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HAPPY ANNIVERSARY IRCA!!!

The next DXM in two weeks... will be the Election issue... and will be dedicated to the memory of **Don Erickson**, who recently was killed in a fire (see the following article). Those who knew him are encouraged to send in a Forum. Also, spiffy article on GY DXing is waiting in the wings!!!

Riverside man dies in fire

BLAZE: It was aided by stacks of magazines and newspapers in his home, an official says.

08:19 AM PST, on Tuesday, March 1, 2005

Special to The Press-Enterprise

A Riverside man who was a self-described "pack rat" was killed Monday afternoon when a fire tore through the newspaper-and-magazine-stuffed rooms of his Essex Street house. Neighbors identified the victim as Donald Erickson. Firefighters said the blaze began somewhere in the back of the house, in the area where Erickson's body was discovered. The cause of the fire has not been determined. Firefighters break the windows of a house on Essex Street in Riverside after a fire was reported by neighbors Monday. Riverside Fire Department Division Chief Tedd Laycock said the fire spread quickly, aided by ceiling-high stacks of newspapers, magazines and other items. "For some reason, he had all the windows boarded up," Laycock said. Even when firefighters broke through the boards, they were still blocked by dense stacks of boxes and papers. Rows of file boxes labeled "Magazines" could be seen through the windows from the street. Laycock said neighbors' calls to 911 came in at 12:52 p.m. Eight units responded. The fire was contained by 2 p.m., but brown smoke continued to pour out of the roof from a fire deep within the house. Thelma Cryst, who lived across the street from Erickson for decades, said he was friendly but reclusive. "He was a very quiet person. I didn't know him too well. We would chitchat, but it was never anything really personal," she said. "He always helped out with anything I needed," Cryst said, explaining that at Christmastime he would help move her furniture to make way for her tree. She said Erickson had a lot of medical problems. "I've been concerned about him a long time," Cryst said. "He hasn't been happy for, really, a long time," she said, walking out onto her driveway in socks and slippers. "When your lease is up, your lease is up." "He called himself a pack rat," said Josie Herrera, who lived nearby. But neighbors said they had no idea of the extent of his condition until today. "He was a nice guy," Herrera said, "but he was always locked in there. I got the impression that he didn't want nobody checking up on him." Whenever neighbors went to check on him, she said, "He would say, 'I'm OK. I'm OK.' He didn't want nobody worrying about him." By the time firefighters arrived, neighbors had already broken open a door and a window. "We didn't know what to do," Herrera said. "We wanted to help. But there was so much smoke. We couldn't." Cryst said Erickson had been teaching a computer class twice a week. She said he moved to the neighborhood in the 1970s.

HQ NOTES

The **2005 IRCA/DecalcoMania** convention will be held on Thu. Aug. 25 through Sat. Aug 27, 2005 at the Days Inn, 1111 S. Harbor Blvd. Anaheim CA 92805 (1 block North of Disneyland) **www.the.daysinn.com/anaheim04986**. Phone number for reservations is 714-533-8830 (request the special \$49 room rate.) Registration fee (not including banquet) is \$25 payable to Mike Sanburn, PO Box 1256, Bellflower CA 90707-1256 - **mikesanburn@hotmail.com**. Activities will include station tours, business meeting, auction, and banquet -view menu at **www.jagerhaus.net**. Should have lots of stickers and airchecks. Looking forward to seeing everybody.

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IRCA PRESIDENT'S REPORT

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March 14, 2005

Proposals presented to IRCA board of directors:

Proposal 21.2.09 from **Nick Hall-Patch**, as suggested by **Ken Chatterton**, chair of the National Radio Club Board of Directors:

:to initiate a combined **International Radio Club of America** and **National Radio Club** Courtesy Programs Committee to be chaired by Les Rayburn, the present IRCA CPC chair. He would report to both IRCA and NRC equally and post any tests on whatever DX sites he can. The National Radio Club offers to furnish Les with stationery featuring the letterhead of the IRCA/NRC Courtesy Programs Committee, and whatever address he wants to use. The National Radio Club also offers to provide color QSL cards for those testers who wish them, identifying the test as a dual IRCA/NRC test. The switch to a joint CPC would become official on May 1, 2005, when Fred Vobbe leaves his position as NRC CPC chair.

PB JJ TN PM MS PT KZ
A Y Y Y Y Y N

Proposal 21.2.09 passed. Hopefully this new co-operation between the clubs will yield even more DX tests in the coming season. Thanks to Les Rayburn for his willingness to take on this expanded position.

Proposal 21.2.10

With the passing of famed IRCA publisher Don Erickson, I propose that a special award in his honor be given on a yearly basis. This would be awarded to a member involved directly in publishing of the **"DX Monitor"** or an editor of any column appearing in the **"DX Monitor"** during the previous year. Similar restrictions to the TVA or RHA on not receiving the award more than once in 5 years. The form of the award would be a TVA-style plaque. (signed) **John C. Johnson**

PB JJ TN PM MS PT KZ
A A N N A N N

Proposal 21.2.10 failed.

Don Erickson did a great deal for IRCA, and we will likely be commemorating him through a special issue or issues of **DX Monitor** (next issue - pb).

PB - PHIL BYTHEWAY, JJ - JOHN JOHNSON, TN - TIM NOONAN, PM - PATRICK MARTIN,
MS - MIKE SANBURN, PT - PETE TAYLOR, KZ - KARL ZUK

Y= YES, N= NO, A= ABSTAIN

Hope you have all plan to vote in the IRCA elections. We have good candidates, so please show your that you appreciate them stepping forward by taking time to cast your ballots.

And don't forget the TVA and RHA voting as well. For a relatively small club, we have a good number of members who are deserving of recognition for services to the hobby.

BROADCASTING INFORMATION

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CALL CHANGES

FREQ	OLD CALL	CITY	NEW CALL
540	KMEO	Carmel Valley, CA	KXME
1230	KPLY	Reno, NV	KJFK
1230	KPPT	Toledo, OR	KCUP
1230	WNTR	Cumberland, MD	WCMD
1240	KSQR	Sacramento, CA	KSAC
1250	KQYN	Twenty-nine Palms, CA	KNWH
1290	WWFS	Peoria, IL	WIRL

1300	WOGY	Hazleton, PA	WKZN
1360	KAHZ	Hurst, TX	KMNY
1370	KJL	Cheyenne, WY	KJUA
1370	WAXE	Fort Pierce, FL	WZTA
1550	WXHL	Elkton, MD	WSRY
1560	WTKN	Dothan, AL	WCMA (station is silent-ye ed)
1600	KMNY	Pomona, CA	KAHZ
1630	KKWY	Fox Farm, WY	KRND (requested-ye ed)
1650	KBIV	El Paso, TX	KHRO (station is silent- ye ed)

FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
590	WLVA	Lynchburg, VA	news/talk	silent
710	KMIA	Black Canyon City, AZ	Spanish oldies	Spanish talk "R. Visa"
730	WJMT	Merrill, WI	talk	Jones classic country
790	WQSV	Ashland City, TN	country	variety
930	KSEI	Pocatello, ID	SNR sports	Fox sports
960	WHYL	Carlisle, PA	adult standards	talk
970	WBLF	Bellefonte, PA	news/talk //WRSC	news/talk
970	WKRN	Brandon, MS	southern gospel	silent
970	WNNR	Jacksonville, FL	talk	sports, SNR network
980	WAAA	Winston-Salem, NC	black gospel	silent
1000	WNSI	Robertsdale, AL	talk	sports, SNR network
1000	WCCD	Parma, OH	contemp. Xtian	religious teaching
1010	KTNZ	Amarillo, TX	regional Mexican	Spanish religion
1050	WLON	Lincolnton, NC	ABC Starstation old.	ABC Starstation AC//WCSL
1050	WVXX	Norfolk, VA	Fox sports	Spanish
1060	WGSB	Mebane, NC	regional Mexican	reg Mexican//WTOB
1090	KMXA	Aurora, CO	Spanish oldies	Spanish talk "R. Visa"
1110	WTBQ	Middletown, NY	oldies	talk
1110	WUHN	Pittsfield, MA	country	WW1 adult standards
1120	KLIM	Security, CO	country	classic hits //KIQ-FM
1150	KSVE	El Paso, TX	reg. Mex. "R. Visa"	Spanish talk "R. Visa"
1190	WBDY	Bluefield, VA	silent	sports, Fox sports
1220	WLPO	La Salle, IL	oldies	news/talk
1220	WREV	Reidsville, NC	regional Mexican	reg. Mexican //WTOB
1230	KJFK	Reno, NV	KPLY, Fox sports	talk
1230	KRXK	Rexburg, ID	sports	sports //KSEI-930 (Fox)
1230	WABN	Abingdon, VA	adult standards	oldies
1230	WCMD	Cumberland, MD	classic country	ABC Memories soft AC
1250	WGL	Ft. Wayne, IN	talk	sports, Fox sports
1250	WRKQ	Madisonville, TN	classic country	talk
1260	KWEI	Weiser, ID	Spanish	Spanish news/talk
1270	WXYC	Cartersville, GA	talk	news/talk
1310	KXTN	San Antonio, TX	tejano	talk
1330	WBTM	Danville, VA	adult contemporary	oldies
1330	WOLD	Marion, VA	silent	religious teaching//WHCB
1340	KTPI	Mojave, CA	classic country	adult stds "Magic 1340 AM"
1340	WALL	Middletown, NY	tropical	Radio Disney
1340	WAML	Laurel, MS	black gospel	silent
1350	WIOU	Kokomo, IN	talk	talk, ESPN sports
1360	WHJC	Matewan, WV	hot AC//WVKM	country //WVKM
1360	WLBK	De Kalb, IL	adult contemporary	talk
1370	WMGO	Canton, MS	urban AC	black gospel
1380	WHEW	Franklin, TN	silent	reg. Mexican "La Ley"
1380	WLRM	Millington, TN	black gospel	contemp. Xtian
1390	WEOK	Poughkeepsie, NY	tropical	Radio Disney
1390	WRSC	State College, PA	news/talk//WBLF	silent
1400	WFL	Ft. Lauderdale, FL	Fox Sports	ESPN sports
1400	KRPL	Moscow, ID	adult standard	oldies
1400	WHHV	Hillsville, VA	southern gospel	gospel music
1410	KCUL	Marshall, TX	ABC oldies//FM	ABC Pure Gold oldies
1450	KRZY	Albuquerque, NM	reg. Mex. "R. Visa"	Spanish talk "R. Visa"
1450	WDXR	Paducah, KY	ABC talk	Urban AC, ABC talk
1470	KUTY	Palmdale, CA	regional Mexican	talk "Newstalk 1470"
1470	WWBG	Greensboro, NC	regional Mexican	reg. Mexican//WTOB
1470	XERCN	Tijuana, BCN	Spanish news/talk	Spanish talk "R. Visa"
1490	WLRT	Hampton, VA	oldies	sports, Fox sports
1510	KAGC	Bryan, TX	religious teaching	contemporary Xtian
1510	WDRF	Woodruff, SC	southern gospel	Jones classic country

1520	WXYB	Indian Rocks Beach, FL	ethnic	Spanish
1520	WTRI	Brunswick, MD	silent	adult stds "Vegas Radio"
1530	WLLQ	Chapel Hill, NC	regional Mexican	reg. Mexican//WTOB
1550	KCOM	Comanche, TX	classic country	southern gospel
1550	KTXZ	West Lake Hills, TX	Spanish rock	tejano
1550	WCVL	Crawfordsville, IL	sports	Jones adult stds. MOYL
1560	KIQS	Willows, CA	soft AC	regional Mexican
1560	WPAD	Paducah, KY	adult standards	ESPN sports
1570	KCVR	Lodi, CA	Spanish oldies	Spanish talk "R. Visa"
1590	WCSL	Cherryville, NC	ABC oldies	ABC Starstation AC
1590	WPSN	Honesdale, PA	variety	ABC Pure Gold oldies
1650	KHRO	El Paso, TX	KBIV, classic C&W	silent (new format TBD)

CONSTRUCTION PERMIT ACTIVITY

580	WTCM	Traverse City, MI	15000/800 DA2 to 50000/1100 DA2
740	WNOP	Newport, KY	1000/30 DA2 to 2500/30 DA2
760	KCCV	Overland Park, KS	6000 DA-D to 6000/200 DA2
980	WHSR	Pompano Beach, FL	5000/1000 DA-D to 5000/2200 DA2
980	WRNE	Gulf Breeze, FL	2500/1000 DA-2 to 4000/1000 DA-N
1010	KCPW	Tooele, UT	50000/13 to 178/178
1020	WOQI	Adjuntas, PR	1000/1000 DA-N to 1000/280 ND2
1150	WJRD	Tuscaloosa, AL	5000/1000 DA-N to 20000/1000 DA-N
1160	WMLB	East Point, GA	50000/160 DA-D to DA2
1220	WJUN	Mexico, PA	1000/38 ND to 1000/46 ND2
1280	KDOX	Henderson, NV	5000/48 ND to 5000/28 ND2
1410	WQBQ	Leesburg, FL	5000/90 ND to 10000/90 DA-D
1470	KVLH	Pauls Valley, OK	1000/63 DA2 to 890/35 DA2

FACILITY AND PARAMETER APPLICATIONS

540	WLIE	Islip, NY	2500/220 DA-2 to 4300/175 DA-D
600	WSNL	Flint, MI	1000/500 DA-2 to 440/250 DA2
630	WMAL	Washington, DC	5000/5000 DA-2 to 10000/5000 DA2
740	WMIN	Hudson, WI	1100 DA-D to 2500 DA-D
810	WEUS	Orlovista, FL	1000/400 DA2 to 5000/400 DA2 (new CP)
830	KMUL	Farwell, TX	1000/148 ND to 1100/10 ND2
910	KECR	El Cajon, CA	5000/5000 DA-2 to DA2
950	WPEN	Philadelphia, PA	5000/5000 DA-N to 5000/21000 DAN
990	KFCD	Farmersville, TX	7000/920 DA-2 to DA2
1000	KCEO	Vista, CA	2500/250 DA-2 to 5000/250 DA-2
1010	KCPW	Tooele, UT	50000/178 DA-N to 50000/151 DA-2

(note: this CP is an application while the earlier one listed is an actual CP for drop in power- ye ed)

1150	KAGO	Klamath Falls, OR	5000/1000 DA-N to DAN
1200	KFNW	West Fargo, ND	10000/700 DA-N to 50000/13000 DA-2
1220	WKMT	Kings Mountain, NC	1000/100 ND to 10000/106 DA-D
1230	KYPA	Los Angeles, CA	1000/1000 ND to ND2
1330	WEBY	Milton, FL	5000 ND-D to 25000/790 DA-D
1340	KSGT	Jackson, WY	1000/1000 ND to ND2
1410	KWYO	Sheridan, WY	5000/500 ND to 5000/440 ND2
1490	WOLF	Syracuse, NY	1000/1000 ND to 1000/1000 ND3
1540	WBCO	Bucyrus, OH	500 DA-D to DAD
1560	new	Burbank, WA	10000/1600 DA-2
1600	WHJB	Bedford, PA	5000/28 ND to 2700/18 ND2
1700	KTBK	Sherman, TX	10000/700 ND to 10000/1000 ND2

FACILITY AND PARAMETER GRANTS

850	WFTL	West Palm Beach, FL	50000/24000 DA-2 to 50000/28000 DA2
1410	WRMN	Elgin, IL	1000/500 DA-N to 1000/1500 DAN

ADDITIONAL NOTES: (CONTRIBUTOR IN PARANTHESES)

PUBLIC LISTINGS:

WOLD 1330 Marion VA returns to the air with religion; new calls WHGB have been requested.
 KLIM 1120 Limon CO flips from country to classic hits, simulcasting new sign-on KIQ-FM 93.7 Limon CO.
 KMNY 1600 Pomona CA and KAHZ 1360 Hurst/Dallas-Fort Worth TX swap calls.
 WPSN 1590 Honesdale PA flips to 50s-60s oldies "Pure Oldies 1590."
 WTBQ 1110 Warwick NY flips to talk.
 WRKQ 1250 Madisonville TN flips from classic country to talk/sports.
 WEOK 1390 Poughkeepsie NY and WALL 1340 Middletown NY drop "El Ritmo" Spanish tropical for Radio Disney.

KRZX 1580 Waco TX changes calls to KQRL and flips from ESPN sports (simulcasting KRZI 1660 Waco) to Fox sports.

WWFS 1290 Peoria IL will drop sports and return to former calls WIRL March 14, with classic country.

KXTN 1310 San Antonio TX drops its simulcast of Tejano KXTN-FM 107.5 San Antonio to flip to talk/standards; new calls KAHL have been requested.

New WSRM 95.3 Coosa GA signs on with news/talk, simulcasting WRGA 1470 Rome GA.

Radio Visa's Spanish news/talk network is now in place on many former Radio Unica stations, as well as a few new converts. The network includes KCVR Lodi CA (flipping from Spanish oldies "La Consentida," an Entravision format which disappears), KCVR-FM 98.9 Columbia CA (from Spanish AC), KMIA 710 Black Canyon City/Phoenix AZ (from "Consentida"), KMXA 1090 Aurora/Denver CO (from "Consentida"), flagship KMXE 830 Orange/Los Angeles CA, KRLV 1340 Las Vegas NV, KRZY 1450 Albuquerque NM (from regional Mexican), KSVE 1150 El Paso TX (from regional Mexican), KTIQ 1660 Merced CA, KUNX 1400 Santa Paula CA, KZIP 1310 Amarillo TX, WJNX 1330 Fort Pierce FL and XERCN 1470 Tijuana BCN/San Diego CA.

KHRO 94.7 El Paso TX changes calls to KYSE (for its "Super Estrella" format), while KBIV 1650 El Paso TX goes silent and changes calls to KHRO.

KCUL-FM 92.3 Marshall TX drops oldies for regional Mexican "La Invasora"; oldies remain on sister station KCUL 1410 Marshall TX.

KJFK 1230 Reno NV flips from sports to progressive talk.

WAXE 1370 Vero Beach FL changes calls to WZTA, parking that heritage Miami callsign for Clear Channel.

KEBE 1400 Jacksonville, TX will simulcast its classic country format on KDVE 103.1 Pittsburg TX.

WNTR 1230 Cumberland MD flips from classic country to standards as "Memories 1230," changing calls to WCMD.

KQYN 1250 Twentynine Palms CA changes calls to KNWH.

KJLL 1370 Cheyenne WY requests new calls KJUA; sister station KKWY 1630 Fox Farm/Cheyenne WY requests new calls KRND.

WTKN 1560 Daleville AL and WCMA 1230 Corinth MS swap calls.

WDLC 1490 Port Jervis NY flips from a simulcast of oldies WTSX 96.7 Port Jervis to a simulcast of oldies WGNV 1220 Newburgh NY. (WDLC/WTSX enter an LMA with WGNV owner Sunrise Broadcasting.).

KUTY 1470 Palmdale CA drops regional Mexican "Radio Lazer" for talk as "NewsTalk 1470."

WVXX 1050 Norfolk VA drops Fox Sports for Spanish AC under new owner Davidson Media Group; Fox Sports moves to WLRT 1490 Hampton VA, which drops already sports-heavy "Outlaw Oldies" in favor of "Fox News and Sports 1490."

CONTRIBUTOR LISTINGS:

Art Blair sends along the following:

Connecticut company on radio station buying spree

ROCKFORD -- A Connecticut radio company is buying radio stations in Rockford and Freeport from Rockford-based RadioWorks Inc. Maverick Media of Westport, Conn. said Tuesday it will purchase hard rock WXRX (104.9 FM), classic rock WYHY (95.3 FM), light rock WGFB (103.1 FM) and talk WNTA (1330 AM) in Rockford, along with WFPS (92.1 FM) AND WFRL (1570 AM) in Freeport. The sale, expected to close in June, will leave no locally owned radio stations in Rockford except for Christian stations. RadioWorks, owned by Bob Rhea of Belvidere, will continue to own and operate two stations in Lafayette, Ind. Two program directors -- at WXRX and WNTA -- said they didn't expect changes in their station's formats. It was unclear Tuesday morning if there would be any employee cuts, although David McAley, who is executive vice president of RadioWorks, will now focus on the company's Lafayette, Ind., stations. Maverick operates 15 stations in three markets in Eau Claire, Wis.; Lima, Ohio; and Santa Rosa, Calif. Maverick president and chief executive officer Gary Rozynek, a Galesburg native, was vice president of Connoisseur Communications. From 1996 to 2000, the company owned and operated stations in Rockford, including classic rock WKMQ (96.7 FM) and talk WROK (1440 AM). Cumulus Media Inc. of Atlanta, the second largest station owner in the nation and the other player in the local market, owns those stations now, as well as country WXXQ (98.5 FM) and top 40's WZOK (97.5 FM). (AB-CA)

Dave Gordon sends along the following (confirming earlier info in column):

I heard that WEOK, 1390 in Poughkeepsie, NY, flipped to Radio Disney. It used to be Spanish "El Ritmo". (DG2-CA)

Pat Martin sends along the following from Deane McIntyre of Calgary, AB:

From <http://www.crtc.gc.ca/archive/ENG/Hearings/2005/n2005-2.htm>
CHAT-1270 Medicine Hat AB has applied to move to FM:

Application by Jim Pattison Broadcast Group Ltd. (the general partner) and Jim Pattison Industries Ltd. (the limited partner) carrying on business as Jim Pattison Broadcast Group Limited Partnership to convert radio station CHAT Medicine Hat from the AM band to the FM band. The new station would operate on frequency 94.5 MHz (channel 233C1) with an effective radiated power of 100,000 watts (non-directional antenna/antenna height of 175.8 metres). The applicant is requesting permission to simulcast the programming of the new FM station on CHAT for a period of three months from the date of implementation of the new station.

CHOR-1450 Summerland BC has also applied to move to FM: Application by Standard Radio Inc. to convert radio station CHOR Summerland from the AM band to the FM band. The new station would operate on frequency 94.5 MHz (channel 233A1) with an effective radiated power of 250 watts (non-directional antenna/antenna height of -177.6 metres). The applicant is requesting permission to simulcast the programming of the new FM station on CHOR for a period of three months from the date of implementation of the new station. (PM-OR)

Art Blair passes on the following:

Salem Communications to Acquire WGUL-AM & WLSS-AM; Move Strengthens Tampa Station Cluster

CAMARILLO, Calif.--(BUSINESS WIRE)--Feb. 28, 2005--Salem Communications Corporation (Nasdaq:SALM), the leading radio broadcaster focused on Christian and family themed programming, today announced that it will acquire WGUL-AM (860 AM), in Dunedin, FL and WLSS-AM (930 AM), in Sarasota, FL (Tampa market) from WGUL-FM, Inc., for a purchase price of \$9.5 million. Salem Communications expects to operate the stations in its News Talk format. Edward G. Atsinger III, President and CEO, commented, "The vibrant Tampa market continues to present opportunities to enhance our presence and build our cluster of stations serving this growing market. The addition of these two stations will enable us to deliver quality programming to area listeners as well as improve operating efficiencies." Salem Communications currently owns two stations serving the Tampa Bay area; WTBN-AM 570 and 910. Christopher M. Gould, Sr., serves as General Manager for both stations and will manage the new stations once the acquisition is completed. Salem Communications Corporation (Nasdaq:SALM), headquartered in Camarillo, Calif., is the leading U.S. radio broadcaster focused on Christian and family themes programming. Upon the close of all announced transactions, the company will own 106 radio stations, including 67 stations in 24 of the top 25 markets. In addition to its radio properties, Salem owns Salem Radio Network, which syndicates talk, news and music programming to over 1,900 affiliated radio stations; Salem Radio Representatives, a national sales force; Salem Web Network, the leading Internet provider of Christian content and online streaming; and Salem Publishing, a leading publisher of Christian themed magazines. Information may be accessed at the company's website, www.salem.cc. (AB-CA)

Bill Harms passes along the following, confirming earlier column info:

My local WTRI 1520 is back on the air after being off the air for a few weeks. It sounds like their format is adult standards and oldies. They have been shying away from rock and roll oldies. Their slogan is Vegas Radio. (BH-MD)

Dale Park passes along the following:

M's seeking Spanish station

Full story: http://seattletimes.nwsources.com/html/sports/2002192988_mariradio01.html

By: Miguel Romero, Seattle Times staff reporter

More weeks away from their home opener, the Mariners do not have a local radio station to carry their home games in Spanish. KKMO-AM (1360), known as Radio Sol, has decided to stop carrying the games in the Seattle area because of a dispute with the Spokane-based KXLY Radio Group, the company that holds the rights to carry Mariners games in Spanish. Radio Sol's parent company, Salem Communications of Southern California, still could strike a deal to put all 81 Mariners home games on another of its Seattle Spanish-language stations, KTFH-AM (1680). "I would think somebody would take it, if we don't," said KKMO general manager David Fitts. Fitts said it took the KXLY group too long to ask KKMO to carry the games in 2005, and that he was uncertain about a commitment from KXLY as late as last month. "It was too late to be selling commercials," Fitts said. "We weren't sure we were even going to be the carrying station until the last minute. Finally, they said we could, but we made other plans." Currently, the Mariners air only home games in Spanish. The team has a contract with the KXLY group, and KXLY had a five-station Mariners Spanish-language network last season that included KKMO. Other 2004 network stations were in Yakima, Tri-Cities, Wenatchee and Moses Lake. "KXLY Radio Group and the Mariners are hopeful that Radio Sol will remain our Seattle-area station," Randy Adamack, the Mariners' vice president of communications, said in an e-mail. "If not, other stations are being approached. Hopefully, we are able to find a partner." The consensus is that the Mariners' Spanish-language radio network is losing money, but it still is in its infancy and there is potential based on positive feedback from listeners. "It's disappointing if they (another station) don't pick us up," said Amaury Pi-Gonzalez, the team's Spanish-language play-by-play announcer. "You have to cultivate the market. You're not going to make a profit right away." (DP-HI)

Dale Park also passes along the following:

KPLY shakeup brings new faces to Reno talk radio

Forrest Hartman RENO GAZETTE-JOURNAL

Sports announcer Jim Rome is used to talking about big-time trades. Now, he's fallen victim to one. Rome's sports-talk show will leave the Reno-area airwaves Monday, to be replaced by liberal mouthpiece and former "Saturday Night Live" writer and performer Al Franken. The frequency now allotted to Americom Broadcasting's sports-heavy KPLY-AM will become KJFK-AM, a progressive-talk station, said Daniel Cook, general manager of Americom's Reno Radio Representatives. In exchange for Rome, Reno audiences will get political satirist Franken and other moderate-to-liberal hosts, including Stephanie Miller, Randi Rhodes, Lionel, and Ed Schultz, whose show has already begun airing on the station. "What makes it special is that it's completely unique, and it is a format

that's emerging across the country," Cook said. "Some people are more moderate than other people. ... It's just going to be a fresh new approach, some new ideas." Cook acknowledged that Reno is a primarily conservative market but said the format doesn't rely on a liberal populace. "It's working in San Diego, which is very conservative," he said. "You know what talk radio does. It inspires you to think a little bit, whether you agree or you don't agree. That's what sets talk radio apart from the rest of the formats. There are issues being discussed. Whether you're for them or against them, it stimulates your mind. And that's kind of why we call it progressive talk." KJFK's flagship program will be "The Al Franken Show," airing from 9 a.m. to noon weekdays. Franken and veteran radio host Katherine Lanpher host the program, which is a mix of satire and serious political commentary. The program features frequent interviews with guests, but call-in interaction with listeners is limited. The most notable victims of the format change are Rome, who will no longer have a home in the market, and local sports show host Bob D., who is moving to a sister station. Cook said D.'s daily program will air from 8 to 10 p.m. weekdays on 1270-AM The Buzz. As for Rome, Cook said he never performed well in this market. "That was a surprise for us," he said. "I liked him myself, but I don't know what the deal was." Although KJFK will be primarily a political talk station, the sports component will not disappear. Cook said he plans to continue carrying San Francisco Giants baseball, Monday Night Football and college and professional football games on weekends. Also in the works, Cook said, is a local announcer to compliment the station's syndicated hosts, but the station is still in the hiring phase. (DP-HI)

Pat Martin sends along the following from Bruce Winkelman of Tulsa, OK:

According to a post on the Oklahoma board on radio-info.com this evening, KFNy-1640 Enid, OK will drop All Comedy Radio for sports with Fox Sports Radio and Jim Rome, effective April 1. The poster referenced his source as AllAccess. (PM-OR)

Tim Noonan provided his usual monthly set of FCC call letter changes, thanks Tim! (TN-WI)

Frank Aden of Boise, ID sends along the following:

Liberal talk grabs air time
Clear Channel finds more listeners by changing format
By Dee-Ann Durbin, The Associated Press
Detroit- The day before President Bush's inauguration, listeners tuning in to the Detroit sports station WDXD-AM were suddenly greeted by the sound of braying donkeys. By the time Bush was taking the oath of office, the radio station had new call letters and a full schedule of liberal talk sows. WDXD-AM - now known as WDTW-AM - is one of 22 stations owned by Clear Channel Communications Inc. that have switched to a liberal talk format in the last year. This month, KTLK-AM in Los Angeles became the latest Clear Channel station to adopt the format. Those who track broadcasting trends say there's money to be made in liberal talk radio. Todd Webster, a consultant for Washington-based liberal talk show producer Democracy Radio, said Clear Channel is expected to introduce the left-leaning format on 20 more stations by the end of the year. "There is a tremendous appetite out there for progressive talk," he said. Webster said that even as recently as a year ago, no one thought Texas-based Clear Channel, a media conglomerate that owns 1,200 stations, would ever become partners with upstart liberal talkers. "There has been a tectonic shift in the industry form all of the big brains and the head honchos saying 'Nobody wants to listen to a bunch of whiny liberals on the radio' Webster said. The partnership might seem surprising because of Texas-based Clear Channel's conservative reputation. Clear Channel CEO Lowry Mays and his wife gave \$65,000 to the Republican National Committee in the last election cycle, and two-thirds of the company's federal donations went to Republicans, according to the Center for Responsive Politics. And last summer, a Berkeley, Calif.-based group sued Clear Channel, which also owns an outdoor advertising business, after it refused to run an anti-war billboard in Times Square during the Republican National Convention. The company also isn't seen as socially progressive. In December, Clear Channel stations in Tampa, Jacksonville, St. Louis and Detroit awarded breast enhancement surgeries to 13 women as part of the "Breast Christmas Ever" contest; at the time, the company said it had no oversight of the contests and didn't sponsor them. Clear Channel also pulled talk show Howard Stern off the air because of concerns over mounting indecency fines. The company says politics aren't involved in its decision to put liberal talk shows on the air. "I'm trying to identify needs in our various communities, whether it's German industrial music or punk rock or progressive talk", said Gabe Hobbs, vice president of news and talk programming for Clear Channel. "That happens to be good business". Hobbs said Clear Channel began programming offerings from Air America Radio, which produces comedian Al Franken's three-hour talk show, and Democracy Radio, which produces a popular show by liberal talker Ed Schultz, because listeners were demanding an alternative to conservative talkers Rush Limbaugh during the 2004 election. "The election dramatically raised everyone's interest in hearing political talk", Hobbs said. "I think polarization is one of the facets of any talk radio format, regardless of orientation". Hobbs said liberal radio is actually a return to the days before Limbaugh, when talk radio was dominated by left-leaning hosts like Alan Colmes, who is now seen on Fox News Channel's "Hannity and Colmes". Local station managers have the final say over the switch in programming. At WDTW, General Manager Dave Pugh was eager to give Detroiters a format they couldn't find anywhere else. "We are a blue state and a blue region and it just made sense", Pugh said. In Portland, Ore., KPOJ-AM had less than 1 percent of the market share before it switched from oldies to progressive talk on March 31. By summer, that had jumped to 4 percent, according to Arbitron ratings. In Ann Arbor, Mich., WLBY-AM jumped from 0.7 percent of the market to 2.2 percent after liberal programming replaced oldies in August. Hobbs said the story is similar all

over the country. Jim Goss, who analyzes the radio industry for Barrington Research, said Clear Channel is making a good decision by adopting a new format that listeners can't get elsewhere. "I think it's an experiment they feel is worth taking, and what is the risk if it doesn't work out?" Goss said. "One might think they'd like to be balanced, but their greatest interest is in being successful. They don't want to put a format on just to prove a point." Mort Potter, 38, an administrative assistant from Westland, Mich., said he listened to National Public Radio and the British Broadcasting Corp. before WDTW came along. He especially enjoys Franken and Florida-based host Randi Rhodes, although he says he hasn't yet heard a show he doesn't enjoy.

On the Net: Clear Channel Communications, www.clearchannel.com (FA-ID)

Ye **editor** passes on the following:

KUTR-820 Taylorsville, UT is reported to be testing of late (3/9/05) and will be on air soon, 6 tower night DA, 50 kw. day power. (RW-CA)

Dennis Gibson passes on the following:

To Trim Portfolio, Infinity Sells KFRC

March 11, 2005, By Katy Bachman

In keeping with the strategy to trim its radio portfolio, Infinity Broadcasting has struck a deal to sell KFRC-AM in San Francisco for \$35 million to Christian Family Stations, which operates non-commercial radio stations. KFRC currently simulcasts the Oldies programming on KFRC-FM, one of the five radio stations Infinity will continue to operate in the market. The motivation behind the deal was to comply with ownership requirements after Viacom announced in December it was purchasing KQVR-TV, the CBS affiliate in Sacramento owned by Sinclair Broadcast Group. The purchase gave Viacom a TV duopoly in the market. According to an Infinity spokeswoman, KFRC-AM's signal overlaps with the Sacramento market, where Infinity also owns six radio stations. The sale of KFRC-AM is the second deal Infinity has done with Christian Family Stations. Last year, the company sold WBGR-AM and WBMD-AM in Baltimore to the company for \$7.5 million. (DG1-CA)

Contributors:

Frank Aden, Boise, ID (FA-ID)

Art Blair, Folsom, CA (AB-CA)

Dennis Gibson, Santa Barbara, CA (DG1-CA)

Dave Gordon, San Jose, CA (DG2-CA)

Bill Harms, Brunswick, MD (BH-MD)

Pat Martin, Seaside, OR (PM-OR)

Tim Noonan, Madison, WI (TN-WI)

Dale Park, Honolulu, HI (DP-HI)

Robert Wien, Fontana, CA (Ye editor)

Still getting over a bad case of the flu, whole family has it! 6 days till St. Patrick's Day, may the luck of the Irish shine down on your DX'ing. Don't forget, the IRCA Anaheim convention is just 5 ½ months away, start making your plans to attend! 73's and good DX.

WESTERN DX ROUNDUP

Nancy Johnson – 265 Waterton Wy – Billings, MT 59102-7755

E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: March 25, April 8, April 22, May 6, May 20. Please use Eastern Time.

REPORTERS FOR THIS ANNIVERSARY ISSUE:

- (AB) **Art Blair**-507 Canyon Terrace Lane-Folsom, CA 95630 artngwen@calweb.com
NRD-515 and Kiwa loop
- (BB) **Bill Block**-7716 E. Thelma Dr.-Prescott Valley, AZ 86314 billwblock@msn.com
R-390A, HQ-140-XA, FRG-7, 150, 100 and 55 foot long wires
- (MF) **Martin Foltz**-25102 Pradera Drive-Mission Viejo, CA martin.foltz@qlogic.com
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- (LG) **Larry Godwin**-2390 Clydes Dale Lane-Missoula, MT 59804 lbg@mtwi.net
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- (GH) **Glen Hansen**-1925 Tualatin St.-St. Helens, OR 97051
skinner@columbia-center.org
Hammarlund SP-600, Drake R8B, R-390A, various wires, Radio Shack loop, amplified Sanserino air core loop
- (PM) **Patrick Martin**-P.O. Box 843-Seaside, OR 97138-0843 mwdxer@webtv.net
Drake R8, 1500' Eastern term. Beverage, 40' vertical for phasing, MFJ modified 1026 phasing unit
- (5P) **Dale Park**-Honolulu, HI DXFool@aol.com
Sangean ATS-818CS, Terk AM1000 loop

(NP) **Nigel Pimblett**-Box 168-Dunmore, AB ntp@shockware.com
 Kenwood R-5000, Beverage antenna

630 KCIS WA, Edmonds 2/17 1955 woman gave traffic report ending with "KCIS radio traffic." (NP-AB)

680 KNBR CA, San Francisco 2/28 0643 "Mike and Mike" show, 0657 PSAs, slogan "KNBR San Francisco, America's Favorite Sports Station" into ESPN Sportscenter, // KKEA-1420. Extremely rare here. Very poor, mucho KORL-650 QRM. (5P-HI)

690 KOAQ NE, Terrytown 2/27 2337 call ID's and slogan "Your hometown radio station," oldies music. (NP-AB)

770 KTTH WA, Seattle 2/17 1950 ads for dental office and plumbing company in Seattle. Rare with CHQR dominating. (NP-AB)

810 WHB MO, Kansas City 2/25 1939 ad for Baker University, then ID as "Sports Radio 810, WHB." (NP-AB)

WGY NY, Schenectady 3/2 good to fair with KGO phased, hard to keep a good null on KGO though. WGY with ABC net news, a few seconds behind KGO at 0202, then at 0205 "WGY News." Lower AU numbers tonight, so better eastern conditions. NO sign of WHB. Unneeded, but nice to hear. (PM-OR)

910 KPOF CO, Denver 3/8 2130 with "Christian Radio for Denver" and then into "Turning Point." (BB-AZ)

920 KWYS MT, West Yellowstone 3/1 2000 heard the KWYS call ID through a momentary pause on dominant KXLY. (NP-AB)

1020 KJJK MN, Fergus Falls 2/25 1933 ad for local printer, then back to high school basketball after call letter ID. (NP-AB)

1050 KORE OR, Eugene 2/24 0100 ad for Willamette Christian Resources and legal ID. Fair but choppy at times above unID. (GH-OR)

1100 KFAX CA, San Francisco 3/9 2355 "American Advisor with Joe Battaglia," teaser "AM 11 hundred KFAX... Focus on the Family exclusively..." ad, ID "The spirit of the Bay for over 40 years, KFAX AM 1100 San Francisco-Oakland... Salem Communications Station." Poor to fair. (5P-HI)

1150 KKNW WA, Seattle strong with promo for local program where listeners call in about their pets. Heard on car radio, 3/5 at 0955, when KSEN usually dominates. (LG-MT)

1170 KLOK CA, San Jose 3/2 2053 Spanish songs, ID at top of the hour. (MF-CA)

1230 ?KSJK? OR, Talent 3/10 0903 BBC's "Newshour," poor in the jumble. Only station I know of with BBC on this frequency at this time-slot. (AB-CA)

1250 KBRF MN, Fergus Falls 2/25 2005 end of CNN news, then ad for employment opportunity at Lakes Radio, and into "Lakes Radio Weather." (NP-AB)

1290 KGVO MT, Missoula 2/25 0005 Coast to Coast with George Norry. Excellent signal alone with no KUMA whatsoever. Drake & RS loop. (GH-OR)

1310 KNOX ND, Grand Forks 2/25 1914 coverage of the ND state high school hockey tournament. (NP-AB)

KZXR WA, 2/27 0005 weather report and ID as "The Source, KZXR Prosser, Sunnyside, Grandview." Last heard 4/04. Really weak. (GH-OR)

1320 KOZY MN, Grand Rapids 2/25 2011 end of snowmobile program, then into Beatles song. (NP-AB)

1340 KWXV CA, Cathedral City 3/1 2021 ID by woman mentioning Beautiful Music, mellow vocals, SID at 2031. (MF-CA)

KEWE CA, Oroville 3/1 0100 ID only at top of the hour "ESPN Radio Sports Fan 13-40 KEWE Oroville, Chico, Paradise, the north valley's sports leader" then gone. Also heard 2/26 at 2220 with ESPN Weekend. (MF-CA)

KVBR MN, Brainerd 2/23 2000 end of weather, "...satellite forecast on KVBR, Brainerd," then another ID "1340 KVBR Brainerd-Baxter, the national news is next," then into USA radio network news. (NP-AB)

KTSN NV, Elko 3/10 weak with call ID and city at 0800, but not the same oldies ID I heard in February. Format change? The 2/2 DXM said KTSN was changing from oldies to talk. (LG-MT) (I heard them 3/8 with an "Oldies 1340" ID.--NJ)

KWVR OR, Enterprise 3/10 0900 weak but on top with call ID. (LG-MT)

?KTMP? UT, Heber City 3/10 0800 seemed the weak call ID just after KTSN. Would be a new catch. (LG-MT)

1350 KRLC WA, Clarkston 2/26 2315 ad for Western Photo Center, C&W music with fair signal all by itself, no KSDO. Drake & RS loop. (GH-OR)

1370 KSUM MN, Fairmont 2/25 2021 ads for local businesses, including Holiday Inn in Fairmont, then into basketball coverage. (NP-AB)

CFOK AB, Westlock 2/26 0100 ID and country music. Very weak & choppy, alone in the static, no KXTL. Not heard since August. (GH-OR)

1380 KCIM IA, Carroll 2/25 1917 "Forecast for KCIM listening area" then a local ad and into obituaries. (NP-AB)

1400 KJDY OR, John Day 3/10 0900 s/on with SSB. (LG-MT)

1430 KYKN OR, Keizer 2/26 0031 ad for Keizer Electric and Dr. Laura Show. Michael Medved Show with fair signal, no KLO or KBRC. Odd! (GH-OR)

KLO UT, Ogden 3/11 0930 ID "AM 14-30 KLO," talk on local issues, weather, very poor in KMRB null. (MF-CA)

1450 KMMS MT, Bozeman 2/19 0400 coming in over Spanish language station with ID as "Newsradio AM 1450 KMMS, Bozeman," then into ABC news. (NP-AB)

KZZJ ND, Rugby 3/4 2000 almost alone on the channel with call letter ID, then into AP network news. (NP-AB)

KKXO OR, Eugene 2/28 2104 gal with end of CNS news, ID. (AB-CA)

KFLS OR, Klamath Falls 2/28 2107 ESPN's "Game Night" program. Re-check 2323 still going strong. (AB-CA)

KONP WA, Port Angeles 3/2 0030 sports talk and weather report from meteorologist Tom Churchill. Weak but mostly on top of the pile. New. (GH-OR)

1480 KRAE WY, Cheyenne 3/1 1939 ID as "Cheyenne's real country, 1480 K-Ray." Quite rare here, considering it's not that distant. (NP-AB)

1490 KBLF CA, Red Bluff 3/1 0835 weather for northern California, ID. Strongest heard in some time. (AB-CA)

1570 KPRO CA, Riverside 3/5 had a fair signal, in the clear, with ID and CNN Radio News update at 0958, on car radio. (LG-MT)

1590 KLIV CA, San Jose 3/7 2038 ID's, ads, news, weather, traffic, in & out of the mess. (MF-CA)

KTCH NE, Wayne 3/1 1821 promo for local program, with mention of Wayne business, then semi-ID as "More than memories, country classics 1590." (NP-AB)

DX TESTS

920 WOKY WI, Milwaukee 2/20 0114 first of several code ID's heard during DX test. Couldn't catch any voice ID's though. (NP-AB)

1130 WISN WI, Milwaukee DX test 2/20 0100 ID at the hour, then into local news. Faded under CKWX, but heard code ID at 0606. (NP-AB)

Thanks to our reporters to this anniversary issue WDXR. Nancy 3/11 2100

CENTRAL DX ROUNDUP

John C. Johnson – 265 Waterton Wy – Billings, MT 59102-7755

E-mail: John_Johnson@prodigy.net CDXR reports ONLY: cdxr@prodigy.net

RIDING GAIN

[NJ-MT] **Nancy Johnson**, Billings, MT NancyJohnson@Prodigy.net
 Drake R8B, Kiwa loop.

[PAL-MN] **Paul A. LaFreniere**, Grand Marais, MN Plafren@peoplepc.com
 McKay Dymek DR-22, DA-100, Superadio III

[JJR-WI] **John J. Rieger**, South Milwaukee, WI JohnJRieger@WebTV.net
 Drake R8, Icom IC-R75, Icom IC-T70, Kenwood R1000, Yaesu FRG100.
 Kiwa loop, 100' longwire, Terk AM 1000 Loop, MF J959B, GE Superadio III.

[MS-MB] **Morris Sorensen**, Winnipeg, MB mosor2002@shaw.ca
 Drake R8 with Quantum QX Pro Loop, Hammarlund HQ-150 with SM-2 Space Magnet Loop, DX-392 and YB-400 portables.

DOWN THE DIAL

580 WJMJ LA, Alexandria. 2-26 poor. 23:00 with legal ID. EWTN programming. [JJR-WI]

590 KQNT WA, Spokane. 2-21 fair. 07:59 with spot for a furnace and heating company. ID as "Eastern Washington's News Talk Leader, 5-90 KQNT." [MS-MB]

660 KTNN AZ, Window Rock. 2-26 poor, no WFAN. ID. Heard again 2-28 strong. [JJR-WI]

790 WXXA KY, Louisville. 2-21 poor. 06:49 with "Louisville's X-tra Sports 7-90." [JJR-WI]

850 KWOF IA, Waterloo. 2-25. 08:06 With "Today's Christian Hits on kay-woof." [PAL-MN]

870 WMTL KY, Leitchfield. 2-21 very poor. 07:31 OC then live sign on. New. [JJR-WI]

980 WPRE WI, Prairie du Chien. 2-27 very poor with WCUB and WONE nulled. 07:42 with "Crusin' 9-10" slogan. Rare here. [JJR-WI]

1010 CBR AB, Calgary. 2-28. 19:10 with "CBC 10-10 in Calgary" followed by weather and traffic reports. [NJ-MT]

1020 KOIL NE, Plattsmouth. 2-28 excellent signal. 19:00 with "Your brand of country is back on the radio. This is KOIL Plattsmouth, Omaha. You're locked on coil country 10-20" into ABC News. [NJ-MT]

1050 KEYF WA, Dishman. 2-27. 10:55 with ID at end of talk program. [NJ-MT]

1090 WTNK TN, Hartsville. 2-21 poor, alone. 07:28 with ID, weather, country music. [JJR-WI]

1160 WAMB TN, Donelson. 2-27 fair, strong, no WYLL. 07:04 ID in religious program. [JJR-WI]
 1180 WLDS IL, Jacksonville. 2-27 poor. 07:18 weather, ID, AC music format. [JJR-WI]
 1190 WLIB NY, New York. 3-9. 21:04 suddenly appeared on top with mentions of WLIB and "Talk Radio." [PAL-MN]
 1240 KBLL MT, Helena. 2-26. 09:49 with local spots, mentions of Helena and MT. [PAL-MN]
 KLTZ MT, Glasgow. 2-26. 09:10 with local spots, weather. [PAL-MN]
 1250 WARE MA, Ware. 3-9. 20:20 with spot for a Westfield hospital, other spots. [PAL-MN]
 1280 WNAM WI, Neenah. 2-21 poor to fade out. 06:36 with ID, "Storm Team 2" weather. Not common here despite its closeness. [JJR-WI]
 1290 WKBK NH, Keene. 3-9. 20:00 with mention of CBS and NBC News broadcasts, ID "12-90 WKBK Keene." New for me. New state! State number 47. [PAL-MN]
 1340 KCFR CO, Denver. 3-8 poor though many others. 22:59 with ID. Had previously heard NPR programming. [NJ-MT]
 KTSN NV, Elko. 3-8 good over others. 21:00 with "Oldies 13-40 KTSN Elko" into local news. [NJ-MT]
 1420 WHK OH, Cleveland. 2-26 poor over others. 06:22 ID, "Bill Bennett Show." [JJR-WI]
 1440 WPRS IL, Paris. 2-26 poor in fade up over WNFL and WROK. 07:05 with ID, oldies format. This is rare here. [JJR-WI]
 1490 CFPS ON, Port Elgin. 2-21. 17:30 with Ag markets for Ontario on the "Ag Network." Spots for firms in Owen Sound. [PAL-MN]
 1550 KRPI WA, Ferndale. 2-27 excellent signal. 18:59 with ID "You're listening to Cheray Punjab on KRPI 15-50 AM Ferndale, Vancouver, Bellingham." [NJ-MT]
 WCVL IN, Crawfordsville. 2-21 poor to fade out. 06:56 with detailed EEO info. [JJR-WI]
 WIRV KY, Irving. 2-21 poor, alone. 01:53 with "Tri-cities Oldies Network." [JJR-WI]
 1580 WVOK AL, Oxford. 2-21 poor, but dominating. 01:46 with ID, oldies. [JJR-WI]

DX TESTS

920 (WOKY) WI, Milwaukee. 2-20 DX Test not heard. Too much CFXY. [MS-MB]
 1130 WISN WI, Milwaukee. 2-20 DX Test. 01:06-02:00 heard several code ID's through KFAN. Some voice heard. Voice and code at end of test. Relog for me. [MS-MB]
 1240 KEVA WY, Evanston. 2-20 DX Test. 02:00-02:40 heard some code ID's. New. [MS-MB]
 1490 (WTTB) FL, Vero Beach. 2-20 DX Test not heard here. [MS-MB]

25 YEARS AGO

March 15, 1980 Anniversary issue of IRCA's "DX Monitor" ... **Rick Segales** of San Francisco, CA said he was 27 and had been a member for 8 years ... **Ernest R. Cooper** of Provincetown, MA said he was born in 1918 and had been DX'ing since 1932 ... **Neil Wolfish** of Toronto, ON said he was 17 and got into BCB DX in 1976 ... **Mike Hardester** of San Marcos, CA said he was 30 and had been DX'ing since 1968 ... **Patrick Martin** of Seaside, OR said he was 30 and started to DX in 1962 ... **Nick Hall-Patch** of Victoria, BC said he was 30 and told about his year old daughter, Lucy ... **Jef Jaisun** of Kirkland, WA said he was 34 and had been DX'ing for over 20 years ... **Bruce Portzer** of Seattle, WA said he was 28 and began DX'ing in 1964.

OPEN MIKE

It's IRCA's Anniversary! We've come a long way! Congratulations to Paul for logging state number 47! Nice DX! As all of you know, **Don Erickson** died recently. Many of you got to know DEE and are aware of his great work for the club. I first meet Don in 1964 when he and his parents drove through Sheridan, WY while on vacation. I got to spend an afternoon talking with Don about the club and DX. Fond memories from my early DX years. This column was typed 3-12-05. 73, John

EASTERN DX ROUNDUP

Lee J. Freshwater – 414 SE 3rd St. – Ocala, FL 34471

E-mail: lfreshwater@cox.net

Deadlines: 0800 - 3/26, 4/09, 4/23, 5/07, 5/21, 6/04, 6/18

STARS OF THE WEEK

(IEN-GA)	Ira Elbert New	Watkinsville, GA Drake R8B, 135' N/S LW, Sangean ATS 909
(CJG-KY)	Chris Gray	Lexington, KY KENWOOD TS-2000, Vertical Ant
(WM-MD)	William McGuire	2412 59th Place, Cheverly, MD DX-398
(wjh-MD)	Bill Harms	6009 Bauman Dr Elkridge, MD 21075-5501 wharms@comcast.net Drake R-8b, Homebrew K9AY
(KW-KY)	Ken Wilson	Georgetown, KY RX340, DRAKE R-8B, K9AY antenna; ALA 1530

LOGGINGS

560	ON	CFOS	Owen Sound 07:45 2/18/05 Road Cond.	(KW-KY)
	IL	WIND	Chicago 12:40 2/18/05 News Talk 560.	(KW-KY)
	TN	WHBQ	Memphis 21:05 2/18/05 River Kings Hockey.	(KW-KY)
	SC	WVOC	Columbia 21:51 2/18/05 Hair Growth ad.	(KW-KY)
	KY	WMIK	Middlesboro 10:00 2/26/05 Gos MX.	(KW-KY)
	MD	WFRB	Frostburg 17:45 2/21/05 560//1450 WTBO.	(KW-KY)
	TX	KLVI	Beaumont 19:45 2/22/05 News Talk 560.	(KW-KY)
	PA	WFIL	Philadelphia 18:45 2/23/05 WX Report.	(KW-KY)
	TN	WNSR	Brentwood 13:45 2/25/052 ESPN Radio.	(KW-KY)
580	LA	KJMJ	Alexandria 03/06 1955 Catholic rosary.	(CJG-KY)
600	FL	WBWL	Jacksonville 02/25 1958 Child's voice, followed by an ID of "Radio Disney" in the clear on an otherwise crowded channel.	(CJG-KY)
	KY	WKYH	Paintsville 02/26 1130 Talk show about computers and BOH ID. Under splatter from local on 590.	(CJG-KY)
	NC	WSJS	Winston-Salem 3/12 0630 ID as "WSJS 600-1200," local ads, wx, and "WSJS Yard Sale." Good with WCAO tightly nulled.	(WJH-MD)
	WV	WVAR	Richwood 2/27 0659 Full Sign on announcement. Mentioned "Real Country" Through a sharply nulled WCAO.	(WJH-MD)
610	VA	WVBE	Roanoke 3/9 1925 R and B music and ID as "Vibe 100" Possible TOH ID at 2000. Fair through nulled WIP.	(WJH-MD)
620	FL	WDAE	St. Petersburg 03/06 1830 Fox Sports Radio and BOH ID. Huge signal.	(CJG-KY)
640	OH	WHLO	Akron 03/04 1750 Sean Hannity Show. Clear ID.	(CJG-KY)
660	OH	WXIC	Waverly 02/26 1200 Preacher, then news at TOH.	(CJG-KY)
	OH	WXIC	Waverly 3/8 1839 Gospel music. Good signal with slight fading "We're more than music, we're ministry. WXIC, Waverly, Oh."	(IEN-GA)
710	KY	WEKC	Williamsburg 3/10 1902 TOH ID, local ad.Strong.	(WJH-MD)
730	KY	WMTC	Vancleve 02/26 1209 ID, then a community calendar prm.	(CJG-KY)
760	NY	WCHP	Champlain 3/10 1802 Been after this one for years. Finally heard ID in WJR semi-null. (They were hard to null probably due to multi-path reception.	(WJH-MD)
780	ME	WTME	Rumford 3/4 1700 CNN Headline News local ads, frequent IDs as "CNN 12-40". Heard a spot for a program on WTME and WKTQ. Fair with WABS phase-nulled.	(WJH-MD)
800	WV	WVHU	Huntington 02/26 1218 ID, then into talk show.	(CJG-KY)
810	KY	WEKG	Jackson 02/26 1228 ID, then into music.	(CJG-KY)
850	OH	WKNR	Cleveland 03/05 1100 Sports talk and news.	(CJG-KY)
870	KY	WMTL	Leitchfield 03/04 1600 ID, then local news, then Dave Ramsey Show.	(CJG-KY)
900	PA	WURD	Philadelphia 3/4 1640 Was one of my most wanted, reception due to WILC. Popped in with ID. That was the only thing heard!	(WJH-MD)
	NY	WBRV	Boonville 3/4 1640 Surprisingly strong through phase-nulled WILC with ID as "on any of the programs on WBRV 900 are not necessarily ...staff and management."	(WJH-MD)
	PA	WCPA	Clearfield 2/27 0725 Weather, accident/traffic report, ID and local talk. Over the channel mess. WILC nulled.	(WJH-MD)
950	WV	WVTS	Charleston 3/1 1803 ID as "Supertalk 9-50 WVTS Charleston."; local ad into Michael Savage. Over all.	(WJH-MD)
980	WV	WHAW	Weston 2/27 0619 Popped in with ID as "another oldie right around the corner, AM 9-80 WHAW." W/nulled WTEM.	(WJH-MD)
990	MI	WDEO	Ypsilanti 2/26 0059 Program Reviews including "... at 11 on WDEO 9-90 and WMAX 14-40. This was followed by a TOH ID as "Southeast Michigan, WDEO Ypsilanti."	(WJH-MD)
1030	WY	KTWOt	Casper 3/1 1932 tentative Tim Ray Talk Show with a Mr. Gallagher substituting. Spoke about sports and memories. WBZ phase-nulled. QRM from Mexico and other co-channel stations (KCTA).	(WJH-MD)
	TX	KCTA	Corpus Christi 3/1 1958 Full Sign Off . Heard the same off with better reception on 3/3. WBZ phase-nulled.	(WJH-MD)
1040	OH	WJTB	North Ridgeville 3/1 1833 Full Sign off over the mess.	(WJH-MD)
1060	KY	WFLE	Flemingsburg 03/04 1630 ID, then country music.	(CJG-KY)
1090	AR	KAAY	Little Rock 2/27 2159 Local spot, ID as "AM 10-90 KAAY Little Rock," into a new program. Amazingly easy through a phase-nulled WBAL (15 miles away). First time heard with WBAL on.	(WJH-MD)
1230	NC	WCBT	Roanoke Rapids 3/1 0500 Popped in with TOH ID as "WCBT Roanoke Rapids" WITH phase-nulled.	(WJH-MD)

1230 PA WCRO Johnstown 2/28 0400 TOH ID as "WCRO Johnstown" into network news. Local station WITH phase-nulled. (WJH-MD)

1290 NC WHKY Hickory 2/27 1659 Motor Racing Network program. ID during pause of coverage as "You are listening to NASCAR Racing on AM 12-90 WHKY Hickory." (WJH-MD)

1300 GA WMTM Moultrie 3/8 1830 ID including location into Network News. I was confused for a minute because I had WMTN earlier. Good in WJFK's tight null. (WJH-MD)

TN WMTN Morristown 3/5 1842 Local ad, ID as "You are listening to 13 hundred AM WMTN Cool (or Cruisin') Oldies WMTN Morristown... The Big..." Fair in WJFK's null. (WJH-MD)

1310 NC WTIK Durham 2/25 2124 ID into possible black gospel song. Fair with the channel mix. (WJH-MD)

KY WDOC Prestonburg 3/11 0500 TOH ID as "WDOC Prestonburg, your home for the... Solid Gospel for the new Christian...." Through the channel mess. (WJH-MD)

1360 NJ WNJC Washington Twp. 2/22 1800 "Thank you for listening to WNJC Washington Township". (WJH-MD)

NY WYOS Binghamton 2/27 2107 Shopping Smart Program and ID as "Talk Radio 13-60 WYOS Binghamton." Good over all. (WJH-MD)

1430 MA WPNI Amherst 3/1 0819 NPR Morning Edition, spots for Prairie Home Companion and other NPR programs, ID as "The World on WPNI Amherst." Good through phase-nulled local WNAV. (WJH-MD)

1460 MY WHIC Rochester 2/25 1659 Classical music program called "Hour of Divine Music," ID, then TOH ID as "your place for (Catholic) spirituality, 14-60 AM WHIC Rochester, the Station of the Cross." Good. (WJH-MD)

1500 MI WLQV Detroit 2/25 2359 Heard bits and pieces of the Dave Ramsey Show from 2315 and finally a positive ID at 2359:30. Poor to fair under a sharply nulled WTOP with is 19 miles away from here. (WJH-MD)

MN KSTP St. Paul 3/1 1905 Local ads, quick swallowed ID at 1905:30, another local ad, and ID at 1906 "Sean Hannity... KSTP", and then the Sean Hannity Theme "Let Freedom Ring." Under a tightly nulled WTOP. 1500 # 4. (WJH-MD)

1530 NC WLLQ Chapel Hill 3/5 1828 Full sign off, mentioned WLLQ 1530, WRTG 1000, and 1060 WGSB. Over nulled KYW. (WJH-MD)

1590 MD WKHZ Ocean City 2/28 1544 Spot for what sounded like Ocean City Dog House and a local gym. Information about a local church, ID as "KHZ Radio," and local wx. First time heard with new calls. Fair through phase-nulled WFBF. Only one MD station left WMSG 1050. (WJH-MD)

Back from our visit to Nassau, St. Thomas, St. John and St. Martin. Our thanks to Carnival Cruise Lines for a fun time. But now it's back to Reality.... A big THANK YOU to Wolfgang Schnitter, who provided the needed DXMs I was looking for. Thanks to you all 3/13 0700.....

DX WORLDWIDE – WEST / TROPICAL BAND DX

Patrick Martin – P.O. Box 843 – Seaside OR 97138

E-mail: mwdxer@webtv.net

all times UTC

Happy Anniversary everyone. May we be around for another 41!! Another year has passed and we are still at the dials logging the DX. All TP DX this time around, so away we go.

TRANS-PACIFIC DX ROUNDUP

531 **AUSTRALIA**, Kempsey 2PM, good with pop music at 0945 UTC 3/12. (PM-OR)

594 **JAPAN**, Tokyo JOAK 3/2 at 1347 with good signals with man and woman in JJ. (PM-OR)

612t **AUSTRALIA**, Brisbane, QLD. 4QR, 2/27 1624 Woman giving out call-in phone number 800-800-Triple 3, into song "Backstabbers" by the O'jays, 3 seconds ahead of presumed 4QN-630. Very poor. When I logged 630 the last time, the phone number they gave for call-ins ended in triple 2. Which is it? (5P-HI) (Maybe they have more than one number or it changed? PM)

639 **FIJI**, Lautoka, Radio Fiji One fair with man in Fijian at 0830 3/12. Best heard in a while. (PM-OR)

702t **AUSTRALIA**, Sydney, NSW 2BL, 2/28 1208 Woman talking to male guest about something(!) Aussie accents. Very poor and fractured reception, some KORL 690 QRM. (5P-HI)

738 **TAHITI**, Mihanahrd well with woman in FF at 0753 3/12. (PM-OR)

972 **CHINA**, Xinjiang, RGD 3/4 1440. Noted with brief peaks to good level with CC orch. mx and male ancr in minority language (listed Kazakh), // to 4330 khz. By 1445 Xinjiang had faded and was replaced by the more common Asia on the frequency HLCA KBS Liberty 1 from Korea in KK. This week has been a good TP DX from the more common JJ MW frequencies too, such as 594, 747, and 774 khz. (GA-WA) (Guy, really a great catch. Congrats. PM)

THANKS TO THESE GREAT REPORTERS!

GA-WA - **GUY ATKINS**, Puyallup WA dx@guyatkins.com
DXing with Mod ICOM IC-756Pro and mod ICOM R75 with Kiwa MAP /ERGO. Antennas 450 and 700 foot beverages.

BB-OR - **BILL BLOCK**, 7716 East Thelma Dr, Prescott Valley AZ 86314 billwblock@msn.com
DXing with R390A, HQ-140, FRG-7, Antennas: 150, 100, 55 foot longwires

5P-HI - **DALE PARK**, PO Box 10640, Honolulu HI 96816 dxfool@aol.com
DXing with Sangean ATS-818CS, Terk AM1000 loop

PM-OR - **PATRICK MARTIN**, PO Box 843, Seaside OR 97138-0843 mwdxer@webtv.net
DXing with Drake R8, mod. Kenwood R1000, EWE antenna, 1500 Eastern beverage, 40 foot vertical for phasing, MFJ 1026 phasing unit.

DX WORLDWIDE - EAST

Brandon Jordan – 4920 Park Ave. – Memphis, TN 38117

E-mail: bjordan@bcdx.org

all times UTC

Mark Connelly reporting again with another great batch of TA loggings.

*** TRANS-ATLANTIC DX ***

531 **SWITZERLAND** DRS1 / Musikwelle, Beromunster, FEB 28 0412 - old-fashioned instrumental Alpine waltz music, then a polka; good, about equal level to RVC-530 and easily splittable from it. [Connelly*B-MA]

549 **ALGERIA** Alger Chaîne 1, Les Trembles, FEB 27 0221 - Arabic vocal & violins; loud. + MAR 8 0421 - large-orchestra Middle Eastern music, then a cappella male vocal chanting; very good. [Connelly*B-MA]

549 **IRELAND** Irish Christian Broadcasters, Monaghan, FEB 26 0133 - English language religious program with folk music; atop others. [Connelly*B-MA]

558 **SPAIN** RNE R.5 synchros, MAR 8 0419 - // 621 with Spanish talk by woman; fair. [Connelly*B-MA]

567 **IRELAND** RTE R.1, Tullamore, FEB 26 0412 - I had to start partying when RTE played "Roadrunner" by Jonathan Richman & the Modern Lovers: a '70s tune glorifying the great days of rock 'n' roll AM radio in Massachusetts. Super signal at the time, so I could really crank it up like 'RKO and 'MEX of yesteryear.
+ FEB 27 0216 - talk about the IRA; to good peak.
+ MAR 1 0202 - fiddle music, RTE R.1 ID.
+ MAR 2 0332 - "O'Connor Awards" promo, mention of RTE's web and postal addresses; very good. [Connelly*B-MA]

603 **FRANCE** France Info, Lyon-Tramoyes, FEB 27 0215 - // 1206 with French female vocal of "Summer Samba" tune from '66; good. [Connelly*B-MA]

621 **CANARY ISLANDS // SPAIN** RNE R.1 synchros, Santa Cruz de Tenerife et al., MAR 8 0417 - fast-talk news in Spanish by man & woman; good. [Connelly*B-MA]

639 **SPAIN** RNE R.1, La Coruna et al., MAR 1 0007 - Spanish news by woman; good, some CBN slop. [Connelly*B-MA]

693 **UNITED KINGDOM** BBC R. 5 Live, Droitwich et al., FEB 26 0136 - sports-related talk; poor in WRKO-680 slop. [Connelly*B-MA]

747 **NETHERLANDS** R. 747 AM / R.1, Flevoland, FEB 28 0117 - Dutch talk by man; good, over CBY/WSB-750 slop.
+ FEB 28 0359 - light pop vocal, then man in Dutch mentioned the Oscar ceremonies in progress at the time. Excellent signal.
+ FEB 28 0421 - dramatic '60s-style "spy movie" instrumentation (like that on "The Saint" TV show and in James Bond films). [Connelly*B-MA]

756 **GERMANY** Deutschlandfunk, Braunschweig & Ravensburg, MAR 4 2216 - German telephone interview; good. [Connelly*B-MA]

765 **SWITZERLAND** RSR Option Musique, Sottens, FEB 27 0201 - French news by woman; loud.
+ FEB 28 0358 - French song in style of '60s Peter, Paul, & Mary. Jazz followed. [Connelly*B-MA]

774 **EGYPT** Middle East R., Tanta, FEB 27 0224 - female Arabic vocal; over Spain.
[Connelly*B-MA]

774 **SPAIN** RNE R.1 synchros, FEB 28 0357 - Spanish talk followed by romantic duet vocal; excellent. [Connelly*B-MA]

864 **EGYPT** Holy Koran Pgm., Santah, FEB 28 0122 - Arabic male vocal; over France.
+ MAR 1 0238 - Koranic vocal; now huge, way over France. [Connelly*B-MA]

864 **FRANCE** France Bleu, Villebon-sur-Yvette, FEB 28 0356 - French vocal & piano; good.
+ FEB 28 2222 - teletalk with man & woman; good.
+ MAR 1 0226 - French male folk vocal & guitar; good. [Connelly*B-MA]

882 **UNITED KINGDOM** BBC R. Wales, Washford, MAR 2 0335 - woman in English; fair.
[Connelly*B-MA]

909 **UNITED KINGDOM** BBC R.5 Live synchros, FEB 28 2225 - talk about the House of Lords and political matters including the European Union policy on human rights; good to excellent, better than adjacent WABI-910 at times.
+ MAR 4 2248 - sports-related talk with mentions of rugby; fair. [Connelly*B-MA]

945 **FRANCE** France Info, Toulouse, MAR 1 0412 - light music, then French talk by man; fair.
[Connelly*B-MA]

963 **FINLAND** (t) YLE R. Finland, Pori, MAR 4 2212 - probably this during good Scandinavian conditions: classical music; fair in CHNS slop. [Connelly*B-MA]

972 **GERMANY** (t) NDR Info, Hamburg, MAR 4 0438 - likely this with nostalgia music including '40s version of "My Blue Heaven" (later done by Fats Domino); momentarily good, faded before any talk was noted. [Connelly*B-MA]

981 **ALGERIA** RTVA Chaîne 2, Algiers, MAR 8 0255 - Arabic male vocal; to fair peak with WCAP off the air for a few minutes. [Connelly*B-MA]

999 **MOROCCO** RTM A, Tanger, FEB 26 0043 - most likely this with Arabic talk, then music; generally over Spain. [Connelly*B-MA]

999 **SPAIN** COPE, Madrid, FEB 28 0353 - possibly sports-related Spanish talk by man & woman who read a list of names and numbers; much stronger than the 1000 jumble (WMVP/Venezuela/Colombia/Brazil).
+ MAR 8 2302 - Spanish telephone news interview; good. [Connelly*B-MA]

1017 **GERMANY** SWR Cont. R., Wolfsheim, FEB 26 0143 - woman in German; fair to good.
[Connelly*B-MA]

1044 **SPAIN** SER synchros, FEB 28 0455 - Spanish news; fair to good. [Connelly*B-MA]

1053 **UNITED KINGDOM** TalkSport synchros, MAR 4 2246 - teletalk about a previous broadcast; fair. [Connelly*B-MA]

1062 **DENMARK** Danmarks R., Kalundborg, MAR 4 2245 - Scandinavian-language dance club vocal; over WBIX slop. [Connelly*B-MA]

1098 **SPAIN** RNE R.5 synchros, MAR 1 0012 - // 1107 with Spanish teletalk; good.
[Connelly*B-MA]

1107 **SPAIN** RNE R.5 synchros, MAR 1 0012 - // 1098 with echoey Spanish teletalk; over Arabic sounding station that was probably Egypt.
+ MAR 8 2301 - Spanish news; fair. [Connelly*B-MA]

1116 **ITALY** RAI R. Uno synchros, MAR 7 0455 - // 1575 with test tone alternating with water-dripping sound. To fair peak, over Spain at the time. [Connelly*B-MA]

1116 **SPAIN** SER synchros, MAR 7 0435 - man & woman in Spanish; fair to good.
[Connelly*B-MA]

1134 **CROATIA** Glas Hrvatske, Zadar, FEB 26 0144 - Croatian talk by woman; loud.
+ FEB 28 2231 - emotional Slavic male vocal; local-like.
+ MAR 4 2203 - Croatian news by man; excellent, better than WBBR-1130. [Connelly*B-MA]

1143 **unID** FEB 28 0435 - strong blank carrier overriding Spain. Faded before 0500 UTC.
[Connelly*B-MA]

1169 **IRAN** FEB 28 0103 - a cappella male chanting in a large echoey room; huge signal, better than WWVA-1170. [Connelly*B-MA]

1170.7 **unID** MAR 7 0437 - het on high side of WWVA; seemingly too late for anything from Persian Gulf area (UAE, Iran). [Connelly*B-MA]

1179 **SWEDEN** R. Sweden International, Solvesborg, FEB 28 2233 - English language news about Sweden, detailed weather reports for Stockholm and other cities; loud, better than WHAM-1180.
+ MAR 4 2202 - news by man in Swedish; good.
+ MAR 4 2243 - English talk about industrial development in northern Europe. [Connelly*B-MA]

1179 **unID** MAR 4 2243 - music with a Balkan, Greek, or Middle Eastern sound; under Sweden.
[Connelly*B-MA]

1206 **FRANCE** France Info, Bordeaux, FEB 26 0145 - Elton John song; good.
+ FEB 27 0207 - good with smooth jazz.
+ FEB 28 0436 - French teletalk; good. [Connelly*B-MA]

1214.9 **ALBANIA** CRI relay, Filake, MAR 3 2216 - bits of Slavic talk (Serbian listed) & growl against the 1215.0 stations. Virgin Radio then took over. [Connelly*B-MA]

1215 **UNITED KINGDOM** Virgin R. synchros, FEB 28 2355 - "Hey Jude" by the Beatles; to good peak.
+ MAR 4 2201 - "Imagine" by John Lennon; good. [Connelly*B-MA]

1242 **FRANCE** France Info, Marseille, MAR 7 0439 - bits of French talk & music; poor.
[Connelly*B-MA]

1314 **NORWAY** NRK, Kvitsoy, FEB 26 0148 - blues guitar; good.
+ MAR 4 0433 - Norwegian talk by man, then a woman spoke over a lush instrumental music background; good.
+ MAR 4 2240 - Norwegian country/folk male vocal with guitar and accordion; excellent.
[Connelly*B-MA]

1359 **SPAIN** RNE, Arganda del Rey, MAR 7 0322 - Spanish teletalk; loud, S9+30 peaks.
[Connelly*B-MA]

1422 **ALGERIA** Algiers, FEB 26 0053 - Arabic music; over Germany. [Connelly*B-MA]

1422 **GERMANY** Deutschlandfunk, Heusweiler, MAR 7 0336 - classical music; very good.
[Connelly*B-MA]

1431 **DJIBOUTI** R. Sawa, Arta, FEB 28 2239 - Arabic female rock vocal; to good peak despite WXKS slop.
+ MAR 8 2256 - Sawa ID, then rhythmic music; to fair peak over WXKS slop. [Connelly*B-MA]

1467 **FRANCE** TWR, Roumoules, FEB 28 2245 - man in Arabic; excellent.
+ MAR 7 0442 - musical-box interval signal started up at 0442 UTC, then into German talk and hymn-singing at 0445. LOCAL-LIKE signal, swamping WAZN/WLAM-1470.
+ MAR 8 2309 - Arabic-sounding talk by man; to good peaks. [Connelly*B-MA]

1512 **BELGIUM** R. Netherlands, Wolvertem, FEB 28 2250 - English talk about business; noted during breaks in the audio on local WWZN. [Connelly*B-MA]

1512 **unID** MAR 7 0330 - maybe Belgium here with religious-sounding music; through severe WWZN slop. [Connelly*B-MA]

1521 **SAUDI ARABIA** BSKSA, Duba, FEB 28 2242 - // 9555 with Arabic talk; over second Middle East station.
+ MAR 7 0335 - female Arabic vocal; very good.
+ MAR 8 2248 - Arabic talk by woman; good, best TA at local sunset. [Connelly*B-MA]

1521 **IRAN** (t) IRIB 1, Kiasahr, FEB 28 2242 - likely this with Middle Eastern music, behind stronger Saudi Arabia which had talk. [Connelly*B-MA]

1530 **VATICAN CITY** R. Vaticana, MAR 7 0450 - Slavic-sounding talk by woman; under WCKY.
[Connelly*B-MA]

1548 **KUWAIT** R. Sawa, Kabd - Kuwait City, FEB 28 2253 - Arabic dance music vocal with Afropop influences; good. [Connelly*B-MA]

1557 **FRANCE** France Info, Fontbonne, MAR 7 0333 - French talk by woman; excellent.
[Connelly*B-MA]

1575 **ITALY** RAI R. Uno synchros, MAR 7 0453 - characteristic start-up sequence of test tones alternating with a dripping water (or clinking glass) type of sound; through CFAV slop.
+ MAR 7 0503 - Italian news by man & woman; fair, over Spain. [Connelly*B-MA]

*** CONTRIBUTOR ***

Mark Connelly - MarkWA1ION@aol.com

[Connelly*B-MA] = Billerica, MA (GC= 71.221 W / 42.533 N) (home)

Receiver: Drake R8A, Palstar R30; Antenna system: dual-feedline Flag: 5m x 10.6m, DXP-3 phasing unit.

That's all for this week. 73, Brandon.

DX FORUM

Richard C. Evans – 7416 Hearthstone Wy – Indianapolis IN 46227-7923

E-mail: REvans5435@aol.com

DEADLINES: Sundays

Nancy Johnson, 265 Waterton Way, Billings, MT 59102

It's the anniversary issue, so time for my annual re-intro. I'm married to CDXR editor John, who I met through IRCA 34 years ago. My two children are Billy (18) and Melanie (15). I work fulltime at the Billings OfficeMax store. In addition to DX'ing, my hobbies include genealogy and camping. In 1969 I began DX'ing from Fredonia, NY, and joined IRCA in 1971. It's hard to believe, but I have been the WDXR editor for 30 years. I'm a domestic DX'er and spend most of my DX time on the graveyard frequencies. From my three DX locations (Fredonia, NY, Aberdeen, WA and Billings, MT) I have heard a total of 2457 stations (some duplicates). Hopefully the 1450 Lockwood, MT station will take a long time to get on the air, as it will be a local for us and I'll lose 1450 to DX. A thank you goes out to all the members who make IRCA the great club that it is today. We all owe Phil a special "Thank you" for all the time and hard work that he has donated to the club. Happy anniversary IRCA!

John C. Johnson - 265 Waterton Way - Billings, MT 59102-7755 **John_Johnson@Prodigy.net**

Happy Anniversary, IRCA! Once again it's time for us to send in our forum reports to celebrate the IRCA anniversary. The IRCA continues to grow year after year. I am a Charter Member of the club, joining when it started in 1964. I've seen many changes over the years and we continue to have a great, professionally published, "DX Monitor" delivered to members in print. We also deliver a bulletin by e-mail. We continue to evolve on the internet with our web site. This is all possible because of the dedication to the club by quite a few members. I'm married to Nancy, your WDXR editor. Nancy and I have known each other for 34 years now. I edit your CDXR column and currently serve on the Board Of Directors. I work for KTVQ channel 2 here in Billings, Montana. May 8th marks my 33rd anniversary with KTVQ. It was KOOK-TV when I started back in 1972. Today we even offer 1080i HDTV programming on KTVQ-DT. Many spots and programs were on film back in 1972, now I play them off a computer! Other hobbies include genealogy, TV DX, and collections of all kinds including TV Guide magazines dating back to the late 1950s, old radio station music surveys, bumper stickers, sports pocket schedules, Coke-A-Cola items and even The Three Stooges items. We're a Ford Mustang family. Nancy has her 1995 and I have a 2005 GT which looks like my old 1966 Mustang. It's wonderful to see the IRCA going strong every year. Happy Anniversary! 73, John.

Ray Bauernhuber, 151-64 18th Avenue, Whitestone, NY 11357-3102

HAPPY ANNIVERSARY IRCA! Another year has gone by and propagation has been good as evidenced by all the excellent reports to the Roundup columns. I want to thank everyone's support for my "Hearing It Through The Grapevine" column - it's fun to do and it's a great platform for everyone to show off what they've heard over the years and recently too. I also hope you're enjoying the "Website Wanderings" column - this is fun to do also and I try to give everyone something they'd enjoy. The best AM club in the world is in good shape and thanks to Phil Bytheway and Doug Pifer for seeing to it that we get our hard 'Monitors' every week. Thank you Lynn Hollerman for our wonderful website and all the work you do in your capacity as Secretary/Treasurer. Thanks to all of our column editors for their continued great efforts and to Nick for steering the ship! HAPPY ANNIVERSARY IRCA!

Nigel Pimblett, Dunmore, AB **ntp@shockware.com**

Greetings, and happy anniversary to all in IRCA. Amazingly, I actually managed to get a forum done in time this year! Hard as it is to believe, I've been DXing for just about 35 of my 47 years now. My forgiving wife Tobi puts up with my eccentric hobby, though my DX time has understandably declined somewhat since the arrival of our daughter Sarah last year. I started out as a purely shortwave DXer, before eventually also getting into MW and some FM. The first MW QSL was from KFBK, and I'm now nearing 1100 MW stations verified (excluding call changes). Living in southeastern Alberta we're lucky enough to have only one local left on MW (CHAT, and they've recently applied to go to FM), so it's definitely a good area for DXers (even allowing for that IBOC-contaminated station in Havre!). I do most of my DXing from some property I own out in the country, where I have room for several beverage antennas, and when conditions are favourable I've had some success hearing DU and TP signals from there. This season though, my highlight has to be logging Maine for the first time. Thanks to all who help make IRCA the exceptional club it is.

Steve Hawkins, 1610 Greene Street, Boone, IA 50036

I'm 58 and very happily married to my wife Glenna. We have two grown children, 4 wonderful grandchildren (See <http://home.mchsi.com/~ng0g/>), and a dog named Amy who thinks I am her Dad or another dog, or both. I have spent the last 25 years working in the Telecommunications industry. During the summer of 2004, I quit my job, sold my house in California, and moved to Boone Iowa. I am a Ham Radio Op. NG0G. In addition to AMCB DXing, I love chasing DX on the Ham Bands, especially on CW. I collect radios (old and new), books about radio, and old radio programs. I love baseball on the radio, and bluegrass music. I home brew my own beer. I also like to write and just sold an article to QST for their Ezine. I will send a heads up when they publish it.

Martin Foltz, 25102 Pradera Drive, Mission Viejo, CA 92691 **martinfoltz@cox.net**

Happy Anniversary IRCA! I've only been a member for a short period of time but this is a great group with many active members. Keep it up and report. The first six months of the 2004/2005 DX season were very good here with 33 new stations heard and reports out to 45 stations plus 7 HAR/TIS stations. Veries back from 27 stations plus 6 HAR/TIS. I met my goal for stations heard for the whole season in only 6 months. The night of Feb 19th with 4 DX Tests was a lot of fun, thanks to all who made it possible. The only station to make it here was KEVA. Their tests last year were missed so I'm glad to get another chance. The Graveyard article written by Les was very good reading. It's a good companion to Bob Foxworth's article written in 1974. I recently finished entering all my loggings from my composition notebook into an Excel spreadsheet. Now I can sort out all the UNID and TENT loggings and print them onto a single sheet. Before they were just lost in the notebook but now I can concentrate on them. On the local radio scene I've noticed Oldies on 1510, probably KSPA with a new format. KSON-1240 was also noted on the air again. 73's Martin

Gary Larson, 2806 Lincoln, Burbank, CA 91504

Early this morning, the 26th, I needed to check out a place I was to work at and after, I continued east into RW land (Fontana). While on eastbound 210, I heard 1510 KSPA "the easier hits of the 60s

70s and 80s" and the song on air when I tuned in sounded rock, not nostalgia. But later heard liners for K-SPA and familiar music so not really a big change. I f I was a resident in prime coverage, I'd likely be a 1510 listener. I see they applied for 50 kw day. May 1500 CP here is deleted. 73. (second report) Locally I discovered 1470 KUTY a couple nites ago airing talk, not Spanish. Called and it was confirmed. Believe only 2 that are SS in Antelope Valley area are 1380 Lancaster and 106.9 Cal. City. I see Fontana has had storm problems as did many other areas of S. Cal. Hope nothing happened at RW's. Doubt if I can make the Anaheim convention, mostly because of work hours. But I'm sure it will be a great one. Haven't heard 620 Tijuana, Mex. lately; KTAR in clear on car rx in Monrovia at a job location early morning of 3/6. 73.

R. C. Watts, 4109 Graf Drive, Louisville, KY 40220-3016

Heard on WHAS-840 today (2/28): the station found a treasure trove of early recordings while cleaning out storage closets. They date back to when the station began making recordings--at least the early 30s. Like many other radio stations, WHAS has rid itself of its traffic copter. Said it would rely on the TRIMARC traffic control cameras and might install some cameras of its own. TRIMARC shares the 530 kHz T.I.S. with the Chamber of Commerce. I have finally terminated my hunt for QSLs due to cost, poor return and eyesight. I've reached the point where it's just not worth it anymore. Will still listen to the radio! 73s, Col. DX

Mike Hardester, 3118 Gaitway Court, Jacksonville, NC 28546-6973 **DX4EVR@Earthlink.Net**

HAPPY ANNIVERSARY IRCA!! According to tradition, a reintroduction is in order. I'm 55, married to Caroline, with one harmonic which has transmitted another harmonic. I retired from the Navy (Hospital Corpsman) in 1993, did a brief tour as a Postal Clerk, and now do limited consulting work—I consult my wife to see what she wants done and how soon, hi. I joined the IRCA in 1969 and I have been a member ever since, including a couple of terms on the Board of Directors. I'm the current editor of the IRCA TIS Log, and encourage all members to report any TIS or HAR station they may hear. During my Naval career, my "favorite" Uncle bounced me all over the United States, along with two tours on Okinawa (Ryukyu Is), Japan, and a brief stay on VERY HOT Iwo Jima. I'm not certain of how many stations or countries I've heard and verified, but as for States, it's 49/48 (hopefully 49 if WISN can QSL my reception for their DX Test - still looking for Vermont) + DC, and Provinces are 8/7. My favorite logs are Canadian Forces NDB, "NB," on 530 kHz located in North Bay, ON and heard in Modesto, CA with a 100 watt signal; another station logged from Modesto was the 40-watt LPRT, CBXQ, in Ucluelet, BC. on 540. This anniversary is, unfortunately, marked by the passing of Don Erickson (DEE). DEE was a very friendly man who undertook to keep the IRCA going, as publisher of the DX Monitor, for many years. Many members first contact with the DXing community was when they received a letter from Don, as a result of their reception report sent to a radio station. A good friend. RIP Don. Very 73 de Mike.

Larry Godwin, 2390 Clydes Dale Lane, Missoula, MT 59804 **lbg@mtwi.net**

Greetings, and happy anniversary, IRCA! I'm especially grateful to all the many volunteers who make the DX Monitor a reality. I include here our Editor-in-Chief, Phil Bytheway, and DXM Publisher, Doug Pifer, as well as all our officers, editors, and committee chairs. It's hard to believe this many individuals contribute so much of their time each week to the hobby they love. I'm 62, a retired teacher, and I edit and critique manuscripts part-time. My tolerant wife Cathy, our thirteen-year-old Jenny, and I live on the outskirts of Missoula, where we moved in 1990. I started DXing from Amarillo, TX, around 1957 and still use the HQ-150 I bought in 1958. I was lucky to play a part during the exciting time when the IRCA was formed. I don't DX as much as I did in former years, but still experience an occasional thrill when I hear a catch I've been trying for. This was the case recently when I finally IDed the VOA in Thailand on 1575. Long live IRCA!

Dale Park, P.O. Box 10640, Honolulu HI 96816

It's been awhile since I last sent in a forum so a re-introduction is in order. I am in my early forties and do some marketing work. I have been DXing since the mid-seventies but have been a member of IRCA since the early eighties. I also have been the DXM sports networks columnist on several occasions. My best DX from the mainland is 700 WLW-OH though I once heard 1560 WQXR-NY tentatively. From the west my best DX is 1575 VOA-Thailand, heard a few times. My main MW DX machine had been a Sangean ATS-803A until its computer card conked out in 2003. I haven't gotten around to get it fixed though, due to time and cost. For now I'm using a Sangean ATS-818CS, which generates a lot of computer noise and has a cassette door that's permanently in the open position. Happy Anniversary, IRCA.

Richard Evans, 7416 Hearthstone Way, Indianapolis, IN 46227-7923

I see that Larry mentioned that he still uses the HQ-100 he bought in 1958. I still use the HQ-100 I bought back in 1968 at Allied Radio in Chicago. I was at my cousin's house in Dayton, Ohio back in May, 1999 and mentioned what I listen to. Her husband was astonished and told me it was based on 1953 technology. Doesn't bother me. I still enjoy using it. It's only been worked on once, back in 1988 when I moved to Milwaukee. I enjoy using the Quantum Loop I bought from Gerry Thomas back in 1997 but I do miss using the air-core loop I had dubbed Irving after it was made for me back in 1967 by Andrew Rekey up on the north side of Chicago. I think of him each time I watch the Sandra Bullock

movie "While you Were Sleeping" because the apartment building it has her living in reminds me so much of the building that Andrew lived in although he had a much bigger apartment. As Doc mentioned, my first contact with Don Erickson was when he wrote to me back in early 1965 after I had sent a reception report to KFAB-1110 in Omaha, Nebraska. I joined right after getting the information and sample pages from the club and the rest, as they say, is history. At least, it's my personal history, hi. I remember the early days in 1970 and 1971 when I was doing CDXR and typing from four to six stencils a week and mailing them out to Don in Riverside, Calif. I used to run a day or so past the deadline to get them in the mail to him, so I would call him and let him know how many stencils were coming and how much space he would have left for him on the last page so that he could go ahead and start running off the bulletin before he got my stuff. Now, it's just a few keystrokes and the column is on its way to Phil. The technology is good for the publishing of the bulletins but bad for what it has done for how we pursue the hobby, in that it has done away with so much of the testing we used to stay up late for. With the passing of DEE comes the memories of others who have passed on. Persons such as Ernie Cooper, C.M. Stanbury II, Charley Keleher seem as alive to me now as when they actually were with us. Has anyone heard from Bill Townshend? He used to be a regular reporter who suddenly stopped. 73.

WEBSITE WANDERINGS

Raymond Bauernhuber – 151-64 18th Ave – Whitestone NY 11357-3102

E-mail: DXRADIO@Webtv.net

Hi everyone and welcome to another edition of "Website Wanderings." If anyone comes across a radio related website please forward it to me ~ I will be most grateful. Please remember to access and enjoy IRCA's own excellent website at: <http://www.ircaonline.org/irca1.htm>.

This week I have some links for the do-it-yourself hobbyist who wants to re-build or repair his or her old AM radio. The first site is at: <http://www.midnightscience.com/catalog5.html>

It has capacitors, hook-up wire, magnet wire, coil kits etc. You can buy on-line and they offer a free newsletter.

Here's another parts list: <http://www.danssmallpartsandkits.net/>

It features lots of various parts, and some variable caps; his dual-section 365pF cap is \$20.00.

Use of a dual-section cap will easily let you wind a loop that will tune from 530-1700kHz. More careful loop turns selection will be needed if you use just a one-section cap. You'll probably need a switch to select one or both sections in parallel, for the dual-section version. The main problem will be winding the right number of turns to resonate over the proper range with your chosen capacitor. Hopefully you're going to use a published loop design that has loop dimensions and number of turns, and capacitance value to use. ~ Steve Ratzlaff

And here's a site where you can download a simple free program that calculates needed turns for a given size loop, for a given frequency. Get the "RJLOOP3" program. All values are in metric dimensions, but it's not too hard to convert to feet/inches. (It's Reg Edward's site, with a number of interesting programs.) <http://www.btinternet.com/~g4fgq.regg/page3.html#S301>

I hope you enjoy this edition's selections. I thank Steve Ratzlaff for the variable capacitor websites. With that I will bid you good health and good DX until the next issue of the 'Monitor' and say: "73 de DX de NY" ~ Ray

HEARING IT THROUGH THE GRAPEVINE

Raymond Bauernhuber – 151-64 18th Ave – Whitestone NY 11357-3102

E-mail: DXRADIO@Webtv.net

Greetings fellow IRCAN's and welcome the Anniversary Issue edition of "Hearing It Through The Grapevine." This one features 560 kHz and the State of Washington. Let's see what our reporters have heard recently and over the years.

Mike Hawkins, Tracy CA

Featured Frequency 560 kHz: (NOTHING new since 1970)

KSFO San Francisco CA	KMON Great Falls MT
KPQ Wenatchee WA	KBLU Yuma AZ
WIND Chicago IL	KLVI Beaumont TX
KLZ Denver CO	

Featured State of Washington:

560 KPQ Wenatchee	KREW Sunnyside
570 KVI Seattle	1240 KGY Olympia
590 KHQ/KAQQ/KQNT Spokane	1250 KWSC/KWSU Pullman
610 KEPR/KONA Pasco	KTW/KYAC/KKZD Seattle
660 KAPS Mount Vernon	1270 KBAM Longview
680 KOMW Omak	1280 KIT Yakima
710 KIRO Seattle	1300 KOL/KMPS/KKOL Seattle
730 KULE Ephrata	1310 KZXR Prosser
770 KXA/KULL/KNWX/KTTH Seattle	1340 KTCR Kennewick
790 KJRB Spokane	1360 KMO/KKMO (pre-KZTS)/KKMO (post-KZTS) Tacoma
820 KGNW Burien	1380 KRKO (pre-KBAE)/KRKO/(post-KRFE) Everett
840 KMAX Colfax	
850 KTAC/KHHO Tacoma	1400 KEDO Longview
880 KIXI Mercer Island	1420 KITI Chehalis
900 KUEN Wenatchee	KUJ Walla Walla
910 KISN/KFXX/KOTK Vancouver	1430 KBRC Mt. Vernon
920 KXLY Spokane	1460 KIMA/KMWX/KUTI Yakima
930 KYAK Yakima	1470 KELA Chehalis
950 KJR Seattle	KSEM/KBSN Moses Lake
960 KALE Richland	1480 KVAN Vancouver
970 KTRW Spokane	1490 KVAC Forks
1000 KOMO Seattle	KTEL Walla Walla
1020 KWIQ Moses Lake	1510 KGA Spokane
KYXE Selah	1540 KFKF/KZAM/KXPA Bellevue
1030 KMAS Shelton	1550 KGAR/KVAN/KKAD Vancouver
1050 KFVR/KEYF Dishman	1560 KGHO Hoquiam
KBLE Seattle	KZIZ Sumner
1090 KING Seattle	1590 KSND Seattle
1150 KAYO/KEZX/KKNW Seattle	1620 KYIZ Renton
1170 KPUG Bellingham	1680 KTFH Seattle
1180 KLAY Lakewood	
1210 KBSG/KNWX Auburn	

Morris Sorensen, Winnipeg MB

Drake R8 with Quantum QX Pro loop, Hammarlund HQ-150 with Worcester SM-2 loop DX-392, YB-400 and GE SR11 portables

Featured Frequency 560 kHz:

WEDC Duluth MN	KMON Great Falls MT
WIND Chicago IL	CFOS Owen Sound ON
KLZ Denver CO	

Featured State of Washington:

570 KVI Seattle	1020 KYXE Selah
590 KQNR Spokane	1510 KGA Spokane
840 KMAX Colfax	

Mike Sanburn, KG6LJU, PO Box 1256, Bellflower, CA 90707

RCA1-RA-11, GE Superadios II & III, Hallicrafters S-38E, Collins R-390, etc.

Featured Frequency 560 kHz:

KSFO San Francisco, CA - Nightly	KBLU Yuma, AZ - Winter Nights
KLZ Denver, CO - Occasionally	KLVI Beaumont, TX - 1996 DX Test
KPQ Wenatchewe, WA - Rare	

Featured State of Washington:

560 KPQ Wenatchee	1280 KIT Yakima
570 KVI Seattle	1300 KMPS Seattle
610 KONA Pasco	1360 KMO Tacoma
790 KJRB Spokane	1360 KXMO Tacoma
950 KJR Seattle	1370 KWNC Quincy
1000 KOMO Seattle	1420 KUJ Walla Walla
1050 KEYF Dishman	1510 KGA Spokane
1210 KREW Sunnyside	1540 KZAM Bellevue
1250 KWSU Pullman	1550 KOQT Bellingham

Dennis Vroom

1968 2004 HQ 180, 66-67 1937 Fada 75 ft wire

Featured Frequency 560 kHz

KSFO San Francisco Conservative Talk Good Signal 2004 WA

KPQ Wenatchee Talk 2004 WA

Featured State of Washington:

530 WPVS Ridgefield 2004 WA	1000 KOMO Seattle 67 CA
570 KVI Seattle 67 CA	1050 KBLE Seattle 67 CA
590 KHQ Spokane 67 CA	1090 KING Seattle 68 CA
630 KGDN Edmonds 68 CA	1150 KAYO Seattle 67 CA
710 KIRO Seattle 66 CA	1250 KWSC Pullman 67 CA
770 KXA Seattle 69 CA	1280 KIT Yakima 66 CA
850 KTAC Tacoma 67CA	1300 KOL Seattle 68 CA
900 KKRT Wenatchee 2004 WA	1360 KMO Tacoma 66 CA
920 KITN Olympia 66 CA	1380 KRKO Everett 68 CA
920 KWLY Spokane 68 CA	1510 KGA Spokane 67 CA
950 KJR Seattle 67 CA	1680 KTFH Seattle 2004 WA

Bruce Portzer, Seattle, WA**Featured frequency 560 kHz:**

KVOK Kodiak AK heard 2-3 times during openings to Alaska

KSFO San Francisco nightly w/KPQ QRM

KLZ Denver CO heard once or twice mixing w/KSFO & KPQ

KMON Great Falls MT rare w/KPQ & KSFO QRM

KPQ Wenatchee fair days in KVI 570 splatter, mixes with KSFO at night

CHTK Prince Rupert BC sometimes heard on Beverage expeditions or during exceptional high latitude conditions

Featured State of Washington:

550 KARI Blaine daytime regular, mixes with KOAC at night	910 KOTK Vancouver amongst the QRM at night
560 KPQ Wenatchee daytime w/KVI splatter nulled, mixes with KSFO at night	920 KGTK Olympia fair days, buried at night
570 KVI local	920 KXLY Spokane dominant nights
590 KQNT Spokane nightly mixing w/KUGN	930 KBAI Bellingham fair days, lost in QRM at night
610 KONA Kennewick weak days when noise level is low, mostly dominant nights	930 KYAK Yakima possible at sunrise/sunset, generally lost u/KSEI/CJCA at night
630 KCIS local	950 KJR local
630 KXLI Opportunity heard once in early 70s as KZUN	960 KALE Richland fair nights mixing w/CFAC
660 KAPS Mt. Vernon good all day, mixing w/CFFR etc at night	970 KTRW Spokane rare nights, best at sunrise or sunset
680 KBRD Lacey fair days at 50 miles	980 KBBO Selah best at sunrise or sunset, some times weak days w/CKNW nulled
680 KOMW Omak days w/KBRD nulled	1000 KOMO yet another strong local
700 KXLX Airway Heights at sunrise/sunset	1020 KYXE Union Gap weak days, fair at night
710 KIRO strong local	1020 KWIQ Moses Lake fair-poor nights w/KYXE etc QRM
730 KULE nights w/Vancouver nulled	1030 KMAS Shelton good days, mixes w/KTWO at night
770 KHTH local	1050 KBLE local
790 KGMI Bellingham fair-good days, mixes w/KGHL/KABC/CFCW at night	1050 KEYF Dishman rare at sunrise/sunset w/KBLE nulled
790 KJRB Spokane not very common, but possible at sunrise or sunset	1090 KPTK one of many 50 kw locals
810 KTBI Ephrata heard around sunrise mixing w/KGO, relays KYAK-930	1110 KWDB Oak Harbor fair days
820 KGNW local	1150 KKNW local
840 KMAX Colfax mixes w/all the others at night	1150 KQQQ Pullman rare thanks to KKNW
850 KHHO Tacoma good days, KOA QRM at night	1170 KPUG Bellingham fair days, mixes with KLOK et al at night
870 KFLD Pasco nights w/various QRMers	1180 KLAY Lakewood good days
880 KIXI my strongest local	1210 KDDS Auburn, local
900 KKRT Wenatchee sometimes mixes w/CKMO at night	1210 KZTS Sunnyside, nights u/KDDS

1230 KWWZ Everett good days, dominant at night, 30 miles away	1430 KBRC Mount Vernon good days, fair but dominant nights w/various QRMers
1230 KOZI Chelan not very common, but possible at night	1450 KSUH Puyallup fair days, w/considerable KARR-1460 splatter
1230 KSBK Spokane heard maybe 5 times in the last 30 years	1450 KBKW Aberdeen fair nights in the jumble
1240 KGY Olympia fair days w/KKDZ 1250 splatter	1450 KCLX Colfax rare, heard maybe once or twice since the 1960s
1240 KCVL Colville rare, heard 2-3 times in the last 30+ years	1450 KONP Port Angeles rare considering the distance (60 miles), best reception is on groundwave when severe auroras wipe out everything else on the channel
1240 KXLE Ellensburg sometimes at night mixing w/others	1460 KARR local
1250 KKDZ Seattle, local	1460 KUTI Yakima dominates if you're more than 5 miles south of the KARR transmitter site
1250 KWSU Pullman easy with KKDZ off, nearly impossible with KKDZ on	1470 KELA Centralia fair days w/KARR-1460 splatter nulled
1270 KBAM Longview weak days	1470 KBSN Moses Lake sometimes at night if I can get past KARR-1460, KELA, and CJVB
1280 KLDY Lacey fair days at 50 miles	1480 KNTB Lakewood usually inaudible in Seattle, weak while driving through Tacoma last fall, sounded like they were using much less power than the listed 1 kw
1280 KIT Yakima dominant at night	1480 KBMS Vancouver under KRXR at night
1280 KAAQ Spokane rare but possible at sunrise or sunset	1490 KBRO Bremerton semi local but sometimes goes dark
1290 KIKN Port Angeles possible at sunrise or sunset, rare considering the distance (60 miles)	1490 KWOK Hoquiam fair days w/KBRO off, mixes w/QRM at night, especially if KBRO is off
1300 KKOL Local	1490 KVAC Forks quite rare considering the distance (100 miles)
1310 KXXR Prosser possible at sunrise or sunset	1490 KLOG Kelso fair nights mixing w/others
1320 KXRO Aberdeen fair days and night w/QRM from Vancouver	1490 KEYG Grand Coulee rare
1320 KGDC Walla Walla rare at sunrise/sunset	1490 KTEL Walla Walla rare
1330 KENU Enumclaw fair-weak days	1510 KGA Spokane strong at night
1330 KMBI Spokane sunrise/sunset	1540 KXPA Bellevue local
1340 KLKI Anacortes easy days, buried in QRM at night	1550 KRPI Ferndale fair days, lost in QRM at night
1340 KVSU Tumwater mixes w/KLKI during day	1550 KKAD Vancouver mixes with KYCY at nit
1340 KTCR Kennewick infrequent at night	1560 KZIZ Sumner fair days
1340 KWWW Wenatchee infrequent at night	1590 KLFE Seattle local
1360 KKMO local	1600 KPRI Blaine fair day & night
1370 KWNC Quincy sunrise/sunset	1620 KYIZ Renton fair days, mixes with KBLI at night
1380 KRKO Everett local	1680 KTFH Seattle local
1390 KJOX Yakima mixes w/QRM at night	
1400 KITZ Silverdale semi local	
1400 KLCK Goldendale infrequent at night	
1400 KEDO Longview under KITZ at night	
1400 KRSC Othello rare at night	
1420 KRIZ Renton local has hvy QRM at night	
1420 KITI mixes w/KRIZ day and night	
1420 KUJ Walla Walla mixes w/KITI/KRIZ at night	

Ken Wilson KG4BIG, Georgetown, KY

Icom 756 PRO, JRC NRD525/SE-3, Wellbrook K9AY, Wellbrook ALA 1530

Featured frequency 560 kHz:

CFOS ON Owen Sound	WFRB MD Frostburg
WIND IL Chicago	KLVI TX Beaumont
WHBQ TN Memphis	WFIL PA Philadelphia
WVOC SC Columbia	WNSR TN Brentwood
WMIK KY Middlesboro	

Doug Pifer, 3410 Marion St. SE, Albany, OR 97322

Drake R8B, Kiwa Loop

Featured frequency 560 kHz:

KKZN CO Thornton - "Boulders Progressive Talk". 2nd most dominant.

KSFO CA San Francisco - "Hot talk 560". Most dominant.

KPQ WA Wenatchee - News-Talk-Sports. Once in 2003.
 KMON MT Great Falls - "Big Sky Country". Country Music. Once a year maybe.
 XEKT BC Tecate - Spanish. In 2003.

Featured State of Washington:

550	KARI Blaine	KWSU Pullman
560	KPQ Wenatchee	1270 KBAM Longview
570	KVI Seattle	1280 KIT Yakima
590	KQNT Seattle	1290 KIKN Port Angeles
610	KONA Kennewick	1300 KKOL Seattle
630	KCIS Edmonds	1310 KZXR Prosser
660	KAPS Mt. Vernon	1320 KXRO Aberdeen
680	KOMW Omak	KGDC Walla Walla
710	KIRO Seattle	1330 KENU Enumclaw
730	KULE Ephrata	1340 KWWX Wenatchee
770	KTTH Seattle	KLKI Anacortes
790	KJRB Spokane	1350 KRLC Clarkston
810	KTBI Ephrata	1360 KKMO Tacoma
820	KGWV Seattle	1370 KWNC Quincy
840	KMAX Colfax	1380 KRKO Everett
850	KHHO Tacoma	1390 KJOX Yakima
870	KFLD Pasco	1400 KLCK Goldendale
880	KIXI Mercer Island	1420 KUJ Walla Walla
900	KKRT Wenatchee	KITI Chehalis
910	KKFX Vancouver	KRIZ Renton
920	KXLY Spokane	1450 KCLX Colfax
930	KBAI Bellingham	1460 KUTI Yakima
950	KJR Seattle	1470 KELA Centralia/Chehalis
970	KTRW Spokane	KBSN Moses Lake
980	KBBO Selah	KBMS Vancouver
1000	KOMO Seattle	1480 KVAC Forks
1020	KYXE Selah	1490 KLOG Kelso
	KWIK Moses Lake North	KYNR Toppenish
1030	KMAS Shelton	KWOK Hoquiam
1050	KDRK Dishman	KEYG Grand Coulee
1090	KPTK Seattle	KTEL Walla Walla
1150	KKNW Seattle	1510 KGA Spokane
1170	KPUG Bellingham	1540 KXPA Bellevue
1180	KLAY Lakewood	1550 KRPI Ferndale
1210	KDDS Auburn	KKAD Vancouver
	KZTS Sunnyside	1560 KZIZ Sumner
1230	KSBN Spokane	1590 KLFE Seattle
	KWYZ Everett	1600 KVRI Blaine
1240	KGY Olympia	1620 KYIZ Renton
1250	KKDZ Seattle	1680 KTFH Seattle

Dale Park, Honolulu, HI

Featured frequency 560 kHz: (From Honolulu)

KSFO CA San Francisco Regular
 XEKT BCN Tijuana Tentatively once underneath KSFO in 2004
 WIND IL Chicago Local (From Evanston IL (1987-88))

Featured State of Washington: (From Honolulu)

610 KONA Kennewick Tentatively once underneath KFRC-CA
 710 KIRO Seattle Occasional
 1090 KYCW Seattle Occasional
 1510 KGA Spokane Occasional
 1550 KRPI Ferndale Tentatively once over/under KYCY-CA in 2003

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HAPPY ANNIVERSARY IRCA and thanks to everyone for these great reports! For the next issue of the 'Grapevine' let's see what's been heard on 1590 kHz and in the State of Alabama, which was 1st settled in 1702 and was admitted to the Union on December 14, 1819. Their State bird is the Yellowhammer and the State flower is the Camellia. The 'popular' names for Alabama are "The Cotton State", "The Yellowhammer State" or "The Heart Of Dixie."

The deadline for this will be Saturday, April 9th at 1500 hours EST for Vol. 42, No. 26.

Until then be well my friends and --- 73 de DX de NY, Ray

2004-2005 DX CONTESTS

Manager: Nancy Johnson – 265 Waterton Wy – Billings, MT 59102-7755

E-mail: NancyJohnson@prodigy.net

Standings as of February 15, 2005

1. Michael Hawkins	428	7. David Braun	103
2. Bill Nittler	312	8. Nigel Pimblett	96
3. Paul Swearingen	286	9. Bill Block	52
4. Doug Pifer	239	10. John C. Johnson	8
5. Nancy Johnson*	194	11. Mike Sanburn	5
6. John Tudenham	128		

*Contest manager is not eligible to win.

In case you are wondering, it is not too late to enter the contest. David has heard 18 new stations and 13 call changes since the contest began in October. In November alone Paul heard 10 new ones. The last I knew Michael had heard 29 new stations, but I'm sure he has heard more than that by now. I'm not eligible for a prize, but I've heard 32 new stations so far. So, if you want to add to your DX totals join the contest.

You can join this years contest at anytime. The rules are on the IRCA web site.

IRCA TECHNICAL COLUMN

Nick Hall-Patch – 1538 Amphion St – Victoria, BC, Canada V8R 4Z6

E-mail: nhp@ieee.org

**Rolling Your Own:
 building antenna splitters that perform better than most commercial units**
 by John Bryant and Bill Bowers – January 2005

About nine months ago, Bill Bowers and I began what became a rather thorough study of signal splitters. From the beginning, we had hoped to develop a splitter design for homebrewing that would perform as well or better than the rather expensive units currently available on the commercial market. Our first steps were to purchase the three two-port splitters currently available in North America and for Bill to take them through a sophisticated series of tests. The three units tested were:

- 1) **Model MC-102**, Stridsberg Engineering (www.stridsberg.com). The 2004 retail price was \$65 plus S&H.
- 2) **Model SP-1**, RF Systems, available from several hobby sources around the world. Our test unit was purchased from Universal Radio (<http://www.universal-radio.com/catalog/preamps.html>). The retail price in 2004 was \$89.95 plus S&H.
- 3) **Model ZSC-2-2** Mini-Circuits. Our unit was purchased directly from the Mini-Circuit sales office in Missouri (phone: 718-934-4500) for \$52.95 plus S&H in 2004.

Those initial tests were widely published in May 2004 as "An Evaluation of Commercially Available Signal Splitters." In brief, the findings were that all three units were quite adequate signal splitters and that – for all but the most demanding applications – we recommended selecting commercial units based on price and availability. We also noted that the Mini-Circuits Model ZSC-2-2 out-performed the other two units, at least slightly, in every single test. It was also the least expensive, at \$52.95 for the two-port version.

The data developed during those tests established the current state-of-the-art for the next design cycle. Those same results are presented in this article along with the test results for the new design that we suggest for DXers who wish to "roll their own" and save a good bit of "radio money" in the process.

Why Do I Need a Signal Splitter, Anyway?

In recent years, increasing numbers of radio hobbyists have wished to attach multiple receivers to the same antenna. This need may stem from a group wishing to share a single antenna on a DXpedition, or it may be from a single hobbyist wishing to operate two or more receivers simultaneously from the same antenna. In any case, many of us have found that simply using a stub of wire to hook the antenna ports of several receivers to the same antenna is an invitation to all sorts of problems. One of the funnier problems can occur if one of several receivers hooked together presents significantly lower impedance to the antenna than do the others. Years ago, when Mitch Sams, Kirk Allen and John Bryant first "shared" a beverage antenna, Kirk and John spent a frustrating half-night wondering why Mitch's old receiver was so much superior to their more modern gear: they

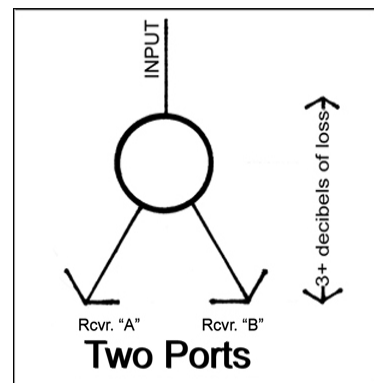
eventually realized that Mitch's old receiver was literally sucking up all of their DX! A second common occurrence when hooking multiple receivers together is the fact that spurious radiations/local oscillator signals from one receiver can use the common antenna lead as a pathway to enter the other receivers; this can cause serious but difficult to recognize interference, strange "signals," etc. For all of these reasons and more, if you wish to operate two or more receivers – simultaneously - from one antenna, you will need to use a device called variously, an *antenna splitter*, a *signal splitter* or a *power splitter*: when referring to a receiving antenna device, most people use these three terms interchangeably.

What the Heck Are They?



Typical
Commercial Splitter

used-surplus market, as well.

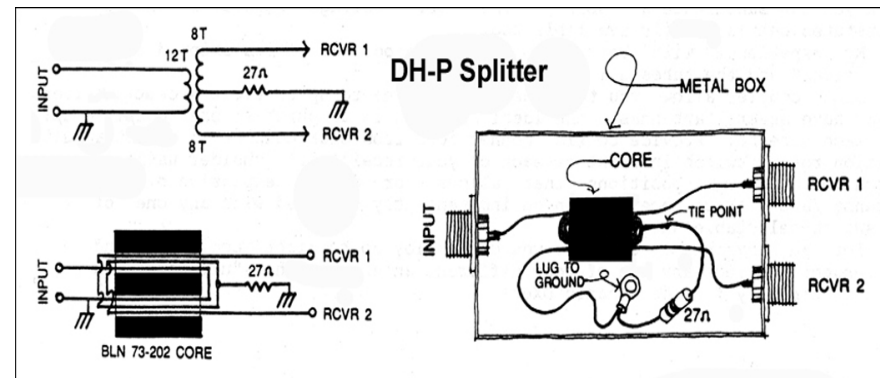
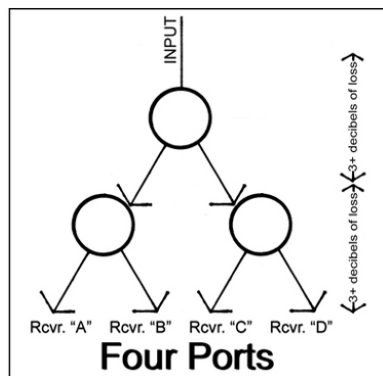


The "DH-P" Homebrew Splitter

The so-called DH-P homebrew splitter first surfaced in an article the early 1980s by Down Under DX enthusiast Sam Dellitt. The article was first published in *DX Australia* and later reprinted in Canada's *CIDX Messenger*; a version of it was also featured in an article in the *Proceedings of Fine Tuning* (Proc. 1989, article F-12, p.5) by Nick Hall-Patch. The original core used by Sam has not been available for years and, in the *Proceedings* article, Nick suggested using the "binocular" core, BLN 73-202 by Amidon. This latter core is the one used in the tests shown later in this article. The wire is #30 or #32 varnished magnet wire which requires a bit of a delicate touch; unfortunately, larger wire sizes won't fit through the holes enough times to create the proper turns count for this design.

The first antenna splitters that many of us saw were rather expensive and complex devices built with vacuum tube technology. These devices were usually purchased as used-surplus from government surplus property outlets and often support 8 or 16 receivers simultaneously and contained sophisticated RF amplifiers, as well. In more recent times, smaller-scale splitters have become available commercially, intended for both the professional and serious hobbyist markets. The most commonly available splitters are 2-port, unamplified units. However, 4-port units, either with or without solid state amplifiers, are also available and two of the three splitter manufacturers produce a bewildering array of splitters suited for many professional communications uses. Military and intelligence agencies are known to have contracted with manufacturers to produce modern units with at least as many as many as 32 ports. These have recently appeared on the

Most signal splitters are based on a fundamental building block which is a transformer-like device that accepts a single signal stream and splits it into two identical parts *that are each (by the laws of physics) diminished in strength by about 3 dB, minimum*. Usually, these transformer-like devices consist of a ferrite core with windings of fine wire; this building block may be diagrammed as an upside-down capital letter "Y." Antenna splitters that offer four output ports contain three "building blocks" arranged in a cascade fashion, where the first unit splits the signal into two halves, which are then fed into a second rank of two splitters; those second rank splitters divide the half signals into halves again, creating four identical signals of further diminished strength. *Since each transformation/splitting incurs about 3 dB of loss*, it is easy to see why most splitters of four output ports or more include RF amplification.

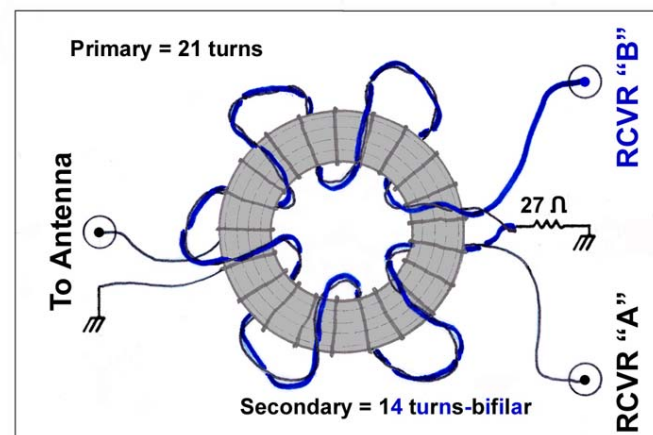


The New "BB" Homebrew Splitter

As you will note in the test results presented later, John Bryant's twenty year-old DH-P splitter, a veteran of numerous DXpeditions, performed surprisingly well. In fact, it out-performed both the RF Systems and Stridsberg units at most frequencies! The performance of the DH-P splitter formed the base line for Bill's design development and testing cycles. He hoped to be able to out-do the older homebrew and approach the outstanding performance of the Mini-Circuits splitter.

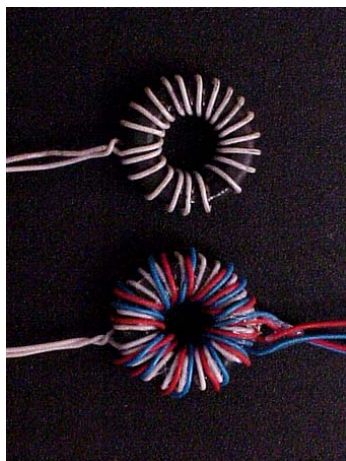
Both Bill and I tend to favor winding cores that are about 1" in diameter or more. The ease of winding these larger cores more than offsets the small additional cost. However, after several series of design/testing, Bill was rather surprised to find that, for this application, smaller cores were clearly superior! From that point, Bill focused on designing a splitter based on Amidon's FT-50J, a toroidal core of about 1/2" outside and 1/4" inside diameters.

Several additional design/testing cycles lead Bill to a winding pattern and turns count quite similar to the DH-P homebrew splitter. The winding design that Bill suggests is a 21 turn "primary" from the antenna side of things. That winding is to be laid on the core first in an evenly distributed pattern around the circumference of the toroid. The secondary coil is 14 bi-filar turns, also distributed evenly around the toroid (imagine a twisted pair of one red and one blue wire.) From the two ends, one red and the *opposite* blue are tied together and grounded through a 27 Ohm resistor. You have just created a 28- turn secondary with a center tap to ground through the resistor. The remaining red and blue wire go, one each to the center conductor of the two output ports. *Please be sure to follow the wiring diagram with particular care: John managed to connect the wrong red and blue wires together on four-out-of-four of the first prototype splitter series!*



"BB" Splitter Transformer Pictorial
Mount in RF-tight metal enclosure

“BB” Splitter Fabrication



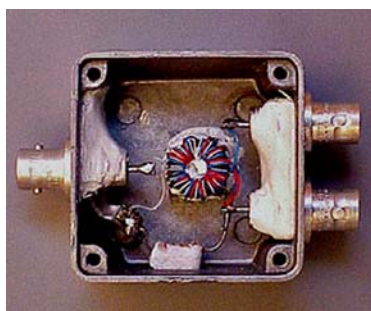
Core: Amidon FT-50J
Wire: #30 awg Kynar insulated
Primary: 21 Turns (evenly distributed)
Secondary: 14 Turns (refer to diagram)

NOTES:

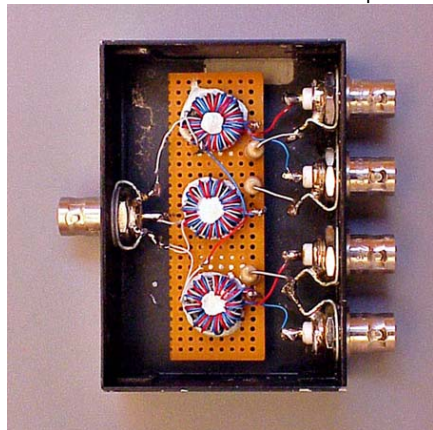
- 1) Count as a turn each time the wire goes through the hole.
- 2) It is often handy to secure each layer of winding with “super” glue.
- 3) Use about one twist per inch for the bifilar winding. Total length of each winding: about 20.”

The “BB-2” Splitter: Two Port Unit

For splitters and most other accessories in the signal stream, it is necessary to use RF-tight metal enclosures to minimize the intrusion of stray RF and unwanted noise. John favors the die-cast cast aluminum boxes by Hammond that are available from many electronics outlets, including Mouser (www.mouser.com). The box shown below is the Hammond 1590LB, their smallest box at



2”x2”x1”. It cost \$7.22 from Mouser in 2005. The beautiful satin-black powder-coated version, #1590LB-BK costs \$2.50 more. The BNC chassis-mount connectors, also from Mouser, did not come with ground lugs, so John utilized 3/8” diameter ring connectors from automotive electrical systems (note the grounding lug on inside left of box.) Note also that John has glued a small piece of Bakelite (1/2”x1/2”x1/4”) on the bottom of the Hammond box to serve as a insulating mounting platform for the wound core.¹ The white substance on the interior of the right-hand box is an epoxy paste made by Protective Coating Company of Allentown, PA, USA. The white version is marketed as “PC-11” while a dark gray version is sold as “PC-7.” (Google: PC-7 epoxy) John now applies this to the backside of most chassis mounts to stabilize them permanently. Unlike “super” glue and numerous other fixes, neither PC-7 nor PC-11 have ever failed in the field.



The “BB-4” Splitter: Four Port Unit

It is possible, of course, to fabricate four-port splitters using somewhat larger Hammond boxes. However, it is often possible to find new or slightly used four-port splitters intended for VHF bands, but utilizing standard BNC connectors. Such was the case with the box and ports on the left. John obtained five of these beauties new for just over \$5.00 each through an on-line auction: less than the cost of the BNC connectors alone. The three transformers are mounted to perf board and, in turn the perf board is mounted to 1/4” stand-offs with PC-11 epoxy paste. The resistors for each of the splitters may be seen end-on, directly to the right of each core. Total cost for this particular 4-port splitter was under \$10.00, a 80 to 90% savings of “radio money.”

THE TESTS

Rolling your own splitters is all well and good, but the our real concern, of course, is distributing precious DX signals equally to two or four receivers *with as little loss and as little coupling from one receiver to another as possible*. The only way to clearly determine our success or failure in this effort was to run a series of comparative bench tests exactly as we had done in our previous article on commercial splitters. The test equipment used was: HP-4192A, LF Impedance Analyzer; HP-11048C, Thru-put 50 Ohm terminator; AG-04192-61001, Power splitter-50 Ohm; and Fluke-8505A RF multimeter. The test voltage was 0.10Volt RMS. The test instrumentation covered the frequency ranges, 150 kHz. to 13 MHz, so our 11 test points fell within that range. We believe that it is safe to extrapolate the results up to 15 or 20 MHz. to cover most of the bands of interest to our readers.

The following characteristics were measured over a range of frequencies from 150 kHz. to 13 MHz.: Antenna Impedance Match, Receiver Impedance Match, Signal Isolation, Impedance Isolation and Signal Attenuation. The test data from our previous article on commercial splitters are included for comparison purposes. The two “proof of design” splitters that were bench tested here are the two shown previously in this article.

ANTENNA IMPEDANCE MATCHⁱⁱ: This is the impedance that will terminate the coax lead-in cable from the antenna. The RG-58 has a characteristic impedance of approximately 50 Ohms and if the antenna port of the splitter has an impedance other than 50 Ohms, part of the signal will be reflected back to the antenna. The greater the impedance of the antenna port differs from 50 Ohms, the greater will be the signal loss. The amount of loss is rather complex and the total loss also depends on the length and attenuation of the coax. This impedance was measured at the antenna port with all receiver ports terminated in 50 Ohms, resistive. The ideal splitter would present 50 Ohms at the antenna port.

Antenna Impedance Match

	MC-102	SP-1	ZSC-2-2	DHP-2	BB-2	ZSC-4-3B	BB-4
F	Z	Z	Z	Z	Z	Z	Z
MHz	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.15	25.02	24.97	55.22	57.05	55.73	43.83	48.28
0.25	25.01	24.97	54.73	57.28	55.68	45.87	48.28
0.5	25.02	24.98	54.77	57.79	55.66	46.97	48.30
1.0	25.04	25.00	54.86	58.99	55.79	47.43	48.40
1.5	25.05	25.01	54.97	60.23	55.98	47.92	48.55
2.0	25.06	25.01	55.08	61.45	56.21	48.22	48.75
2.5	25.06	25.01	55.19	62.71	56.69	48.43	48.91
3.0	25.06	25.00	55.28	64.03	56.70	48.57	49.15
5.0	25.01	24.95	55.58	70.28	58.07	48.83	50.33
10.0	24.72	24.65	55.63	91.37	64.10	48.44	55.19
13.0	24.40	24.33	55.23	107.0	69.41	47.88	59.06

RECEIVER IMPEDANCE MATCH: This impedance, in an ideal splitter, should also be 50 Ohms to match the 50 Ohm impedance of the receiver antenna terminal. The mismatch here is not quite as important as there is usually a very short cable between the splitter and the receiver. Further, The 50 Ohm input impedance of the receiver is often fairly well defined over a certain bandwidth. This measurement was made at a receiver port when the other receiver port and the antenna port terminated in 50 Ohms, resistive.

Receiver Impedance Match

	MC-102	SP-1	ZSC-2-2	DHP-2	BB-2	ZSC-4-3B	BB-4
F	Z	Z	Z	Z	Z	Z	Z
MHz	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.15	71.45	70.33	48.52	44.74	48.75	39.15	62.40
0.25	80.42	81.20	48.52	44.84	48.74	42.44	62.33
0.5	85.53	90.31	48.54	48.24	48.73	44.24	62.30
1.0	89.03	94.43	48.60	45.73	48.81	45.05	62.52
1.5	91.12	95.69	48.65	46.37	48.90	45.57	62.88
2.0	92.35	96.18	48.17	46.98	49.02	45.97	63.30

2.5	93.11	96.43	48.75	47.60	49.04	46.27	63.75
3.0	93.57	96.58	48.80	48.24	49.30	46.46	64.33
5.0	94.20	96.69	48.92	51.17	50.22	46.78	67.24
10.0	93.34	95.41	48.78	60.35	53.89	46.34	79.93
13.0	92.46	93.94	48.42	66.36	57.02	45.71	91.01

SIGNAL ISOLATION: The local oscillator of a receiver radiates back out the antenna connection and thus into the splitter. To prevent one receiver's oscillator from interfering with the signal going into the other receiver connected to the splitter, it is desirable to have as much signal isolation as possible. The larger the signal isolation, the better. For this test, the attenuation, from a 50 Ohm source connected to a receiver port, was measured at another receiver port. All receiver ports and the antenna port were terminated in 50 Ohms, resistive.

Signal Isolation

	MC-102	SP-1	ZSC-2-2	DHP-2	BB-2	ZSC-4-3B	BB-4 far*	BB-4 near*
F	α	α	α	α	α	α	α	α
MHz	-db	-db	-db	-db	-db	-db	-db	-db
0.15	11.58	11.29	39.85	32.43	25.85	53.90	31.93	24.83
0.25	15.06	14.55	39.89	33.75	25.91	57.44	32.00	24.98
0.5	18.93	19.40	39.89	32.75	25.92	60.71	32.02	25.00
1.0	22.01	24.46	39.56	29.55	25.88	60.54	32.04	24.93
1.5	24.10	27.38	39.15	27.25	25.79	58.90	32.07	24.80
2.0	25.64	29.37	38.62	25.50	25.04	57.38	32.07	24.59
2.5	26.85	30.85	38.02	24.09	25.45	56.03	32.06	24.31
3.0	27.85	32.01	37.42	22.88	25.21	54.83	32.03	23.99
5.0	30.25	35.24	35.13	19.47	24.01	51.28	31.79	22.48
10.0	32.09	37.55	31.05	15.10	20.79	46.00	30.73	18.97
13.0	32.05	36.43	29.40	13.72	19.19	43.96	30.72	17.43

* BB-4 "near" was measured between ports 1 & 2 (same core). BB-4 "far" between ports 1 & 4 (different core)

IMPEDANCE ISOLATION: The antenna input impedance of a receiver with a "coax connection" is nominally 50 Ohms when it is tuned to the incoming signal. Some receivers show an impedance as low as 10 Ohms at frequencies other than the one to which the receiver is tuned. This 10 Ohm load at one receiver port of the splitter can upset the impedance seen at the other port. Here again the ideal splitter would continue to present 50 Ohms impedance even when the other port is loaded with 10 Ohms. This measurement was made at one receiver port as the impedance at one of the other receiver ports was reduced from 50 to 10 Ohms, resistive.

Impedance Isolation

	MC-102	SP-1	ZSC-2-2	DHP-2	BB-2	ZSC-4-3B	BB-4
F	Z	Z	Z	Z	Z	Z	Z
MHz	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.15	73.88	72.89	48.51	44.96	48.51	39.10	48.11
0.25	81.58	83.18	48.51	47.86	48.50	42.48	48.10
0.5	85.76	91.98	48.53	45.28	48.52	44.25	48.11
1.0	89.12	94.83	48.58	45.93	48.61	45.05	48.22
1.5	91.19	95.83	48.64	46.58	48.73	45.58	48.41
2.0	92.39	96.25	48.70	47.22	48.86	45.98	48.62

2.5	93.12	96.47	48.75	47.85	49.01	46.28	48.86
3.0	93.56	96.60	48.80	45.51	49.19	46.46	49.14
5.0	94.17	96.69	48.92	51.44	50.14	46.78	50.62
10.0	93.28	95.35	48.82	59.68	54.04	46.33	56.15
13.0	91.99	93.89	48.49	64.56	57.14	45.70	60.12

SIGNAL ATTENUATION: This tabulates the attenuation of a signal, from a 50 Ohm source, as it passes from the antenna port of the splitter out through one of the receiver ports. The other receiver port(s) are terminated in 50 Ohms, resistive. The attenuation of a signal when it is split 2 ways, by an ideal splitter, would be 3db, when split 4 ways is 6 db, etc. Refer to Appendix for a description of the methods of measuring these important values

Signal Attenuation

	MC-102	SP-1	ZSC-2-2	DHP-2	BB-2	ZSC-4-3B	BB-4
F	α	α	α	α	α	α	α
MHz	-db	-db	-db	-db	-db	-db	-db
0.15	3.52	3.52	3.10	3.10	3.07	6.39	6.16
0.25	3.51	3.53	3.10	3.11	3.08	6.31	6.17
0.5	3.52	3.53	3.10	3.14	3.09	6.29	6.18
1.0	3.52	3.53	3.11	3.23	3.10	6.27	6.21
1.5	3.52	3.53	3.12	3.31	3.11	6.25	6.23
2.0	3.53	3.53	3.13	3.39	3.12	6.22	6.25
2.5	3.53	3.54	3.14	3.46	3.13	6.21	6.28
3.0	3.53	3.54	3.15	3.53	3.14	6.20	6.30
5.0	3.54	3.55	3.18	3.86	3.18	6.19	6.44
10.0	3.55	3.57	3.24	4.88	3.30	6.18	6.91
13.0	3.56	3.58	3.27	5.58	3.40	6.18	7.27

DISCUSSION

We were gratified with the test results. First, considering Impedance Matching to both the antenna and the receiver, below 5 MHz. the BB-2, the BB-4 and the DHP-2 performed considerably better than the Stridsberg and RF Systems units. The new BB homebrew design was somewhat better than the older DHP unit and even out-performed the Mini-Circuits unit at some frequencies. The same general results were obtained when testing for Isolation: both homebrew designs substantially out-performed the Stridsberg and RF Systems splitters and the new BB designs actually outperformed the really excellent Mini-Circuits design, in a number of instances. Finally, in the important Signal Attenuation test, The homebrew units proved superior to the commercial units in many instances.

Although all three commercial units out-performed the homebrew units as the test frequency climbed above 5 MHz., the differences in both Isolation and Signal Attenuation, even at 13 MHz. amounted to a worst-case of 2.3 dB. for the DHP design, .13 dB. for the BB-2 and less than a full dB for the BB-4.

Almost certainly, the performance of these units could be improved in several ways. It is possible that both Isolation and Attenuation could be improved by using slightly larger boxes. This is particularly true in the case of the BB-4. The VHF splitters used very small cores and thus the boxes that John obtained so cheaply were less than .75 inch deep. These small tolerances between the larger FT-50 cores and the box may have caused some capacitive coupling. The tight quarters also prevented John from arranging the three cores at 90 degrees from each other as is standard practice. It would be better to arrange the BB-4 cores at 90 degrees (O _ _ l as viewed from above.) Our design goal was to create a homebrew unit that would perform at LW, MW and SW frequencies. If our goal was to only serve the shortwave frequencies – 3 to 30 MHz. – a different core material might have improved performance above 5 MHz.

As we noted in the article on commercial splitters, we were both surprised at the impedance characteristics exhibited by both the Stridsberg MC-102 and RF Systems SP-1 in the tests of Antenna Impedance Match, Receiver Impedance Match and Impedance Isolation. In some cases, these mismatches reached 100%. However, *the measured signal losses of all five 2- port units and the two 4-port splitters are very nearly equal*, reminding us again how forgiving receiving-only devices are of mismatches.

If your "radio time" is extremely limited, you may want to invest in one or more of the commercial splitters covered by our earlier testing. If you have just a modest amount of time, rolling your own signal splitters is child's play that you can do as "busy work" while also involved with other activities. John wound his twenty transformers during his wife's driving shifts across Arizona and New Mexico

recently and fabricated the splitters themselves while watching various year-end football bowl games; he estimates that he was saving about \$40 per hour of "work," building five of the 4-way splitters and five of the 2-way models. Give it a try.... its fun rolling your own!

¹ Although the enclosure for the two-port unit was aluminum and magnetically neutral, there is still some possibility of capacitive coupling between the windings and the enclosure at higher frequencies, so an insulating block/mounting pedestal is a reasonable idea. The enclosures for the four-port units that John built were heavy-gage sheet steel and, therefore, even more likely to cause some degradation of performance were the cores not separated from the enclosure with an insulating block. It is interesting to note that Mini-Circuits is very careful to isolate the cores from their aluminum enclosures and to arrange them in an arrangement that generates the least interaction between them: at 90 degrees (O ___ I as viewed from above.) They also maintained the shortest possible leads from component-to-component by placing all ports on a single surface of the enclosure and mounting the printed circuit board directly to the rear ends of the chassis-mount BNC ports. Each of these design decisions could contribute to the outstanding and relatively broad-banded performance of the Mini-Circuits splitters.

¹¹ The measured values of Z were actually complex, not purely resistive. The impedance phase angles were, however, very small in most cases, and we feel that including those angles would have been more confusing than helpful. For instance, the largest impedance phase angle for the Mini-Circuit ZSC-2-2 was less than 2 degrees over the entire frequency range. For all practical purposes, the tabulated values of Z can be considered resistive.

GEOMAGNETIC INDICES

Compiled by: Phil Bytheway

E-mail: phil_tekno@yahoo.com

Geomagnetic Summary January 6 2005 through March 15 2005

Tabulated from email status daily.

Date	Flux	A	K	Space Wx Today	Space Wx Forecast	Au
1/ 6	88	18	x	x	x	x
7	83	2	2	no storms	no storms	9
8	83	24	3	moderate	minor	9
9	84	40	7	strong	strong	9
10	88	5	2	minor	no storms	5
11	90	6	6	no storms	no storms	7
12	94	13	2	no storms	no storms	7
13	102	24	3	minor	no storms	7
14	116	14	3	no storms	no storms	6
15	130	11	4	minor	moderate	3
16	145	22	3	strong	strong	5
17	145	12	6	strong	strong	9
18	138	50	5	strong	strong	8
19	124	52	4	strong	strong	7
20	133	47	3	strong	strong	6
21	123	11	3	strong	strong	9
22	114	47	7	severe	strong	10
23	102	30	3	moderate	no storms	8
24	96	17	3	minor	no storms	8
25	95	8	2	no storms	no storms	7
26	94	6	3	no storms	no storms	8
27	89	5	2	no storms	no storms	6
28	87	8	3	no storms	no storms	5
29	85	6	3	no storms	no storms	7
30	86	18	4	no storms	no storms	8
1/31	x	x	x	x	x	x
2/ 1	86	18	3	x	x	x
2	84	6	2	no storms	no storms	4
3	82	10	3	no storms	no storms	8
4	83	9	1	no storms	no storms	4
5	82	1	1	no storms	no storms	6
6	95	1	0	no storms	minor	4
7	97	9	2	no storms	no storms	8
8	103	29	5	minor	minor	10
2/ 9	108	36	4	moderate	no storms	7

Date	Flux	A	K	Space Wx Today	Space Wx Forecast	Au
2/10	109	24	4	minor	no storms	9
11	114	18	3	no storms	no storms	9
12	114	11	x	x	x	x
13	116	6	2	no storms	no storms	5
14	116	3	x	x	x	x
15	118	5	2	no storms	no storms	9
16	122	2	0	no storms	no storms	6
17	113	12	3	no storms	no storms	7
18	111	3	2	no storms	no storms	3
19	104	21	2	minor	no storms	7
20	99	14	3	minor	no storms	8
21	96	11	2	no storms	no storms	6
22	95	7	1	no storms	no storms	5
23	92	7	3	no storms	no storms	7
24	85	7	3	no storms	no storms	5
25	80	6	2	no storms	no storms	4
26	78	14	4	no storms	no storms	7
27	77	10	3	no storms	no storms	8
2/28	76	9	1	no storms	no storms	4
3/ 1	75	9	1	no storms	no storms	5
2	74	8	1	no storms	no storms	4
3	75	11	1	no storms	no storms	5
4	77	3	1	no storms	no storms	6
5	79	2	1	no storms	no storms	4
6	81	8	2	no storms	no storms	9
7	84	27	3	minor	minor	10
8	87	34	4	moderate	minor	7
9	94	25	3	minor	no storms	10
10	100	21	4	no storms	no storms	10
11	102	13	2	no storms	no storms	6
12	105	9	2	no storms	no storms	2
13	110	6	2	no storms	no storms	3
14	114	7	3	no storms	no storms	7
3/15	112	21	2	minor	no storms	8

SPORTS ON RADIO

Compiled by: O Howit Hertz

E-mail: artngwen@calweb.com

ARIZONA DIAMONDBACKS

Broadcast Team: Thom Brennaman, Greg Schulte, Rod Allen, and Jim Traber.

600 KROD El Paso, TX	1230 KAAA Kingman, AZ
600 KVNA Flagstaff, AZ	1230 KATO Stafford, AZ
610 KNML Albuquerque, NM	1340 KIKO Miami, AZ
620 KTAR Phoenix, AZ (Flagship)	1400 KJOK Yuma, AZ
780 KAZM Sedona, AZ	1400 KSHP North Las Vegas, NV
950 KNFT Bayard, NM	1420 KTAN Sierra Vista, AZ
980 KNTR Lake Havasu, AZ	1490 KFFN Tucson, AZ
990 KSVP Artesia, NM	
1130 KQNA Prescott Valley, AZ	92.1 KZUA Holbrook, AZ

ATLANTA BRAVES 2005

Radio & TV Broadcast Team: Skip Caray, Marc Fein, Pete Manzano, Fernando Palacios, Joe Simpson, Don Sutton, and Pete Van Wieren. First night game is Wednesday, March 9 @ 7:05PM vs Houston.

540 WDAK Columbus, GA	800 WHOS Decatur, AL
580 WGAC Augusta, GA	940 WMAC Macon, GA
630 WDJB Thomasville, AL	970 WVOP Vidalia, GA
640 WGST Atlanta, GA (Flagship)	1230 WBHP Huntsville, AL
720 WVCC Hogansville, GA	1240 WWNS Statesboro, GA
730 WLTQ Charleston, SC (?)	1290 WTKS Savannah, GA
730 WOHS Cherryville, NC	1370 WDEF Chattanooga, TN
790 WBLO High Point, NC	1370 WLOP Jesup, GA

1400 WCOH Newnan, GA
 1400 WCOS Columbia, SC
 1400 WJZM Clarksville, TN
 1400 WSPG Spartanburg, SC
 1450 WCON Cornelia, GA
 1450 WGNC Gastonia, NC
 1450 WGNB Murfreesboro, TN
 1500 WWFN Macon, GA
 1560 WPGY Ellijay, GA (?)
 1600 WFIS Fountain Inn, SC
 1630 WRDW Augusta, GA
 92.1 WKUL Cullman, AL
 93.1 WGAC Warrenton, GA

"I watch a lot of baseball on the radio." -Gerald Ford

BOSTON RED SOX

Broadcast Team: Joe Castiglione & Jerry Trupiano

550 WDEV Waterbury, VT
 560 WHYN Springfield, MA
 580 WTAG Worcester, MA
 610 WGIR Manchester, NH
 620 WZON Bangor, ME
 630 WPRO Providence, RI
 850 WEEI Boston MA (Flagship)
 930 WGIN Rochester, NH
 980 WSUB Groton, CT
 1010 WNTK Newport, NH
 1080 WTIC Hartford, CT
 1160 WSKW Skowhegan, ME
 1230 WJOY Burlington, VT
 1230 WMOU Berlin, NH
 1230 WNAW North Adams, MA
 1240 WFTN Franklin, NH
 1240 WHMQ Greenfield, MA
 1280 WEIM Fitchburg, MA
 1280 WFAU Gardiner, ME
 1290 WKBK Keene, NH (?)
 1300 WPNH Plymouth, NH
 1340 WSTJ St. Johnsbury, VT
 1350 WINY Purnam, CT
 1370 WDEA Ellsworth, ME
 1380 WSYB Rutland, VT
 1400 WHMP North Hampton, MA
 1400 WILI Willimantic, CT
 1400 WLTN Littleton, NH
 1400 WTSL Hanover, NH

"Hitting is 50% above the shoulders." -Ted Williams

CHARLOTTE BOBCATS 2005

550 WAME Statesville, NC
 570 WDNZ Raleigh, NC
 590 WCAB Rutherfordton, NC
 600 WSJS Winston-Salem, NC
 620 WDNC Durham, NC
 630 WMFD Wilmington, NC
 730 WOHS Shelby, NC
 910 WTMZ Dorchester Terrace-Bre., SC
 950 WQTK Moncks Corner, SC
 1010 WMEV Marion, VA
 1050 WIQB Conway, SC
 1130 WFXH Hilton Head Island, SC
 1200 WSML Graham, NC
 1230 WMFR High Point, NC

93.5 WLJA Ellijay, GA
 93.9 WYTK Rogersville, AL
 94.3 WSCC Goose Creek, SC
 95.5 WJDB Thomasville, AL
 96.1 WKLS Atlanta, GA (Flagship)
 98.1 WMGP Hogansville, GA
 99.3 WCON Cornelia, GA
 101.7 WYUM Mount Vernon, GA
 103.9 WRPB Hawkinsville, GA
 105.5 WIFO Jesup, GA
 106.3 WKNU Brewton, AL
 107.3 WMCD Claxton, GA

1400 WVAE Biddeford, ME
 1420 WBEC Pittsfield, MA
 1420 WBSM New Bedford, MA
 1440 WJAE Portland, ME
 1450 WKXL Concord, NH
 1450 WRKD Rockland, ME
 1480 WNBX Springfield, VT
 1480 WSAR Fall River, MA
 1490 WEMJ Laconia, NH
 1490 WFAD Middlebury, VT
 1490 WIKE Newport, VT
 1490 WKVT Brattleboro, VT
 1490 WMRC Milford, MA
 1540 WGIP Exeter, NH
 1590 WSMN Nashua, NH

92.7 WOXO Norway, ME
 93.5 WCTB Fairfield, ME
 95.1 WXTK West Yarmouth, MA
 95.5 WJJB Topsham, ME
 96.1 WDEV Warren, VT
 97.5 WIGY Madison, ME
 99.3 WKTJ Farmington, ME
 99.7 WNTK New London, NH
 100.1 WHOU Houlton, ME
 100.7 WTBM Mexico, ME
 103.1 WDME Dover-Foxcroft, ME
 105.5 WBYA Camden, ME
 107.7 WTPL Hillsboro, NH

1230 WOIC Columbia, SC
 1310 WISE Asheville, NC
 1340 WOOW Greenville, NC
 1350 WLMA Greenwood, SC
 1400 WKPT Kingsport, TN
 1400 WSPG Spartanburg, SC (?)
 1410 WPCC Clinton, SC
 1450 WGNC Gastonia, NC
 1490 WAZZ Fayetteville, NC
 1490 WOPI Bristol, VA
 1590 WKTP Jonesborough, TN

104.9 WCCP Clemson, SC
 106.1 WNMX Waxhaw, NC (Flagship)

CHICAGO CUBS

Broadcast Team: Pat Hughes and Ron Santo.

660 WBHR Sauk Rapids, MN
 720 WGN Chicago, IL (Flagship)
 800 KXIC Iowa City, IA
 810 WDDD Johnson City, IL
 880 WCBW Highland, IL
 910 WAKO Lawrenceville, IL
 920 WMOK Metropolis, IL
 950 WXLW Indianapolis, IN
 1020 KOIL Plattsmouth, NE
 1150 KCPS Burlington, IA
 1170 KJOC Davenport, IA
 1230 KLAV Las Vegas, NV
 1290 WWFS Peoria, IL
 1300 KKML Colorado Springs, CO
 1300 WBOW Terre Haute, IN
 1300 WBZQ Huntington, IN
 1320 WFHR Wisconsin Rapids, WI
 1330 WRAM Monmouth, IL
 1350 KRNT Des Moines, IA
 1350 WIOU Kokomo, IN
 1380 KCIW Carroll, IA
 1400 KADR Elkader, IA
 1400 WBAT Marion, IN
 1440 WGEM Quincy, IL
 1440 WROK Rockford, IL

"The last time the Cubs won a World Series was in 1908. The last time they were in one was 1945. Hey, any team can have a bad century." - Tom Trebelhorn

CHICAGO WHITE SOX 2005

Broadcast Team: John Rooney, Ed Farmer, Bill Melton, & Dave Wills.

880 WCBW Highland, IL
 1000 WMVP Chicago, IL (Flagship)
 1060 WRHL Rochelle, IL
 1150 KCPS Burlington, IA
 1170 KJOC Davenport, IA
 1230 KWAS Joplin, MO
 1240 WSDR Sterling, IL
 1250 WSPL Streator, IL
 1280 WBIG Aurora, IL
 1360 WLBK DeKalb, IL
 1430 WCMY Ottawa, IL

1450 KIOV Payette, ID
 1450 WDLB Marshfield, WI
 1450 WFMB Springfield, IL
 1460 WJCI Rantoul, IL
 1460 WKAM Goshen, IN
 1470 WKLZ Kalamazoo, MI
 1480 KLEE Ottumwa, IA
 1510 KMRF Marshfield, MO
 1520 WHOW Clinton, IL
 1540 WBNL Boonville, IN
 1550 KIWA Sheldon, IA
 1570 KVTM Vermillion, SD
 1570 WLKD Minocqua, WI
 1590 KWBG Boone, IA
 1620 KOZN Bellevue, NE
 1650 KCNZ Cedar Falls, IA

92.7 WQTX Charlotte, MI
 94.3 WSSQ Sterling, IL
 98.3 WJEZ Dwight, IL
 103.1 WAKO Lawrenceville, IL
 104.9 WAXI Rockville, IN
 105.3 KIWA Sheldon, IA
 105.3 KNOD Harlan, IA

1440 WGEM Quincy, IL
 1440 WROK Rockford, IL
 1470 WKLZ Kalamazoo, MI
 1490 WDBQ Dubuque, IA
 1490 WZOE Princeton, IL
 1580 WBCP Urbana, IL
 1590 WAIK Galesburg, IL

93.9 WCEZ Carthage, IL
 97.7 WLQI Rensselaer, IN
 107.7 WMRS Monticello, IN

"A hot dog at the ball park is better than a steak at the Ritz." -Humphrey Bogart

COLORADO ROCKIES 2005

Broadcast Team: Jeff Kingery and Jack Corrigan.

610 KCSR Chadron, NE
 650 KGAB Orchard Valley, WY
 730 KLOE Goodland, KS
 790 KGHF Billings, MT
 850 KOA Denver, CO (Flagship)
 930 KROE Sheridan, WY
 950 KMER Kemmerer, WY
 960 KNEB Scottsbluff, NE
 1180 KOFI Kalispell, MT
 1230 KBCR Steamboat Springs, CO
 1230 KDIX Dickinson, ND
 1240 KASL Newcastle, WY
 1240 KRAL Rawlins, WY
 1240 KTHE Thermopolis, WY
 1260 KPOW Powell, WY
 1270 KIML Gillette, WY
 1270 KTFI Twin Falls, ID
 1290 KCUW Tucson, AZ (Spring Training Only)

1290 KOWB Laramie, WY
 1310 KFKA Greeley, CO
 1340 KCAP Helena, MT
 1340 KPOK Bowman, ND
 1340 KWOR Worland, WY
 1340 KYCN Wheatland, WY
 1350 KABQ Albuquerque, NM
 1350 KGHF Pueblo, CO
 1400 KBJM Lemmon, SD
 1400 KCOW Alliance, NE
 1400 KKTL Casper, WY
 1400 KVSF Santa Fe, NM
 1400 KXGN Glendive, MT
 1410 KIXX Ft. Collins, CO
 1450 KBBS Buffalo, WY
 1450 KBFS Belle Fourche, SD
 1450 KMMS Bozeman, MT
 1450 KVCK Wolf Point, MT

1450 KVOW Riverton, WY
 1460 KXPN Kearney, NE
 1470 KKTY Douglas, WY
 1490 KUGR Green River, WY
 100.1 KMMR Malta, MT
 100.9 KNEC Yuma, CO

DETROIT TIGERS 2005

Broadcast Team: Dan Dickerson & Jim Price.

580 WTCM Traverse City, MI
 590 WKZO Kalamazoo, MI
 640 WMFN Zeeland, MI
 790 WSGW Saginaw, MI
 930 WBCK Battle Creek, MI
 940 WGMV South Haven, MI
 1050 WTKA Ann Arbor, MI
 1230 WMSH Sturgis, MI
 1230 WSOO Sault Ste. Marie, MI
 1270 WMKT Reed City, MI
 1270 WXYT Detroit, MI (Flagship)
 1290 CJBK London, ON
 1330 WTRX Flint, MI
 1340 WCSR Hillsdale, MI

"A ball bat is a wonderous weapon." -Ty Cobb

CLEVELAND INDIANS 2005

Broadcast Team: Tom Hamilton and Matt Underwood.

570 WKBN Youngstown, OH
 930 WEOL Elyria, OH
 970 WFUN Ashtabula, OH
 1100 WTAM Cleveland, OH (Flagship)
 1230 WCWA Toledo, OH
 1260 WRIE Erie, PA
 1270 WUCO Marysville, OH
 1300 WMVO Mount Vernon, OH
 1320 WLOH Lancaster, OH
 1330 WFIN Findlay, OH
 1390 WBLL Bellefontaine, OH
 1400 WMAN Mansfield, OH
 1430 WCLT Newark, OH
 1430 WFOB Fostoria, OH

"My pitching philosophy is simple-keep the ball way from the bat." -Satchel Paige

FLORIDA MARLINS

Radio and TV Broadcast Team: Dave Van Horne, Felo Ramirez, Luis "Yiky" Quintana, Craig Minervini, Raul Striker Jr., and Cookie Rojas.

560 WQAM Miami, FL (Flagship)
 640 WJNA Royal Palm Beach, FL
 660 WORL Altamonte Springs, FL
 770 WWCN North Fort Myers, FL
 920 WMEL Melbourne, FL
 1140 WQBA Miami, FL (Spanish)

"Baseball is religion without the mischief." -Thomas Boswell

LOS ANGELES DODGERS

Broadcast Team: Vin Scully, Rick Monday, Jaime Jarrin, Pepe Yniguez, and Fernando Valenzuela.

610 KAVL Lancaster, CA
 920 KPSI Palm Springs, CA
 920 XESDD Ensenada, BCN (Spanish)
 980 KFWB Los Angeles, CA (Flagship)
 1110 KAOI Kihei, HI (Selected Games)
 1140 KSFN North Las Vegas, NV
 1150 KDEF Albuquerque, NM
 1220 KHTS Canyon Country, CA
 1220 KWKU Pomona, CA (Spanish)
 1230 KBOV Bishop, CA
 1230 KYVA Gallup, NM (Selected Games)
 1290 KCUB Tucson, AZ (Selected Games)

102.3 KSPK Walsenburg, CO
 103.1 KYDT Sundance, WY
 104.7 KNNG Sterling, CO
 106.1 KNFO Basalt, CO
 107.9 KBKL Grand Junction, CO

1380 WPHM Port Huron, MI
 1400 WCCY Houghton, MI
 1400 WRCC Battle Creek, MI
 1400 WSJM St. Joseph, MI
 1450 WIBM Jackson, MI
 1470 WLQR Toledo, OH
 1550 WSHN Fremont, MI

92.1 WDOW Dowagiac, MI
 92.1 WTXQ St. Johns, MI
 92.7 WQTX Charlotte, MI
 93.7 WNBV Newberry, MI
 96.1 WMTR Archbold, OH
 97.3 WDEE Reed City, MI

1450 WJER Dover-New Philadelphia, OH
 1450 WLEC Sandusky, OH
 1460 WBKC Painesville, OH
 1480 WHBC Canton, OH
 1490 WMRN Marion, OH
 1540 WBTC Uhrichsville, OH
 1590 WAKR Akron, OH

92.7 WQEL Bucyrus, OH
 93.5 WBNV Barnesville, OH
 95.3 WLKR Norwalk, OH
 100.9 WJAW McConnelsville, OH
 104.5 WQKT Wooster, OH
 107.1 WDOH Delphos, OH

1300 WFFG Marathon, FL
 1380 WELE Ormond Beach, FL
 1450 WSTU Stuart, FL
 1600 WKWF Key West, FL
 93.5 WBGF Belle Glade, FL

1560 KNZR Bakersfield, CA
 1570 KPRO Riverside, CA (Selected Games)

"I bleed Dodger blue and when I die, I'm going to the big Dodger in the sky." - Tommy Lasorda

MILWAUKEE BREWERS 2005

Broadcast Team: Jim Powell & Bob Uecker.

550 WSAU Wausau, WI
 580 WKTY La Crosse, WI
 620 WTMJ Milwaukee, WI (Flagship)
 940 WFAW Fort Atkinson, WI
 960 WTCH Shawano, WI
 1090 WISS Berlin, WI
 1150 WHBY Kimberly, WI
 1230 WCLO Janesville, WI
 1240 WJMC Rice Lake, WI
 1240 WOBT Rhinelander, WI
 1240 WOMT Manitowoc, WI
 1280 WGLR Lancaster, WI
 1310 WIBA Madison, WI
 1400 WATW Ashland, WI
 1400 WBIZ Eau Claire, WI
 1400 WRDB Reedsburg, WI
 1430 WBEV Beaver Dam, WI

99.7 KXTY San Luis Obispo, CA (?)

1440 WNFL Green Bay, WI
 1450 KFIZ Fond Du Lac, WI
 1450 WRCO Richland Center, WI
 1490 WIGM Medford, WI
 1550 WEVR River Falls, WI
 1590 WPVL Platteville, WI

92.3 WRLS Hayward, WI
 92.7 WDUX Waupaca, WI
 93.9 WDOR Sturgeon Bay, WI
 94.3 WQPC Prairie Du Chien, WI
 98.3 WCQM Park Falls, WI
 99.7 WWIS Black River Falls, WI
 106.1 WACD Antigo, WI
 106.3 WEVR River Falls, WI
 107.3 WNXR Iron River, WI

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