

March 1, 2003 - Volume 40, Number 24 - Edition 1281 - ISSN 899-9733

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### Publisher's Notes

The Anniversary Issue is 2 weeks away. Send in an introduction, some tips, a comment or two... let the Forum editor know you want it to be in the Anniversary issue. Let's make this one gigantic!

Welcome to new member **Stephen Schneider** of Fresno CA—we look forward to hearing from you soon! -RT

### Last Reminder for the Upcoming Election

From now thru March 1, 2003 nominations are open for President, Secretary-Treasurer, and the seven members of the Board of Directors.

Only one nomination each for President, Secretary-Treasurer, and only seven nominations for the Board shall be allowed each IRCA member. An eligible member may nominate him/herself. All nominations must be submitted in written form (letter, fax or e-mail) to the Election Committee Chairman, **Reid Wheeler**, by March 1, 2003. His address is 5910 Boulevard Loop SE, Olympia, WA 98501-8408. Telephone 360-786-6756, fax 360-753-3824 and e-mail [wma001@attbi.com](mailto:wma001@attbi.com).

### PayPal

Secretary-Treasurer **Lynn Hollerman** informs me that [ircamember@ircaonline.org](mailto:ircamember@ircaonline.org) is now registered with PayPal. To use PayPal, you need to set up an account. PayPal charges a service fee, so if you wish to renew your membership, please remember to add \$1 to the dues you would owe. That means SDXM is \$11, the printed DX Monitor sent to a USA address is \$26, and to receive both is \$31. Contact Lynn at [ircamember@ircaonline.org](mailto:ircamember@ircaonline.org) for more information.

### DX Tests

**PLEASE NOTE:** Even if you don't hear a test, be sure to contact the station, and thank them for going to the trouble to run a test! Please remember, what's listed as being on, say, Monday morning "may" be what you think of as Sunday night!

**Thursday, March 13, 2003** -- 1420 WKWN Trenton, GA Midnight-1am LOCAL (EST) (0000-0100 EST) Test will consist of distinctive music and CW ID. WKWN will be testing at 2.5 kW, non-directional. WKWN's phone number is 706-657-7594. Arranged by Phil Patton for DX-midAmerica. Reception reports may be sent to:

WKWN Radio  
PO Box 829  
Trenton, GA 30752  
Attn: Phil Patton



Thanks to **John J. Rieger**, DX-midAmerica

**Thursday, March 20, 2003** -- 910 WEPG South Pittsburg, TN Midnight-1am LOCAL (CST) (0100-0200 EST) Test will consist of distinctive music and CW ID. WEPG will be at 5 kW non-directional. WEPG's phone number is 423-837-7577. Arranged by Phil Patton for DX-midAmerica. Reception reports may be sent to:



WEPG Radio  
105 Ash Ave  
South Pittsburg, TN 37380  
Attn: Phil Patton

Thanks to **John J. Rieger**, DX-midAmerica

John notes that WKWN and WEPG will use "Voice, music and the following digital modes: RTTY 45.45 baud at 170 Hz shift, BPSK31, MFSK, THROB, (1 kHz bandwidth, long interleave) and SSTV Scottie DX mode. Hopefully the other modes will be of interest to someone, if nothing else hearing a teletype style signal on the AM broadcast band will be good proof it was us! By the way, the center frequency for the teleprinter modes will be 1900 Hz."

Here's the results of the most recent DX test that has been received here:

**WRCR-1300, Spring Valley, NY** - tested Sunday, February 16, 2003 from 12:00-1:00 am ELT: According to an e-mail sent to me by DXer **Gordon Bell** of Troy, NY, this test never happened. WRCR's owner says that the station had lost power about 10 minutes prior to the test, and he was 200 mi away at the time, trying to get the tx to come up remotely - their backup generator is a manual start! He also mentioned that he was told that an 18-wheeler brought down 3 poles with power lines, and it took 12 hours to restore service. Several reports of not hearing this test reached me, along with one asking if the test did indeed run. WRCR's owner says he is willing to reschedule the test, so perhaps we can try again!



That's all for now... **Lynn** ([ircamember@ircaonline.org](mailto:ircamember@ircaonline.org))

### Web Sites for AM DX Stuff

Do you have a burning need to know what **postage rates** are in various countries around the world? A Swiss-based website by Marcus Seitz called **Postage rates worldwide-Postgebühren weltweit** keeps up to date with the most commonly used rates for over 50 countries. A nice touch from my point of view is that each country's rates to the USA are listed. You can find this at <http://www.atms.ch/rates/default.htm>

If you have found an interesting website that revolves around AM medium wave radio, or complimentary facets of the hobby, be sure and let me know about it!

### FALL 2002 VERSION! The IRCA Mexican Log 8<sup>th</sup> Edition



lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The log has been completely updated from the 2001 edition and carefully cross-checked by several IRCA members. **This is an indispensable reference for anyone who hears Mexican radio stations.** Size is 8 1/2" x 11" and three hole punched for easy binding. **Prices:** IRCA/NRC members - \$9.50 (US/Canada/Mexico/sea mail), \$10.50 (rest of the Americas airmail), \$11.00 (Europe/Asia airmail), \$11.50 (Australia/New Zealand airmail). Non-members: add \$2.50 to the above prices.



To order the IRCA Mexican Log from the **IRCA Bookstore**, send the correct amount (in US funds payable to **Phil Bytheway**) to:

**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.

### REPORTERS FOR THIS ISSUE:

- (BB) Bruce Bacon-Boise County, ID [bwbacon@mindspring.com](mailto:bwbacon@mindspring.com)  
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- (AB) Art Blair-507 Canyon Terrace Lane-Folsom, CA 95630 [artngwen@calweb.com](mailto:artngwen@calweb.com)  
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- (BP) Bob Pietsch-230 Winchester Court-Foster City, CA 94404  
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Grundig Satellit Millenium with Terk AM loop
- (DP) Doug Pifer-3410 Marion St. SE-Albany, OR 97321 [oregon4wd@attbi.com](mailto:oregon4wd@attbi.com)  
Drake R8B, Kiwa loop
- (NP) Nigel Pimblett-1146 Queen Street-Medicine Hat, AB T1A 1B4  
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AOR 7030 & 150' EWE

- \*\*\*\*\*
- 740 KTRH TX, Houston 2/20 0300 in good but faded quickly. KCBS seemed a bit weaker, being equal to KTRH at the top of the hour, with "Today's hot local stories." Several ID's. New from here. (DP-OR)
- 810 KBHB SD, Sturgis 2/16 2003 with C&W music and ID as "KBHB Sturgis" at 1315, temporarily over KGO for nice daytime DX. (BB-IR)
- 840 KXNT NV, North Las Vegas 2/21 0257 Mike Gallaher show, CBS news at 0300. (AB-CA)
- 870 KLSQ NV, Laughlin 2/20 0429 Spanish. Generally poor with KFLD and WWL winning. Songs sounded like Top-40 Spanish for the 70's. Interesting. Heard slogan "Requerdo Ocho Setenta AM" several times. (DP-OR)
- 980 KUPI ID, Ammon 2/20 0545 fair, slogan "Cupie 98" heard followed by Barbra Streisand song. (DP-OR)
- 1250 KKDZ W, Seattle 2/20 0920 Disney programming, mixing & under KEYT. (AB-CA)
- 1360 KKMO WA, Tacoma 2/17 0450 fair in Spanish. Full ID in English at 0503 "1360 KKMO, Tacoma, Seattle. Service of Salem Communications." Slogan "Radio Sol." (DP-OR)
- 1400 KBRB NE, Ainsworth 2/9 0202 Cornhusker women's basketball coverage, ads for farm businesses and insurance business in Bassett. (NP-AB)
- ?WATW? WI, Ashland 2/9 0100 tentative with end of Sports Byline USA, and call ID through a jumble, but with only the "TW" portion clear. (NP-AB)
- 1460 KLTC ND, Dickinson 2/14 1944 with live girls basketball game. Many breaks for local ads and on occasion it went back into the game with "District 14 Girls Basketball on 1460 KLTC." New. (MJS-AB)
- 1540 WPTR NY, Albany 2/14 2002 with EZL type music, and then a very clear "WPTR Albany" ID. Only in for a few seconds and then gone. This was a great surprise as I never expected to hear anything from the east coast at this time of the day. New. (MJS-AB)
- 1650 KBJD CO, Denver 2/14 2357 with ID "KBJD, Denver" coming out of Bruce Williams show at top of the hour and into newscast. Decent signal in KFOX null. (BP-CA)

1660 WQSN MI, Kalamazoo 2/7 2200 heard "AM 1660 WQSN" ID through dominant KQWB. (NP-AB)

Friday March 7 will be the deadline for the anniversary issue WDXR. I hope to see many reporters that week! Nancy 2/21 2100

## CENTRAL DX ROUNDUP

Editor: John C. Johnson

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.
- [JJR-WI] **John J. Rieger**, South Milwaukee, WI  
JohnJRieger@webtv.net  
<http://DX-midAmerica.com>  
<http://DXMW.com>  
Icom IC-R75, Kiwa loop, GE Superadio III, Terk AM 1000 loop.

### DOWN THE DIAL

- 800 KXIC IA, Iowa City. 2-22 poor over unID. 07:04 with local news. [JJR-WI]
- 930 KWOC MO, Poplar Bluff. 2-16 poor, no usual WAUR. 02:33 with local car spot, "News radio KWOC." New. [JJR-WI]
- 970 WMAV IL, Springfield. 2-22 poor, alone. 07:00 with legal ID. [JJR-WI]
- 1150 CJRC PQ, Gatineau. 2-16 fair. No CKOC. 02:23 with FF programming. [JJR-WI]
- 1240 WSBC IL, Chicago. 2-21 poor. 18:41 with local spots, "Shadow Traffic." [JJR-WI]
- 1330 WVHI IN, Evansville. 2-15 poor. 19:30 with legal ID between religious programs. [JJR-WI]
- 1490 CFPS ON, Port Elgin. 2-19 poor out of mess. 04:18 with "5-60 CFOS" jingle. This is rare here. [JJR-WI]
- 1560 KABI KS, Abilene. 2-19 very poor through nulled KNZR. No KKAA. 22:00 with TC and legal ID. [NJ-MT]

### UNIDS

- 1600 unID 2-16 unID poor. 03:03-03:12 with "Oldies Radio" off satellite. Looped NW. KCRG wiped them out later. Any ideas? KWOM? [JJR-WI]

### 25 YEARS AGO

February 25, 1978 issue of IRCA's "DX Monitor" ... New Members included **Mike Stonebridge** of Fox Creek, AB ... **Niel Wolfish** of Toronto, ON told about CFGM 1310 testing on 1320 ... **Douglas Miske** of Willowdale, ON said he was 14 and DXing for 3 years ... **Ronald F. Schatz** of Margate, FL told about his visit to Radio Aeropuerto 1085 in Honduras.

### OPEN MIKE

The anniversary issue is coming up very soon! Plan to be part of this big issue with tips to your DX columns and a reintroduction of yourself for the forum columns. This column was typed 2-22-03. 73, John

A bit of DX this week from **Nick Hall-Patch** and **Doug Pifer**. I had a little opening to Asia 2/25. So away we go.

PAN-AMERICAN DX ROUNDUP

860 **MEXICO**, Tijuana XEMO 2/20 0850 UTC Rather difficult under KPAM. Tijuana mentioned slogan "La Poderosa". Heard several times. (DP-OR)

TRANS-PACIFIC DX ROUNDUP

531 **JAPAN**, Morioka JOQG, good on top at 1310 UTC 2/25, JJ talk (PM-OR)

567 **JAPAN**, Sapporo, JOIK, good o/ Korean with JJ talk //531 at 1312 2/25. (PM-OR)

567 **REP. OF KOREA**, Woman in KK u/JOIK at 1312 UTC 2/25 (PM-OR)

t594 **JAPAN**

## VERIFICATION SIGNERS

*Stephen S. Howe – 8 Dutch Village, Apt. DL – Menands, NY 12204-2930*  
E-mail: showe@csc.albany.edu

My deadline is the last Monday of the month.

### CONTRIBUTORS

EK Edward Kusalik; ekusalik@telusplanet.net  
NP Nigel Pimblett; ntp@shockware.com

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

530 TIS Richard Olson, Electronic Design Eng; Washington State Dept of Trans,  
310 Maple Park Ave SE, P O Box 47300, Olympia WA 98504-7300;  
L; 23; NP [Station callsign is WPMF432 and is located in Pateros WA]

890 KLFF Jon (?) Fugler, PD; P O Box 1561, San Luis Obispo CA 93406; R++; 16;  
NP

1030 KTWO Dave Nutter, DirEng; 150 N Nichols Ave, Casper WY 82601; LcfM; 32;  
NP

1050 KTCT Erick Steinberg, Dir Technical Ops; 55 Hawthorne St, Suite 1100, San  
Francisco CA 94105-3914; LB; 13; NP

1060 KLMO Dick Fain, OpsMgr; 614 Kimbark St, Longmont CO 80501; L; 14; NP

1080 KSSL Hazel Powell, StnMgr; P O Box 1080, Price UT 84501; LB; 13; NP

1150 CKOC Nevin E Grant, PD/MxDir; 883 Upper Wentworth St, #401, Hamilton  
ON L9A 4Y6; F; 45; NP

1400 KFTM Nellie Flores, StnMgr; 16041 Highway 34, P O Box 430, Fort Morgan CO  
80701; LR; 51; NP

1400 KKTL Dave Nutter, DirEng; 150 N Nichols Ave, Casper WY 82601; cfM; 998;  
NP

1420 KTAN Paul Orlando, GM; P O Box 2770, Sierra Vista AZ 85636; L+; 14; NP

1470 WLCR David L Peppers, CE; 3600 Goldsmith Lane, Louisville KY 40220; L; 17;  
NP

1610 KALT S Tyler Swain, Attorney; Dominion Media Corp, 12200 NW Freeway,  
#675, Houston TX 77092; LP; 20fff; EK

1610 TIS Lisa Armentrout; Carbon County Visitors Council, P O Box 856, Saratoga  
WY 82331; L++++; 30; NP

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

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

NOTES: None

Nice to have our two Albertans, Edward and Nigel, back with us this month! I think this might be the first column in 10 years without a submission by Patrick Martin—truly a remarkable record of support! This column was prepared on 2/24/03. 73, SSH.

## GEOMAGNETIC INDICES

*Editor: Phil Bytheway*  
E-mail: phil\_tekno@yahoo.com

Geomagnetic Summary January 21 2002 through February 25 2003  
Tabulated from email status daily.

Date	Flux	A	K	Space Wx Today	Space Wx Forecast	Etc.
1/21	134	17	3	minor	no storms	7
22	130	18	5	minor	minor	7
23	136	18	3	minor	minor	7
24	130	15	3	minor	minor	7
25	129	26	2	minor	minor	7
26	125	17	3	no storms	no storms	8
27	121	10	3	no storms	no storms	6
28	126	12	2	no storms	no storms	5
29	124	12	3	no storms	no storms	7
30	121	23	1	minor	minor	6
1/31	120	13	1	minor	no storms	6
2/ 1	126	11	3	minor	minor	9
2	127	34	4	moderate	minor	8
3	127	34	4	moderate	minor	8
4	133	17	3	no storms	no storms	8
5	135	16	2	minor	no storms	7
6	140	9	1	no storms	no storms	7
7	150	14	3	minor	minor	6
8	147	11	2	no storms	minor	6
9	139	12	3	no storms	no storms	6
10	141	14	2	no storms	no storms	8
11	136	16	3	no storms	no storms	6
12	135	10	2	no storms	no storms	4
13	132	9	3	no storms	no storms	9
14	131	7	3	no storms	no storms	6
15	131	19	2	minor	no storms	6
16	124	18	3	no storms	no storms	6
17	119	13	3	no storms	no storms	7
18	112	12	3	no storms	no storms	6
19	110	18	3	no storms	no storms	6
20	116	12	3	no storms	no storms	8
21	118	17	3	no storms	no storms	8
22	120	13	2	no storms	no storms	6
23	107	12	2	no storms	no storms	7
24	104	10	2	no storms	no storms	4
2/25	102	6	1	no storms	no storms	7

## IRCA Stationery

Black/red masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00 (US and Canada), \$7.50 (rest of the world).

Order (in US funds payable to **Phil Bytheway**) from:

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



Three Loop Antenna Array with Electrically-Rotatable Nulling  
Mark Connelly, WA1ION

By using three broadband loop antennas set up at 120 degree bearing differences, a fully rotatable single-null (cardioid pattern) can be achieved by combining given pairs of loops. Furthermore, the three inherent figure-of-eight (double null) patterns produced singly by each loop can be "slewed" by as much as 30 degrees off their normal axes when the loop in question is phased against one or both of the remaining loops.

Good broadband results may be obtained with each loop element consisting of a 2.5 m (8.2 ft.) per side square: 10 m of wire total per loop. This is mounted in the vertical plane with the bottom side of each square no less than 0.5 m (1.6 ft.) above ground level. The wire comprising the loop may be formed on a non-metallic frame structure or simply held in place with ropes to tree branches or other supports. The feedpoint of the two wire ends is usually at the center of the bottom side (1.25 m from each low corner) and these wire ends connect to the primary of a 1:1 balun transformer, Mini-Circuits T1-6-X65 or a suitable homebrew equivalent. The balun should be mounted in a weatherproof connectorized box for permanent installations. The balun's secondary winding connects to coaxial cable which goes back to the operating position. Satisfactory results should be possible with cable runs up to 50 m / 164 ft. and perhaps longer. The minimum distance between the winding of any one loop and the nearest part of any other loop should be at least 5 m / 16 ft. to reduce unintended pattern alterations.

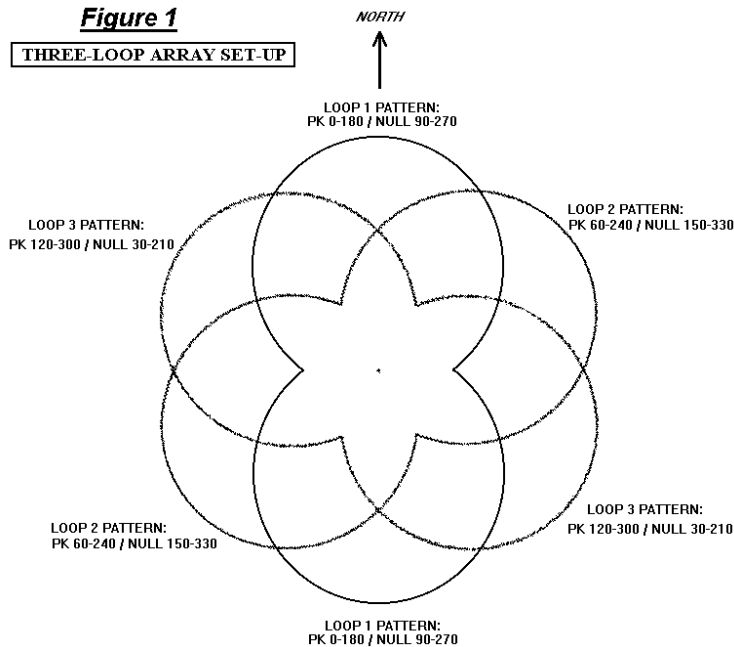


Figure 1 (above): 3-Loop Array Set-Up showing each loop's inherent pattern

The maximum pick-up of each loop element is in the two directions obtained if one extends an imaginary line from the top or bottom (horizontal) parts of the square. Nulls are at a right angle to the plane of the loop. Figure 1 shows the inherent pick-up patterns if the three loops are set up for 0:180, 60:240, and 120:300 degree peak orientations. (Note: 0 deg. = north, 90 = east, 180 = south, 270 = west.)

At the operating position, the coaxial cables from each of the three loops go to inputs of the Loop Switch / Amplifier box (figures 2, 3). This box has a fourth input jack, the auxiliary (AUX) input, that may be used for an omnidirectional horizontal loop, a vertical whip, a random wire, or any other antenna that the operator feels would enhance the usefulness of the set-up.

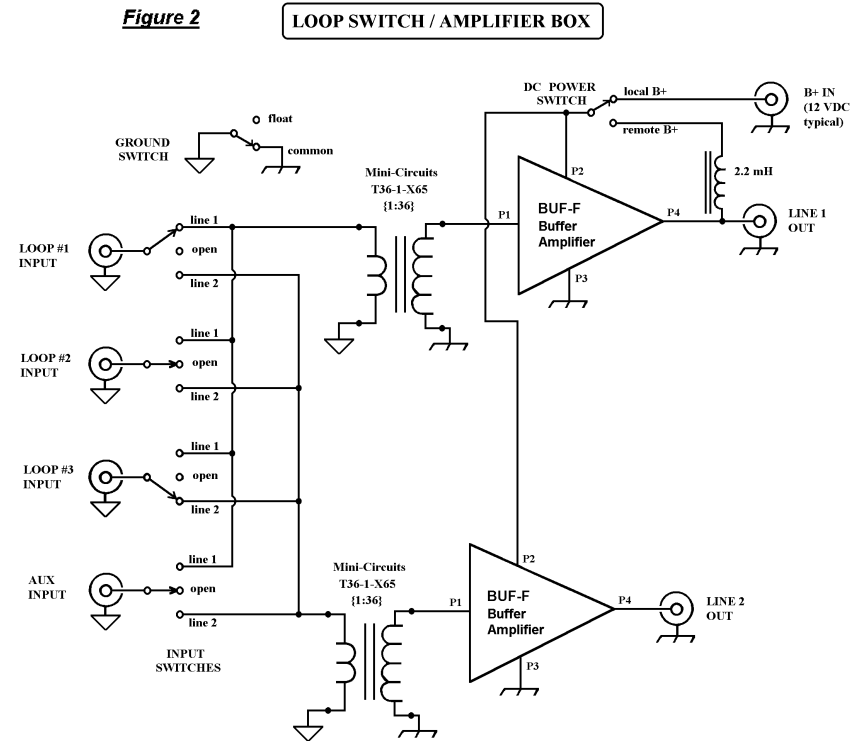


Figure 2 (above): Switch and Amplifier Box for 3-Loop Array

Switches on the box allow any of the four inputs to be directed to the Line 1 amplifier or to the Line 2 amplifier. Low noise amplification of about 15 to 25 dB is usually necessary with the relatively small broadband loops being used. One could connect two or more inputs to a single line amplifier for potentially unique null solutions, but I won't try to figure out when that could be helpful: that's better left to the end user.

The box's Ground Switch connects loops' coaxial shields to "station ground" (common) or allows them to float. Different locations will exhibit different results in terms of which Ground Switch setting yields the better ratio of desired signals to local electrical noise.

A cardioid pattern, or a close approximation thereof, can be produced with a given pair of loops having a minimum of 60 degrees and a maximum of 120 degrees between the peak pick-up axes of each. Optimum (truest cardioid) nulls will be on the bisector angle between a maximum pick-up lobe of the first loop and that of the second loop. If two loops were oriented so one pointed north-south and the other east-west (90 deg. spread), cardioid nulls would set up best on northeast, southeast, southwest, and northwest axes. As you choose bearings farther from bisector values and closer to inherent loop nulls, the patterns produced by phasing two loops would more closely resemble the figure-of-eight patterns of a single loop because one of the two loops is doing most of the work creating the null and only minimal added signal from the other loop is needed to move null depth from moderate to maximum. There are some situations in which a somewhat rotatable figure-of-eight is the desired pattern instead of the fully rotatable cardioid. The three loop system gives both options.

Looking at the 0:180 loop combined with the 120:300 loop may be instructive. The 0:180 loop has inherent figure-of-eight nulls at 90 and 270 degrees. By coupling in a little RF from one or both of the other loops, slewed figure-of-eight nulls can be obtained +/- 15 degrees from 90 degrees and from 270 degrees, i.e. in the 75-105 and 255-285 degree ranges. The 120:300 loop has nulls at 30 and 210 degrees that can be similarly "stretched" to 15-45 and 195-225 degree ranges.

Figure 4 (below): Loop Pairs to Select for Desired Directionality

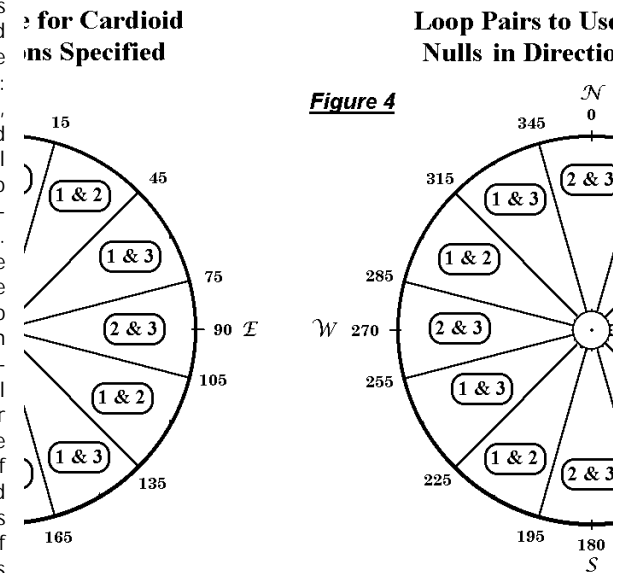
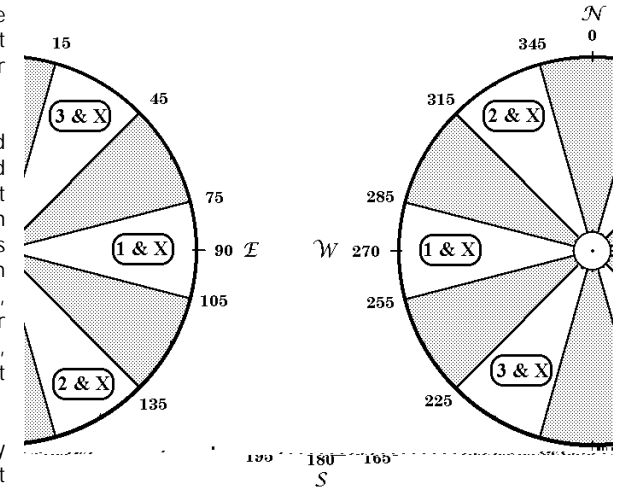


Figure 4 (below): Loop Pairs to Select for Desired Directionality



where X = either or both of the loops other than that listed ahead of the '&'

Shaded areas may lack figure-of-8 null coverage.

A simple-to-use (preferably broadband) phasing unit should be used on the two outputs of the Loop Switch / Amplifier box. The DXP-3 model should work well for this, at least in medium frequency (300 kHz - 3 MHz) applications. Links to design documentation for DXP-3 and several other suitable phasing units may be found at my RF Circuit page "http://www.qsl.net/wa1ion/index.htm" becomes unusable, contact me for updated information.)

Figure 3  
BUF-F BUFFER AMPLIFIER CARD  
Schematic

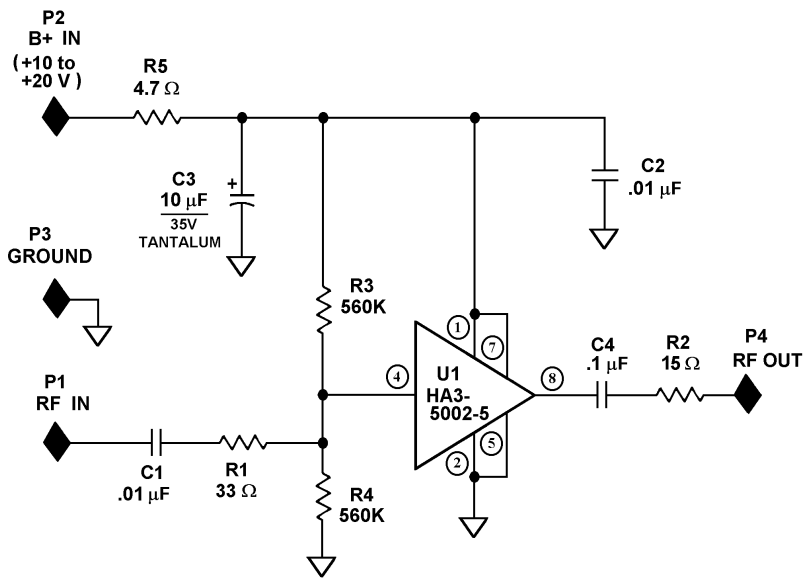


Figure 3 (above): BUF-F Amplifier Schematic (two per Switch / Amp. Box)

## BUSINESS TALK RADIO NETWORK

(PARTIAL LISTING) by Art Blair

550 KFRM Salina, KS  
560 KPQ Wenatchee, WA  
560 WGAI Elizabeth City, NC  
580 WTCM Traverse City, MI  
590 KTHO South Lake Tahoe, CA  
590 WVLC Lexington, KY  
610 KSKE Vail, CO  
620 KMJC Mount Shasta, CA  
640 WMFN Zeeland, MI  
660 WORL Altamonte Springs, FL  
680 WCBM Baltimore, MD  
750 KBNN Lebanon, MO  
850 WDJA West Palm Beach, FL  
860 WWDB Philadelphia, PA  
910 KJJQ Volga, SD  
920 KPSI Palm Springs, CA  
920 WMEL Melbourne, FL  
950 KCCO Saint Louis Park, MN  
960 KGWA Enid, OK  
960 WZRH Dallas, NC  
980 WCAP Lowell, MA  
1000 KCEO Vista, CA  
1030 KFAY Farmington, AR  
1060 KLMO Longmont, CO  
1060 WIXC Titusville, FL  
1080 KUDO Anchorage, AK  
1080 WHOO Kissimmee, FL  
1120 WBNW Concord, MA  
1130 KSDO San Diego, CA  
1150 KIMM Rapid City, SD  
1150 KQQQ Pullman, WA  
1150 KSAL Salina, KS  
1190 WIXL Pine Castle-Sky Lake, FL  
1220 WIBQ Sarasota, FL  
1230 KATO Safford, AZ  
1230 WAIM Anderson, SC  
1230 WBZT Pompano Beach, FL  
1230 WENY Elmira, NY  
1240 KBLL Helena, MT  
1240 KIUL Garden City, KS  
1240 KLYQ Hamilton, MT  
1240 KNRY Monterey, CA  
1240 KSMA Santa Maria, CA  
1240 WJNC Jacksonville, NC  
1240 WRTA Altoona, PA  
1240 WVKZ Schenectady, NY  
1250 KCUE Red Wing, MN  
1280 KIT Yakima, WA  
1280 WHVR Hanover, PA  
1280 WTMY Sarasota, FL  
1290 KGVO Missoula, MT  
1290 WHKY Hickory, NC  
1290 WJNO West Palm Beach, FL  
1310 KFLA Scott City, KS  
1320 WISW Columbia, SC  
1320 WJGR Jacksonville, FL  
1340 KIJV Huron, SD  
1350 WHWH Princeton, NJ  
1360 KMRN Cameron, MO  
1370 WOCA Ocala, FL  
1390 WPLM Plymouth, MA  
1400 KQMS Redding, CA  
1400 WANI Opelika, AL  
1400 WFTL Fort Lauderdale, FL  
1400 WLTN Littleton, NH  
1410 KBNP Portland, OR  
1420 KGNB New Braunfels, TX  
1420 WACK Newark, NY  
1430 WHAN Ashland, VA  
1430 WLTG Panama City, FL  
1440 KEYS Corpus Christi, TX  
1450 KDMN Buena Vista, CO  
1450 KFIZ Fond Du Lac, WI  
1450 KMMS Bozeman, MT  
1450 KVSL Show Low, AZ  
1450 WDNG Anniston, AL  
1450 WKXL Concord, NH  
1450 WMAJ State College, PA  
1450 WPSE Erie, PA  
1450 WSTU Stuart, FL  
1460 KKCS Colorado Springs, CO  
1470 WLVU Dunedin, FL  
1490 KRSN Los Alamos, NM  
1490 KYCA Prescott, AZ  
1490 WABJ Adrian, MI  
1490 WGCH Greenwich, CT  
1490 WSTP Salisbury, NC  
1510 KFNN Mesa, AZ  
1520 WWKB Buffalo, NY  
1540 KMPC Los Angeles, CA  
1540 WADK Newport, RI  
1580 KQWYD Colorado Springs, CO  
1590 WPSL Port Saint Lucie, FL  
1590 WSMN Nashua, NH  
1620 WTAW College Station, TX  
1660 WCNZ Marco Island, FL  
1670 WTDY Madison, WI

## Renfro Valley Gatherin' Radio Affiliates

Contributed by R.C. Watts



Renfro Valley is called "Kentucky's Country Music Capital", and for good reason: for 64 years, they have hosted country music festivals and concerts with headliners such as Charley Pride, Loretta Lynn, the Statler Brothers, Ray Charles, Patty Loveless, Billy Ray Cyrus, and more. **R.C. Watts** sent me clippings from the Renfro Valley Bugle, including this station list. Times seem to be daily unless otherwise noted. Their website is found at [www.renfrovalley.com](http://www.renfrovalley.com)

<b>WQZX 94.3 FM</b> Greenville, AL 6:30 a.m.	<b>WSFB 1490 AM</b> Quitman, GA 8:30 a.m.	<b>WIBW 580 AM</b> Topeka, KS 5:30 a.m.	<b>WKCM 105.7 FM</b> Hawesville, KY 8:30 a.m.
<b>WHIY 1190 AM</b> Moulton, AL 9:00 a.m.	<b>WTSH 1360 AM</b> Rome, GA 7 a.m.	<b>WANY 106.3 FM</b> Albany, KY 6:30 a.m.	<b>WSGS 101.1 FM</b> Hazard, KY 8:00 a.m. SUNDAYS
<b>KCCB 1260 AM</b> Corning, AR 9 a.m.	<b>WADX 1420 AM</b> Trenton, GA 7:30 a.m.	<b>WCMI 1340 AM</b> Ashland, KY 9:30 a.m.	<b>WIRV 1550 AM</b> Irvine, KY 7:45 a.m.
<b>KBUX 94.3 FM</b> Quartzsite, AZ 8:30 a.m.	<b>WWWN 1550 AM</b> Vienna, GA 7:30 a.m.	<b>WLJC 102.1 FM</b> Beattyville, KY 5:30 a.m.	<b>WJRS 104.9 FM</b> Jamestown, KY 6:00 a.m.
<b>WBAR 1460 AM</b> Bartow, FL 10 a.m.	<b>WCAZ 990 AM</b> Carthage IL 7:30 a.m.	<b>WKYR 107.9 FM</b> Burkesville, KY 10:05 a.m.	<b>WSAC 92.3 FM</b> Loisa, KY Sat. 9 a.m.
<b>WBGC 1240 AM</b> Chipley, FL 12:00 noon	<b>WHOW 1520 AM</b> Clinton, IL 7:30 a.m.	<b>WNES 1050 AM</b> Central City, KY 7:00 a.m.	<b>WLBN 1590 AM</b> Lebanon, KY 7 a.m.
<b>WQLC 102.1 FM</b> Lake City, FL 32055 8 a.m.	<b>WFIW 1390 AM</b> Fairfield, IL 8:30 a.m.	<b>WKDP 99.5 FM</b> Corbin, KY 8:30 a.m.	<b>WMTL 870 AM</b> Leitchfield, KY 9:30 a.m.
<b>WWKO 91.3 FM</b> Ocala, FL 6:30 a.m. SUNDAYS	<b>WLUV 96.7 FM</b> Loves Park, IL 7 a.m.	<b>WCPM 1280 AM</b> Cumberland, KY 7:30 a.m.	<b>WKDO 105.5 FM</b> Liberty, KY 10 a.m.
<b>WOKC 103 FM</b> Okeechobee, FL 10 a.m.	<b>WMMC 105.9 FM</b> Marshall, IL between 9-10 a.m. SUN	<b>WCYN 102.3 FM</b> Cynthiana, KY 12:00 a.m.	<b>WHRZ 97.7 FM</b> Madisonville, KY 7:30 a.m.
<b>WNFK 105.5 FM</b> Perry, FL 7:00 a.m.	<b>WLBH 1170 AM</b> Mattoon, IL 9:30 a.m.	<b>WNKR 106.5 FM</b> Dry Ridge, KY 8 a.m.	<b>WKLB 1290 AM</b> Manchester, KY 7 a.m.
<b>WCWB 101.7 FM</b> Trenton, FL 8 a.m.	<b>WBNL 1540 AM</b> Boonville, IN 7:10 a.m.-7:40 a.m.	<b>WFLE 1060 AM</b> Flemingsburg KY 11:00 a.m.	<b>WMJL 1500 &amp; 102.7</b> Marion, KY 6:30 a.m.
<b>WBAF 1090 AM</b> Barnesville, GA 5 p.m.	<b>WBNL 107.1 FM</b> Boonville, IN 7:10 a.m.-7:40 a.m.	<b>WKNK 99.1 FM</b> Edmonton, KY 9:00 a.m.	<b>WMIK 560 AM</b> Middlesboro, KY 7:30 a.m.
<b>WHIE 1320 AM</b> Griffin, GA 6:30 a.m.	<b>WMMC 105.9 FM</b> Marshall, IL 9 a.m.	<b>WIEL 1400 AM</b> Elizabethtown, KY 9:30 a.m. SUNDAYS	<b>WFLW 1360 AM</b> Monticello, KY 10:30 a.m.
<b>WTRP 620 AM</b> Lagrange, GA 10 a.m. SUNDAYS	<b>WTAC 1050 AM</b> Plymouth, IN 8 a.m.	<b>WFCR 1610 AM</b> Falmouth, KY 10:00 am SUNDAYS	<b>WLBO 1570 AM</b> Morgantown, KY 2:30 p.m.
<b>WBBT 1340 AM</b> Lyons, GA 10 a.m.	<b>WDHM 97.9 FM</b> Salem, IN 7:30 a.m.	<b>WUGO 102 FM</b> Grayson, KY 4:30 p.m.	<b>WMST 1150 AM</b> Mt. Sterling, KY 7 a.m.
<b>WKUN1580 AM</b> Monroe, GA 8:30 a.m.	<b>WKID 95.9 FM</b> Vevay, IN 7:30a.m.	<b>WHBN 99.3 FM</b> Harrodsburg, KY 7 a.m.	<b>WKCA 107.1 FM</b> Owingsville, KY 6:30 a.m.

Have any station news? Hear anything interesting? Let us know about it!

**WJKY 1060 AM**  
Russell Springs, KY  
5 p.m.  
**WSFC 1240 AM**  
Somerset, KY  
8:30 a.m.  
**WMTC 99.9 FM**  
Vancleve, KY  
6:05 a.m.  
**WCGW 770 AM**  
Versailles, KY  
10 a.m.  
**WLKS 1450 AM**  
West Liberty, KY  
10:30 a.m.  
**WEKC 710 AM**  
Williamsburg, KY  
7:30 a.m.  
**KTLD 1110 AM**  
Alexandria, LA  
Thurs. 12:05 & 7:05  
**KWJM 92.7 FM**  
Farmerville, LA  
7:30 a.m.  
**KVCL 92.1 FM**  
Winnfield, LA  
6 a.m.  
**WASA 1330 AM**  
Havre de Grace, MD  
8 a.m.  
**WTHU 1450 AM**  
Thurmont, MD  
8 a.m.  
**WMLM 1520 AM**  
Alma, MI  
7:30 a.m.  
**WATZ 99.3 FM**  
Alpena, MI  
6:30 a.m.  
**WJR 760 AM**  
Detroit, MI  
5:30 a.m.  
**WKKM 92.1 FM**  
Harrison, MI  
8 a.m.  
**WKJC 104.7 FM**  
Tawas City, MI  
6:30 a.m.  
**WMIC 660 AM**  
Sandusky, MI  
9:14 a.m.  
**WSDS 1480 AM**  
Ypsilanti, MI  
8 a.m. SUNDAYS  
**KDHL 920 AM**  
Faribault, MN  
7 a.m.  
**WVAL 800 AM**  
Sauk Rapids, MN

**KMAM 1530 AM**  
Butler, MO  
7:00 a.m. SUNDAYS  
**KMOE 92.1 FM**  
Butler, MO  
7:00 a.m. SUNDAYS  
**KDFN 1500 AM**  
Doniphan, MO  
7:30 a.m.  
**WTGY 94.3FM**  
Charleston, MS  
1:30 p.m.  
**WFFF 1390AM**  
Columbia, MS  
12:30 p.m.  
**WROA 1390 AM**  
Gulfport, MS  
10:00 am SUNDAYS  
**WBKH 950 AM**  
Hattiesburg, MS  
**WRBE 1440 AM**  
Lucedale, MS  
2:30 p.m.  
**WABO105.5 FM**  
Waynesboro, MS  
6 a.m.  
**KGLE 590 AM**  
Glendive, MT  
**KATQ 101.1 FM**  
Plentywood, MT  
7:30 a.m.  
**WKDX 1250 AM**  
Hamlet, NC  
7:30 a.m. M-F  
**WKTE 1090 AM**  
King, NC 6:30 a.m.  
SATURDAYS  
**WBRM 1250 AM**  
Marion, NC  
6 a.m.  
**WZRU 88.5 FM**  
Roanoke Rapids, NC  
6 a.m.  
**WLWL 770 AM**  
Rockingham NC  
7:30 a.m.  
**WTLK 1570 AM**  
Taylorsville NC  
  
**KXPO 1340 AM**  
Grafton, ND  
9:30 a.m.  
**KHND 1470 AM**  
Harvey, ND  
11:30 a.m.  
**KGAK 1330 AM**  
Gallup, NM  
6 a.m.

**WCKR 92.1 FM**  
Hornell, NY  
9 a.m.  
**WXRL1300 AM**  
Lancaster, NY  
5 a.m.  
**WSCP 101.7 FM**  
Pulaski, NY  
9:30 a.m.  
**WATH 97 AM**  
Athens, OH  
9 a.m.  
**WFOB 1430 AM**  
Fostoria, OH  
12:15 p.m.  
**WAOL 99.5 FM**  
Georgetown, OH  
9:45 a.m. SUNDAYS  
**WAXZ 97.7 FM**  
Georgetown, OH  
9:45 a.m. SUNDAYS  
**WOBO 88.7 FM**  
Owensville, OH  
9:30 a.m.  
**WNXT 1250 AM**  
Portsmouth, OH  
8:30 am& 3:30 pm  
**WXIC 660 AM**  
Waverly, OH  
**WCTM 1130 AM**  
W. Alexandria, OH  
8:00 a.m.  
**WBZI 1500 AM**  
Xenia, OH  
**WCVZ 92.7 FM**  
Zanesville, OH  
3:30 a.m.  
**WEYZ 1530 AM**  
North East, PA  
9:30 a.m. SATS.  
**WXLV 90.3 FM**  
Souderton, PA  
7:30 a.m.  
**WANB 1300 AM**  
Waynesburg, PA  
9:30 a.m.  
**WIAM 1230 AM**  
Anderson, SC  
6 a.m.  
**WRIX 103.1 FM**  
Anderson, SC  
6:30 a.m.  
**KBFS 1450 AM**  
Belle Fourche, SD  
8:30 a.m.  
**KBHB 810 AM**  
Sturgis, SD  
7:30 a.m.

**KWAT 950 AM**  
Watertown, SD  
6:30 a.m.  
**WHUB 1400 AM**  
Cookeville, TN  
6:06 a.m.  
**WEKR 1240 AM**  
Fayetteville, TN  
4:00 p.m.  
**WMRO 1560 AM**  
Gallatin, TN  
12:15 p.m. SUNS.  
**WSMG 1450 AM**  
Greenville, TN  
7 pm.  
**WHJM 1180 AM**  
Knoxville, TN  
9:30 a.m.  
**WNAH 1360 AM**  
Nashville, TN  
6:00 a.m. SUNDAYS  
**WSGI 1100 AM**  
Springfield, TN  
2:30 p.m.  
**WCTU 94.1 FM &  
WNTT 1250 AM**  
Tazewell, TN  
12:30 p.m.  
**KNES 92.1 FM**  
Fairfield, TX  
5:30 a.m.  
**KGAF 1580 AM**  
Gainesville, TX  
7:30 a.m.  
**KZZN 1490 AM**  
Littlefield, TX  
12:30 p.m.  
**KETX 92.3 FM**  
Livingston, TX  
10:30 a.m.  
**KOGT 1600 AM**  
Orange, TX  
7 a.m.  
**KBOP 98.3 FM**  
Pleasanton, TX  
6 a.m.  
**WKDE 1000 AM**  
Alta Vista, VA  
10 a.m.  
**WLSO 1220 AM &  
WAXM 93.5 FM**  
Big Stone Gap, VA  
7:30 a.m.  
**WKEK 1430 AM**  
Blacksburg, VA  
10:30 a.m.  
**WHHV 1400 AM**  
Hillsville, VA  
10:30 a.m.

**WLRV 1380 AM**  
Lebanon, VA  
8:30 a.m.  
**WXMY 1600 AM**  
Saltville, VA  
8:30 a.m.  
**WIGM 1490 AM**  
Medford, WI  
9:30 a.m.  
**WRCO 100.9 FM**  
Richland Center, WI  
5:30 a.m.  
**WCST 93.5 FM**  
Berkley Springs, WV

**WZAC 92.5 FM**  
Danville, WV  
8:30 a.m.  
**WFGH 90.7 FM**  
Fort Gay, WV  
5 p.m.  
**WHJC 1360 AM**  
Matewan, WV  
12:00 p.m.  
**WMOV 1360 AM**  
Ravenswood, WV  
7:30 a.m.

**WYKM 1250 AM**  
Rupert, WV  
9:30 a.m.  
**WKCJ 103.1 FM**  
White Sulphur Springs, WV  
9:00 a.m.  
**KASL 1240 AM**  
New Castle, WY  
8:06 a.m.  
**CIGV 100.7 FM**  
Penticton, B.C. Canada  
5:30 a.m.

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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