



DX MONITOR

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New email for DXM: DXM.EIC@gmail.com. DXM is weekly now! Seattle deadline, every **Monday** 6 PM PLT.

DXtreme Monitor Log 11

DXtreme Software has released DXtreme Monitor Log 11, which lets users log stations throughout the radio spectrum and make use of advanced features that can make their radio and television monitoring experience more enjoyable. See www.dxtreme.com or contact Bob Raymond at bobraymond@dxtreme.com for more information.

Links Correction

I neglected to update the links for our Slogans List and TIS/HAR list (due to our new web site). The correct links are http://www.ircaonline.org/editor_upload/File/2017_IRCA_Slogans_List.pdf and http://www.ircaonline.org/editor_upload/File/TIS_2016.pdf. These are free to download at your convenience – pb



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

DATE OF COLUMN: December 2, Column data span: November 18-December 2, Data courtesy of **Stationintel.com**, FCC database and member contributions.

CALL CHANGES

FREQ	OLD CALL	CITY OF LICENSE	NEW CALL
570	WSPZ	Bethesda, MD	WWRC
	WFNL	Raleigh, NC	WQDR
940	KCMC	Texarkana, AR	KTFS
1260	WWRC	Washington, DC	WSPZ

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ	CALL	CITY OF LICENSE	NEW INFORMATION
560	KMON	Great Falls, MT	old slogan: "The Tradition", new: "K'Mon Country Radio 560"
570	WSPZ	Bethesda, MD	old slogan: "The Answer", new: "AM 570 The Answer"
	WQDR	Raleigh, NC	was comedy, now classic country, old slogan: "Funny 570", new: "Just Right Country"
620	WTRP	La Grange, GA	was oldies now classic hits
870	WPWT	Colonial Heights, TN	old slogan: "Tri-Cities Top Gun", new: "96.3 The Possum"
910	WLAT	New Britain, CT	old slogan: "Mega 910", new: "Mega 910 and 101.7"
920	KVEL	Vernal, UT	old slogan: "News/Talk/Sports 920 KVEL", new: "News-Talk-Sports 920 KVEL"
930	WWON	Waynesboro, TN	old slogan: "Big Oldies 930", new: "Big Oldies Radio"
1060	WIXC	Titusville, FL	was silent, now news/talk, adds slogan: "AM 1060 News"
1130	WEAF	Camden, SC	was silent, now urban gospel
1140	WQII	San Juan, PR	now silent
1170	WKFL	Bushnell, FL	now silent
	KOWZ	Waseca, MN	old slogan: "1170/106.3 The Train", new: "1170-106.3 The Train"
1210	WDGR	Dahlongega, GA	now silent
	WANB	Waynesburg, PA	old slogan: "Cool Country", new: "105.1-1210 WANB Cool Country"
1230	WRJX	Jackson, AL	now silent
	WNEZ	Manchester, CT	old slogan: "WNEZ Latina 1230", new: "Exitos 105.3"
	WHIR	Danville, KY	old slogan: "News/Talk/Sports 1230", new: "News-Talk-Sports 1230"
1240	WKIQ	Eustis, FL	was silent, now regional Mexican, adds slogan: "La Gigante"
	KFH	Wichita, KS	old slogan: "Sports Radio KFH 1240 AM/98.7 FM", new: "Sports Radio KFH 1240 AM-98.7 FM"
1250	WRCW	Warrenton, VA	old slogan: "The Answer", new: "AM 570 The Answer"
1260	WSHU	Westport, CT	adds Beethoven Network classic as secondary format
	WSPZ	Washington, DC	was talk, now new unknown format
1280	WSUX	Seaford, DE	now silent
	WFYC	Alma, MI	was Westwood One NBC Sports Network, now Fox Sports Radio
1300	KSMD	Searcy, AR	old slogan: "KWCK 99.9 Continuous Country", new: "Dam Country 1300-96.3"
1330	WFIN	Findlay, OH	old slogan: Your News/Sports/Weather Authority, new: "Your News-Sports-Weather Authority"
1340	KRBT	Eveleth, MN	was Fox Sports Radio, now Fan Radio Network
1350	KLHC	Bakersfield, CA	was silent, now ethnic, adds slogan: "Punjabi Radio"
1360	KPHN	El Dorado, AR	was silent, now Eternal Word Network religious teaching, adds slogan: "Catholic Radio"
	WHNR	Cypress Gardens, FL	old slogan: "Kickin' Country 1170", new: "Kickin' Country"
	WKYO	Caro, MI	was oldies, now classic country, old slogan: "Oldies 1360", new: "Classic Country WKYO"
	WHJC	Matewan, WV	was silent, now southern gospel
1390	WZHF	Capitol Heights, MD	was Spanish, now talk, adds slogan: "Radio Sputnik"
1460	KDWA	Hastings, MN	old slogan: "KDWA AM 1460/FM97.7", new: "KDWA AM 1460-FM 97.7"
1480	WKND	Windsor, CT	old slogan: "Urban Adult Music Mix", new: "The Power 97.5"
1490	WIRB	Level Plains, AL	now silent
1520	KFXZ	Lafayette, LA	was regional Mexican, now Spanish CHR
1530	WCTR	Chestertown, PA	was talk, now classic hits, old slogan: "WCTR Your Information Station", new: "Best Of The 60's, 70's And 80's"
1540	WDCC	Albany, NY	now silent
1550	KWRN	Apple Valley, CA	now silent
1570	WYTI	Rocky Mount, VA	was traditional country, now classic country, adds secondary format of Bluegrass
1580	WJFK	Morningside, MD	was sports, now talk, old slogan: "CBS Sports Radio 1580", new: "Connecting Vets 1580"
1590	WRXB	St Petersburg Beach, FL	now silent
1680	WOKB	Winter Garden, FL	was silent, now urban gospel, adds slogan: "Inspiration 1680"

Well, last day on my job was Friday 12/1, looking for work again. Had a good Thanksgiving though, hope did everyone else. Doing my Xmas cards this week so expect some from me for many of you. DX conditions are definitely good, hope everyone hears new stations for the holidays. Have a great start of December.

73's. Bob Wien



For November 2017, December 1 2017

CALL LETTER DATA

1350	QC	Gatineau	new	Will become CHFO.
BRANDINGS				
900	ON	Hamilton	CHML	From AM 900 to GLOBAL NEWS RADIO.
980	ON	London	CFPL	From AM 980 to GLOBAL NEWS RADIO.
OFF THE AIR				
1240	ON	Stratford	CJCS	3 month authorized simulcast period for flip to 107.1 FM has expired.
NEW STATIONS GRANTED				
1350	QC	Gatineau		Community. 1,000 watts (days)/180 watts (nights). Variety. French. Radio Communautaire Francophone et Francophile de l'Outaouais.
AM TO FM CONVERSIONS GRANTED				
600	NB	McAdam	CBAX	Move to 95.5 from 600. Will operate with 50 watts.
810	MB	Winnipeg	CKJS	Move to 92.7 from 810. Will operate with 19,700 watts (35,000 watts Max. ERP).
900	BC	Nakusp	CBUM	Move to 91.3 from 900. Will operate with 50 watts.
EXTENSIONS GRANTED				
960	ON	Mississauga	CKNT	Elliot Kerr has until July 31 2018 to get this 2,000 watt News-Talk station on the air. This is the 4th and final extension to be granted.
PROPOSED AM TO FM CONVERSIONS				
600	NL	Saint Anthony	CBNA	Move to 100.3 with 4,500 watts.
690	ON	Ear Falls	CBOI	Move to 95.5 with 50 watts.



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

WDXR DEADLINES: Dec 8, Dec 15, Dec 22, Dec 29, Jan 5, Jan 12, Jan 19 and Jan 26. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-DXing from Lake Pleasant AZ desertmoon_dxshack@inbox.com
RS DX-375 and SW-2000629, Terk Advantage loop, Panasonic RF-2200
- (BB) **Bill Block**-Prescott Valley AZ billblock@cablone.net
R8, Wellbrook ALA1530LN
- (GH) **Glen Hansen**-64985 Olson Rd.-Deer Island OR 97054 gbhansen2@outlook.com
Hammarlund HQ-145A and SP-600, R-390A, various longwires, Kiwa loop
- (GH-DX2) DXing from Gardiner on the Oregon Coast with JRC-NRD and 1000' Beverage N-S
- (JP) **Jon Pearkins**-Edmonton AB jon@pearkins.com
Sangean PR-D5 with 8" internal ferrite rod
- (AWP) **Art Peterson**-Richmond CA awpeterpsonpf@att.net
JRC NRD-545, Quantum ferrite loop, Bonito Boni-whip active antenna

- *****
- 530 WNSA652 **CA**, Oakland Office of Emergency Services seems to be located in the Montclair District in the hills, marginal signal 10 miles away, 24/7. (AWP-CA)
 - 540 KVIP **CA**, Redding 11/14 2140 religious talk, fair and alone on frequency. (GH-DX2)
 - 580 KUBC **CO**, Montrose 11/28 0126-0130 quickly dominating KTMT with Coast to Coast then Dick Orkin (Chickenman) ad for montrosehelpwanted.com. (JP-AB)
 - KTMT **OR**, Ashland 11/28 0123-0126 all alone on a quiet frequency with repeated mentions of "Southern Oregon" and even a "Home of the Seattle Seahawks." (JP-AB)
 - 590 KSUB **UT**, Cedar City 11/27 0845 local program on outdoor recreation in UT to ID by man, network news. Good, steady. Logged on DX-375. The radio belonged to my late mother, who had a particular interest in listening to Radio Taiwan on Short Wave. Later I would discover it was a very good performer on Medium Wave. Each year, I log a few stations with it on 11/27 – her birthday. Reception was enhanced with an inductively coupled loop. (RB-AZ) (What a wonderful tribute to your mother, Rick. – NJ)
 - 790 KBET **NV**, Winchester heard 11/25 at 2200 with "KBET Winchester-Las Vegas, Talk That Rocks." (BB-AZ)
 - 810 WHB **MO**, Kansas City 12/1 0148:40 "Sports Radio WHB" ID then into ESPN, all alone in KGO null after CKJS faded out. (JP-AB)
 - KTBI **WA**, Ephrata heard 11/28 at 1929 with s/off info and at 1930 "Goodnight from KTBI." (BB-AZ)
 - ?CKJS? **MB**, Winnipeg 12/1 0143-0145 tentative under KGO talk while trying to null KGO, with light classical music but could not make out male announcer in very brief break at 0145; seems to fit their "Night Flight" program; CRTX just approved CKJS move to FM. (JP-AB)
 - 870 KFLD **WA**, Pasco 11/9 0030 ID, news and community calendar. Weak in a noisy mix, only one discernible on SP-600 with E-W wire. (GH-OR)
 - 880 KRVN **NE**, Lexington 11/12 01050105 "KRVN Weather Watch" with forecasts for different areas of the state. Up from the mix for a minute or two. Long time no hear! Fair to poor on R-390A and E-W wire. (GH-OR)
 - 900 CKBI **SK**, Prince Albert heard 11/27 at 0840 with "It's 7:40 and the high today will be -1" then country music and both songs were on the CKBI Just Played List. (BB-AZ)
 - 940 KIXZ **TX**, Amarillo heard 11/30 at 1932 with "Newstalk KIXZ, The Voice of Amarillo." (BB-AZ)
 - 1030 KTWO **WY**, Casper 11/9 0000 ID and news, "Kay 2" another station in there as well. Fair on R-390A with E-W wire. (GH-OR)
 - 1040 WHO **IA**, Des Moines 11/27 2150 break from Hannity show to "Iowa's Live News Center, Newsradio 10-40, WHO" by man. Channel sounded dead on DX-375 until I tuned up the Terk Advantage loop, inductively coupled. S-9 signal. (RB-AZ)
 - 1100 KNZZ **CO**, Grand Junction 11/26 0500 ID by man "AM 11-hundred, KNZZ" into Fox News. Could be heard clearly underneath local KFNN. (RB-AZ)
 - 1270 KVMJ **CA**, Tulare 11/15 1700 Christmas music and ID. Very weak and choppy, one UnID in there as well. (GH-DX2)
 - 1290 KKDD **CA**, San Bernardino 11/23 0935-45 fair with traffic report for Hwy 91 and ID as "Newstalk KD" and later a spot for local carpet store. Interesting to note that the last time I sat on this channel, it was KUMA and KPAY, this time not a whisper from either of them. Semi-local KAZA was a distant third in the mix both days with ethnic format. (AWP-CA)
 - KOUU **ID**, Pocatello 11/23 0920-1015 playing tag with KKDD for dominance with non-stop classic country hits, at times totally swamping KKDD and local KAZA. Pretty clever call: K-O-double U or "cow." (AWP-CA)
 - KOWB **WY**, Laramie heard 11/27 at 1959 with "Listen to Rush Limbaugh on KOWB 1290." (BB-AZ)
 - 1320 KIFM **CA**, Sacramento 11/27 2133 man with "ESPN Sports for Sacramento, ESPN Radio 13-20," strong and clear on DX-375. (RB-AZ)
 - 1330 KNSS **KS**, Wichita heard 11/28 at 1906 with "KNSS." (BB-AZ)
 - KOVE **WY**, Lander heard 11/28 at 1900 with "1330 Country KOVE." (BB-AZ)
 - 1340 KATA **CA**, Arcata 11/15 0030 ad for local events and ESPN talk, fair and alone. (GH-DX2)
 - 1380 KOOO **OR**, Ontario heard 11/27 at 1918 with "Cool Oldies 105.1." (BB-AZ)
 - KHEY **TX**, El Paso heard 11/30 at 0850 with "We are El Paso's Sports Radio 1380." (BB-AZ)
 - 1390 KLTX **CA**, Long Beach 11/27 2100 good clear ID by man in Spanish. Had been fighting it out, and sometimes completely covering KENN. Mark Kevin had just concluded the talk show on KENN when KLTX suddenly buried them again just in time for the ID. Strong and clear on RS DX-375. (RB-AZ)

- 1410 KIIX **CO**, Fort Collins heard 11/27 at 1912 with traffic report and at 1913 "Kicks Country 1410." (BB-AZ)
 1440 KRDX **CO**, Wray 11/24 0114 male announcer "Here's another classic hit on AM 14-40, KRDX," to Bruce Springsteen "My Hometown." Good, mostly over the co-channels on barefoot RF-2200. (RB-AZ)
 1480 KGOE **CA**, Eureka 11/14 2300 weak but dominating the pack with ID and ads for local businesses. (GH-DX2)
 1490 KYCA **AZ**, Prescott 11/26 at 1000 Community Calendar before the hour, news recaps, network news at ToH. Almost like a local well after sunrise. (RB-AZ)
 1620 KSMH **CA**, West Sacramento 11/27 0825 interview program on priesthood. Good, steady on RS DX-375 and passive loop. (RB-AZ)
 1640 KBJA **UT**, Sandy 11/28 0100 "AM 16-40 KBJA Sandy, Salt Lake City," Salem news. Very good over the mumble rumble, on RF-2200. (RB-AZ)
 1680 KGED **CA**, Fresno 11/27 0930 ID, Dave Ramsey promo, Hugh Hewitt morning show and interview on Catholic church issues. (RB-AZ)

Thank you WDXR reporters this week! – Nancy 12/1 1900



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

RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood MO **N0UIHEric@aol.com**
 CountyComm GP-5/SSB Ultralight receiver, Grundig AN-200 tunable loop, Yaesu FRG-7, Worcester Space Magnet II

DOWN THE DIAL

- 560 WIND **IL**, Chicago. 11/30 fair signal over WHBQ, no ACI from KTRS 550. 0304 with SRN News, network spots into *The Hugh Hewitt Show*. [EB-MO]
 920 KDHL **MN**, Faribault. 11/29 fair signal over CFRY, KARN. 0505 noted with tail end of ABC News, local spot, weather forecast, MN news items, "You're up to date on Nine-20 KDHL" ID at 0508 into Country format. [EB-MO]
 950 WWJ **MI**, Detroit. 11/30 fair signal over other stations. 0257 noted with local spot, "Traffic and weather on the eights, News radio Nine-50 WWJ" ID at 0258, weather forecast and a traffic report mentioning I-75. [EB-MO]
 1010 CFRB **ON**, Toronto. 11/28 fair signal over WINS. 0445 noted with local spots, "This is your news, talk and sports station, In-Depth Radio, News, talk Ten-Ten CFRB AM" ID. [EB-MO]
 1070 WCSZ **SC**, Sans Souci. 11/27 fair signal over CHOK, WFNI. 0508 noted with a Regional Mexican format, "La Jefa, noventa y cuatro punto nueve FM" ID in Spanish. Must have been on day power. [EB-MO]
 1350 WKCU **MS**, Corinth. 11/30 fair to poor signal, mixing with KRNT and WARF. 2236 noted with a Country format, "Country 92-point-Nine WKCU" ID. Must have been on day power. [EB-MO]

FLASHBACK

December 3 1966 issue of "DX Monitor" ... **Rick Evans** of Gary IN told about his 2' square box loop and the great results ... **Larry Godwin** of Berkeley CA logged YVLL. // November 30 1991 issue of "DX Monitor" ... **Randy Stewart** of Springfield MO commented on the death of KCMO 810's talk show host Dr Marshall Saper ... **Steve Hawkins** of Manteca CA said he enjoyed the Monterey convention, his first convention ... **Larry Godwin** of Missoula MT ordered a Palomar loop ... **Mark Connolly** of Billerica MA told about a DXpedition to Newfoundland with **Neil Kazaross** and **Jean Burnell**.

OPEN MIKE

Thanks to Eric we have a column this week. This column was typed 12-1-17. 73, John



EASTERN DX ROUNDUP – Eric Bueneman (N0UIH) – 631 Coachway Lane – Hazelwood MO 63042-1347
E-mail: n0uiheric@gmail.com **DEADLINES: Friday 2359 ELT**

TUNING THE DIALS THIS ISSUE:

- (KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
 Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop
 (PS-ON) **Paul Snider**, Welland ON, Canada
 Elad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner
 (RW-MD) **Robert Wien** (KG6RJW/3), Laurel MD
 2011 Ford Fusion car radio

ACROSS THE DIAL

- 540 WFLF **FL**, Pine Hills – 11/23 1800 noted with "News radio 102.5 WFLA" ID by a male announcer. The signal was noted mixing with WDAK, WETC, WGTH, WRGC and unidentified stations with Christian teaching and Gospel music. (KK-VA) (Your unidentified Christian teaching station is WASG Daphne AL; your unidentified Gospel music station is WYNN Florence SC, which is Urban Gospel – eb)
 WDAK **GA**, Columbus – 11/23 1725 noted with "News radio 540 WDAK; have something to say? Say it here." ID by a male announcer. The signal was noted mixing with WETC, WFLF, WRGC and possibly WASG and WYNN. (KK-VA)
 550 WDUN **GA**, Gainesville – 11/23 1720 noted with "Georgia's News/Talk AM 550 and 102.9 FM WDUN" ID by a male announcer. The signal was noted mixing with WGR, WSVA and an unidentified station with songs from the '70s. (KK-VA) (WDUN announces Northeast Georgia as its primary coverage area; I used to listen to this in morning drive when I was working in Alpharetta GA, and remember Bill Maine – eb)
 560 WQAM **FL**, Miami – 11/23 1800 noted with a football game, "The Home of the Dolphins" slogan by a male announcer, followed by a "WQAM" jingle. The signal was noted mixing with CFOS, WFRB and an unidentified station with vocal music in Spanish. (KK-VA)
 570 WWRC **MD**, Bethesda – 11/23 1632 noted with "The answer you've been looking for, 570 WWRC Bethesda, 1250 WRCW Warrenton, 570 the Answer" legal ID by a male announcer. As of November 20 2017, WSPZ and WWRC swapped calls; WSPZ is now on 1260 and WWRC has moved to 570. The signal was noted mixing with an unidentified talk station. (KK-VA)
 580 WILL **IL**, Urbana – 11/23 1744 noted with NPR programming. Is this the other talk I'm hearing? The signal was noted mixing with WCHS, WHP and unidentified stations with Country and Talk formats. (KK-VA) (This is definitely WILL you heard; they're the only NPR member station on 580. It is a regular during the day at my location, even with local KFNS on 590 – eb)
 590 WDWD **GA**, Atlanta – 11/23 1725 noted with "Coming up next on 590 WDWD, *Face Talk Atlanta*" mention by a male announcer. The signal was noted mixing with WVLC and an unidentified station with a Rock format. (KK-VA)
 WVLC **KY**, Lexington – 11/23 1657 noted with "News/Talk 590 WVLC and on FM 97-point-Three; Your Lexington... for talk" ID by a male announcer. The signal was noted mixing with WDWD and an unidentified station with a Rock format. (KK-VA) (When I lived in metro Atlanta, this was WKHX, simulcasting the FM on 101.5 MHz; older DXers may remember this as WPLO or WAGA – eb)
 970 WCHN **NY**, Norwich – 11/29 2257 noted with sports talk from Fox Sports Radio, "970 WCHN" ID by a female announcer at 2300, Fox Sports promos. I've been trying to ID this for a while; supposedly ESPN, but has been reported airing Fox Sports Radio. A poor to very poor signal was noted under WDCZ. (PS-ON)
 1330 KPTY **IA**, Waterloo – 11/26 Midnight noted with a Contemporary Hit Radio format, recognized "Havana" by Camila Cabello, "107.3 the Party" ID at 0006 into another musical selection before fading out. A poor to very poor signal in a mix of stations; confirmed via Tune-In Web stream. (PS-ON)
 1410 WING **OH**, Dayton – 11/27 1756 noted with a good signal atop the frequency; "Wing 1410" ID, followed by an ad for Buffalo Wild Wings mentioning "Beer, wings, sports; Buffalo Wild Wings, Your Dayton Sports Center". "Wing 1410" and "ESPN 1410" IDs, fading out into a jumble with unidentified Spanish talk. Maybe on non-directional day pattern; night pattern is mainly north-south with minor lobes to the west and east. (RW-MD)
 CJWI **QC**, Montreal – 11/27 1803 noted with talk by a male announcer in French; faded out by 1805. (RW-MD) (CJWI is the only French station on 1410, according to the latest NRC Log – eb)

NRC Antenna Pattern Book, 7th Edition

The 7th Edition of the **NRC Antenna Pattern Book** is now available. This all new edition prepared by NRC'er Paul Swearingen is an all-inclusive book of patterns for both Day and Night operation of stations in the USA, Canada and selected foreign stations. The data for the book comes from the 34th Edition of the AM Radio Log and NRC'er John Callerman's comprehensive Mexican station listing.

The book comes shrink wrapped in 8½ by 11 three hole punch format for placement in your own three ring binder. There are 240 pages and the book has maps covering 530 through 1700 kHz depicting the lower USA, Canada and Mexico. Hawaii and Alaska are shown on separate maps at the end of the book.

Price: **IRCA/NRC Member USA** \$26.95, \$32.95 for non-members (add \$4.00 for Priority Mail delivery to US addresses only). To Canada \$39.25; airmail outside of US and Canada \$49.95. For those outside the US, use PayPal or a postal money order in US funds only.

Beverage and Longwire Antennas Design and Theory (BAM)

This manual is a compilation of numerous articles on the subject of design and theory of the beverage and longwire antennas that have appeared through the years in **DX News**. Some articles are available as reprints. This book gives details information on the theory of operation, construction and maintenance of a beverage antenna. Serves as an enhancement to Antenna Reference Manuals Volume 1 and 2. 8 1/2" X 11" booklet format.

BAM Contents:

The Coolum Beach Beverage 1983

Beverage Basic Theory

The Florida Beverage

The Care and Feeding of the Wave Antenna

A Non-Resonant Longwire Remote From Earth Ground

Two-Wire Phased Antennas

Analysis of the Beverage Antenna

Price: **IRCA/NRC Member USA** \$8.95, Non-Member USA \$12.95. Other countries write for quote sales@nrndxas.org.

Loop Antenna Design and Theory (LAM)

Revised and updated in 1996, this manual is a compilation of numerous articles on the subject of design and theory of the loop antenna that have appeared through the years in **DX News**. This book gives detailed information on the theory of operation, construction and maintenance of a loop antenna. Serves as an enhancement to Antenna Reference Manuals Volume 1 and 2. 8 1/2" X 11" bound book format.

LAM Contents:

Multi-Rod Ferrite Loop Antennas

Loop Antenna Theory and Practice

Loop Distortion Why get Skewed?

High Dynamic Range Balun Loop

The Hot Rod- Ferrite Loop Antenna

High Precision Direction Finding

What's Wrong With Present Day Loop Antennas?

Roll Your Own! (Loop)

Long Wave Converter Detail

Pattern Controlled Loops

BFE-C Loop Amplifier Card

Loop Antenna Sensitivity

High Performance Loop Amp

Price: **IRCA/NRC Member USA** \$9.95, Non-Member USA \$13.95. Other countries write for quote sales@nrndxas.org.

Antenna Reference Manual Volume 1 (ARM1)

8th Printing Digitally Enhanced and Updated for 2005! This book features the plans for the original NRC 4' FET Altazimuth loop antenna. Revised in the Spring of 2005 with digitally enhanced drawings and updated material sources! This manual also contains other articles on the subject of antennas for medium wave DXers, most were originally published between 1969 and 1974 in **DX News**. Includes articles on air-core and ferrite core loops, antenna tuners for longwire antennas and antenna couplers. This is the original book which has been available for over 20years. 8 1/2" X 11" bound book format.

ARM-1 Contents:

NRC FET Altazimuth Loop

Thoughts on FET Loop Construction

Tips on Loop Construction

Balanced and Unbalanced Loops

A 'Collapsible' Loop for Travel

Antenna Tuning Devices for Longwires

The Hawk Loop

Balanced FET Amplifier

NRC Two Foot Loop

One Transistor Loop amplifier

Direct Coupled Loops

BCB DXers Beverage

'Bob Flick' Loop Antenna Coupler

Alternative Methods of Air Core Loop Amplification

Price: **IRCA/NRC Member USA** \$8.95, Non-Member USA \$11.95. Other countries write for quote sales@nrndxas.org.

NRC County Cross Reference (CCR)

Compiled by Bill Hale. This handy reference has a complete list of counties in the USA and Canada. These are listed alphabetically and cross referenced by state.

Price: **IRCA/NRC Member USA** \$8.95, Non-Member USA \$11.95. Other countries write for quote sales@nrndxas.org.

Order from NRC, PO Box 473251, Aurora CO 80047-3251 or www.nrndxas.org. Colorado residents, please add 3.5% sales tax. Please state club affiliation when ordering.

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

CLUB OFFICERS AND CONTACT INFORMATION

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MEMBERSHIP DUES

Worldwide \$10

Make checks and Money Orders in US funds payable to IRCA.

All dues and address changes go to: **IRCA, PO Box 60241, Lafayette LA 70596**

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