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Publisher's Notes

The deadline to get materials here for the **Anniversary issue** is just around the corner. Remember, the contents of **DX Monitor** are the result of *your* contributions. Let's make this a big issue! No DX Tests are scheduled at this time. Welcome to new member **Louis Lerner** of Philadelphia PA! -- RT

Editors Needed

The **DX Worldwide - EAST** and **Sports Information** columns need editors. If you would like to participate in YOUR club, contact **Lee Freshwater** at engwtrs@aol.com

Web Sites for AM DX Stuff

Eric Floden passes on information from the *Northwest Broadcasters* website: 02/14/02 - Fifty years of AM radio history comes to an end in Nanaimo Friday morning as crews remove the old CHUB/CKEG AM 1570 radio towers, which will be dropped by cutting the guy wires. Meanwhile CKCI AM 1350 Parksville (currently simulcasting the new CIBH FM 88.5) will be leaving the air at 3 p.m. Friday, February 22. All the equipment for both stations is for sale. Details and photos are available at the following sites: CKCI CKEG Thanks to Kam Abbott.

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<http://www.islandnet.com/~kabbott/CKCI/>
and
<http://www.islandnet.com/~kabbott/CKEG/>

Dennis Gibson writes: "Both *Radiostation.com* and the *Kodis Broadcast Station Location Page* seem to be defunct. You can make an inquiry but it results in a 404 not found error. *Radiostation.com* took forever to update call letters and *Kodis'* patterns were interesting but sometimes were 90, 180, or 270 degrees off. *Radio-Locator* (www.radio-locator.com) has both accurate patterns and projected coverage areas."

From *DX Listening Digest*, courtesy **Glenn Hauser**:

**** AUSTRALIA.** Craig Seager reports that the ABA's database for Australian Mediumwave and FM stations is now available for download at its web site. Simply navigate to <http://www.aba.gov.au/broadcasters/radio.htm>. Supposedly current as of September 2001, and is in PDF format by callsign, frequency or area served. There's also a television section, which may be useful for the summer sporadic E openings, though it's getting tougher to ID the TV stations due to networking/monopolies. Well worth the download! (Australian Radio DX Club - Jan/Feb 2002 via Arctic MV-Eko Information Desk Feb via DXLD)

**** INDIA.** AIR station lists are available from this URL:

<http://air.kode.net/schedule/fqsch1.html>

No powers or schedules and no future plans are mentioned for MW stations (Olle Alm, ARC MV-Eko Information Desk Feb via DXLD)

BROADCASTING INFORMATION

Editor: Lee J. Freshwater - 414 SE 3rd St. - Ocala, FL 34471

E-mail: ENGWTRS@aol.com

CALL CHANGES		
OLD CALL		NEW
790	KKYR - TEXARKANA, TX	KOSY
920	KBNA - EL PASO, TX	KZMR
1020	KOTD - PLATTSMOUTH, NE	KKSC
1160	WKGE - EAST POINT, GA	WMLB
1170	WMLB - CUMMING, GA	WMLE
1210	WLDR - KINGLEY, MI	WWJR
1240	WTXM - KNOXVILLE, TN	WJXB
1400	WFAV - FT. WALTON BEACH, FL	WJGC
1480	WFXW - GENEVA, IL	WSPY

FORMAT CHANGES		
FREQ.	CALL - CITY	NEW INFO
700	WCAT - ORANGE, MA	OLDIES // FM
710	KUET - BLACK CANYON	ADLT STANDS
830	WEEU - READING, PA	DROPS AC
960	WPRT - PRESTONBURG, KY	SILENT
970	KXTP - SUPERIOR, WI	ROCK // KRBR
980	KJOX - SELAH, WA	TALK
1000	WGOG - WALHALLA, SC	SILENT
1170	KOWO - WASECA, MN	ADDS TALK
1200	WQDQ - NASHVILLE, TN	REG. MEXICAN
1260	KZNI - IDAHO FALLS, ID	TALK // KZNR
1280	WGLR - LANCASTER, WI	C & w // fm
1300	WAVZ - NEW HAVEN, CT	SPORTS - FOX
1340	KRLV - LAS VEGAS, NV	SS TALK
1350	WCMP - PINE CITY, MN	ADDS JRN - STAND.
1370	WLOV - WASHINGTON, GA	ADLT CONT.
1390	WJRM - TROY, NC	DROPS C&W
1400	KIGO - ST. ANTHONY, ID	CL. C&W
1410	WIQR - PRATTVILLE, AL	SILENT
1470	KKFO - COALINGA, CA	VARIETY
1550	WSHN - FREMONT, MI	NEWS-TALK
1580	KHGG - VAN BUREN, AR	CNN NEWS
1590	WPSN - HONESDALE, PA	REAL C&W - ABC
	WPVL - PLATTEVILLE, WI	OLDIES // FM

Send your Info to me at : ENGWTRS@AOL.COM73's to you all
..... fresh 2/24/02 0700

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IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334

WESTERN DX ROUNDUP

Editor: Nancy Johnson -265 Waterton Way- Billings, MT 59102-7755

E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: Each Friday. Please use Eastern Time.

- (BB) Bruce Bacon-Boise County, ID bwbacon@mindspring.com
Drake R8, 700' E longwire
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
- (DKK) Don Kaskey-654 35th Avenue-San Francisco, CA 94121-2710
kaskeyfamily@yahoo.com
Drake R8A, Kiwa air loop
- (EK) Edward Kusalik-Coaldale, AB
NRD-525 (modified), 36" Diamond-shaped loop (cut for 1600-1700 kHz)
- (GL) Gary Larson-2806 Lincoln-Burbank, CA 91504
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138-0843 mwdxer@webtv.net
Drake R8, 1500' Eastern Beverage
- (BN) Bill Nittler-Mancos, CO nittlers2@frontier.net
Drake R8A
- (RN) Randall Noguchi-737-9 Mahiai St.-Honolulu, HI 96826
Sangean CC radio, Select-A-Tenna
- (KR) Kevin Redding-Mesa, AZ amfmdx@fastq.com
Sony ICF-2010

OF SPECIAL INTEREST

- 690 KZNR ID, Blackfoot 2/20 Snake River H.S. basketball game against Bear Lake, ID at 2335 with KZNR calls. (BN-CO)
- 580 KMJ CA, Fresno 2/11 0435 "Now back to Art Bell Coast to Coast on newstalk 580 KMJ." Heard in KSSK null. Great signal for 5,000 watts. (RN-HI)
- 630 KIDD CA, Monterey 2/9 0606 "KIDD is Magic 63" ID into WW1 AS format. Weak but heard nightly. (RN-HI)
- 730 XEEBC BCN, Ensenada 2/20 2307 with top of hour ID and announcement of being part of ACIR. Playing English rock. (KR-AZ)
- 740 KTRH TX, Houston 2/9 0436 Newsradio 740 KTRH ID then back to Art Bell. Rare. I have never heard KCBS yet. (RN-HI)
- 760 KKZN CO, Thornton 2/1 0900-0915 under KFMB with news and "The Zone" slogans. 0615 news and traffic. (DKK-CA)
- 790 KFYO TX, Lubbock 2/20 0547 with livestock show, ads for girls fast pitch softball. Was over KABC which is really rare. (KR-AZ)
- 930 CJCA AB, Edmonton 2/17 0327-0339 atop with contemporary Christian programming, ID 0339. (DKK-CA)
- 1070 KNX CA, Los Angeles 2/9 0400 "All you need to know, KNX 1070 Newsradio" slogan into CBS news. Strong but with the usual KWAI splatter. (RN-HI)
- 1090 KNCR CA, Fortuna 2/11 2050-2105 with "Real Country" slogan and C&W music. Good signal, no sign of XEPRS. KBOZ noted with ID far below at 2054. (DKK-CA)
- KYCW WA, Seattle strong atop with SNR to 2058, ads, ID then CNN news. Good signal. (DKK-CA)
- 1130 KSDO CA, San Diego 2/11 0500 station ID "you're listening to 1130 KSDO San Diego, talk radio you can really use. It's 2:00 on KSDO," followed by ABC news and John and Jeff Show. (RN-HI)
- 1140 KHTK CA, Sacramento 2/9 0600 station ID "1140 KHTK Sacramento, and Infinity Broadcasting Station," then back to Sporting News Network. Drifty signal. (RN-HI)

- CHRB AB, High River 2/21 0100 ID and slogan "AM 1140" into a REL program "Insight for Living" with Chuck Swindoll and telling the story of Abraham and Isaac. Was a very solid signal. Only the 2nd Canadian heard this year in extremely disappointing season. (KR-AZ)
- 1150 KXTA CA, Los Angeles 2/9 0700 station ID "Lamar Odon, Darius Miles the home of Clippers basketball." Missed call & city then heard Fox Sports News. (RN-HI)
- 1200 WOAI TX, San Antonio 2/9 0629 announcer read "It's 5:29 on Newsradio 1200 WOAI" then ABC news. No KYAA at this time. (RN-HI)
- 1220 KDDR ND, Oakes 2/18 ID with KOVC 2100, C&W followed. (BN-CO)
- WHK OH, Cleveland 2/17 heard in and above jumble with REL. ID at 0256 "W-H-K" call ID, some KKEE-1230 slop. (PM-OR)
- CHSC ON, St. Catharines 2/17 good on top of jumble with ID at 0259:55 "CHSC." Music by Rick Astley. (PM-OR)
- 1240 KSUE CA, Susanville 2/17 0900 out of the mess with "This is KSUE Susanville" and into Commonwealth Club of California replay. (BB-ID)
- KWIK ID, Pocatello 2/17 0000 dominant on frequency all night. Top of hour ID as "Newsradio 12-40 KWIK, Clear Channel Pocatello." (BB-ID)
- KBLL MT, Helena 2/16 2100 popped up out of the mush with top of hour ID as "KBLL where news is number one." (BB-ID)
- KELK NV, Elko 2/17 0800 playing oldies all night. SID as "Radio, K-E-L-K, K-E-L-K" and into ABC news. (BB-ID)
- KEVA WY, Evanston 2/17 0200 top of hour ID as "Country and your all time favorites, KEVA and KOTB-FM" and into ABC news. (BB-ID)
- 1260 KWEI ID, Weiser 2/17 0319 with "Radio Unica" in null of local KOIT. (DKK-CA)
- 1340 KATA CA, Arcata 2/11 2100 "ESPN Sports Radio 1340 KATA." QRM was very heavy. (DKK-CA)
- KAVC CA, Mojave 2/11 2102 atop with Biblical program. (DKK-CA)
- ?KACH? ID, Preston 2/20 0407 announcement for Saturday morning program 6-8am, woman announcer said something about "Casche" and "...Idaho..." into oldies music "Riders on the Storm" by The Doors. (PM-OR)
- KCAP MT, Helena 2/20 fair with ID at 0159:50 "KCAP Helena" into net news. (PM-OR)
- KSGT WY, Jackson 2/20 fair with ID at 0759:55 after KCAP Helena, ID as "This is KSGT Jackson, Wyoming" into net news, lost in the jumble. New for me, thanks to timer. (PM-OR)
- 1440 KMED OR, Medford 2/11 1935 ID as "Newstalk 14-40 KMED" and into Michael Savage radio show. (BB-ID)
- 1450 KFLS OR, Klamath Falls 2/11 2200 ID as "The home of the Portland Trailblazers, the Portland Fire, the Oregon Ducks, The Klamath Falls Falxcons, Klamath Union High School sports and ESPN Radio, KFLS - Klamath Falls." (BB-ID)
- KBBS WY, Buffalo 2/18 oldies with clear ID 2224. (BN-CO)
- 1460 KLTC ND, Dickinson 2/16 0349 noted with C&W/adult standards songs. Expected it to be KUTI but at 0350 heard a "1460 KLTC" ID. In for about 10 minutes. 2/17 0306 "You're listening to Southwest Dakota's own--KLTC" then into Charlie Daniels instrumental. Oak Ridge Boys "Elvira" a bit later. Big surprise, through buzz and all. (DKK-CA)
- KCKX OR, Stayton 2/12 2200 top of hour ID as "This is Cowboy Country, 14-60 KCKX Stayton-Salem." (BB-ID)
- +2/16 0408 with ID atop "KCKX Cowboy Country." This with loop pointed due N/S. Separable from KLTC. (DKK-CA)
- KUTI WA, Yakima 2/12 2100 top of hour ID as "Yakima's Original Country, KUTI Yakima 14-60, Country Cutie." (BB-ID)
- 1470 KUTY CA, Palmdale 2/13 0500 "Esta es radio Unica" and into Spanish news. (BB-ID)
- KELA WA, Centralia 2/13 0300 top of hour ID as "Stay up to date with news events by staying right here with us. KELA AM 14-70 Centralia News Country's News Leader" into ABC news. (BB-ID)

- KBSN WA, Moses Lake 2/11 ID stop 2000. (DKK-CA)
- 1490 KNDC ND, Hettinger 2/18 clear ID 1906 then C&W after news. (BN-CO)
- KRNR OR, Roseburg 2/15 0700 ID as "Stay right here on Radio 14-90 Country, KRNR." (BB-ID)
- 1500 KSJX CA, San Jose 2/14 0001 ID as "Radio ...unintelligible...AM fifteen hundred, KSJX." (BB-ID)
- KSTP MN, St. Paul 2/14 0000 talk show with call in number of 651-676-8255 and ID as "KSTP Saint Paul, Minneapolis" and into news. Dominant on frequency. (BB-ID)
- 1570 KHPN CO, Loveland 2/17 2359 "The giant of the front range, KHPN Loveland, Fort Collins, Greeley" and into CNN news. Pretty good signal for a listed 18 watts. Mixing with CKMW. (BB-ID)
- KVTK SD, Vermillion I finally got clear ID at 0759:50 2/18 "1570 KVTK Vermillion, All Sports." At 0804 some local spots. At 0700 CST, not sure if they were on 500w (full power). The best I have heard them, topping CKMW. (PM-OR)
- 1610 WPGR29 CA, Tulare County Fairgrounds 2/13 1300 35th annual World Ag Expo at the Tulare County Fair Grounds at the International Agricenter, CalTrans Highway Radio on 1610 kHz giving highway information on getting to expo and parking plus exiting. Only on 3 days a year Feb. 12, 13 & 14 2002, for this annual farm show. (GJ-CA)
- WPSA508 CA, location unknown 2/16 0830 mentioning Highway 44. Not sure of exact location, but Highway 44 comes out of Redding, CA. Heard very weak on my Icom R-75 in Hanford, CA almost 400-600 miles away. (GJ-CA)
- 1620 WTAW TX, College Station 2/16 0635-0702 Art Bell call-in program, with pause on the hour, with partial ID "Broadcasting from the Campus, this is ..." (rest lost). Best heard on the loop despite the strong interference from KSMH and KYIZ. (EK-AB)
- 1650 KDNZ IA, Cedar Falls 2/16 0755-0805 talk on Mutual funds, over (KBJD-Denver with Gospel music), ID as "Talkradio countdown on KDNZ" and "KDNZ AM-1650 Cedar Falls/Des Moines" into ABC news. (EK-AB)
- 1660 KTIQ CA, Merced 2/19 (ex-KAXW) 1503 with ID "KVVY-1580 and KTIQ-1660 The Ticket." SNR format. Both stations have changed calls. 1580 will be hard to pick up. (DKK-CA)
- +2/20 giving mailing address and KTIQ calls 2038, then "The Ticket, Community Clip Board." (BN-CO)
- 1700 KBGG IA, Des Moines 2/18 0323 solid atop with local car ad, then into CNN News. (DKK-CA)

UNIDS

- 1340 Mexico?? or domestic station running Mexican national anthem at 0400 2/20. Any domestics run the Mexican NA? (PM-OR)
- 660 Station off Northern antenna running Art Bell at 0507 2/22. The only station on 660 listed running Art Bell is KFAR Fairbanks. QRM from CFFR and KAPS. Several northern Canadians also heard tonight. (PM-OR)
- 1500 2/13 0530 unID in well with Art Bell promos then into 1st hour replay. Some fading. Heard on car radio while in N. Hollywood. Thought KIEV may have begun reg. service but too much fading. No sign of KSJX; but at ID time 0600, station faded, KSJX then faint. I suspect KSTP or WTOP. (GL-CA)
- 1620 Unidentified Latin 2/17 0004-0102 program of Latin ballads from ranchero to accordion polka music to a short segment of rock-n-roll music of the 60's by Del Shannon (re-done into Spanish). The only announcements were slogans such as "La musica de Nacional onda dios de musica." Pause at top of hour but no ID that I could make out due to three other stations ID'ing themselves. Signal was quite strong on the loop, over other x-banders such as KSMH and KYIZ. Directional path indicated a S/SW path (towards the

Gulf of Mexico/Texas area). Clarification of just who & where this station can be? (EK-AB)

Welcome to WDXR, **Edward!** Hope to hear from you often. The anniversary issue is nearly here. WDXR deadline for that issue is Friday March 8. Don't forget that there is still time to enter the contest!
Nancy 2/22 2100

CENTRAL DX ROUNDUP

Editor: John C. Johnson

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

RIDING GAIN

- [RCP-IN] **Robert C. Pote**, Greenwood, IN
MrZenith41@aol.com
Drake R8A, Kiwa loop.
- [WS-OK] **Wendell R. Stanton**, Tulsa, OK
GE Superadio, Icom IC-R75 with Eavesdropper trapped dipole.

DOWN THE DIAL

- 540 KDFT TX, DeSoto. 2-3. 12:00 with Gospel music. [WS-OK]
- KNOE LA, Monroe. 2-6 very good, almost local-like. 18:59 with spots for a modular home dealer and for Rayville Auto in Rayville. New! [RCP-IN]
- 630 WBMQ GA, Savannah. 2-16 fair, briefly heard. 18:48 with "Money Talks" with host Bob Brinker. [RCP-IN]
- WJDX MS, Jackson. 2-16 very good. 18:59 spot for a rental company, ID "Sports all day long on WJDX, Jackson, Mississippi." First time heard. [RCP-IN]
- 770 KKOB NM, Albuquerque. 2-1. 19:00 with ID, news, traffic, weather. [WS-OK]
- WABC NY, New York. 2-1. 23:05 with ABC News, ID. [WS-OK]
- 810 KBHB SD, Sturgis. 1-25. 18:41 with country music, spot for a western store in Rapid City. [WS-OK]
- 1100 KKLL MO, Webb City. 2-3. 12:15 with church service. [WS-OK]
- 1630 KKWY WY, Cheyenne. 2-1. 23:20 with country music format, "Classic Country KWY" slogan. [WS-OK]

UNID Help

- 1640 unID **Frank Merrill's** 2-9 CDXR unID on 1640 with NOAA weather forecast. **Keith Short** offers some help this week. Keith says Frank's unID might be WLHJ Mount Airy, NC. Interstate 77 near Mount Airy goes near Bluefield, VA and WV. The NWS has a NOAA frequency in Bluefield. It is not unusual for those areas in the mountains to have what is called mountain fog during the overnight hours and during the daylight in the morning hours. Thanks Keith!

25 YEARS AGO

March 5, 1977 of IRCA's "DX Monitor" ... **Bob Rice** of Ballston, NY logged YVQO-640 for his 300th station ... **John Bradley** of Denver, CO told about the Denver market having 5 religious AM stations ... **Jef Jaisun** of Kirkland, WA told about the tower locations of some of the Seattle area stations ... **Nick Hall-Patch** of Victoria, BC was tying to ID KEYZ-1360.

OPEN MIKE

The huge anniversary issue is in just 2 weeks. The CDXR deadline is March 9th. This column was typed 2-23-02. 73, John

EASTERN DX ROUNDUP

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

E-mail: ENGWTRS@aol.com

Deadlines are : 8 AM SUNDAYS

STARS OF THE WEEK

(DH-NJ)	David Hochfelder	New Brunswick, NJ Sony ICF-2010 KIWA Pocket Loop 2412 59th Place, Cheverly MD DX-398
(WM-MD)	William McGuire	405 JH Whittaker Rd, Newborn, GA 30056-3033 Kenwood R-5000,136' lw N-S/ 175' lw E-W
(HN-GA)	Herb Newberry	Wilton, CT. Sony 2010, 1100' S Beverage, 300' LW Quantum QX loop, Quantum phasor
(RWK-CT)	Rick Kenneally	1062 Hwy 30 West New Albany, MS Drake R-8
(SDW-MS)	S. D. Warren	

LOGGINGS

540	PA	WWCS	Canonsburg 2/11 2100 Radio Disney hrd (WM-MD)
600	FL	WBWL	Jacksonville 2/13 2048 "WBWL ESPN Radio for Jacksonville" at the end of local ads, then back to ESPN. 10 O/S-9 on both wires with wavers (HN-GA)
630	GA	WBMQ	Savannah 2/13 1754 Break from Hannity talk show, local ads. Back to Hannity @ 1756 "on Newstalk 630 WBMQ" S-9 on both wires (HN-GA)
	KY	WLAP	Lexington 2/13 0231 Out of ABC news "Newsradio 620 WLAP" then down into slop. S9 on top of slop during brief appearance Best on E-W wire .New (HN-GA)
660	SC	WLFJ	Greenville 2/13 1800 "We're the religious talk voice of the Carolinias and North Georgia, 600 WLKJ" into relig. Pgm S-9 with slight waver on both wires (HN-GA)
670	IL	WSCR	Chicago 2/13 1803 Several promos for talk on "670, the Score"; Back to local sports talk. S-9 both wires (HN-GA)
690	FL	WOKV	Jacksonville 2/13 1806 Blasting in 10 O/S-9 with weather and traffic, then back to Hannity. Equal on both wires. (HN-GA)
720	NC	WGCR	Pisgah Forest 2/13 1813 Gspl mx in background of WGN signal. In their fade, WGSE Hoganville, GA fade in with // of WGST 640. S-9 on both wires at first, even with WGN (HN-GA)
	PA	WWII	Shiremanstown 2/12 1755 Two local ads hrd; mention of Gospel event in Harrisburg (WM-MD)
740	ON	CHWO	Toronto 2/4 0500 Clearly not a new logging, but first time I've hrd call letters. "This is Primetime Radio, AM 7-40, CHWO Toronto" (RWK-CT)
770	AL	WVNN	Athens 2/13 1827 Local talk show "News, weather , traffic on Dependable 770 WVNN" S-9 best on West wire. Power then Cut to 250 watts (HN-GA)
780	NC	WWOL	Forest City 2/11 1820 S. Gspl mx hrd; ID; Sign off (WM-MD)
790	TN	WETB	Johnson City "You'll always hear the best Southern Gospel right here on sunshine 790" (WM-MD)
	ON	CIGM	Sudbury 2/12 1800 After C&W song, "The news leader"; ID(WM-MD)
	PA	WPIC	Sharon 1/29 1720 ID by male hrd (WM-MD)
810	MO	WHB	Kansas City 2/5 1925 Call in sports show; "Sports Radio 810" ID (WM-MD)
	VA	WPIN	Dublin 1/29 1730 Old TV theme songs; "Your Positive Information

			Station"; SID (WM-MD)
820	NY	WWLZ	Horseheads 2/12 Promo for Kim Komando show; ID (WM-MD)
	ON	CHAM	Hamilton 1/30 1955 C&W MX hrd "C-H-A-M" (WM-MD)
830	NC	WTRU	Kernersville 2/13 1805 After news, ID, "The Truth" (WM-MD)
	PA	WEEU	Reading 2/14 1806 ID by Male (WM-MD)
860	MA	WSBS	Great Barrington 2/5 0700 Good with Buffett tune, then recorded ID "serving Berkshire, Litchfield and Columbia counties – this is WSBS Great Barrington, MA" then news that was covered by WWDB-PA sign on (RWK-CT)
	PA	WWDB	Philadelphia 2/5 0701 Signed on right after WWBS ID. Good Signal w/ calls, studio address, etc. PSA (RWK-CT)
	VA	WEVA	Emporia 2/5 0800 Weak in phase null of CJBC w/ talk about Figure skating. ID for 99.5 FM and ad for local position at Station, giving station address in Douglas. Mixing w/ unid LA Classic rock. New (RWK-CT)
890	VA	WKNV	Fairlawn 2/11 1740 "with more of todays Sountern Gospel"; "We are Joy AM" (WM-MD)
900	KY	WWLK	Eddyville 2/7 2328 C&W sounding mx hrd; ID (WM-MD)
	ON	CHML	Hamilton 2/14 1920 "Here on the Web, AM 900 CHML.com" (WM-MD)
940	GA	WMAC	Macon 2/11 2247 The Michael Reagan show hrd. (WM-MD)
960	AL	WERC	Birmingham 2/13 1905 Canned ID "WE-R-C" then into local ads. 10 O/S-9 on north wire with slight flutter (HN-GA)
	VA	WFIR	Roanoke 2/13 1800 "On the Roanoke Valley New Station"; CBS News (WM-MD)
1010	ON	CFRB	Toronto 2/13 2114 In slop heard "here on CFRB" Battle with moderate pitched het, zero beat at 1009.9. 10 O/ S-9 and even with het at peaks on west wire (HN-GA)
1050	NY	WEVD	New York 2/7 2335 ESPN Sports hrd. (WM-MD)
1070	AL	WAPI	Birmingham 2/13 1905 Traffic report. Faded at 1907 as WFLI faded in. WAPI back at 1908 with talk. 10 O/S-9 slop level. WAPI new , WFLI a night semi-regular. Best on West wire(HN-GA)
	TN	WFLI	Lookout Mountain 2/11 1823 S. Gspl music hrd; ID (WM-MD)
1110	NE	KFAB	Omaha 2/16 0000 Hammered by WBT but still there with TOH ID "KFAB Omaha where news breaks first." Used loop to weaken WBT as phasor would not null. First NE here. Thanks to Barry McLamon for the tip. New (RWK-CT)
1130	LA	KWKH	Shreveport 2/13 2123 with WBBR in deep fade, KWKH in with LSU BB. 10 O/S9 as strong as WBBR on West wire (HN-GA)
	NY	WBBR	New York 2/13 2120 "Bloomberg News Radio Busines News" and "1130 WBBR" quick ID before spots. Also "Bloomberg 11-3-0" 10 O/S-9 best on west wire (HN-GA)
1140	VA	WXLZ	St. Paul 2/11 2358 Barely readable u/ WRVA with C&W song. Thanks to Barry again for the tip. (RWK-CT)
1150	VA	WNLR	Churchville 2/9 1800 In mush w/ mention of "Because of the restrictions of the Federal Government...." then rising with "AM 11-50 WNLR", then singing then full sign off. New (RWK-CT)
1160	FL	WEWC	Callahan 2/13 1919 "1160 W-E-W-C" local DJ with call ins for dedications for Love Songs. Very soulful black DJ Local PSA's 10 O/S-9 on west wire w/ flutter. "The Tiger Touch" (HN-GA)
	ME	WSKW	Skowhegan 1/30 1900 Presumed with ESPN Radio (WM-MD)
	NY	WMVI	Mechanicsville 2/19 2315-2335 Fair under a bunch of stuff on the channel. ID at 2330 as: Moon Radio AM 900 & 1160. New (DH-NJ)
1200	SC	WMIR	Atlantic Beach 2/13 1935 "Dont forget to call in your gospel favorites, mornings here on 1200 WMIR" 10 O/S-9 on west wire not readable on North wire. Had to be runing day power of 6500

1240 SC WKDK watts. New (HN-GA)
Newberry 2/3 0021 Morse code faintly readable in mush and only for an instant. Heard "DK WKDK" and could detect more code but that's all. Thanks to Powell for the test. (RWK-CT)

1260 IA KFGQ Boone 1/28 1735 Good w/ legal ID, into rel. Prog (SDW-MS)
MI WWJQ Zeeland 2/2 1730-1755 Rel talk show, local spots, call ID. Dominant and best signal this season (SDW-MS)

SD KWYR Winner 2/7 0920 Fr-Gd w/ C&W and ID "Serving you and your Family for over 40 years Country 1260 KWYR" also hrd "Country From the Heartland" (SDW-MS)

1270 KS KSCB Liberal 2/7 0930 Fair w/ QRM. Sports talk w/ ments of Dodge City, Garden City, KS PSA, & Local spots (SDW-MS)
MO KOZQ Waynesville 2/2 0920 Fair w/ sports talk, mention of KFBD 97.9 and call ID (SDW-MS)

1280 IA KCOB Newton 1/28 1710 In Briefly w/ C&W mx and KRZN(?)/KCOB sponsoring event at the Newton Mall. (SDW-MS)

1290 GA WCHY Savannah 2/13 1941 Financial talk show. Ex- Disney 10 O/S-9 A nighttime regular (HN-GA)

1310 IA KOKX Keokuk 2/18 1805 Dominant at times w/ local nx, m\wx, call, MOS MX, also ID as AM 1310, FM 93.9" (SDW-MS)
MI WCCW Traverse City 2/2 1755 Fair at times w/ WDXI QRM. Sports talk and quick legal ID at 1800 (SDW-MS)

1320 PA WJAS Pittsburgh 2/13 2134 Out of local ads with "your memories station 1320 WJAS" S-9 barely on top of slop, best on west wire (HN-GA)

1330 IL WNTA Rockford 2/7 0030 Over WVHI w/ R&B mx, call, "Rhythm of Rockford" Groovin 1330" Dominant after WVHI s/off. Probably on 1 KW day power. (RWK-CT)

1380 VA WBTK Richmond 2/1 1930 Ad; ID; Rel pgm (WM-MD)

1410 NE KOOQ Noth Platte 2/1 0920 Fair with Oldies mx, call ID (RWK-CT)

1420 MD WDJY Salisbury 1/29 1750 Radio Disney heard (WM-MD)

1450 IL WVON Cicero 1/26 0210 Dominant w/ NOS mx and ID "The best music is on WVON Cicero-Chicago" Last heard in 60's (RWK-CT)

1460 IN WKAM Goshen 1/26 0100 Fair w/ Legal ID (SDW-MS)
MI WBRN Big Rapids 0155 Dominant w/ ESPN Sports, legal ID w/ AM - FM Power etc at s/off (SDW-MS)

1480 MI WSDS Salem Twp 2/17 0300 Rising up over end of WZJY w/ "AM 14 80 WSDS Salem" then I believe it went into CNN news (RWK-CT)
PA WDAS Philadelphia 2/17 0500 Fair with spots and "Philly'sbest gospel 14 - 80 WDAS" followed by wx & talk. I think regular WZRC NYC was off - hence three new stns in one evening. (RWK-CT)

SC WZJY Mount Pleasant 2/17 0259 A real surprise in mix w/ end of song "That sounded C&W, then ID by man WZJY Mount Pleasant SC" Rest covered by WSBS First time I've worked 1480 w/ S. Beverage So it is possible this was indeed 44 watts. (RWK-CT)

1520 FL WHIM Apopka 2/6 0500 Getting clobbered bt WWKB but still audible "You're listening to 15-20 WHIM Apopka-Orlando, your Christain music station" then shoral music & talk (RWK-CT)
NY WWKB Buffalo 2/13 0254 In jumble hrd "WWKB Buffalo" on top of S-9 Slop level. On E-W wire. Slop of adj. WCKY. Business news items At TOH after legal ID. New (HN-GA)

1550 VA WKBA Vinton 2/1 1732 Ad; ID by male (WM-MD)

1570 NC WNCA Siler City 2/5 2100 ID hrd in mess (WM-MD)

1600 MO KTTN Trenton 1/23 0820 Fair briefly in KLEB null w/ local nx items; KTTN news time 7:27" (SDW-MS)
MI WMHG Muskegon 1/27 0915 Dominant w/ NOS MX, call ID, slogan

1640 CA KDIA "Unforgettable memories on Magic 1600" (SDW-MS)
Vallejo 2/17 0200 Weak but clear w/ WKSH off. "This is KDIA Vallejo, the all new business radio 16-40, the Bay Areas only all Business news. Not new but very welcome. Thanks to Barry for the Tip (RWK-CT)

1680 FL WTIR Winter Garden 2/13 2027 Very dominant O/KYEA with Tourist infomation for Florida. "16-80 Information Radio" 20 O/S-9 regular nighttime visitor (HN-GA)

1700 FL WJCC Miami Springs 2/13 2035 On top w/ SS-Rel mx and mention of "Radio Luz" slogan 20 O/S-9 best on West Wire, minor fades with KBGG Des Moines filling in the fades. (HN-GA)

A GREAT turnout this week.....73fresh. ..2/17 1900see you all next week !!!

DX WORLDWIDE - WEST / TROPICAL BAND DX

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PAN AMERICAN DX ROUNDUP

860 **MEXICO**, Monterrey, NL, XENL 2/21 1245. Have followed this station on 860 for over a week of TOH recordings, too. Listed sked of 1200-0600 appears to be accurate. Although I did catch two full IDs, this station usually IDs with a canned singing version of "Radio Recuerdo" by a female group. Early morning programming is very classical romantica. Poor in phase null of KKOW. (JB-OK)

860 **MEXICO**, Cd. Juarez, Chih. XEZOL 2/21 1226. Have followed this station for a week of all night TOH recording before finally nailing a full ID at 1228. This station usually present here weakly in the phase null on KKOW, Pittsburg KS. Often is mixing with a second Mexican All Nighter. XEZOL runs NA at aprox. 0700 and 1300. (JB-OK)

THANKS TO THIS REPORTER

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DX WORLDWIDE - EAST

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Deadlines are Mondays. ALL TIMES IN UTC.

*** TRANSATLANTIC DX ***

549 **ALGERIA** Chaine 1, Les Trembles, FEB 17 0540 - group chant & drums; poor to fair. [Connelly-MA]

558 **SPAIN** RNE R.5 synchros, FEB 17 0539 - man in Spanish; in WGAN slop. [Connelly-MA]

567 **IRELAND** RTE R.1, Tullamore, FEB 18 0410 - English news discussion; poor. + FEB 20 0507 - news; fair. [Connelly-MA]

639 **SPAIN** RNE R.1, La Coruna, FEB 17 0537 - Spanish talk; getting around CBN. [Connelly-MA]

747 **NETHERLANDS** Flevoland, FEB 19 0453 - country influenced vocal. [Connelly-MA]

- 756 **GERMANY** DeutschlandRadio, Braunschweig & Ravensburg, FEB 18 0415 - lush orchestral music, then German talk; over second station (probably Spain). [Connelly-MA]
- 765 **SWITZERLAND** RSR, Sottens, FEB 17 0542 - man in French, then country / Celtic influenced vocal with fiddles; good.
+ FEB 18 0416 - romantic female vocal; good. [Connelly-MA]
- 774 **SPAIN** RNE R.1 synchros, FEB 17 0533 - Spanish teletalk; to fair peak. [Connelly-MA]
- 837 **CANARY ISLANDS** // **SPAIN** COPE synchros, FEB 17 0531 - fast Spanish talk; good [Connelly-MA]
- 855 **SPAIN** RNE R.1 synchros, FEB 21 0436 - Spanish talk; fair with local pest WEEI phased. [Connelly-MA]
- 864 **FRANCE** France Bleu, Paris, FEB 20 0517 - // 1377 with French talk, music; poor. [Connelly-MA]
- 909 **UNITED KINGDOM** BBC R.5 synchros, FEB 18 0420 - bits of English talk; under bad WABI slop. [Connelly-MA]
- 945 **FRANCE** Le Mouv, Toulouse, FEB 19 0448 - man & woman in French mentioned Le Monde newspaper; excellent. [Connelly-MA]
- 999 **SPAIN** COPE, Madrid, FEB 20 0519 - fast Spanish talk, barely getting by strong CKBW. [Connelly-MA]
- 1017 **GERMANY** SWR-1, Wolfsheim, FEB 19 0446 - "American Pie" by Don McLean; fair. [Connelly-MA]
- 1062 **DENMARK** Danmarks R., Kalundborg, FEB 17 0528 - absolutely blasting in with Shakira's hit "Whenever, Wherever". [Connelly-MA]
- 1089 **UNITED KINGDOM** TalkSport synchros, JAN 14 0427 - fair with talk "Good Morning, you're on TalkSport".
+ JAN 18 0425 - teletalk; fair.
+ FEB 19 0443 - discussion of US radio talkshow styles and personalities; excellent. [Connelly-MA]
- 1098 **SLOVAKIA** R. Slovensko, Velke Zalusie, FEB 19 0439 - Balkan ballad style vocal, then Slavic talk by woman; to good peak. [Connelly-MA]
- 1134 **CROATIA** Hrvatski R., Zadar, FEB 19 0437 - Slavic talk; fair to good. [Connelly-MA]
- 1179 **SWEDEN** (t) R. Sweden, Solvesborg, FEB 19 0435 - apparent Swedish talk; in tough WHAM slop. [Connelly-MA]
- 1188 **HUNGARY** RFE, Marcali, FEB 19 0432 - Slavic-sounding talk with telephone-quality audio; getting through slop. [Connelly-MA]
- 1206 **FRANCE** France Bleu, Bordeaux, JAN 14 0453 - man and woman in French, no music was played during the 2 minutes I listened (unusual for this station).
+ FEB 17 0457 - romantic French vocal; loud. [Connelly-MA]
- 1215 **SPAIN** COPE synchros, JAN 14 0432 - Spanish talk; over UK. [Connelly-MA]
- 1215 **UNITED KINGDOM** Virgin R. synchros, JAN 14 0458 - David Bowie song, adverts; jumbled with Spain.
+ FEB 18 0437 - techno-dance music, English talk; fair.
+ FEB 19 0430 - "Don't Get Me Wrong" by the Pretenders; excellent. [Connelly-MA]
- 1314 **NORWAY** NRK, Kvitsoy, FEB 17 0550 - Norwegian talk about the Olympics; poor to fair through slop.
+ FEB 20 0527 - classical violin music; to good peak. [Connelly-MA]
- 1359 **SPAIN** Arganda, JAN 14 0435 - bits of Spanish talk; through CKBC slop. [Connelly-MA]
- 1377 **FRANCE** France Bleu, Lille, FEB 17 0119 - "One More Night" by Phil Collins; good.
+ FEB 19 0424 - French teletalk; good. [Connelly-MA]
- 1422 **GERMANY** DeutschlandRadio, Heusweiler, FEB 19 0422 - // 756 with light instrumental music, man & woman in German; poor to fair. [Connelly-MA]
- 1467 **FRANCE** TWR, Roumoules, FEB 18 0445 - segment of classical music, German talk; fair. [Connelly-MA]

- 1575 **SPAIN** SER synchros, FEB 20 0533 - fast Spanish talk; over presumed Italy. [Connelly-MA]
- 1611 **VATICAN** R. Vaticana, Vatican City, FEB 20 0532 - Slavic-sounding talk; loud. [Connelly-MA]

*** PAN-AMERICAN DX ***

- 1375.02 **ST. PIERRE ET MIQUELON** RFO, St. Pierre, FEB 17 0124 - man & woman in French; good.
+ FEB 19 0424 - comedy show; excellent. [Connelly-MA]
- 1620 **US VIRGIN ISLANDS** WDHP, Fredriksted, St. Croix, FEB 17 0126 - soca song "Long Time to Wait"; piling over WTAW/WDND on N-S broadband loop, in jumble on other antennas.
+ FEB 17 0600 - booming in with ID mentioning WRRR-1290 AM, WAXJ-103.5 FM, and WDHP-1620. [Connelly-MA]

*** CONTRIBUTOR ***

[Connelly-MA] = Billerica, MA (GC= 71.221 W / 42.533 N) e-mail -
MarkWA1ION@aol.com. Receiver: Drake R8A. Antenna system: sloper, broadband loop, various longwires to Superphaser-1 phasing unit

IRCA TECHNICAL COLUMN

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The Ten-Tec RX-320 as a MW receiver

Description

The Ten-Tec RX-320 is a small "black box" style receiver which boasts only a power switch, two antenna inputs (one of which is for a whip antenna), power input from a wall transformer, audio line and speaker output, and a serial port DB-9 connector (see Figure 1 for the rear view of the radio; the front panel simply contains the company logo). It tunes 100kHz to 30MHz and is intended to be controlled from the serial port of a PC by a program supplied by the manufacturer which runs under 3.1 and later versions of Windows. The program displays a receiver front panel (see Figure 2) which is controlled by mouse clicks and/or keyboard entry. There is also more sophisticated software (Worldstation) available from a Ten-Tec reseller, Dextra (<http://www.dextra.com>) as well as from Gerd Niephaus (<http://members.tripod.com/~gniiephaus/gnrx320/gnrx320.html>). For further background on the receiver, see <http://www.tentec.com/> where you can view manuals and data sheets, and download the program which runs the receiver from a PC. You can also try the receiver from the comfort of your home by going to <http://www.ralabs.com/webradio/> and trying a web controlled RX-320 sited near Syracuse, NY.

A DXers TECHNICAL GUIDE

Now in its 3rd edition (published early 1998), this 155 page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a Beverage and phasing unit, and much more. Only \$10.00 for IRCA members, \$12.00 for non-members (overseas airmail add \$2.50).

IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334



Figure 1 -- rear view of RX-320

As you can see from information on the above websites, the receiver has a final intermediate frequency of 12 kHz, but rather than the conventional analog detection of the signal at that frequency, it is instead digitized, and its IF filtering, detection and AGC are all done by digital signal processing inside the receiver. This isn't an uncommon approach in recent high end receiver design, but you must remember that this radio is priced at about US\$300. Of course, that price doesn't include a PC, but many DXers already consider a PC an important part of their listening post, so have the capability on hand. In addition, the software runs on simple PCs using versions of Windows which are now considered obsolete. Such PCs may otherwise be headed for the trash heap, so one could in fact dedicate an otherwise unwanted PC (including geriatric laptops) to running this receiver.



Figure 2 -- screenshot of RX-320 virtual front panel

Ten-Tec doesn't claim this to be a top of the line radio. The specifications are somewhat roughly defined, but in combination with its software, it does boast many of the features of a reasonable communications receiver, for example, 10 Hz readout, 3 AGC speeds, 34 (!) IF filter passbands of 300 Hz through 8000 Hz (claimed to have shape factors of 1.5:1), AM/USB/LSB/CW, variable tuning steps to 10 Hz, memories, and a spectrum analyzer display.

How does it work?

Reviews of this receiver (for example, <http://www.rnw.nl/realradio/rx320a.html> and <http://www.anarc.org/naswa/issues/1298/equip1298.html>) have tended to emphasize its shortwave performance, and feature out of date displays and options (no AGC adjustment or S-meter, and fewer IF filters). I decided to look at its medium wave capabilities, comparing it with a Drake R-8, and occasionally with my homebrew receiver, and was pleasantly surprised.

The software worked much as advertised, though when using Windows 3.1 on a 25 MHz 386 PC, I got reasonably frequent communication error messages which often coincided with a mouse clicked command. These errors were not apparent on faster PCs running later versions of Windows. Although only 5 IF filter buttons are displayed on the front panel display, you can choose what you consider to be your most desirable passbands of the 34 available. These displayed passbands can be easily changed with a couple of mouse clicks.

Unfortunately, most urban MW DXers use indoor loop antennas which are sensitive to nearby noise sources; most PCs, or at any rate, their monitors, are a noise source at medium wave frequencies, especially at close quarters. Unless you have a quiet PC or use external antennas with well shielded lead ins, it may be difficult to seriously consider this receiver. I didn't have the luxury of a quiet PC, so my tests were done using a random wire antenna fed through a matching transformer with isolated windings.

My expectations were that the RX-320 would have a tough time of it using such an untuned antenna with two 10 kilowatt locals within five miles. In fact, in comparison with the Drake R-8, the RX-320 did remarkably well. A third order spurious product from the locals were observed on 1240 kHz using the random antenna, but these were also heard on the R-8, and even a bit on my homebrew receiver with four stages of front end tuning. As noted below, the R-8 has considerably more sensitivity at this frequency, however. Where the radio failed more definitely was in its rejection of second order products. Using an untuned antenna resulted in a spur on 1670 from my local on 1070 and a Vancouver station on 600 kHz. Similar spurs were found on several upper band frequencies.

Further evidence of signal overload on the RX-320 was that strong sideband splatter had a less defined and denser sound than it did on my homebrew receiver, and to a degree, the R-8. On 1260 kHz, for instance, noisy splatter from 1250 obliterated any evidence of daytime audio (though there was a carrier noted), but weak audio could be heard through the sharper sounding splatter on both the R-8 and the homebrew. However, this was not a common occurrence. Occasionally the more sensitive R-8 showed more signs of overload than the RX-320 when using the random wire; my 900 local showed up on 840 kHz, for example, if the R-8's front end attenuator wasn't used. I would have liked an RF gain control or front end attenuator on the RX-320, as sometimes the audio output had a compressed sound as if it had been overdriven in earlier stages.

Although sensitivity is supposedly degraded below 500 kHz, I did not see any evidence of a lack of sensitivity at the lower end of the MW band. If the R8 or the homebrew heard a carrier on a channel, but no audio, then the RX-320 heard it also. (For example 640, 740, 780, 1220 and 1440 kHz during a February day in Victoria, and 1566kHz at sunrise on the following morning) If audio did fade up, it appeared almost as quickly on the RX-320 as it did on the other receivers. Having said this, using a signal generator with this RX-320 revealed that it was at least 20 dB more sensitive at 10MHz than at 1MHz, and that the Drake was easily 20 dB more sensitive at MW frequencies. In an urban environment, that extra sensitivity didn't seem necessary and would have highlighted the RX-320's poorer signal handling capabilities.

Although the IF filters seemed to be reasonably steep sided, and to have more or less the passband claimed (the carrier on a signal pinning the S-meter disappeared 3400 Hz away when a 3000 Hz filter was used for example), the wide variety of passbands seemed to be unnecessary. For the most part in MW DXing, it seems more important to have good demodulation capabilities to avoid the worst effects of sideband splatter. As with several other receivers, I found the best mode for DXing with this radio was to use ECSS (exalted carrier selectable sideband), by switching to USB or LSB and zero beating the signal. I noted that the display was about 100Hz low in the unit I was using, which apparently is not uncommon. Although the Ten-Tec software does not have passband tuning, the software from Dextra and from Gerd Niephaus appears to feature it, which would make this approach to DXing even more productive.

The AGC was a pleasant surprise, as many consumer grade receivers of the past 20 years seem to have been unable to deliver a suitable AGC characteristic for MW or tropical band DXing. Even the respectable NRD-535 had a rather slow "fast" AGC characteristic which left noticeable holes in the desired audio after splatter or noise bursts. If it wasn't for the ability to switch off the AGC on such receivers, they would not be much use for MW DXing. The RX-320's fast AGC recovers quickly from noise bursts, and allows the listener to use his ears as much as possible to dig out a signal from under the noise and splatter, which is just as well, because it can't be switched off. I did not find many situations where AGC "pumping" (on signals with a sub-audible heterodyne) was a problem that couldn't be solved by moving to the next slower AGC speed. Front end attenuation would likely have also helped to reduce pumping. The S-meter on the display is marked 0 to 80, so is not useful for reading a signal in "S" or any other units, but it does have a fairly wide dynamic range (I found it to handle -100 to -30dBm at 1 MHz, and linear enough that you could consider the markings to be in dB), and is useful for finding loop nulls, if the noise from your PC hasn't already drowned out the signals.

Other features

There is the capability of storing thousands of channels in memories in a file on your PC hard drive. Frequency, mode and filter are stored along with any additional information that you want to enter about the channel. AGC setting isn't saved however, and there's enough of a delay between hearing one station and the next when recalled from memory that it would be difficult to check for parallels using the memory function.

There is also a spectrum analyzer display accessible in the software; a scan takes 20 seconds, mutes the receive and can cover ranges from 3 kHz to 1500 kHz. Although the display gives a pretty clear indication of which frequencies are active, I've never developed the patience to wait for scans of this sort to complete; I can tune through the frequencies more swiftly, particularly using the memories. Can't deny the entertainment value, however.

Conclusions

Considering the price tag, this could be a very worthwhile receiver for medium wave DXing, as it has many features found on more expensive receivers, and acquits itself quite well in selectivity, AGC, S-meter and general demodulation capabilities. It has reasonably good strong signal handling, and though it is at the price of reduced sensitivity at MW frequencies, the reduced sensitivity is unlikely to be a problem in urban areas, but might be so in isolated and electrically quiet areas. Unfortunately, the PC and its monitor required for running the radio are well known noise generators at medium wave frequencies and preclude the antenna setup of choice for many DXers: the tuned loop antenna at the radio. The RX-320 is a good enough performer that it might be worth searching for a quiet PC to accompany it. John Fallows, from whom I borrowed the receiver for this test (many thanks!), says that there are relatively quiet PCs and monitors out there.

This receiver has struck a chord with those who like to modify receivers. There are hardware changes to allow full sensitivity to 100 kHz, and tuning down to 10 kHz (details at <http://www.amrad.org/projects/lf/RX320LFMod.html>).

Palm OS (<http://wb4huc.home.texas.net/rx320/>) and MS-DOS (found at <http://home.att.net/~jacksonharbor/rx320imp.htm>) control programs exist, as well as the design for a handheld controller (<http://www.interlog.com/~cfraser/RX-320home.htm>). The controller, or the use of a Palm Pilot to control this receiver may well be a way to avoid the local noise generated by a controlling PC.

* * * * *

While checking out the above sites, you might also want to look at <http://www.kn4lf.com/kn4lf5.html> which offers 7 day mediumwave propagation forecasts; you can also get on a mailing list for these forecasts.

Finally, on the K9AY group, it was suggested that those looking for Vactrols to terminate their antennas might want to visit the following site <http://www.bgmicro.com>



THE INTERNATIONAL RADIO CLUB OF AMERICA P.O. Box 60241, Lafayette LA 70596

<http://www.geocities.com/Heartland/5792>



The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 40 times a year (weekly from September to April, twice monthly from May to August) and in printed form 35 times a year (weekly September to April, monthly May to August). **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.

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