FF (JB-WA)  
747 JAPAN, Sapporo JOIB 5/28 1137 to 1150 was noted with advanced English language lessons at fair level. (JB-WA)  
774 AUSTRALIA, Melbourne 3L0 (presumed) 5/29 1234 hrd very poorly with Aussie talk by males. (JB-WA)  
774 JAPAN, Akita JOUB 5/28 1139 to 1150 noted in // to JOIB-747 at lower level. (JB-WA)  
792 AUSTRALIA, Brisbane 4RN (presumed), 5/29 1240 noted running light music show hosted by a male DJ. Fair to poor (JB-WA)  
828 AUSTRALIA, Sale 3GI (presumed), 5/29 noted with discussion of finance by males. Good level very briefly (JB-WA)

- 954 AUSTRALIA, Sydney 2UE (presumed) 5/29 1250 hrd very poorly with male Aussie talk (JB-WA)
- 1287 JAPAN, Sapporo JOHR 5/26 1120. This key station of the HBC peaked briefly to low audio levels with a sports report in JJ (beisbol) (JB-WA)
- 1475 MALAYSIA, EAST Kota Kinabalu RTVM 5/28 1245. This hold-out on the odd freq. noted as a very strong het only. (JB-WA)
- 1503 JAPAN, Akita JOUK (presumed) 5/26 1210 noted with modern ballad in JJ at threshold level. (JB-WA)
- 1548 AUSTRALIA, Emerald, Qsd. 4QD (presumed), 5/27 1210-1228 with Radio Australia discussion program. Fair level. (JB-WA)
- 1566 REP. OF KOREA, Cheju Island HLAZ, was noted at very low levels with typical FEBC rel. prog. each morning of the DXpedition in the 1145-1200 "max dawn" period. (JB-WA)
- 1683.2 AUSTRALIA, Sydney 2ME (presumed) 5/29 1251 to 1303 fade. Call-in show in ME lang. (Greek?) until 1300 and then into trid. ME music. Fair to poor (JB-WA)
- 1701 AUSTRALIA, Brisbane 1701 (presumed) 5/29 1205 to 1230. Radio 1701 was noted at about equal levels with 2NTC (presumed). (JB-WA)
- 1701 AUSTRALIA, Sydney 2NTC (presumed) 5/28 1222 until 1256 fade. (JB-WA)

THANKS TO THESE REPORTERS

JB-WA JOHN BRYANT, DXing at Grayland WA w/Don Nelson and Walt Salmaniw. Using TenTec RX340, KIWA-ed NRD-535 receivers and 1000 foot longtwo-wire beverages at SW,W, and NW, 112 KAZ delta loop.

KR-AZ KEVIN REDDING, Mesa AZ.

DXing with CC Radio barefoot.

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DX WORLDWIDE EAST

Mark Connelly - 30 William Rd - Billerica MA 01821-6079

e-mail = MarkWALION@excite.com

Homepage = <http://members.aol.com/MarkWALION/weblink.htm>

NF DXpedition Page = <http://members.xoom.com/MarkWALION/nfdxpage.htm>

RF circuit page: <http://www.qsl.net/walion/index.html>

Thanks to all of the reports sent recently by DXers, the bandscan page has been increased in size considerably.

The following list shows the links that can be found on the page as of 24 MAY 2001.

The Bandscan World page is located at:

"<http://members.aol.com/RockportMWDX/index.html>".

MEDIUM WAVE: DAY

India (1995) (HTML)

Greece (1997) (.txt)

Burnham on Crouch, Essex, UK (1995) (.txt)

near Cape Race, Newfoundland, Canada (1998) (.txt)

Braintree Hill - Randolph, VT, USA (1993) (.txt)

Hopkinton, NH, USA (2001) (HTML)

Billerica, MA, USA: Sloper antenna test (2001) (HTML)

Billerica, MA, USA: Pennant & Kaz antenna test (2001) (zipped Excel)

Cape Cod, MA, USA (3 sites) (2000-2001) (PDF)

Cape Cod, MA, USA (3 sites) (2000-2001) (zipped Excel)

West Yarmouth, Cape Cod, MA, USA (2000) (HTML)

Cape Cod, MA / Rehoboth Beach, DE / Bermuda / Cape Hatteras, NC ('70s-'90s)

(zipped Excel)

Smithfield, RI, USA (1994) (.txt)  
Lenox, MA, USA (1990) (.txt)  
North Port, ON, Canada (1998) (.txt)  
coastal NJ, USA (2 sites) (1974 / 1990) (.txt)  
Sumneytown, PA, USA (1994) (.txt)  
Uniontown, MD, USA ('70s-'90s) (.txt)  
Ocean City, MD, USA (1998 & before) (.txt)  
Cape Hatteras, NC, USA (1998) (.txt)  
Cape Hatteras (Whalebone), NC, USA (1968) (.txt)  
Guadeloupe (1995) (HTML)  
Cubans logged from Bahamas, part of IDXD report (2000) (HTML)  
Florida Keys (non-US logs) (2000) (HTML)  
Chicago, IL, USA (1987) (.txt)  
New Orleans, LA, USA (1989) (.txt)  
Dallas, TX, USA (1991) (.txt)  
Tucson, AZ, USA (2001) (.txt)  
Mesa, AZ, USA (2001) (.txt)  
Huntington Beach, CA, USA (1988) (.txt)  
Seattle, WA, USA (1988) (.txt)

MEDIUM WAVE: DAY + NIGHT

Iran (2001) (PDF)  
Kyrenia, Cyprus (2001) (.txt)  
Cape Cod & Cape Ann, MA, USA (1997) (.txt)  
Lee, MA, USA (1993) (.txt)  
Wilton, CT, USA (2001) (PDF)  
Wilton, CT, USA (2001) (zipped Excel)  
St. Lucia (2000) (HTML)  
Cuba, Jamaica, & south Florida (1994-2000) (.txt)

MEDIUM WAVE: NIGHT

Cape Town, South Africa (1999) (PDF)  
New Brunswick, NJ, USA (2001 & before) (zipped Excel)

LONGWAVE

Massachusetts, USA (2 sites, daytime) (1994) (.txt)

FM

Buxton, Derbyshire, UK (2000) (.txt)  
Danbury, Essex, UK (2000) (.txt)  
Shap Fell, Cumbria, UK (2000) (.txt)  
Mount Washington, NH, USA (1995) (.txt)  
Braintree Hill - Randolph, VT, USA + other VT FM ('90s) (.txt)  
Mount Greylock, MA, USA (1995) (.txt)  
\*\*\*\*\*  
WESTERN DX FORUM

Reid Wheeler - 5910 Boulevard Loop SE - Olympia WA 98501-8408  
E-mail : reid@olywa.net Phone 360-786-6756 Fax 360-753-3824

Gary Larson, 2806 Lincoln, Burbank CA 91504 818-558-1350  
[5/26] Hello. Rec'd a surprise call from GM/Pres. of Royce Int'l  
5/25 about 1690 testing 1 KW ND for field intensity measures in prep  
for new 1500. I think this began on 5/24. Heard OC, no audio. Was  
told ID done from minidisc at 10% modulation. Over weekend 1690 to  
be off (?) so work can start on 97.7 KRCK Mecca. No idea where sit  
is but XR in Mecca Hills. Format rock I expect. Unknown what  
format 1500 will be - LA is overloaded by news/talk + sports plus  
SS, Asian or REL. Hadn't known of plan to obtain KIEV call for  
1500. Saw it in FCC info DXM 1219, so far can't confirm it. Called  
GJ, RW to pass on 1690 tip. Oh, early this morning drove out to

Montebello site but couldn't see or detect anything; no light on in bldg. So far only a single tower 190 ft tall at site on Montebello Bl. It used to be for microwave relays. Can't confirm 850 Thousand Oaks format yet. 1390 KLTX is // 90.3 KMRO Camarillo CA, La Nueva Vista. And maint. engr is Bill Sheets, Salem Comm. engineer. As to Irwindale XR of KSPN, if 710 goes there, I'm only aware of those 2, not 3. And 1320 Hemet lost XR site; am sure it was mentioned in DXM some months ago. 73 for now.

[6/11] It appears the testing on 1690 ended 6-7; haven't heard an OC or tones since. Guess next step is starting to put up towers. At night on 1500 here I get KSJX fair to weak mostly - day is a mix of other AMs (710/790?). Again 1500 now lic. To Culver City, call to be KIEV. 6/10 OC Register radio column says KJAZ 1260 has gone to 25 KW day but after asking at Mt. Wilson FM, hasn't happened. Will be digital XR. Was by site on 6-8; new fencing being put up. No engrs there. Think night power is to be 7500 w. Caught faint 1510 KMXN today on car radio. Jim Hilliker, mentioned in OC Register, sent in KGER history to LA radio.com site. Thanks Jim, but I don't have a computer. Wouldn't mind a paper copy of it. S Cal Area DXers (SCADS) still going in Seal Beach. And American SW Listeners Club meets in Huntington Bch. What became of Steve Mittman? Had a PO box in Seal Beach. Hope Mike Sanburn heard tests on 1690 recently. Signal should have been strong. Hispanic Br moving anytime now to Glendale. Will attempt to find out more. And an FM has gone to new loc. 5yh & Figueroa, LA (KVSC). No idea of when or if 1030 Folsom goes on. XR site needs to be found. 73 all.  
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EASTERN DX FORUM

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E-mail: REvans5435@aol.com  
Deadlines: Sundays

Eric Bueneman (NOUIH), 631 Coachway Lane, Hazelwood, MO 63042-1347  
E-mail: NOUIHEric@aol.com Web site: <http://www.qsl.net/n0uih/>

You may have found it in Broadcasting Information on numerous occasions. A station either switching to, or dropping a format known as "religion". But, calling such a format "religion" is very confusing. If you call this format "religion", it implies that not just Protestant Christians can buy air time on these stations. If you mention "religion" as your format, then it may very well be conceivable that a Mormon or a Catholic radio ministry could be aired on such a station, along with other faiths, such as Judaism and Islam, Asian religions such as Buddhism, Confucianism, Shintoism and Taoism, the Hare Krishnas, or even, God forbid, a religious cult. Arbitron, in my honest opinion, has it all wrong when it comes to referring to a radio station that airs primarily Protestant Christian programming as "religion". When a station discriminates against non-Christian faiths or even the Mormon or Roman Catholic faiths in its programming policy, then it has no right to be called a "religious" station. It should be called a "Christian" (or the Broadcasting Information abbreviation, "Xtian") station. Christian radio has become very fragmented in recent years, just like secular commercial radio. In addition to the general Christian format, which is basically teaching-oriented, there's also Southern Gospel, which is basically a Country format for Christian audiences. Urban Gospel (the PC name for "Black Gospel") is oriented primarily to African-American audiences. Contemporary Christian can take the form of an AC, CHR, Rhythmic or a combination of the three styles for Christian audiences. Even the Christian Talk format has emerged in the last several years, with issues-oriented talk from a Christian

perspective. There is even formats aimed at different denominations; the oldest single-denomination Christian format is aimed at members of the Lutheran Church-Missouri Synod, which has been on the air at KFYO (originally 550, now 850) Clayton, MO since its inception in 1924. An all-Catholic format has emerged in recent years; the main national distribution ministry for Catholic programming is EWTN Global Catholic Radio, based in suburban Birmingham, AL. In my honest opinion, it is more appropriate to call a station whose programming is aimed primarily at Protestant Christians as "Christian", not "religion". 73 from Eric (NOUIH)

Walt Breville, P.O. Box 6194, Nalcrest, Florida 33856  
(walterlb@gte.net)

People have asked me "IRCA (or NRC) conventions for AM DX listeners-what's that?" I reply "it is just like a bunch of old fisherman talking about the good old days of great catches long ago, compared to the sorry state of today's fishing conditions." Having been to a couple of recent DX gatherings, how true that is! I would say the average age of today's DX gabfest gatherings is between 55 and 65. When I first started attending conventions in the mid-1960s many young people attended, now they are quite scarce in our hobby, with computers and video games luring them away from getting involved in an increasingly frustrating radio hobby. But we older folk have a great time constantly daydreaming about the great periods of radio listening; to me, the Great Golden Age of DX Listening started in about 1955 when the rock & roll revolution not only delighted young people across the USA but gave radio a shot in the arm, as TV had been superceding network radio shows during the early 1950s with stations taking up music DJ programs trying to slow down the great exodus of Americans to TV. Stations gave IDs only on the hour & half hour during their network shows, but even the DXers disliking the new rock music found the DJ shows giving IDs far more often than before. This was a wonderful era of DXing with very few AN/NSP broadcasters compared to today as well as ease of IDing all the rock stations then. Things started fading about 1965-66 when the major trend of AN/NSP broadcasting started accelerating, while the sunspot cycle was moving into a period less favorable to long-haul MW DX. Also a more-music-less-talk movement took hold as the DJs started quitting announcing the title/artists of songs, and a trend started to fewer IDs per hour, in the 1966-70 period. Then the great competition from FM pop music stations started in the 70s, forcing many AMs to cut their budgets as ads were diverted more & more to FM. "Narrowcasting" took hold more, as more stations gave up the good old Top 40 mix of jazz tunes, crossover country numbers, slow-dance to hot rock variety in favor of more bland same type of rock on each station. I am thankful I was born soon enough to enjoy the 1955-65 era!

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### Continued from 38-19

Crawford, who also oversees stations in California and Texas. "A lot of other markets, too, are realizing that if they want to continue to make money and more money, then they probably have to go to secular formats."

Focusing on the 1950s Crawford Broadcasting will keep its other Denver stations intact, including KLTT (670 AM), a Christian talk format, and KLVZ (800 AM), a gospel station. But the company converted KLZ (770 AM) from Christian music to Sinatra and his contemporaries about two years ago. Crawford Broadcasting picked up KLVZ for the bargain-basement price of \$1.5 million in 1999 (by comparison, FM station KALC sold

for \$98 million earlier this year). The audience for KLVZ tends to be older, from 45 to 65; at 37, Crawford falls shy of the range. But he listens to the station, and says he likes what he hears. He'll keep listening, and decide next year if the format works. But he thinks it will prove successful and that other stations will adopt the format.

Alan Gray likes the 1950s format.

"It was a great time to live in our country and most people have nothing but great memories associated with those days," he says. Gray is president of New Generation Broadcasting Inc., of Las Vegas, which is syndicating a radio format to AM stations of music from 1956 to 1964. He's about to sign up his third station. Gray says oldies stations are moving away from the music of the 1950s and 1960s in order to lure a younger audience. But KLVZ, at least, isn't going to try that. "We didn't want to go into the '70s and have Janis Joplin and Elton John," Crawford says. "We just weren't interested in that. That's a whole different generation. The '60s, that music is known to be clean, fun, party music. For some reason, everything stopped in '69. When you hit '70, around the war years, music just took a different direction." Da Boogiemán admits that the station's format is a fairly narrow niche, "but we think there's an awful lot of people who fall into that niche."

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SPORTS NETWORK

kevin redding - amfmtvdx@qwest.net

Welcome to the June issue of Sports Network. This issue is devoted to you who love NASCAR and motor sports.

Hands down the biggest independent sports network of them all has to be, hands down, The Motor Racing Network ([www.motorracingnetwork.com](http://www.motorracingnetwork.com)) is in every part of the country and the races are often at night giving the race fan a chance to DX and listen in on the action.

There are so many affiliate stations that I had to remove all the FM affiliates to make it possible to put in the paper DX Monitor. As you go down the list, you will note that there are some states which have nothing except FM affiliates.

If you do decide to go to the website and go to the affiliates page, you will see a button marked "Affiliate Map." If you go there the site has a interesting relationship with [www.mapquest.com](http://www.mapquest.com) and if you are traveling it will show you all the MRN affiliates along the way. I can see this as a possible DX tool.

I suppose I should quit dreaming of hearing the engines revved up high, the smell of the methanol exhaust, the bright colors of the cars and the checkered flags and get you all to the AM affiliates list.

#### Alabama

WAAX-AM 570 Gadsden, AL  
WBCA-AM 1110 Atmore, AL  
WLAY-AM 1450 Muscle Shoals, AL  
WRAB-AM 1380 Arab, AL  
WUMP-AM 730 Athens, AL  
WVNN-AM 770 Athens, AL  
WYNI-AM 930 Atmore, AL

#### Arizona

KBBC-AM 980 Lake Havasu City, AZ  
KFLG-AM 1000 Bullhead City, AZ  
KGME-AM 550 Phoenix, AZ  
KJOK-AM 1400 Yuma, AZ

KVSL-AM 1450 Show Low, AZ  
KYET-AM 1180 Williams, AZ

Arkansas

KASR-AM 1330 Conway, AR  
KBTM-AM 1230 Jonesboro, AR  
KFAY-AM 1030 Fayetteville, AR  
KXJK-AM 950 Forrest City, AR

California

KANM-AM 970 Modesto, CA  
KCBL-AM 1340 Fresno, CA  
KMCA-AM 1450 Redding, CA  
KRAX-AM 1470 Sacramento, CA  
KTCT-AM 1050 San Francisco, CA  
KVBL-AM 1400 Fresno, CA  
KKPS-AM 1270 Palm Springs, CA

Colorado

KDMN-AM 1450 Longmont, CO  
KKFN-AM 950 Denver, CO  
KLMO-AM 1060 Longmont, CO  
KSKE-AM 610 Longmont, CO

Connecticut

WICH-AM 1310 Norwich, CT  
WINE-AM 940 Brookfield, CT  
WPUT-AM 1510 Brookfield, CT

Delaware

WDOV-AM 1410 Dover, DE

Florida

WAMR-AM 1320 Venice, FL  
WAXE-AM 1370 Port St. Lucie, FL  
WELE-AM 1380 Ormond Beach, FL  
WGGG-AM 1230 Ocala, FL  
WHOO-AM 990 Orlando, FL  
WINZ-AM 940 Miami, FL  
WIYD-AM 1260 Palatka, FL  
WJGR-AM 1320 Jacksonville, FL  
WKFL-AM 1170 Bushnell, FL  
WNDA-AM 1490 Daytona Beach, FL  
WNDB-AM 1150 Daytona Beach, FL  
WOCA-AM 1370 Ocala, FL  
WQHL-AM 1250 Live Oak, FL  
WQYK-AM 1010 Tampa, FL  
WSTU-AM 1450 Stuart, FL  
WBBF-AM 1130 Bartow, FL  
WWJB-AM 1450 Brooksville, FL

Georgia

WBLJ-AM 1230 Dalton, GA  
WBTR-AM 1330 Carrollton, GA  
WCHM-AM 1490 Clarksville, GA  
WDAK-AM 540 Columbus, GA  
WDEN-AM 1500 Macon, GA  
WDGR-AM 1210 Dahlonega, GA  
WGOV-AM 950 Valdosta, GA  
WJTH-AM 900 Calhoun, GA  
WMLB-AM 1170 Cumming, GA

WRGA-AM 1470 Rome, GA  
WRWH-AM 1350 Cleveland, GA  
WSYL-AM 1490 Sylvania, GA  
WTRP-AM 620 LaGrange, GA  
WWNS-AM 1240 Statesboro, GA  
WXRS-AM 1590 Swainsboro, GA

Idaho

KSEI-AM 930 Pocatello, ID

Illinois

WAIT-AM 850 Crystal Lake, IL  
WCRA-AM 1090 Effingham, IL  
WDQN-AM 1580 DuQuoin, IL  
WINU-AM 880 Highland, IL  
WKAN-AM 1320 Kankakee, IL  
WLUV-AM 1520 Loves Park, IL  
WSQR-AM 1560 Plano, IL  
WZOE-AM 1490 Princeton, IL

Indiana

WADM-AM 1540 Bluffton, IN  
WAOV-AM 1450 Vincennes, IN  
WBAT-AM 1400 Marion, IN  
WCVL-AM 1550 Crawfordsville, IN  
WGL -AM 1250 Ft. Wayne, IN  
WBHU-AM 1240 Daleville, IN  
WHON-AM 930 RICHMOND, IN  
WIOU-AM 1350 Kokomo, IN  
WITZ-AM 990 Jasper, IN  
WMCB-AM 1540 Martinsville, IN  
WNDE-AM 1260 Indianapolis, IN  
WSLM-AM 1220 Salem, IN  
WTRC-AM 1340 Elkhart, IN

Iowa

KCNZ-AM 1650 Cedar Falls, IA  
KCPS-AM 1150 Burlington, IA  
KDNZ-AM 1250 Cedar Falls, IA  
KFJB-AM 1230 Marshalltown, IA  
KOKX-AM 1310 Keokuk, IA  
KVPD-AM 1400 Fort Dodge, IA  
KWBG-AM 1590 Boone, IA  
WDBQ-AM 1490 Dubuque, IA  
WLLR-AM 1230 Davenport, IA

Kansas

KKGM-AM 1250 Westwood, KS  
KNSS-AM 1240 Wichita, KS

Kentucky

WBGH-AM 1340 Bowling Green, KY  
WFLE-AM 1060 Flemingsburg, KY  
WKYX-AM 570 Paducah, KY  
WOMI-AM 1490 Owensboro, KY  
WSON-AM 860 Henderson, KY  
WTMT-AM 620 Louisville, KY  
WVLK-AM 590 Lexington, KY

Louisiana

KVOL-AM 1330 Lafayette, LA



WIBR-AM 1300 Baton Rouge, LA

Maine  
[ FM only ]

Maryland

WCBC-AM 1270 Cumberland, MD  
WICO-AM 1320 Salisbury, MD  
WJFK-AM 1300 Baltimore, MD  
WMDM-AM 1690 Lexington Park, MD  
WNAV-AM 1430 Annapolis, MD  
WTHU-AM 1450 Thurmont, MD  
WXTR-AM 820 Frederick, MD

Massachusetts

WBET-AM 1460 Brockton, MA  
WGFP-AM 940 Webster, MA  
WMRC-AM 1490 Milford, MA  
WORC-AM 1310 Webster, MA

Michigan

WABJ-AM 1490 Adrian, MI  
WCCW-AM 1310 Traverse City, MI  
WCHT-AM 600 Escanaba, MI  
WCSR-AM 1340 Hillsdale, MI  
WJR-AM 760 Detroit, MI  
WKHM-AM 970 Jackson, MI  
WKJF-AM 1370 Traverse City, MI  
WKNW-AM 1400 Sault St. Marie, MI  
WMAX-AM 1440 Saginaw, MI  
WMIQ-AM 1450 Iron Mountain, MI  
WMLM-AM 1520 St. Louis, MI  
WTKA-AM 1050 Ann Arbor, MI  
WTRX-AM 1330 Flint, MI  
WYUR-AM 1310 Bloomfield Hills, MI

Minnesota

KFAN-AM 1130 Minneapolis, MN  
KFEX-AM 690 Minneapolis, MN  
KYMN-AM 1080 Northfield, MN  
WDGY-AM 630 St. Paul, MN  
WEBC-AM 560 Duluth, MN

Mississippi

WGVN-AM 1260 Greenville, MS  
WJDX-AM 620 Jackson, MS  
WNRX-AM 1060 Tupelo, MS

Missouri

KAPE-AM 1550 Cape Girardeau, MO  
KFAL-AM 900 Fulton, MO  
KFMO-AM 1240 Park Hills, MO  
KFNS-AM 590 St. Louis, MO  
KIDS-AM 1340 Springfield, MO  
KQYX-AM 1560 Joplin, MO  
KRHW-AM 1520 Sikeston, MO  
KWTO-AM 560 Springfield, MO

Nebraska

[ FM only ]

Nevada

KPLY-AM 1270 Reno, NV  
KRLV-AM 1340 Las Vegas, NV

New Hampshire

WKXL-AM 1450 Concord, NH  
WNHV-AM 910 Claremont, NH  
WTSV-AM 1230 Claremont, NH

New Jersey

WGYM-AM 1490 Ocean City, NJ

New Mexico

KDEF-AM 1150 Albuquerque, NM

New York

WACK-AM 1420 Newark, NY  
WADR-AM 1480 Utica, NY  
WATN-AM 1240 Watertown, NY  
WBZD-AM 1490 Elmira Heights, NY  
WCJW-AM 1140 Warsaw, NY  
WFLR-AM 1570 Dundee, NY  
WGHQ-AM 920 Poughkeepsie, NY  
WHEN-AM 620 Syracuse, NY  
WHHO-AM 1320 Hornell, NY  
WHTK-AM 1280 Rochester, NY  
WIRD-AM 920 Lake Placid, NY  
WLVL-AM 1340 Lockport, NY  
WMML-AM 1230 Queensbury, NY  
WPDN-AM 1470 Potsdam, NY  
WPIE-AM 1160 Trumansburg, NY  
WRNY-AM 1350 Utica, NY  
WSPQ-AM 1330 Springville, NY  
WTBQ-AM 1110 Florida, NY  
WUTQ-AM 1550 Utica, NY  
WWLZ-AM 820 Elmira Heights, NY

North Carolina

WAAV-AM 980 Wilmington, NC  
WAGY-AM 1320 Forest City, NC  
WAZZ-AM 1490 Fayetteville, NC  
WBAG-AM 1150 Burlington, NC  
WBRM-AM 1250 Marion, NC  
WCKB-AM 780 Dunn, NC  
WCVP-AM 600 Murphy, NC  
WGAI-AM 560 Elizabeth City, NC  
WHKY-AM 1290 Hickory, NC  
WIRC-AM 630 Newton, NC  
WJRI-AM 1340 Lenoir, NC  
WKSK-AM 580 W. Jefferson, NC  
WKXR-AM 1260 Asheboro, NC  
WKYK-AM 940 Burnsville, NC  
WLNC-AM 1300 Laurinburg, NC  
WLXN-AM 1440 Lexington, NC  
WMNC-AM 1430 Morganton, NC  
WNNC-AM 1230 Newton, NC  
WPYB-AM 1130 Benson, NC  
WRGC-AM 680 Sylva, NC  
WRMT-AM 1490 Rocky Mount, NC  
WSAT-AM 1280 Salisbury, NC  
WSIC-AM 1400 Statesville, NC

WSTK-AM 910 Jacksonville, NC  
WTXY-AM 1540 Whiteville, NC  
WTZK-AM 1350 Black Mountain, NC  
WWGP-AM 1050 Sanford, NC  
WWNC-AM 570 Asheville, NC

North Dakota  
[ FM only ]

Ohio

WBEX-AM 1490 Chillicothe, OH  
WBLY-AM 1600 Springfield, OH  
WBTC-AM 1540 Uhrichsville, OH  
WCKY-AM 1360 Cincinnati, OH  
WING-AM 1410 Dayton, OH  
WKNR-AM 1220 Cleveland, OH  
WKVX-AM 960 Wooster, OH  
WLOH-AM 1320 Lancaster, OH  
WLW -AM 700 Cincinnati, OH  
WMOH-AM 1450 Hamilton, OH  
WNIO-AM 1390 Youngstown, OH  
WPTW-AM 1570 Piqua, OH  
WQCT-AM 1520 Bryan, OH  
WRGM-AM 1440 Mansfield, OH  
WTOD-AM 1560 Toledo, OH  
WTF-AM 1600 Findlay, OH  
WUCO-AM 1270 Marysville, OH  
WVAC-AM 1510 Norwalk, OH

Oklahoma

KNED-AM 1150 McAlester, OK  
KQLL-AM 1430 Tulsa, OK  
WKY -AM 930 Oklahoma City, OK

Oregon

KUPL-AM 970 Portland, OR

Pennsylvania

WAEB-AM 790 Whitehall, PA  
WAZL-AM 1490 Wilkes-Barre, PA  
WBUT-AM 1050 Butler, PA  
WCBG-AM 1590 Greencastle, PA  
WCNR-AM 930 Bloomsburg, PA  
WDAD-AM 1450 Indiana, PA  
WEMR-AM 1460 Wilkes-Barre, PA  
WEYZ-AM 1530 Corry, PA  
WGET-AM 1320 Gettysburg, PA  
WHUN-AM 1150 Mt. Union, PA  
WIOO-AM 1000 Carlisle, PA  
WIOV-AM 1240 Ephrata, PA  
WISR-AM 680 Butler, PA  
WKQW-AM 1120 Oil City, PA  
WLEM-AM 1250 Emporium, PA  
WNPV-AM 1440 Lansdale, PA  
WOYK-AM 1350 York, PA  
WPSN-AM 1590 Honesdale, PA  
WPTT-AM 1360 Pittsburgh, PA  
WPTZ-AM 1310 Troy, PA  
WVPO-AM 840 Stroudsburg, PA  
WWCB-AM 1370 Corry, PA  
WWCH-AM 1300 Clarion, PA

WKWL-AM 1460 Harrisburg, PA  
WYGL-AM 1240 Selinsgrove, PA  
WYNS-AM 1160 Lehighton, PA  
WYSN-AM 1330 Somerset, PA

Rhode Island  
[ FM only ]

South Carolina

WANS-AM 1280 Anderson, SC  
WCAM-AM 1590 Camden, SC  
WDKD-AM 1310 Kingstree, SC  
WGUS-AM 1380 N. Augusta, SC  
WJMX-AM 970 Florence, SC  
WLOV-AM 1370 N. Augusta, SC  
WPCC-AM 1410 Clinton, SC  
WSPA-AM 950 Spartanburg, SC  
WTMA-AM 1250 Charleston, SC

South Dakota

KBFS-AM 1450 Belle Fourche, SD  
KCCR-AM 1240 Pierre, SD  
KELO-AM 1320 Sioux Falls, SD  
KOKK-AM 1210 Huron, SD  
KSDR-AM 1480 Watertown, SD  
KTOQ-AM 1340 Rapid City, SD

Tennessee

KMIS-AM 1050 Dyersburg, TN  
WAKM-AM 950 Franklin, TN  
WCLE-AM 1570 Cleveland, TN  
WDKN-AM 540 Clarksville, TN  
WHBQ-AM 560 Memphis, TN  
WHIN-AM 1010 Gallatin, TN  
WHMT-AM 1190 Humboldt, TN  
WJCW-AM 910 Gray, TN  
WKRM-AM 1340 Columbia, TN  
WLAR-AM 1450 Athens, TN  
WLIV-AM 920 Livingston, TN  
WLZK-AM 1000 Paris, TN  
WMTN-AM 1300 Morristown, TN  
WNKX-AM 1570 Centerville, TN  
WNOX-AM 990 Knoxville, TN  
WNPC-AM 1060 Newport, TN  
WRGS-AM 1370 Rogersville, TN  
WTJS-AM 1390 Jackson, TN  
WTNR-AM 930 Waynesboro, TN  
WYSH-AM 1380 Clinton, TN

Texas

KEES-AM 1430 Tyler, TX  
KGLD-AM 1330 Tyler, TX  
KPUR-AM 1440 Amarillo, TX  
KTBB-AM 600 Tyler, TX  
KYZS-AM 1490 Tyler, TX  
WRAP-AM 820 Arlington, TX

Utah

KWLW-AM 700 Salt Lake City, UT

Vermont

WDEV-AM 550 Waterbury, VT  
WKDR-AM 1390 Winooski, VT  
WWWT-AM 1320 Randolph Center, VT

Virginia

WGAT-AM 1050 Gate City, VA  
WGH -AM 1310 Virginia Beach, VA  
WKCY-AM 1300 Harrisonburg, VA  
WKDW-AM 900 Staunton, VA  
WMEV-AM 1010 Marion, VA  
WMNA-AM 730 Gretna, VA  
WMVA-AM 1450 Martinsville, VA  
WNNT-AM 690 Warsaw, VA  
WRAA-AM 1330 Luray, VA  
WRAD-AM 1460 Radford, VA  
WRNL-AM 910 Richmond, VA  
WRVA-AM 1140 Richmond, VA  
WSLC-AM 610 Roanoke, VA  
WSVS-AM 800 Crewe, VA  
WXBQ-AM 980 Bristol, VA  
WXCF-AM 1230 Clifton Forge, VA  
WXLZ-AM 1140 Lebanon, VA  
WYSK-AM 1350 Fredericksburg, VA  
WYTI-AM 1570 Rocky Mount, VA

Washington

KCLK-AM 1430 Clarkston, WA  
KYCW-AM 1090 Seattle, WA

West Virginia

WAJR-AM 1440 Morgantown, WV  
WCMI-AM 1340 Huntington, WV  
WELC-AM 1150 Welch, WV  
WEPM-AM 1340 Martinsburg, WV  
WETZ-AM 1330 New Martinsville, WV  
WRVC-AM 930 Huntington, WV  
WSLW-AM 1310 White Sulpher Springs, WV  
WVOW-AM 1290 Logan, WV  
WVRC-AM 1400 Spencer, WV  
WVVA-AM 1170 Wheeling, WV

Wisconsin

WATW-AM 1400 Ashland, WI  
WAUK-AM 1510 Waukesha, WI  
WAUX-AM 1550 Waukesha, WI  
WAYY-AM 790 Eau Claire, WI  
WCUB-AM 980 Manitowoc, WI  
WIGM-AM 1490 Medford, WI  
WIZM-AM 1410 LaCrosse, WI  
WJOK-AM 1050 Kaukauna, WI  
WKTY-AM 580 LaCrosse, WI  
WOSH-AM 1490 Oshkosh, WI  
WTSO-AM 1070 Madison, WI  
WXCE-AM 1260 Amery, WI

Wyoming

[ FM only ]

Fire up the old firebottle radio, let the tubes glow orange and crackle a bit and spin the dial. If you can get all of these stations you definitely deserve the checkered flag and a trip to the winners circle. Happy Motoring!

Welcome to Sports Network this month. Its still racing season and a lot of it will be carried on ESPN Radio. The racing in New England is primarily open wheeled modifieds and there is a website that fills the modified fans need for news, [www.vintagemodifieds.com](http://www.vintagemodifieds.com). They have a listing of ESPN radio network affiliates so the racing fan can keep up with the news.

This list of ESPN full time affiliates will help anyone who may be wondering what station they are hearing, whether its auto racing, baseball or the NFL Draft. [http://www.vintagemodifieds.com/news/espn\\_radio\\_full.htm](http://www.vintagemodifieds.com/news/espn_radio_full.htm)

ESPN RADIO FULL TIME AFFILIATES

KTZN-AM 550 Anchorage, Alaska  
KMVI-AM 550 Wailuka, Hi.  
WMAM-AM 570 Marinette, Wis.  
KIIX-AM 600 Ft. Collins, Col.  
WBWL-AM 600 Jacksonville, Fla.  
WZON-AM 620 Bangor, Me.  
WTMT-AM 620 Louisville, Ky.  
WVWV-AM 630 Marietta, Ohio  
WEJL-AM 630 Scranton, Pa.  
KXLI-AM 630 Spokane, Wa.  
WEJL 630 Scranton, Pa.  
KMPD-AM 630 Wilmington, NC  
KRGs-AM 690 Rifle, Col.  
WDSM-AM 710 Superior/Dul, Minn.  
KCMC-AM 740 Texarkana, Tex.  
WSFN-AM 790 Brunswick, Ga.  
WJQJ-AM 810 Tomahawk, Wis.  
KMVP-AM 860 Phoenix, Ariz.  
KFLD-AM 870 Pasco, Wa.  
KTMT-AM 880 Medford, Ore.  
WMOP-AM 900 Ocala, Fla.  
KKRT-AM 900 Wenatchee, Wa.  
WNHV-AM 910 White River Jct, Vt.  
WSTK-AM 910 Jacksonville, NC  
WIRD-AM 920 Lake Placid, N.Y.  
KBAD-AM 920 Las Vegas, Nev.  
KCOX-AM 930 Chico, Calif.  
WSLI-AM 930 Jackson, Miss.  
KICE-AM 940 Bend, Ore.

WNET-AM 950 Silver City, N.M.  
 KKJX 960 Klamath Falls, Ore.  
 KNEA-AM 970 Jonesboro, Ark.  
 KESP-AM 970 Modesto, Calif.  
 WSUB-AM 980 New London, Conn.  
 KJOX-AM 980 Yakima, Wa.  
 WTIG-AM 990 Massillon, Ohio.  
 WMVP-AM 1000 Chicago, Ill.  
 KWIQ-AM 1020 Moses Lake, Wa.  
 WTSO-AM 1070 Madison, Wis.  
 KYMO-AM 1080 East Prairie, Mo.  
 KSPN-AM 1110 Los Angeles, Calif.  
 WFXH-AM 1130 Hilton Head, S.C.  
 WSDX-AM 1130 Brazil, Ind.  
 WLEY-AM 1130 Wellington, Kan.  
 KZNE-AM 1150 College Station,  
 Tex.  
 WBOB-AM 1160 Cincinnati, Ohio  
 WSKW-AM 1160 Skowhegan, Me.  
 WBDY-AM 1190 Bluefield, W.Va.  
 KGIR-AM 1220 Cape Girardeau, Mo.  
 WMML-AM 1230 Glens Falls, N.Y.  
 WTSV-AM 1230 Claremont, N.H.  
 WGGG-AM 1230 Gainesville, Fla.  
 WEEK-AM 1230 Easton, Pa.  
 KWUN-AM 1230 Salt Lake City  
 KWSN-AM 1230 Sioux Falls, S.D.  
 WLAG-AM 1240 LaGrange, GA  
 WLNR-AM 1240 Kinston, N.C.  
 WTON-AM 1240 Staunton, Va.  
 KADS-AM 1240 Hobart, Okla.  
 WIOV-AM 1240 Ephrata, Pa.  
 WGMN-AM 1240 Roanoke, Va.  
 WCEM-AM 1240 Cambridge, Md.  
 KVSO-AM 1240 Ardmore, Okla.  
 KBEL-AM 1240 Idabel, Okla.  
 WBAX-AM 1240 Scranton, Pa.  
 WOBT-AM 1240 Rhineland, Wis.  
 WEAE-AM 1250 Pittsburgh, Pa.  
 WQHL-AM 1250 Live Oak, Fla.  
 WNDE-AM 1260 Indianapolis, In.  
 KKPS-AM 1270 Palm Springs, Ca.  
 KDJI-AM 1270 Holbrook, Ari.  
 WHTK-AM 1280 Rochester, NY.  
 WATO-AM 1290 Knoxville, Tenn.  
 WTMN-AM 1300 Albany, NY  
 WSJX-AM 1300 Terre Haute, Ind.  
 WTZN-AM 1310 Troy, Pa.  
 KNRQ-AM 1320 Eugene, Ore.  
 WLWN-AM 1320 Lawrence, Kan.  
 WVGM-AM 1320 Lynchburg, Va.  
 WAMR-AM 1320 Venice, Fla.  
 KCQL-AM 1340 Farmington, N.M.  
 WBBQ-AM 1340 Augusta, GA  
 WBGH-AM 1340 Bowling Green, Ky.  
 WCMT-AM 1340 Ashland, Ky.  
 WQSC-AM 1340 Charleston, SC  
 KATA-AM 1340 Arcata, Calif.  
 WBBL-AM 1340 Grand Rapids, Mich.  
 WXFN-AM 1340 Muncie, Ind.  
 WSEK-AM 1340 Pittsburgh, Kan.  
 WALL-AM 1340 Middletown, NY  
 WMIM-AM 1340 Mt. Carmel, Pa.  
 KTIK-AM 1350 Boise, Idaho  
 WTOU-AM 1350 Akron, Ohio.  
 WOYK-AM 1350 York, Pa.  
 WBBL-AM 1350 Cabot, Ark  
 WELR-AM 1360 Roanoke, AL  
 WDEF-AM 1370 Chattanooga, Tenn.  
 KFRO-AM 1370 Longview, Texas.  
 WONO-AM 1380 Ft. Wayne, Ind.  
 WTJK-AM 1380 Roscoe, Ill.  
 WHMA-AM 1390 Anniston, Ala.  
 WMPO-AM 1390 Middleport, OH  
 KREB-AM 1390 Rogers, Ark.  
 WEOK-AM 1390 Poughkeepsie, NY  
 KKTL-AM 1400 Casper, Wyo.  
 KDLL-AM 1400 Fort Payne, Ala.  
 WBIZ-AM 1400 Eau Claire, Wis.  
 KGMV-AM 1400 Springfield, Mo.  
 KDBS-AM 1410 Alexandria, La.  
 WING-AM 1410 Dayton, Ohio  
 WPOP-AM 1410 Hartford, Conn.  
 WNER-AM 1410 Watertown, NY  
 KPEL-AM 1420 Lafayette, La.  
 WNRS-AM 1420 Herkimer/Utica,  
 N.Y.  
 KFIG-AM 1430 Fresno, Calif.  
 WVAM-AM 1430 Altoona, Pa.  
 KPUR-AM 1440 Amarillo, Tex.  
 WKLV-AM 1440 Blackstone, VA.  
 KIKR-AM 1450 Beaumont, Tex.  
 WKZQ-AM 1450 Myrtle Beach, SC  
 WIBM-AM 1450 Jackson, Mi.  
 WMVG-AM 1450 Milledgeville, GA  
 WBUN-AM 1450 Bemiji, Minn.  
 KGRZ-AM 1450 Missoula, Mt.  
 WDXR-AM 1450 Paducah, Ky.  
 WCIE-AM 1450 Springlake, NC.  
 KHIT-AM 1450 Reno, NV.  
 WTSP-AM 1450 St. George, Utah  
 KWSL-AM 1470 Sioux City, Ia.  
 WLQR-AM 1470 Toledo, Ohio  
 KLMS-AM 1480 Lincoln, Neb.  
 WRSW-AM 1480 Warsaw, Ind.  
 WZBD-AM 1490 Biloxi, Miss.  
 WSWW-AM 1490 Charleston, WV  
 WTUP-AM 1490 Tupelo, MS  
 KKLQ-AM 1490 Indianaloe, Ia.  
 WGYM-AM 1490 Linwood, N.J.  
 KYZS-AM 1490 Tyler, Texas.  
 WAUK-AM 1510 Waukesha, Wis.  
 KNNS-AM 1510 Larned, Kan.  
 WAUK-AM 1550 Lake Geneva, Wis.  
 KICS-AM 1550 Hastings, Ne.  
 KKLE-AM 1550 Winfield, Kan.  
 WVTK-AM 1570 Augusta, SD  
 WKBH-AM 1570 Holmen/LaCrosse,  
 Wisc.  
 KTGR-AM 1580 Columbia, Mo.  
 KFDF-AM 1580 Van Buren, Ark.  
 WAMW-AM 1580 Washington, IN

WATX-AM 1590 Cookeville, Tenn.  
WPSN-AM 1590 Honesdale, Pa.  
KCRG-AM 1600 Cedar Rapids, Iowa  
WFDC-AM 1600 Elizabethtown, Pa.  
KBLI-AM 1620 Blackfoot, ID  
KAZP-AM 1620 Omaha, Neb.  
KNRO-AM 1670 Redding, Calif.  
WTTM-AM 1680 Princeton, N.J.

Whether its race day at the modifieds track, baseball, or general sporting news, you can find it on one of these ESPN network stations. Good luck and happy DXing.

Welcome to another edition of Sports Network. If you love minor league baseball, then this is gonna be your column. This is what baseball and DX is all about for many of us. We all are listening on radios while on the back porch in the cool of the evening with the radio on the flea powered station carrying the game and watching the kids running around with jars chasing fireflies and trying to catch lightning in a bottle.

It's on the air on lazy afternoons while grilling hot dogs and hamburgers for a nice cookout. We have the game on while sitting out on the back porch drinking something cold on a lazy summer afternoon. This is what most sports fans and DXers enjoy.

Here's the listings, and hurry up and turn the set on, the games about to begin. I can almost hear the umpire calling, "play ball!"

(www.texas-league.com) Texas League Baseball  
Arkansas Travelers 88.3 KABF-FM Little Rock, AR  
Round Rock Express 1300 KVET Austin, TX  
Shreveport Swamp Dragons KWKH 1130 Shreveport, LA  
Wichita Wranglers 1480 KQAM Wichita, KS

(www.calgarycannons.com) Pacific Coast League  
SOUTH DIVISION  
Fresno Grizzlies KCBL 1340 Fresno, CA EE KGST 1600 Fresno, CA SS  
Sacramento River Cats 1320 KCTC Sacramento, CA EE 1240 KSQR SS  
Tucson Sidewinders 1290 KCUB Tucson, AZ  
EAST DIVISION  
Memphis Redbirds 560 WHBQ Memphis, TN  
Nashville Sounds 560 WNSR Nashville, TN  
New Orleans Zephyrs 1450 WBYU New Orleans, LA  
Oklahoma Red Hawks 104.9 KNTL Bethany, OK  
NORTH DIVISION  
Tacoma Rainiers 1180 KLAY Lakewood, WA  
Edmonton Trappers 930 CJCA Edmonton, AB  
CENTRAL DIVISION  
Iowa Cubs 940 KXTK Des Moines, IA  
Omaha Golden Spikes 1490 KOSR Omaha, NE  
Salt Lake Stingers KFNZ 1320 Salt Lake City, UT

(www.ilbaseball.com) International League  
NORTH DIVISION  
Buffalo Bisons 1520 WWKB Buffalo, NY  
Pawtucket Red Sox 790 WSKO Providence, RI  
Rochester Redwings 1280 WHTK Rochester, NY 1180 WHAM Rochester, NY  
Scranton-Wilkes Barre Red Barons 1400 WICK Scranton, PA  
Syracuse Sky Chiefs 620 WHEN Syracuse, NY  
WEST DIVISION  
Columbus Clippers 103.1 WSMZ  
Indianapolis Indians 1310 WTLC Indianapolis, IN

Louisville River Bats 970 WGTK Louisville, KY  
Toledo Mud Hens 1230 WCWA Toledo, OH 1470 WLQR Toledo, OH  
SOUTH DIVISION  
Charlotte Knights 610 WFNZ Charlotte, NC  
Durham Bulls 620 WDNC Durham, NC  
Norfolk Tides 1650 WHKT Portsmouth, VA  
Richmond Braves 910 WRNL Richmond, VA

Fire up the rig out on the back porch, kick up your feet and listen in to the action. Happy DXing!

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IRCA Technical Column  
editor: Nick Hall-Patch (nhp@ieee.org)

"Sloper Antenna Tests"  
Mark Connolly - WA1ION - 16 APR 2001

There has been a lot of anecdotal reportage over the years about the value of "sloper" antennas, particularly with regards to directivity and nulling of "pest" stations from given bearings opposite to the horizontal direction one looks from the high end of the sloper to its low end. This article seeks to look into the performance of these antennas in more detail than afforded by previous accounts in the DX press. A set-up I have used at several locations is illustrated at the end of this article.

In the 1970's I set up a sloper at my parents' house in West Yarmouth, MA with the specific idea of reducing New York City stations. Broadcasters from that area form the biggest obstacle to foreign medium-wave DXing from the southern side of Cape Cod. The antenna worked very well. With WCBS-880 quite strong on a conventional ferrite or air-core loop, Canary Islands and UK stations on 882 kHz were generally just a moderate to strong heterodyne. Sometimes the old R390A could slice out the 882 audio, sometimes it couldn't. When I switched over to the sloper, WCBS dropped markedly in strength relative to the 882 Trans-Atlantics. Around local sunset, clear Canary Islands audio was more often the rule than the exception when using the sloper. Furthermore, right on 880, WCBS had a "hollow" sound because of the groundwave / skywave mix; frequently it was under attack by a co-channel Venezuelan that was barely noticeable on the Space Magnet and Radio West ferrite loops. Other New York stations up and down the dial were similarly reduced, thereby assisting in Trans-Atlantic and Latin American DX catches.

In the '90s, a sloper favoring the southeast was installed at a location in East Harwich, MA. During auroral conditions, Brazilian and deep African stations were often received in its "main beam" while Boston groundwave stations coming from the northwest were noticeably attenuated relative to how they sounded on random wires, ferrite loops, and active whips used at the same location.

For the last 22 years at my home QTH in Billerica, MA I have generally had at least one sloper in use. The one I use for general bandscanning (the "Euro-sloper") slopes downward towards the east-northeast. It puts a definite null towards Worcester, MA; Hartford, CT; New York, NY; and some other major cities on the "I-95 corridor" heading down to DC and VA. For European reception it ALWAYS beats any figure-of-8 pattern loop including the exalted Kiwa. Sometimes I set up a second sloper which gives best reception in the "pest station directions" of west and southwest. Because this second wire slopes downward from east to west, it picks up little in the way of Trans-Atlantics since it's nulling that way. The purpose of the "west-pest" antenna is for phasing against the "Euro-sloper". The

level potentiometer on its phasing unit channel is adjusted downwards until a westerly station to be nulled is equal strength with its level on the "Euro-sloper". The phase adjustment for a null can then be enacted with little or no effect on the desired DX signals from the east and northeast.

Several other well-known East Coast DXers - including Bruce Conti, Al Merriman, and Ben Dangerfield - have had similarly good results over the years with the "phased opposing slopers" concept. The bountiful Trans-Atlantic DX logs from all these guys demonstrate that the method works.

Over Easter weekend 2001, it was sunny and mild and the last little patch of snow behind the house had melted away. Over the long winter months, numerous antenna test plans had entered my head and had been scribbled down in my notebook. As soon as weather permitted, I said to myself, I'm going to get some of my higher priority tests off and running. Quantifying the performance of two slopers oriented in opposite directions was a test I'd long wanted to run. How much of these antennas' stated benefits were "for real", how much was just conjecture and "folklore"? It was about time to take some daytime groundwave measurements to find out.

Each 30 m sloper ran to one side of the high-impedance winding of a Mini-Circuits T4-6T-X65 (4:1) transformer. The other high-impedance winding was connected to a 10 m wire which ran along the ground to a 1.5 to 2 m long copper pipe earth-ground rod. The low-impedance winding was connected to the center conductor and to the shield of 50-ohm coaxial cable (length less than 30 m) going to the Drake R8A receiver inside the house.

The European (east) sloper showed a definite null on signals in the swath of bearings between 205 and 280 degrees. A sampling of receptions, with dB stated as the strength by which the west sloper signal level exceeded that on the east sloper, follows. Degrees shown are clockwise of true north, e.g. 270 = due west.

650: WJLT-MA: 21.0 dB null: 207.6 deg.  
1200: WKOX-MA: 27.0 dB null: 212.7 deg.  
1060: WBIX-MA: 30.0 dB null: 212.9 deg.  
940: WGFP-MA: 21.0 dB null: 223.9 deg.  
600: WICC-CT: 16.8 dB null: 226.0 deg.  
660: WFAN-NY: 23.0 dB null: 229.8 deg.  
880: WCBS-NY: 22.2 dB null: 229.8 deg.  
820: WNYC-NY: 28.8 dB null: 231.5 deg.  
710: WOR-NY: 21.0 dB null: 232.0 deg.  
1050: WEVD-NY: 19.8 dB null: 232.0 deg.  
1010: WINS-NY: 20.4 dB null: 232.3 deg.  
770: WABC-NY: 21.0 dB null: 232.5 deg.  
1440: WWTM-MA: 20.0 dB null: 234.4 deg.  
1310: WORC-MA: 27.8 dB null: 235.3 deg.  
1080: WTIC-CT: 19.8 dB null: 237.9 deg.  
1120: WBNW-MA: 32.0 dB null: 241.9 deg.  
830: WCRN-MA: 27.0 dB null: 241.9 deg.  
1470: WSRO-MA: 27.6 dB null: 243.0 deg.  
760: WVNE-MA: 23.2 dB null: 246.4 deg.  
580: WTAG-MA: 21.0 dB null: 246.7 deg.  
640: WNNZ-MA: 18.0 dB null: 253.3 deg.  
960: WFGL-MA: 22.0 dB null: 266.4 deg.  
1000: WCMX-MA: 21.6 dB null: 269.2 deg.  
1280: WEIM-MA: 24.0 dB null: 278.3 deg.  
810: WGY-NY: 20.0 dB null: 278.3 deg.

Several weak signal Canadian Maritimes stations were only audible on the east sloper. These included CHTN-720 (PEI), CFDR-780 (NS),

and CBA-1070 (NB). Going from one antenna to the other produced different dominants on several channels, for instance WJTO-ME-730 and WGAN-ME-560 on the east sloper, WACE-MA-730 and WHYN-MA-560 on the west sloper.

The western sloper had a somewhat narrower easterly null, most effective between 60 and 120 degrees. The list of stations that it reduced relative to the eastern sloper is fairly short because there aren't many daytime-receivable stations to the east of here.

970: WZAN-ME: 1.2 dB null: 31.1 deg.  
730: WJTO-ME: 6.0 dB null: 36.1 deg.  
910: WABI-ME: 1.8 dB null: 37.7 deg.  
1230: WESX-MA: 8.0 dB null: 92.4 deg.  
1360: WLYN-MA: 15.2 dB null: 112.9 deg.  
950: WROL-MA: 6.0 dB null: 119.1 deg.  
1430: WKKS-MA: 7.0 dB null: 139.8 deg.

Stations "off the side" (e.g. north, south) of each sloper didn't vary much from one antenna to the other. The western sloper had a slight gain advantage a bit more often on these because its grounding was in a somewhat wetter location.

Full bandscan data for these tests may be obtained via the links below: HTML file: "<http://members.aol.com/DXerCapeCod/bscan-billerica.htm>"

Zippered Microsoft Excel file:

"<http://members.aol.com/DXerCapeCod/bscan-billerica.zip>"

I leave it to others such as Neil Kazaross to run EZNEC simulations on these slopers to see how closely the software predictions match the measured results. The foregoing study does show that, for a simple antenna, the sloper has a lot going for it. Two opposing-direction slopers fed to a phasing unit is a time-tested interference-fighting solution endorsed by a number of the hobby's better known practitioners.

ed. note: Mark adds that he believes that "the 10 m wire aids the ground side of things by acting as a short counterpoise or capacitor to ground. Any series inductance and resistance en route to the rods can be considered minimal at medium wave. If I had (a) better quality ground available, I'd go straight to the rods instead."

(The HTML version of this article is available at "<http://members.aol.com/DXerCapeCod/slopers.htm>". It includes a diagram of the antenna system.)

#### Fabricating Impedance Transformers for Receiving Antennas

John Bryant May 2001

With the proliferation of local neighborhood noise sources and the growing popularity of wire antennas in configurations other than the inverted L, coaxial cable has become the antenna lead-in of choice for most radio hobbyists. Since the impedance of most commonly available coax is either 50 or 72 ohms and since many wire antennas exhibit impedance of 400 to 1000 ohms or more at the feed point, directly connecting the coax to a wire antenna invites very significant signal losses due to the impedance mismatch. Given this situation in the listening hobbies, it has been a mystery to me why impedance transformers and baluns for receiving antennas have not been more commonly available on the retail market. Further, the few transformers that are available are offered at around \$60.00. While this may be a fair price, considering labor, profit and retail mark-up, the parts cost for a good weather-tight balun or impedance transformer is well under \$10, paying retail for the parts! If you own a soldering iron and can make even a semi-reliable connection,



you really ought to consider "rolling your own" baluns and transformers. The total labor time is about one hour per unit and the construction is quite simple. Personally, I make mine in front of the TV on Sunday afternoons. Essentially, while making transformers, I'm paying myself \$50 per hour to watch the Dallas Cowboys have yet another terrible season. Not a bad deal, at all.

#### Selecting Components

You need to obtain some connectors, a weather-tight box, and the guts of the transformer. For the wire connectors, I have come to use the type of binding posts that also accept a banana plug in the top of the post. That way I have several choices of connection methods at the antenna. These parts are all available at Radio Shack. I have fallen in love with one special form of banana plug, though, that is only available from professional parts houses (Mouser #17HR549, #17HR550). The shaft of the male plug has a stiff wire running down it and it makes a VERY reliable connection by actually plowing a shallow furrow in the metal of the female banana socket. The connector for the coax is a normal chassis-mount coax connector of your particular flavor. More and more hobbyists seem to be switching to BNC connectors for their ease of use and better weather characteristics, though only professional-class receivers yet use this type.

Some DXers swear by all-metal boxes for this application. If you fall into this camp, the cast aluminum Hammond boxes are my choice. I buy mine through Antique Electronics Supply (<http://www.tubesandmore.com/>). Those who use metal boxes are usually attempting to maintain the system as RF sanitary as possible, preventing stray signal pick-up by grounding the box, usually to the coax shield. However, the majority of DXers I know, and most manufacturers, use cast plastic enclosures. They reason that the stray signal pick-up is miniscule, compared to the size of the antenna, and let the ease of using the plastic boxes, and their significantly lower cost, make that decision. Personally, if I'm in one of my rare obsessive/compulsive phases, I use metal; if I'm "normal," I use plastic. I've never been able to distinguish between the two designs in actual use.

All of the impedance transformers with which I am familiar are based on some sort of ferrite core with windings around it. Several well-known East Coast DXers favor manufactured transformers from Mini-Circuits, and just wire this tiny transformer in the appropriate box and add connectors. The very small 9-to-1 Mini-Circuit transformers are perfect for converting the 450 ohms of beverages and many other wire antennas to 50 ohm coax. I used these small units for several years, before swearing off them entirely. DXing on the prairies North America generally exposes wire antennas to a good bit of static electricity. Both Bill Bowers and I had several random failures of the Mini Circuits units, probably due to the hair-small wire used to wind the transformer. The main problem was that the failures were often partial, making us think - for several nights running - that conditions were really bad. What a waste! After the third such failure, I returned to the tried-and-true "roll your own" techniques based on relatively larger ferrite toroids. These techniques were originally taught to me over a decade ago by Nick Hall-Patch, Technical Editor of IRCA and published in a co-authored article in Fine Tuning's Proceedings 1988.

Once the decision is made to roll your own using ferrite toroids, there are just two decisions left: the size of toroid and the specific ferrite mix to be used.

In North America, at least, most of us use the toroids from Amidon. These may be purchased over internet directly from the

manufacturers representative at (<http://www.bytemark.com/amidon/>). I've used three sizes of cores over the years. The smallest that I have used is a 1/2" diameter toroid (Amidon's FT-50) which looks like a half-eaten Life Saver candy. To get the proper turn count through the donut hole, you must use very fine magnet wire and a large needle. I found the whole operation overly fussy and I was also concerned about static electricity burning the hair-thin wires. I saw no advantage in using cores this small and I don't recommend them now. The largest toroids that I've used measure 1.4 inches in diameter (FT-140.) These work great, but they are a little heavy and expensive for my taste. I recommend the middle size, 1.14 inch diameter donuts which are large enough to handle easily and I use 30 gage insulated wire from Radio Shack ( # 278-501, 502 or 503) for the windings. This wire is small enough to make a neat close-wound coil of the proper turns-count on the toroid and yet the wire is large enough and stiff enough to be easy to handle.

The Amidon web page has a great deal of technical data to assist you in selecting the proper ferrite material. However, all of that stuff is rather arcane and will take you a while to wade through. What it comes down to is this: if you want to work from .5MHz to 30 MHz, select "Type 43" material. This material also gives "reasonable" performance on LW. If you are certain that your interests are limited to LW, MW and Tropical Bands (.2 to 15 MHz), then "Type 75" ferrite is what you need.

If you've followed me this far through this technical thicket, it's probably time to take a break. Lets hunker down in the shade and let me scratch out an illustration to show you where we are headed:

#### CALCULATING THE TURNS COUNT

Lets calculate the turns count for impedance matching a beverage antenna with an impedance of 450 ohms to 50 ohm coax. Because this is a step-down transformer, the primary (attached to the antenna) will be the larger winding and we'll deal with that first.

The first formula to use will give us the desired inductance of the primary winding:

desired L of winding =  $XL/2*PI*f$

where L = Inductance in millihenries    XL =Reactance in ohms  
f = Lowest frequency of operation in kHz

XL may be found by multiplying the impedance of the antenna to be matched by a factor of 4. This XL would be 4 x 450 ohms or 1800 ohms. To make things easy, lets use 500 kHz. as our lowest frequency of operation.

So, L of the primary winding =  $1800/2 \times 3.1416 \times 500$  or .573 mH.

Now that we know the inductance (L) needed for the primary winding, we can apply the following formula to determine the number of turns needed for the primary winding.

$N = 1000 \text{ SQRT}(L/AL)$

In narrative, this formula should be read: Number of turns required (N) is equal to 1000 times the square root (SQRT) of the Inductance (L) divided by the constant AL.

The constant AL is determined from the Amidon technical literature and takes into account the RF qualities and the size of a Type 43 toroid that is 1.14 inches in diameter. The AL for the FT-114-43 is 603.

So, working the formula above,  $N = 1000 \text{ SQRT}(.573/603) = 1000 \times$

.030825 = 30.8 turns, use 31

The turns count for the secondary winding (connected to the coax) may be determined by the same method or by knowing that the impedance ratio of a transformer is the turns ratio squared. We are trying to get from a 450 ohm antenna to a 50 ohm coax, so the impedance ratio is 9 to 1. The turns ratio must then be 3 to 1... so, the secondary winding is 10 turns. Working it out with the formula yields 10.2 turns.

By golly, we have waded clear through the technical thicket. Burn any blood sucking leeches off your arms and legs, rest up in the shade for a while and pop a cool one. You deserve it!

If you want to match one of the currently popular delta or pennant antenna designs, determining the turns count follows the same process. The impedance of pennants and flags is somewhat dependant on the size of wire used and the height above ground. Most seem to fall in the range of 900 ohms to 1000 ohms, so a 950/50 (or 19-to-1) step-down transformer would probably work well for most of this type antenna. The same process as that above can be used to determine the turns count. To save you the effort, here is a chart of turns counts for both Type 43 and Type 75 Material.

The table "Turns Counts Based on FT-114 Amidon Toroids" is found on the website mentioned below.

The windings should be placed on the toroid in a "close wound" fashion, with the primary and secondary windings spaced as far apart as possible on opposite sides of the donut.

The illustration "TYPICALLY WOUND TOROID WINDING" is found on the web site mentioned below.

In the illustration, note the series of hot glue dots on the edge of each coil. I use this strategy to keep the windings in place.

#### IN USE

About all that we have left to discuss is various arrangements for placing the transformer between your antenna and coax.

Unfortunately, it is at this point that we leave the world of science and begin to deal with sorcery. It turns out that there are a lot of ways to hook these things up, and most of the controversy centers on various grounding schemes. There are two main circuits to discuss:

#### SINGLE WIRE ANTENNAS

There are three or four choices of circuit arrangements here and the best one for your application probably should be determined by careful experimentation. The "scientifically superior" arrangement is probably that shown here as "Circuit A." The second side of each of the coils is connected separately to ground. Signal current and static electricity flows from the antenna through the larger coil directly to ground. Current between ground and your receiver is induced into the smaller coil. The main argument against Circuit A is that individual grounds must be separated by at least 12 to 15 feet to be electrically separate, or so I've read. Due to connection through the ground itself, what is probably being accomplished, electrically, with Circuit A is actually Circuit C. Circuit B is the one that Nick Hall-Patch has used with excellent results for years. Grounding of the coax shield, if any, is accomplished at some distance from the transformer.

Circuit C recognizes the problem of possible interaction between the two "separate" grounds and simply connects the grounded side of both coils and the coax braid to a single ground at the antenna feed point. This is the circuit that I use when the feed point of the antenna is within three or four feet of the ground and the grounding conditions are good. After writing this article and having Nick

pound his approach through my thick skull yet one more time, I think I'll be switching my approach to Circuit B.

Circuit D is the arrangement that the "magnetic balun" manufacturers normally use. The grounded sides of the coils are connected together and hooked to the braid of the coax. The grounding that is so vitally necessary for signal flow is accomplished through the coax braid and left totally to the user. This is the circuit that I use for random wire antennas and I ground the braid at least once between the antenna and the receiver. I will confess, though, that I've used Circuit D with good success on occasion with an ungrounded coax and an ungrounded receiver. I know that I'm taking a chance with static electricity build-up, and I wonder whether all of the signal energy is reaching my receiver; but there you are: my guilty little secret.

(all circuit illustration found on the website)

#### LOOPS

Luckily, with loops like the KAZ delta, etc., things are fairly straightforward. The larger coil of the transformer is connected directly (in series) into the loop. One side of the smaller coil is connected to the center conductor of the coax. The other side of the smaller coil may be connected to the coax braid, may be grounded, or both. If the loop feed point is within a foot or so of the ground, it is probably best to ground the second side of the smaller coil. However, if you have a poor grounding situation, or the feed point is in the air, the smaller loop ought to just be connected to the coax braid.

#### CLOSING REMARKS

About the only issue left to mention is physically attaching the transformer to the interior of the box. I'm rather sure that most constructors will have a favorite method. Mine is to simply hot glue the transformer securely to the plastic box. In some cases, I have even totally encapsulated the transformer in hot glue. I have sometimes wondered if I wasn't somehow affecting the magnetic qualities of the transformer with the hot glue. Bill Bowers has run some quite sophisticated bench tests concerning this and assures me that the qualities of the transformers are unaffected by hot glue.

Well, there you have it. For those of you interested in making \$50.00 per hour rolling your own matching transformers while watching your favorite sports franchise get blown away yet again, order some cores, make a quick trip to Radio Shack or your junque box and HAVE AT IT. May the forces (magnetic) be with you!

(the above column with glorious illustrations is found at:  
<http://www3.telus.net/7dxr/ircatech/impformer.pdf>)

Testing Two "KAZ" Squashed Delta Antennas  
John Bryant

I was really excited when veteran MW DXer Neil Kazaross began using the EZNEC antenna modeling software to optimize various large loop antennas for MW DX use. As far as I know, most of the previous work with K9AYs, etc, has been optimized for the 160 meter radio amateur band.

The first design that Neil actually constructed was what he has been calling a "squashed loop." This design, with a 1 to 4 "aspect ratio," is one that the modeling software shows to reject low arrival angle signals from the backside even better than the classic equilateral pennant/delta. The dimensions of the loop were 10' high by 40' long. For convenience, I have come to refer to this antenna as a "KAZ-10x40" or just the KAZ.

I've operated a four-loop K9AY antenna for two years now, both in my winter home in Oklahoma and at my summer cottage on Orcas Island north of Seattle. I'm interested in finding an even better antenna than the K9AY for use in both locations. In Oklahoma, I DX Mexican MW stations and the primary concern is the rejection of unwanted co-channel signals. Gain is not so important, since signal levels, in general, are quite high during the prime DXing hours. In the Pacific NW, my main interest is DXing Trans-Pacific MW signals. There, gain is king, since the majority of those very weak signals are almost alone in between the 10 kHz. channels of the North American stations and since Trans-Pacific conditions are often extraordinarily quiet.

I've tested quite a few antennas over the years, often with well-known Lowfer, Bill Bowers. He has a wide array of laboratory-grade equipment. We've both pretty well concluded that it is impossible to measure the actual F/B ratio of an antenna on MW. We usually work in the very middle of the day to eliminate as much ionospheric skip as possible, but we still have great difficulty finding stations that are totally alone on their channel to use in the tests. Even when there seems to be no other station "in the null" of the target, the antenna is still likely receiving several weak carriers, thus partly filling in the null and reducing the measured F/B quite significantly over the absolute value determined by the antenna configuration. We've found that doing direct A/B comparison tests between two or more antennas simultaneously tends to give us a more useful idea of which antenna is performing best. Since I my semi-permanent K9AY is in a pasture with plenty of room to spare, I decided to try both methods of testing.

My K9AY is a classic equilateral delta, 28 feet on a side, with the lower wire about 1.5 feet above ground. My KAZ-10x40 was mounted on a piece of ABS plastic pipe, with the apex at 11 feet and the lower (40 foot) wire at about 1 foot above ground. The KAZ-10x40 was constructed of multi-strand 12 ga. wire and terminated with 885 ohms of resistance. The impedance transformer was hand wound on an Amidon FT-114-43 (10 turns and 44 turns). The two terminations were attached to the antenna with banana plugs so that the ends of the KAZ could be swapped without actually moving the loop itself. The coax antenna leads enter my shack where I can switch instantaneously between the K9AY and the KAZ. Signal strengths were measured with my Ten Tec 340 that has an S-meter which is calibrated in -dBm as well as S-units.

For initial testing, I selected 10 stations in located in Southwest Oklahoma or in/near Northeast Oklahoma. These stations were on both ends of the dial and were generally in a direct line diagonally across the state with me in the middle. The antennas pointed right down the diagonal line.

#### TESTING FRONT TO BACK RATIOS & RELATIVE GAIN: K9AY vs. KAZ

Unfortunately, five of the ten stations had a fairly strong co-channel when the primary station was nulled: GREAT for DXing, but impossible for F/B measurement. Four of the remaining five stations were running less than 20 dB above the noise floor when peaked. When nulled, they went into noise, of course, but that doesn't really indicate an accurate F/B ratio. I was able to do a reasonably accurate F/B ratio only on KGGF, 690 in Coffeyville, KS. The K9AY provided a 20 dB ratio and the KAZ-10x40 did 23 dB. I trust the validity, though not the level, of this reading. KGGF is exactly in line with the antenna, to my NE, and puts an S-9 plus signal here via a directional pattern. It is important note, though, that there is a 250 w. ND station directly off the SW end of the antenna (KPET in Lamesa, TX). It is very likely that this station, though not audible during my F/B measurement on 690 KGGF, was probably acting

to "fill in the null" during the test. How much did it contribute? Who knows, though 8 to 10 dB does sound reasonable to me.

During the Front-to-Back testing process, I was able to record accurate "relative gain" figures on eight of the ten stations, while they were directly off the front of the antennas. My figures varied between 10 and 15 dB more gain for the (unamplified) K9AY over the (unamplified) KAZ-10x40. Also refer to more formal gain measurements later in this article.

#### "IN USE" COMPARISON TESTING: K9AY vs. KAZ

When comparing the two antennas during prime time DX hours in the evening and early morning, things got really interesting. The signal levels were high enough that it was impossible to tell the difference between the native gain of the two antennas "by ear," I had to look at the S-Meter. In about 80 to 90 percent of the cases, the content and quality of the two signals was identical, as well. In that other 15 percent or so, the KAZ out-performed the K9AY!

For instance:

1510 kHz. has WLAC, Nashville and XEQI, Monterrey at about equal distance from me. Looking toward Monterrey, the KAZ must have less side-lobe than the K9AY, because the XEQI signal was always clearer on the KAZ, even when I attenuated the K9AY by 10 dB to equalize the gain of the two antennas.

700 kHz. has nearly unnullable WLW on it. Pointed southwest, mostly away from Cincinnati, The K9AY gave me a signal of -80 dBm, while the KAZ provided a -103 dBm, much weaker. If you factor in the 10 dB or so of difference in native gain of the two antennas, it appears that, in this instance, the KAZ nulled WLW by an additional 13 dB! What's more, for the first time ever, I could actually listen to a station co-channel with WLW! While writing the first half of this article, I enjoyed listening to XEDG, 700 kHz. Radio Romantica in Hidalgo del Parral, Chih. With the KAZ, Radio Romantica was in the clear about 50% of the time and in a jumble the rest. The K9AY can manage to "hear" the Mexican about 2/3 of the time, but always rather far beneath WLW. One of the nicest things about the KAZ that both Kazaross and I have noticed is the ease of shifting its direction. The next morning, I took 5 minutes and shifted the KAZ 25 degrees more toward east-west to get WLW in the exact rear null and now I often listen to Radio Romantica totally undisturbed!

Some examples of equal performance of the K9AY vs. KAZ:

580 kHz. Both antennas eliminated semi-local WIBW in Topeka, KS and revealed XEMU, Piedras Negras running at "about S-8." GREAT WORK!

780 kHz. WGN puts in an above S-9 signal here at night. With both antennas turned to the southwest, XEMF, Montclova, Coah. ran "about S-6" with WGN about 95% gone.

Both of the later two tests were done with the S-meter covered. I could tell no difference "by ear" between the two antennas and just estimated the signal strength.

#### The "Super KAZ"

After reading a draft of the first half of this article, antenna guru K6SE cautioned that gain is not really an issue in a receiving

CONTINUED NEXT ISSUE

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DX WORLDWIDE EAST

Reporter: David Hochfelder of New Brunswick, NJ  
(e-mail: hochfeld@rci.rutgers.edu)

Receiver: Sony ICF-2010 | Antenna: Kiwa Pocket Loop

PAN-AMERICAN DX

- 550 UNID SS, JUN 20 0430 - Spanish talk by male announcer; thought I caught mention of "Habana" but not sure. According to NRC AM Log, it's probably not domestic; likely targets are Cuba, Colombia, and Venezuela. Usually WGR, Buffalo dominates the channel, with WSWA and WICE under it, and this is the first Spanish I've heard here. Any ideas? Thanks! [Hochfelder-NJ] [Cuba would be Rebelde // 600, 1180, 5025 et al. so easily identifiable; Venezuelan R. Mundial is also common here and is often // 880 if you can manage to work around WCBS. - editor]
- 860 UNID SS, JUN 20 0435-0443 - Spanish under CJBC Toronto; strong and at times dominant. Signed off or dropped out at 0443 before I could get an ID. Likely targets are Cuba, Dominican Republic, Colombia, and Venezuela. This is not only the first Spanish I've heard on the channel, but the first station I've heard under CJBC. Ideas? [Hochfelder-NJ] [Cuba is R. Reloj; you would have recognized that programming. Common here are Dominican HILR R. Clarin and the Venezuelans YVYE and YVOL. There are also Colombians, Central Americans, and Mexicans audible on this channel, usually after midnight Eastern time. - editor]

Reporter: Ray Moore of Fort Myers, FL (e-mail = rsmcomm@usa.net)  
Receiver: Drake R8 | Antenna: 23" passive (tuned) loop

TRANS-PACIFIC DX

- 1503 AUSTRALIA assumed 1017-1025 JUN 9. Two stations here producing pronounced SAH (sub-audible heterodyne.) At 1017 a pulsating jumble of audio rose out of the background noise. Occasionally a man talking excitedly, probably a sporting event, would break out on top. Faded back into the noise at 1025. Bandscan at 0920 this morning showed only six weak TP carriers and was about to give it up when this one started picking up strength so stuck with it.
- 1512 AUSTRALIA 2RN Newcastle, NSW assumed. JUN 7 0947-1037, Aussie accented English, two men and woman. Seemed to be woman hostess interviewing a man, with another man, possibly a telephone caller. Dawn enhancement peak 1032-34.

JUN 6 0917-1036, big carrier but no dawn peak. Counted 29 TP carriers during quick bandscan this morning. 3LO 774 kHz and Tahiti 738 kHz also putting in big carriers. JUN 5 1025-1031, dawn enhancement effect when Aussie accented male voice rose out of noise at 1025 and in and out until 1031 when a woman was heard just as signal dropped back into the noise. Local sunrise here 1034 these mornings. In my opinion, there is no greater thrill in DXing than hearing BCB stations 10,000 miles away. DX den these days consists of an R8 with a 23" passive loop on a TV tray on our East facing Lanai of a fourth floor condo.

I wish some of the DXers with low noise antennas and phasing systems would make a concerted effort to hear TP's.

Incidentally, JUN 8, the Aussies were essentially gone, just a few weak carriers but there were a number of excellent New Zealand carriers, notably 1386, 1332, 1035, 1008 and 882 kHz. However, I've never been able to pull in any audio from them in recent years. The ZL's are easily distinguished from the Aussies with precision direction finding.

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