

# dx news

*the magazine of the National Radio Club*



VOLUME 42

3 FEBRUARY 1975

NUMBER 15

"I've seen many DX publications,  
but DX NEWS is certainly the  
Rolls Royce among them." (A.  
Coffey, VA)

## ON THE INSIDE.....

- The 1975 NRC Reprint List - HQ
- A Portable Whip Antenna Coupler - Jim Hagan
- An FET Balanced Loop Amplifier - Jim Hagan
- Verie Signers - Ernie Cooper
- First Verie from CKVO-710 - Frank Dailey
- More on the Multiple-QTHes Question - The Membership

## NEW MEMBERS

- Bill Migley, 210 So. Maple St., Lancaster, OH 43130 (re-joins)  
Mike Levintow, 5509 Halpine Pl., #102, Rockville, MD 20851 (re-joins)  
\* Brooks David Smoth, 2275 N. Lake Dr., Milwaukee, WI 53202

## RENEWALS

C. Babarovich, C. Lippoldt, J. Osborne, N. & B. Hardy, D. Phillips, J. O'Brien,  
T. Stoker, R. Daniels.

## FLASH TIPS & SUCHLIKE

1/27: WJRI-1340 hrd by Musco, Mount, PT; not by Shaftan. KAMA-1060 r/c hrd by  
Musco. Good WC opening hrd by PT. CFCY-630 hrd by Foxworth. 1/20: KBEW-1560, KPOG-  
1420 hrd by Hansch, who didn't hear WINE-940, KSWM-940, KMIN-980. WFAW-1470 hrd by  
Mount.

## NOTES &c FROM NJPC

LAST CALL FOR RECEIVER REVIEWS FOR COMMUNICATIONS RECEIVERS  
AVAILABLE ON THE SURPLUS MARKET FOR INCLUSION IN THE RECEIVER  
MANUAL ! Especially needed are articles on Hallicrafters  
Models other than the SX-122, and of National Receivers. If  
you wish to submit one, it need not be overly technical, but  
should cover all of the relevant points of operation. Submit  
to HQ no later than February 15 !!

Next issue will be a small one, as we've run two large ones in  
a row again. Holding pattern includes another PB updater; another  
loop article, this one by John Tull; a Zip Code quick-index  
from Wayne Murphy, and a few other goodies.

NO DX NEWS for Monday Feb. 17, as this is our Presidents' birth-  
day skip. Next deadline for editors will be Feb. 13, so get  
your copy to editors by then for the Feb. 24 issue.

Congrats to Len Kruse who has been appointed Director of Support  
for the U.S.P.S. in Dubuque for its 82 regional offices in  
N.E. Iowa.

Credits for this issue: typing for Hagan articles : Glenn Cooper.  
Editing & re-drawing of diagrams for same: RJE; Additional  
typing for reprint list: Glenn Cooper; re-cut-and-paste: RJE.

C. P. C. TEST SCHEDULE

MONDAY FEB.	09	* 0115-	* WEOK-1390	* Poughkeepsie, NY	1000/250 U	NNRC
		* 0230-0300	* WMBS- 590	* Uniontown, PA	1000 U	NNRC
		* 0300-0330	* WLBK-1360	* DeKalb, IL	1000 D	NRC
		* 0330-0400	* KLAB- 960	* Klamath Falls, OR	5000 D	NRC
MONDAY	10	* 0100-0200	* WGIL-1400	* Galesburg, IL	1000/250 U	NNRC
		* 0115-0230	* WEEL-1310	* Fairfax, VA	5000/500 U	NRC
		* 0200-0300	* WPUT-1510	* Brewster, NY	1000 D	NNRC/NRC
		* 0300-0330	* WNNO- 990	* Wisconsin Dells, WI	500 D	NRC
		* 0300-0400	* KAVR- 960	* Apple Valley, CA	5000 D	NRC
		* 0300-0400	* KKSI-1130	* Mt. Pleasant, IA	250 D	NRC
FRIDAY	11	* 0010-0045	* WSWG- 610	* Torrington, CT	1000/500 U	NRC
MONDAY	17	* 0000-0300	* WEJL- 630	* Scranton, PA	500 D	IRCA
		* 0000-0600	* WMBG- 740	* Williamsburg, VA	500 D	IRCA/NRC
		* 0300-0330	* WCRV-1580	* Washington, NJ	1000 D	IRCA
		* 0400-0430	* WBFN-1500	* Quitman, MS	1000 D	NRC
		* 0400-0500	* KORL- 780	* Reno, NV	50000 U	NNRC
MONDAY	24	* 0200-	* WAUB-1590	* Auburn, NY	500 D	NNRC
		* 0300-0330	* KTHE-1240	* Thermopolis, WY	1000/250 U	NRC
WEDNESDAY	26	* 0030-0100	* WEXT-1550	* W. Hartford, CT	1000 D	NNRC
MONDAY MAR.	03	* 0300-0330	* KZUL-1380	* Parker, AZ		D NRC
MONDAY	10	* 0200-	* WIGM-1490	* Medford, WI	1000/250 U	NNRC
		* 0300-0400	* KHLB-1340	* Burnet, TX	1000/250 U	NRC
MONDAY	17	* 0000-0100	* WBJW-1440	* Winter Park, FL	5000/1000 U	NNRC
		* 0000-0600	* WMBG- 740	* Williamsburg, VA	500 D	IRCA/NRC
		* 0130-0200	* WIBU-1240	* Poynette, WI	1000/250 U	NNRC
		* 0200-0230	* WSAU- 550	* Wausau, WI	5000 U	NNRC
		* 0200-0300	* WISN-1130	* Milwaukee, WI	50000 U	NNRC
		* 0200-	* WIMS-1420	* Michigan City, IN	5000/500 U	NNRC
MONDAY	24	* 0230-	* WOTT-1410	* Watertown, NY	5000/1000 U	NNRC
MONDAY MAY	05	* 0000-	* WLXE-1190	* Monroe, NC	500 D	NRC

DETAILS:

- WEOK - Music & voice IDs. V/s: John Kostenko, CE; P.O. Box 4116, 12601. Arr. Kenneth Van Tassell, NNRC.
- WMBS - No program details. V/s: Wm. J. Henzly, CE; 82 W. Fayette St., 15401. Arr. Gene Vonderembse, NNRC.
- WLBK - No program details. V/s: Jerry Cerny, 711 No. 1st St., 60115. Arr. Skip Dabelstein, NRC.
- KLAB - No program details. V/s: Matthew Penkauskas, CE; Box 960, 97601. Arr. Skip Dabelstein, NRC.
- WGIL - Frequent voice IDs, c&w mx. No calls. V/s: Jim Thompson, CE; 154 E. Simons St., 61101. Arr. Lou Buehler, NNRC.
- WEEL - Pop mx, code & voice IDs, TT. 0115-30 w/ 5kw day pattern, 0130-45 w/ 500 watt nite pattern, 0145-0200 w/ 1kw NDA; 0200-30 w/ 5kw day pattern. V/s: Gene Healy, E; 3909 Oak St., 22030. Arr. Bill Andres, NRC.

Continued on Page 47

\* Phone 703-354-2135 Before 2200 EST \* All Times Are GMT \* Deadlines Are Friday \*

- 527A - COSTA RICA TICAL, Cartago, "Radio Rumbo" noted about this freq, 1/20. Usual s/off 0500. No QRM. (Schatz)
- 540 - COLOMBIA HJKA, Bogota, heard IDing as "Radio Popular en Bogota", slogan change 0939 12/22. (Shaftan)
- DOMINICAN REPUBLIC HIGM, Santo Domingo, Radio ABC. Hrd IDing as "HIGM" thru usual mess here 0630, 12/23. Ran mx previous to that. (Shaftan)
- 555 - ST KITTS ZIZ, Basseterre. Following up on my phone report to AM in IDXD, hrd w/AST TCs 0345 "Its now fifteen before midnight". Spot check 0415 revealed only BFO carrier, possibly YNS. 12/22. (Shaftan)
- NICARAGUA YNS, Chinandega, Radio Tic-Tac (Tentative). Somebody here w/SS program, 1A mx and pop mx after ZIZ s/off. Have to suspect YNS for a variety of reasons. 0313 12/14. (Shaftan)
- 584 - SPAIN RNE, Madrid 0405 12/16 had a carrier and SS talk thru mess, almost definitely unn. Spainiard. (Shaftan) // (Schatz)
- 625 - COSTA RICA TIXE San Jose, "Radio Omega", noted w/improved sig lately, about on par w/Titania-825 but weaker than Sonora-075. If now 50 kw, very inefficient.
- 645 - PARAGUAY ZP19 Coronel Oviedo, Radio Gaaguazu, good taped ID on fade-out 12/16 w/"Z P 19 ... Radiodifusora Caaguazu" 0542 after harp intro. (Schatz)
- 664 - NICARAGUA Just a guess, but stn noted in this area lately could be "Mi Preferida". Noted hetting Lisboa-665 12/20 MM. (Schatz)
- 710 - UNID SS hrd u/WOR AN MM 1/13, also noted at SSS here in auroral condx, seemingly a permanent condx here. (Cooper) YVKY, Radio Capital seems likely. (ED)
- 740 - MONTSERRAT "Radio Antilles", 25 kw, noted by Clark in Santo Domingo. All EE, while 930 is mostly SS. (Schatz) First confirmation that this is actually on to my knowledge. Has been listed for several years. (ED)
- VENEZUELA Location unknown, "Radio Eco" noted fair w/elaborate cuckoo TCs (a la Margarita-1020) 12/10 0612, 0615, 0616. If not Maracaibo, then something in Eastern Venezuela. What does new FBIS say, IA? (Schatz) Nothing but YVNC listed in FBIS. Back in Nov. 72 I hrd a strong AL on this freq IDing as R. Eco. At the time, I thought it was the HJ listed as "Ecos de Pasto" w/a new name. Could be the same one. (ED)
- 745 - UNID Jan. 15, 0255-0320 seemed // 7125 khz which had YL talking (and not modulating very well). Language not EE but sounded more oriental or AA. Mx at 0320 (on 7125 khz) was non-descript, folk, Western Hemisphere type but 746 had faded so I was only 90% sure it was Nairobi, Kenya. (Bailey)
- 760 - CUBA CMCI Havana, 12/30 noted here for first time w/usual Reloj Nacional format and minute chimes o/u WJR 0858. (Shaftan)
- 778 - CUBA Camaguey, here from 783 as of 12/20. (Schatz)
- 780 - BRITISH VIRGIN ISLANDS ZBVI Roadtown heard 12/28 at 21.5, w/the sun still visible in the west, S9, too. (Cooper)
- 790 - COLOMBIA HJEW Bucaramanga, "Radio Atalaya" apparently the cause of the het here 12/16 MM w/WFUN off. AN, cumbias, ID 0634. Taped. (Schatz)
- UNID CA With cuckoo FCs in CST 12/16 MM. One went "La hora patente (?) - 5 para las 12" at 0555. Either XE or TC likely. Het from Atalaya above. (Schatz)
- 800 - UNID Sounding like a typical automated Costa Rican "Musica" stn, and likely Radio Centro in San Jose, but could also be Ecuador. Noted fair 12/9 0640 and about. (Schatz)
- 810 - COLOMBIA HJCY Bogota, Radio Sutatenza. Beautiful ID 66r tape file "Aqui Radio Sutatenza en Bogota" or similiar, don't have the tape in front of me. This at 0959 12/16. (Shaftan)
- 818 - ANDORRA Sud Radio. Best TA of night w/stronger sig than WEAP (!) and FF talk. No sign of Moroccan. 0652 12/15. (Shaftan)
- ZAMBIA Lusaka, 1/15 at 0325-0342. Male ancr in strange language w/selections of African chanting (mostly sedate but sometimes wild caterwauling). Then, as habitually tried on days gone by, I tuned several SW freqs and when 3346 khz was tuned - surprise! - it matched perfectly. Taped. 60 db at times. WRTH doesn't show 3346 on at this time, but there it was - cutting thru utility and CW crud. 818 khz was still in at 0342 when I went hunting for more game; nothing bagged. (Bailey) Very nice! (ED)

825 -COSTA RICA TIOS San Jose, Titania. Tnx to Bert Podall tip, noted this one here w/IA mx and rock, audio sounding very bassy some SS talk ~~was~~ basis for ID as well as programming. A weak het accompanied it. 0330 12/14. (Shaftan)

827 -COSTA RICA TIOS heard up around here 12/23 0532 w/similar format as noted previously. Definitely not on 825. SS talks booming in o/WCCO QRM. (Shaftan)

840 -PANAMA R. Libertado, Panama, 0930-0959 1/20 u/o WHAS's Nightcap show, w/SS mx including some native Panamanian mx, was loud and clear 0958 for beautiful ID I taped w/many mentions of Panama, R. Libertado, frequency, telephones and address. Gave call twice as R. Libertado rather than R. Libertad. (Hardy)

845 -ITALY (Tentative) RAI Roma, probably, but not definitely the one here showing up as a weak BFO carrier 0637 12/15. Total fadeout here 0640 which would be almost perfect for Rome. Strange thing then happened. Returned w/singing here at 0645, after carrier had been resurrected from the dead, then fadeout permanently 0650. Help?? (Shaftan)

860 -BRAZIL ZYD68, Rio, Radio Mundial, loud and clear w/some QRM slop from Guanatanamo 12/16 all MM. "Mundial 3 e 17" 0617. (Schatz)

-DOMINICAN REPUBLIC HILR, Santo Domingo, Radio Clarin. This pest noted w/s/on 0830 MM 1/6, ruined chances of KFST. (Shaftan)

880 -CUBA CMAF Pinar del Rio, 12/23 0835. Noted here w/powerful sigs dominating freq in WCBS quarterly silence, no sign of KRVN. (Shaftan)

885 -MONTERRAT ZJB Plymouth, heard 12/16 w/Xmas carols at 1003, calypso mx at 1028, ID as "music in the morning on ZJB Radio", TC for 6:30 at 1030, then news. (Seaver)

895 -HAITI Gonaves, "Artibonite". After searching WRTH listed 805 khz for this one, found it here instead. Noted fair every eve since Xmas. Typical Haitian stn w/crazy DJ and local meringue mx. (Schatz) ~~W/mentioned on phone that both he and Page have heard this in NJ. (ED)~~

920 -VENEZUELA YVLJ Maracay, "Radio Maracay" here from 930 khz, tho still announced as such. S/off 12/10 0700 w/NA following full ID. Fair-good on LSCA. (Schatz)

940 -COLOMBIA HJGB Cali, "Radio Eco" noted w/good sigs AN 1/9 o/u WINZ and report sent. (Cooper)

945 -ECUADOR HCDEZ Guayaquil, "Radio Ifesa" heard 12/9 1032-1040, US rock songs in SS (Nite Chicago Died, e/g.), ID at 1036. (Seaver)

980 -BRAZIL Brasilia, "Radio Nacional", 300 kw noted very strong 12/9 and 12/10 AM's and every nite thereafter. Apparent s/on 0700 12/9. Simple "Nacional-Brasil" ID 0723. Also 12/10, still strong, from t/in 0550. Complete ID 0555, mentioning 980 in Brasilia, also other MW and SW outlets, and one FM. Also mentioned "um programa experimental". Another "Nacional-Brasil" ID 0702 12/10. In 12/16 and 12/23 0500-0700 loud and clear and dominant on LSCA. Taped 12/16 w/carrier back on following apparent tx trouble 0626, raising meter 10 db over other stns on the channel, "3 e 30" 0630, "Nacional-Brasil" 0659. Powerful sig, native mx and also noted one recent AM asking for reports and giving at least two "Caixa Postal" ("KYE-sha") numbers, tho not copied - no pencil handy. (Schatz)

985 -PERU OBL4J Lima, "Radioprogramas del Peru" ID in passing 12/23 0557, then KE rock. AN that MM. Fair sig, some QRM from Brazil above. (Schatz)

1000 -COLOMBIA HJAJ Cartagena, "La Voz de Cartagena", ex-R. Miramar, confirmed 0100 12/27 on car radio. Still RCN. (Schatz)

1004 -NICARAGUA YNTS Managua, "Radio M6l en Managua" ID possibly caught 1/4 0540. Briefly stronger than Colosal-1005. (Schatz)

1020 -VENEZUELA YVRS La Asuncion, "Radio Margarita", seems AN MMs now and has tremendous sig here. (Cooper)

1030 -ARGENTINA LS10 Buenos Aires, "Radio del Plata", a surprise, blasting o/Pacifico 12/9 0548 w/mx for Buenos Aires and Mar del Plata. ID 0550, also mentions FM (95.3 if I recall right). Locutor's Italian-like Pampa accent quite notable. Back again and dominant 12/23 0539 w/usual "prognostico del tiempo", predicting a balmy high of 35 C. TC "2:38 minutos" at 0540, so GMT -3. (Schatz)

1040 -COLOMBIA HJAI Barranquilla, Radio Tropical, AN and reported 0903-0935 1/11, w/no sign of WHO on a Sat. auroral AM. This stn noted on 1042A on Sat. 1/18 w/R. ~~W/~~ making it o/WHO. Tropical back on 1040 Sun. 1/19, though! (Cooper)

1045 -NEETHERLANDS ANTILLES Curacao, "Radio Hoyer" MAY be here from 1010 to avoid St. Petersburg, but this is only a guess deducted from 12/9 IDXD. (Schatz)

1050 -COLOMBIA HJDR Medellin, "Voz del Triunfo" noted AN 12/9 w/ID 0722. (Schatz)

-COLOMBIA HJFZ Espinal, "Voz del Centro" noted 12/10 w/ID 0625 and RCN. Fighting ~~as~~ w/"Triunfo" above. Formerly 1055 khz. (Schatz)

1050 -URUGUAY? Could have been "Centro" above, but played almost solid Pampa mx and faded like a DSA. Little talk. Hoping for Electrica, Montevideo. Noted 12/9 0500-0740 tuneout. (Schatz)

1060 -DOMINICA ZGBC, 1 kw, noted by Clark as a religious daytimer. (Schatz)

1090 -COLOMBIA HJBC Cucuta, La Voz de Cucuta (tentative). Someone here in usual WJAL silence w/lively SS mx, yelling, the works. ID resembled "Radio de la Manana". Tentative ID per format. 0842 12/23. (Shaftan) Your other 1090 unid is XEPRS, well heard in the East. (ED)

-PANAMA HOL82 Colon, "Radio Libertad" heard w/full ID at 0902 MM 1/13 o/u Cucuta. They seemingly had just s/on at 0900 or so. On MM 1/20, the Rosary heard in SS o/u Cucuta 0845-0902, seemingly this stn, but not sure. I believe it's part of a net having outlets on 77, 840, etc. Mentioned Panama 5, Panama. (Cooper) This used to be AN but not sure of current status. (ED)

1114 -COLOMBIA Unk, Caracol ANer. Strong, but no local ID noted. Around since early January. (Schatz)

1125 -UNID Very weak, but SS talk 0613 12/23. Smells Ecuadorian. (Schatz)

1170 -COLOMBIA HJFT Ibague, "Ecos del Combelma" here from 710 khz, per ID 12/10 0633, also mentioning "Super" net. (Schatz)

-COLUMBIA Valleduper, 10 kw, apparent data on 12/9 0630 hearing. No more info. (Schatz)

1180 -BRAZIL ZYD65 Rio, Radio Globo heard weak w/WHAM off w/pianomx, Xmas mx, and PP talks thru noise 12/22 0653. (Shaftan)

1180 -VENEZUELA YVNJ Ciudad Ojeda, Radio Petrolera, on 1/20 ad for Maracaibo address 0959, fanfare then 'este es R. Petrolera, Y V N J, mil ciento ochenta kilohertz, Y V W S ...' Tape not clear after that. WRH74 lists YVNU for 1180, no listing for YVWS. (Seaver)

-VENEZUELA Unid weak one noted s/on here SMs in the clear, and MMs u/WHAM, at 0857 w/the Venezuelan NA, but not loud enough to pull an ID yet, even in aurora. (Cooper)

1190 -COLOMBIA HJGV Bogota, Radio Cordillera almost certainly the one reported here often by ERC and others ANing MMs here, IA mx w/typical IA format. Weak so not mucho chance for ID. 0912 12/23. (Shaftan)

1196 -MOROCCO RTM Agadir definitely the one here w/het against WOAI/YVOZ. Stronger than the duo above. ~~W/~~ AA mx 0557, broke program at 0600 for what I presume was an ID. Very strong w/AA mx 0601 and continued to get stronger. Another AA song 0603, followed by AA talk 0605 and AA mx thru to 0610 when it began to fade out. (Shaftan)

1210+ -HAITI 4VDS Port-au-Prince, Radio Progres, now AN and causing a horrible het. IDed 0715 1/21, FF pop mx, some commercials and news at :15 and :45 - odd times. (Schatz)

1230 -COLOMBIA HJLK Cali, "Radio Calidad", RCN IDed 12/9 0633. Very strong and in all MM alone on a ISCA-created "clear channel". (Schatz)

1235 -ECUADOR Unk., fair to weak w/native mx 1/20 0500-0700. Never clear enough for ID, and WGMQ's TT didn't help either. (Schatz)

1250 -CUBA Calbarien, "W", // 840 and almost as strong days in Miami. CMHS, estimated 5 kw. CMHP deleted. (Schatz)

1267 -CUBA Holguin, "Reloj Nacional" noted way up here MM 1/20, only 57 khz off channel! (Schatz) \* The wandering Cuban Minute Man has drifted up this high now from first noted 1232A about a month ago - look out 1600 khz; here they come! (Cooper)

1270 -CUBA CMJG noted here w/monstrous sigs o/all ruining chances for KINN DX. Even second ticks could be heard, het here obviously indicating that this one is off freq again. 0843 1/6. (Shaftan) Sure its not the one listed above?

1270 -MEXICO Merida, XEYUC likely the "Radio Caravana" noted on 2540 harmonic 11/2 0340, per "Eucateca" mention and possible sighting in elder edition of MFM log. (Schatz)

1280 -COLOMBIA HJKN Bogota, Radio Metropolitana noted AN MM 1/13 o/u two FFCs, and reported, 0820-0854. (Cooper)

-HAITI Port-au-Prince, "Radio Metropole", now apparently AN, as noted dominant to 0704 t/out 12/2. FF news 0700-03, ID in FF 0703; "Radio Metropole ... AM ... FM", then into SS w/ID. FM 100 mhz. (Schatz)

1309 -CUBA Cruces, "Reloj Nacional" here from 1306 1/2, noted MM 1/20. (Schatz)

1320 -MEXICO XEBCQ Mexico, DF "Radio Sensacion" replaces XEAI, now on 1440, SS rock. (Gleason)

1321 -CUBA Pinar del Rio, "Reloj Nacional" drifting up some, noted MM 1/20. (Schatz)

- 1325 -NETHERLANDS ANTILLES PJA10 Aruba, "Voz di Aruba" now audible w/Columbia gone. Noted 12/9 0100 and about w/Xmas messages from businesses - in Papiamentu. (Schatz)
- 1348 -MEXICO San Luis Rio Colorado, XELBL heard 1/1 0045-0100 w/off, many call IDing as "Radio Centro" and "La Voz del Tropical". Seems to change names quite often. (Seaver)
- 1350 -VENEZUELA Puerto Cumarebo, "Radio Falcon" now dominant eves in Miami. Likely increased power to 10 kw. (Schatz)
- 1365 -HONDURAS Danli, "Radio Danli" should be Hauser's mystery noted in recent IDXD.
- 1375 -NICARAGUA Country IDed 0511 12/23 w/well used "nicaraguense" following sports. "La hora en Radio ....ia" Name has 3 SS syllables. Fair signal. Any clue in new FBIS? (Schatz) Nothing in FBIS. (ED)
- 1430 -COLOMBIA (Harmonic) Riosucio (Caldas), "Armonias del Ingruma" IDed 0216 12/23 on strong harmonic 2860 during talk on local xmas activities. (Schatz)
- 1435 -UNID Probably Radio Kelkboom from Aruba, on 1/20 heard calypso mx at 1049 in passing, non-stop to 1101 when OM talked but signal faded. Poor strength but not bad for 1 kw. What is phonetic PJA5 in Papiamento? (Seaver) \* Just a carrier here, no audio but fairly strong on HFO 0403 12/16. No real possibilities except Kelkboom which I hear leaves OC on all night. (Shaftan)
- 1440 -MEXICO XEAI Mexico, DF, ex-1320 now "Radio A I" w/tropical. Delete XELZ.
- 1475 -HAITI Port-au-Prince, "La Voix du Peuple". According to Rich- / (Gleason) ard Clark, just back from Santo Domingo and Haiti, this one is presently off the air. Confirmed here, as I recall not hearing it for several months.
- 1484 -UNID Someone here putting a het on local WHOM when the latter was / (Schatz) semi-null. 0525 t/in. Ran some pop mx, not rock. Followed by a few minutes of talk. 0528 ran --- on celeste of pitchpipe, then what sounded like AA or IA mx but very weak and indistinguishable so don't know. Seemed to fade out 0545 12/15. Help! (Shaftan)
- 1500 -MEXICO XERH, Mexico, DF is now "Radio Seis" (6) per data taken off XERR-15110 sw // PM of 1/4. (Schatz)
- 1511 -UNID Probably "Radio Pueblo" in Santo Domingo, heard 1/20 0944-0950 varying from a het on KOA to OM in SS readable. No IDs heard. (Seaver)
- 1528 -SENEGAL (Harmonic) When Ray Moore noted this sig last year he began a series of interesting conjectures. Reception here in Holden were taped, then transcribed and sent by Gordon Nelson to Sweden for ID. An ID was not made. After DFing by GPN established a W. Africa origin I taped what seemed an interval signal. Then a frantic attempt was made to match the IS with that of Niger, Mali, Togo, Nigeria and other W. African rarities. Night after night SW outlets of all these countries signed off while 1528 still remained audible. Then, for some reason, I divided the freq by 2. The result was astounding. Subsequent freq measurements, etc. proved the origin of this widely heard harmonic - Senegal. (Bailey)
- 1560 -PUERTO RICO (Tentative) WRSJ? Somebody has been noted here often w/IA u/ Castro here, about 1 S-unit u/Cuban, looping in same direction. Many reports to IDXD/DXWW of late have indicated that this one has gone AN. Heard w/SS match 0631 12/8. (Shaftan)
- 1580 -COLOMBIA HJQZ Barranquilla, Radio Principe, continues strong AN NSP - anybody got an address for this guy? (Cooper) According to WRTM it is same as Atlantico 1070. My report to that address has not been answered. (ED)
- 1590 -CUBA Radio Hit Musical, IDed on MM 1/13 w/Noticias, 0945-0958, then ID w/call letters QMDF and slogan both. Any chance at a verie from this land these days? (Cooper)

The reporters for this issue . . .

Bill Bailey - Holden, Massachusetts 2 R390A/s, 2 1200! beverages  
 Ernie COOPER - Provincetown, Massachusetts HQ-180A, SM-2  
 Dave GLEASON - Scottsdale, Arizona R390A/URR, SPR-4, Sanserino loop  
 Bill HARDY - Aberdeen, Washington HE30, SM-1  
 Ron SCHATZ - Miami, Florida R388/URR, LSCA  
 Randy SEAVER - San Diego, California HQ-180, Sanserino loop  
 Richard SHAFATAN - New York, New York HQ-140X, SM-2, Philips IC

Thats it for another week. A couple of veries and a little feature type material on ~~hand~~ - we'll run it next week. We can use your support, so if you're DXing, REPORT!

# DOMESTIC X DIGEST



editor.. Wes Boyd  
 960 W. Liberty  
 Girard, Ohio 44420  
 WES BOYD 216-545-4543  
 RY STARR 216-534-1394

Hi there. Wesley came over and sampled my wife's cooking this evening so his portion of this DDXD is being piped in from the bathroom where he has taken up residence for a few hours.

## MOB RULE DEPT:

1540 WABQ OH 1/22 was forced off the air this afternoon when a mob calling itself the Black Coalition descended on the station and forced everyone to leave the building, claiming that WABQ is not relating to the black community as it should. Just what we need, bands of self-appointed vigilantes dictating station programming policies. And they said it couldn't happen here (JS)

ON THE LIGHTER SIDE: Welcome to new Youngstown NRCers Frank Blystone and John Silliman, feel free to drop in anytime at all (dm)

## sunset & evening

- 710 WROM GA 1/19 s/off 1800, no SSB (JS)  
 WKRG AL 1/19 w/CBS Nx 1800, signal suddenly gone 1805, early pattern/power change perhaps (JS)  
 WEPA MS 1/19 on RS now, had s/off 1813, then vocal SSB (JS)  
 KEEL LA 1/19 on top w/RR 1815-1830 pattern change, calls itself "Keel-71" (JS)
- 730 WLOR GA 1/19 very loud and steady sigs 1725 w/C&W, Ae Nx 1730 (JS)  
 WJMI WI 1/12 on top w/WI nx 1735, into religion (JF)
- 780 WCKB NC 1/10 in WBBM null w/MoR then s/off w/mention of WQTI-FM at 1730 (JF)
- 860 KOAM KS 1/10 w/Kansas wx and road rpt 1820 u/CJBC (WDF) 1/10 on top in CJBC null 1715-1800 (JF)  
 WLBG SC 1/10 weak in CJBC null s/off 1745 w/mention of WLBG-FM 105.5, Clifton-Laurens Broadcasting Company (JF)
- 900 CKTS FQ 1/22 completly on top 1800-1820+, no sign of CHML (JS)  
 KJSK NE 1/20 o/u mess 1827 ending nx, then s/off, no SSB (HWB)  
 KFAL MO 1/21 nx 1803-1817 w/ads and s/off, slow piano SSB (HWB)
- 910 WOKK MS 1/12 fair 1855 w/C&W (PLB) 1/16 atop all 1831-1840 w/ads, C&W, more ads (HWB) Who is this HWB anyway??? (JS)
- 920 CKNX ON 1/16 on top 1700-1715 wx/nx/sports in that order (ADD)
- 940 WECO TN 1/19 s/off 1742 followed by "Supertime" C&W record to 1945(JS)
- 950 WPEN PA 1/14 noted on ET w/mx 1805-1825, dunno know why ET this time of day (DS) Better than the middle of the morn (JS)  
 WPET NC 1/15 in the din w/ID and MxNx 0700, also heard s/off 1729 (DS)  
 WCTN MD 1/15 s/off noted 1713, no SSB, plugs "today's sacred sounds" Has 0600 MM s/on per TRS (DS & RjE)  
 WIBX NY 1/17 noted 1808 w/local nx after CBS Nx, gone to WKAZ 1810(DS)  
 1/12 w/polka show from area niteclub 1835 (TRS)  
 KXJK AR 1/11 w/ID 1801 ahead of regional nx (TRS)  
 WRYT MA 1/11 ID atop freq 1600, into nx (TRS)  
 WXGI VA 1/15 atop freq 1645-1700, included stock report (RjE) So? (JS)  
 WLIT OH 1/15 weak w/ s/off 1714, no SSB (RjE) (Looks like people aren't missing WPEN at all! (JS)
- 960 WRFC GA 1/10 w/severe wx warnings for GA u/WFIR 2145 (WDF)
- 970 WAVE KY 1/10 w/mx, storm warnings, IDs 2340 (WDF)
- 980 CHEX ON 1/10 heard 1842, first time from DE for me (STB)
- 990 WHOO FL 1/20 finally 1738-1744 pattern switch w/C&W and helicopter traffic reports (HWB)
- 1000 WXTN MS 1/18 good in WCFL null 1807 w/ads, Day By Day w/Jesus, s/off and SSB 1813 (HWB) There he is again (JS)
- 1020 KDJW TX 1/7 fair 1833-1835 w/local nx, no sign of CFRB, auroral (PLB)

1050 KMYO AR 1/19 faded up 1815 for half of s/off, FM promo, no SSB (HWB)  
 KFJM OK 1/9 fair o/XEG w/ s/off 1829 and KRAV-FM promo (PLB)  
 1110 WMBI IL 1/8 alone w/AM-FM ID 1630, then gospel (JF)  
 1190 WPUP MS 1/15 all o/WOWO 1750, no nx or ID 1800, good to 1816 s/off  
 w/SSB, TCs a minute slow (JS)  
 CHTN PEI 1/16 o/WOWO 2012 w/EZ mx, male anncr, AST TCs, jx, many PEI  
 and PQ mentions in nx 2055; wx, sports, more mx (GFj)  
 1220 CKCW NB 1/16 o/WGAR/CKSM 2000 w/nx, ads, wx, RR, promos "The Best  
 Music in Atlantic Canada" (GFj)  
 KVSA AR 1/9 xln't w/wx 1807, heard calls 18 times in one minute (PLB)  
 Wish more stations would try this trick (JS)  
 1280 WGBF IN 1/12 Back to Godd Hour 2255, ID 2300 as "NBC for Tri-State(WDF)  
 1360 KLRS MO 1/10 good w/promo 1814, then s/ff; no SSB (RK)  
 1370 WDEA ME 1/16 o/u WFEA 1845 w/CBS features, 1900 ID as WDEA or WDEA-FM,  
 more features and gone (GFj)  
 1390 WCAT MA 1/13 much wanted, end of s/off u/after WEOK SSB, no tape as  
 ID buried, had SSB (RjE) Big deal!! (JS)  
 \*1440 WBCM MA 1/12 o/mess 2359 w/ s/off (WDF) Used to be AN (JS)  
 \*1490 WCSS NY 1/14 s/off 2300, SSB (ADD)  
 1580 WEYY AL 1/14 w/C&W on top for 4 tunes 1750+, wx gave temp at 66  
 before ID (ADD) Who cares? (JS)  
 KWED TX 1/19 s/off 1901, plug for 105.3 FM, NAB and TAB mentions,  
 no SSB (JS)  
 1600 WKWF FL 1/15 noted w/gospel 1758. ad, ID, then nx, distorted audio  
 but signal fair (DS)  
 \*1630A Unid CT 1/16 as noted by Lucas last Muse, noted here after ADD  
 called about this, simulcasting WDRC-FM, loops toward  
 Waterbury, xln't signal 1735+ (RjE) Your string is loose (JS)

midnight to sunrise

540 KWMT IA 1/18 DX strong w/ID 0133 (Ross) 1/18 DX loud 0132-0145 w/  
 C&W, TT, IDs (HWB) 1/18 DX super of test w/IDs, march mx,  
 RR oldies (BW)  
 570 WVMJ MS 1/13 strong w/ET 0150-0159 w/C&W and IDs (JR)  
 580 WILL IL 1/13 DX noted 0235 w/CW IDs, RR (KDF) 1/13 DX w/Cuban  
 0220-0232 w/RR, voice & code IDs (RA) 1/13 DX atop at times  
 0203-0250 w/CW IDs and voice IDs (RM) 1/13 DX w/IDs noted  
 0200+ (JR) 1/13 DX poor, definite ID 0216, partial CW ID  
 0231 (TRS) 1/13 DX strong w/CKWW/WKAQ w/CW & voice IDs  
 0215 (JF) 1/13 DX loud as a local (JS) Mfmmmp arghhhpz (HWB)  
 600 WIRB AL 1/8 on top 0700 w/SSB, then s/on (RK)  
 680 WMTS TN 1/13 strong u/CFTR TT w/Memphis wx 0150 (JF)  
 690 WAPE FL 1/12 loud OC 0120, announced s/on 0122, then into RS-like  
 ET, had DJ, RR, etc (BW)  
 710 WQBX VA 1/15 ID 0833 as "7-Q" then RR; many local ads (BW)  
 WGBS FL 1/15 has to be this 0849 w/wx, high of 70, low 50 (BW) I was  
 high in the 70's and haven't been to Florida in years (JS)  
 740 WMBG VA 1/20 no sign of this all AM (RjE) Maybe being a daytimer has  
 something to do with this fairly common non-reception (JS)  
 790 KGHM MT 1/13 atop WAKY 0103-0106 w/MT Nx and wx, nice ID (JR)  
 \*850 WHDH MA 1/13 noted off 0225, so new sked in effect (RM) RjE.  
 WIVS IL 1/13 DX heard weakly by PLB, JR, JF. Not heard by RA, DX  
 heard OK by TRS, WDF, MK, HWB, JS, ELK, AB (Good test-JS)  
 WWJC MN 1/13 noted by many OC/ET during WIVS DX (All above)  
 KOA CO 1/13 w/nx, then s/off 0206 in WHDH SP (MK)  
 WRAP VA 1/13 seemed ET 0232 while looking for WIVS DX (JF) Did you  
 get an ID on this one? (JS)  
 860 WAMO PA 1/13 noted w/ET 0235-0240+ (RA/RM)  
 Unid ?? 1/13 ET/TT/OC 0140-0155 s/off, no ID, weak DF E/W (TRS)  
 Wes sez this was KDKA (JS)  
 WLBG SC 1/8 good w/ s/on 0729, no SSB o/WFMO (RK)  
 WFMO NC 1/8 fair w/ s/on 0729, no SSB u/WLBG (RK) Makes sense (JS)  
 \*870 WFL LA 1/19 w/ET/TT noted 0200-0230+, a SUNDAY morn, change? (JS)

\*910 KGLC OK 1/20 noted AN RS w/C&W MM, maybe NSP now (HWB) Swell! (JS)  
 920 WPTX MD 1/10 noted w/ s/off 0011 (BW)  
 940 KFRE CA 1/20 s/off 0300 w/SSB whilst looking for KSMW DX (JS)  
 KSMW MO 1/20 DX not heard times four (DS, RjE, HWB, JS)  
 WINE CT 1/20 DX heard by DS, JS, HWB, Silly, PLB, RjE. Not heard  
 by Ross. Had NRC rather than NNRC mentions (PLB)  
 950 WHVW NY 1/9 jx ID 0559 into nx just before WXGI s/on (TRS)  
 WXGI VA 1/9 s/on 0600, no SSB into C&W, later SSS logging noted  
 SU s/on given as 0700 (TRS)  
 WPET NC 1/9 s/on 0600, no SSB o/WHVW/WXGI (TRS)  
 WCTN MD 1/12 s/on 0600 after choral selection, no SSB (TRS) They  
 have a nice choral selection in Honolulu, earrings, etc (JS)  
 960 WGRO FL 1/14, we honestly can't read TRS handwriting on this, seems  
 they had some sort of ET or FC ending 0015, he sez they  
 had invdisc, everything stato, except nID, whatever  
 that means, hi (JS) BBBarrfff nnnnnngag (HWB)  
 \*970 WJMX SC 1/14 Log change, heard AM-FM ID 0115 u/WWSW TT, possibly  
 AN now (RjE) What would you know? (JS)  
 WHA WI 1/13 DX heard by TRS, JR, PLB, RA, MK, RM, JS. Not heard  
 by HWB who was looking for PEI. Tentative by WDF.  
 WDAY ND 1/13 w/AN show 0245-0330+ u/WWSW, wx 0335 (WDF)  
 WESO MA 1/14 DX not heard by anybody WDF, RjE, TRS, JS, HWB, dm  
 probably not on (JS)  
 980 KMIN NM 1/20 DX if on, not heard by JS, HWB, RjE, Ross  
 1000 KOMO WA 1/13 mixing w/KPOK/WLS spur w/0400 ID as "KOMO Radio  
 Seattle" then OC, most wanted for over 4 years (RK) That's  
 a long time to not listen to 1000 kHz (JS)  
 1010 WCSI IN 1/10 finally 0801 w/ s/on (RK) 1/13 DX heard by RK, JR, ADD,  
 RjE, KDF, RA, PLB, WDF, TRS, JF, AB, JS, Believe it or  
 not, heard not by HWB.  
 \* WGUN GA 1/8 fair 0745 u/WCFL slop w/ s/on, SSB, QTH should be Box  
 67, Decatur, GA 30031 (RK)  
 WSPT WI 1/7 poor 0830 w/ end of s/on (RK) My closest unheard (JS)  
 1060 KAAZ CO 1/20 ET/TT/OC, Dixieland mx S-9+ 0223-0330+, IDs 0230 and  
 0250 (JS) 1/20 ET 0240-0340+ mostly Dixieland w/ IDs  
 0315-0340+ o/KAAY TT (HWB) 1/20 ET/TT/OC/MX weak o/u R.  
 Cordillera and unid OC, ID 0250 (RjE) Ditto 0232 (PT)  
 1130 WWCN IN 1/10 on top 0716 w/promo, then nx (RK) One of my most-  
 wanted, how DARE you hear it (JS)  
 1150 WGOV TN 1/10 ET/TT/MX 0030-0100, requesting reports and fone calls,  
 but never answered the fone (BW) Bet he doesn't answer  
 the reports either (JS) Maybe they need the stamps. 569!!  
 1180 WMST KY 1/12 fair 0600 w/ s/on, no SSB (RK)  
 CHTN PEI 1/13 w/ nx. local sports, wx, flame DJ 0300-0305+ (MK)  
 1/20 w/snowmobile race results, then 30 min of uninterrupted  
 segues to 0139 ID/TC, more mx to 0159 ID, jx, nx (RjEJO)  
 1230 WCOL OH 1/13 w/RR 0100 u/WINF (MK)  
 WINF CT 1/13 w/CBS Nx 0100-0105 (MK)  
 1240 WJTN NY 1/6 heard amidst jumble 0027 (MK) My closest unheard (JS)  
 He's a pest (HWB) (JS) Does RjE really read this??  
 1250 WKYZ TN 1/13 fair w/ s/on 0609, no SSB (RK) Late to work again (JS)  
 1260 KWHK KS 1/13 poor 0128 u/WNDE w/wx, then s/off w/SSB (KDF)  
 1280 WNAM WI 1/13 good w/promo and several PSA's 0152 (RK) YES, he  
 WSAT NC 1/10 fair 0651 w/local spots (RK) does -  
 1300 WMVO OH 1/11 good 0619 w/promo (RK) My closest unheard (JS) RjE  
 1320 Unid ?? 1/20 PoP-type ET 0215-0330+, no ID, looped west, who was  
 this? (RjE) My closest unheard (JS)  
 WKTQ PA 1/20 NSP monstor noted w/OC/TT 0210 o/WVOJ/WILS (DS) Note  
 correct call, David (JS) Aha! - RjE  
 KXYZ TX 1/20 atop WKTQ ET w/RR/R&B 0130-0230+ (HWB)  
 \*1330 WTRX MI 1/20 noted 0345 w/nx into RS RR show, now NSP (HWB)  
 1330 Unid ?? 1/20 TT about 0250, lost to WPOW s/on 0300, DF 240 (RjE)  
 HWB sez this is KDKA (JS)  
 Unid ?? 1/13 TT here, mucho OC 0121-0137, WASA? (RM) Wasa matter you?  
 1340 Unid ?? 1/13 YL yaking at great and boring length about a church  
 and it's parish building fund 0115-0130. On 1/20 again  
 same time period, men yaking about children of Isreal (that's  
 me-JS) Loops west (RjE) Wes sez phrttt arghhhh, ahhhh (JS)

10

1350 CHOV ON 1/20 unusual reception, this atop w/ID, CBC Nx 0000-0005 (RJE) Why-so? (JS) I SAID SO! - RjE

1370 WBEF TN 1/12 ET/MX ID 0036, loud, requesting reports (BW) 1/16 ET/RR and 2 IDs 0235-0245 o/WSPD (HWB)

1420 KPOC AR 1/20 DX heard by JS, Ross, dm, PLB (Weak) Not heard by HWB and RjE

1440 CFGO ON 1/6 noted w/RR 0306 during WAAB DX sked (STB)  
 WHHH OH 1/6 w/SSB 0528, then S/on, do they answer prepared cards? (RK) They don't even answer their phone (JS) My closest unheard (HWB)

WBAB NY 1/13 ID during ET 0055 and off (RM) 1/13 ET/OC, ID 0055 (RA)  
 WHIS WV 1/13 noted w/ s/off 0007 u/WROK w/Wolfman (KDF) Plinlac(JS)  
 WAJR WV 1/13 DX heard by KDF, RK, JR, RA, HWB, JS, Silly, AB, RM, WDF, ADD, MK, TRS, RjE  
 Unid ?? 1/13 call sounding like "WPHC" after voice ID of WAJR 0136, can't find anything like this in Log, the more I listen to tape, the more it sounds like "WPHC", no call changes reported recently, maybe someone else heard this during WAJR DX, help (MK) How 'bout WCHB? WAKC? LS-10? (JS)

1450 WDLB WI 1/13 fair w/jingle ID for AM-FM 0300 (PLB)

1460 WDYX GA 1/10 good w/ s/on 0600, no SSB (RK)  
 KSO IA 1/6 heard 0102 w/singing s/off (MK) 1/11 w/C&W 0158, ID into nx 0200 (WDF)

WDAS PA 1/17 briefly w/RR 0710, ad, ski report, more ads; gone (GFj)  
 1470 WFAW PA 1/20 DX w/LK, non-DA heard by DS, HWB, JS, Silly, Not heard by Ross, Tentative by RjE who sez "If this was 1K NDA as specified, they're in trouble." They even had CW IDs (JS)

WHOM NY 1/13 ET/TT/OC 0120, ID 0130 o/WDAS (TRS)

\*1520 WCSV TN 1/13 fair 0801 w/what seemed to be beginning of s/on (RK) Has CP for 1490, seems they would have gone by now, slow! (JS)

+1500 WDEE MI 1/20 had ET/OC/TT and, of all things, DIAL TONE, ID 0158 (JS)

1550 WNTN MA 1/17 atop 0718 w/progrock, ad (GFj)  
 WBSC SC 1/19 ET/OC?TT 0010-0030, IDs 0023 in CBE null (DS)  
 Unid ?? 1/20 weak u/OC w/RR and oldies 0235-0335 when WAAY s/on ruined it, noisy static ruined IDs, one seemed "most mx ---0" and "on the great ---0", had spot for oldie concert not KKJO, WOKJ. KRGO w/RS-type ET or WMOO? (RjE) Must be the Mighty 1-5-5-0, XEBG, heard here occasionally with that type of stuff and R&B things (JS)

1560 KICS NE 1/20 ET/TT, ID 0230 (PLB) Let me know if he varies (JS)

1580 KBEW MN 1/20 DX heard by Ross, JS, HWB, Silly, dm, PLB, RjE, ETC  
 WRDI NJ 1/20 ET/TT/OC/MX 0130-0215 ID (RjE)  
 WGTW FL 1/13 fair w/SSB 0714, then s/on, this has been my Unid here for several weeks (RK)

KCHA IA 1/11 ET/TT/OC 0135, ID 0155 while looking for KWED DX, not heard, if on (TRS) I think they did it again (JS)

1500 WQQW CT 1/18 w/RR, several IDs, local wx, no ads 0027-0045+ o/WAKR(HWB)  
 KVGB KS 1/22 ET/TT/OC 0214+, mostly o/WAKR, ID 0305 and off (JS)  
 1/22 ET/TT/OC 0155, ID 0202, PoP thru 0305 ID and off (HWB)

WISZ MD 1/22 o/u WAKR, u/KVGB 0200 ID, to C&W, again 0211 w/ sponsored local wx, more C&W, back 0228 w/C&W, ID/Nx 0230(HWB)

KUUU WA 1/22 u/WAKR/KVGB, readable in spots w/many oldies and a few Top 40 hits, good "It's 11:30 at KUUU Seattle" at 0230, ID, PSA, promo for AM DJ 0245-0250, then gone into mess. Farout, etc. (HWB, JS) I thot HWB was fried when he foned it(JS)

1600 CHNR ON 1/19 strong 0035-0050 w/C&W stuff (DS)  
 KATZ MO 1/20 ET 0103-0131 w/jx, record, jx, etc, Jingle sounded like "KBBB", some RR, mostly soul, DJ gave call real slow 0131 said he was getting in late (DS) 714! That'll make you talk real slow (JS)

WCWC WI 1/6 DX thru WWRL (TRS) 1/6 DX fair o/KATZ/WWRL (KDF) Too bad the DXN arrived after the DX (JS)

AND NOW, PIRATE FIENDS, TURN THE PAGE:

ILLEGAL COMMIE PINKO STATION:

850 WHBL NJ Pirate severely FMing on 850 finally ID'ed as the mess which prevented my reception of WIVS DX. Hrd all afternoon and evening w/segued RR, off-air PSAs, and ID as "The Music Machine, WHBL, Radio 86, Bayonne", but is on 850. Has slop about 8kc wide, took xtal filter, phasing, Q-mult and persistence to make it barely readable. (RjE) With persistence like that, you could get a job as a slo-scan CRT (JS)

Well, kiddies, I have to go and see if HWB is still in the john recycling his supper. When he recovers, he will take over the magic DDXD mistake typer and offer up some FC and Change information. I'll see you in seven as they say in the DX biz. Remember: Just go until you come to (altogether now) the fork in the road. Bye! (JS)

HI group, amazing what only 647% cups of black coffee can do!--HWB... changes

Only thing to report are a couple fines::  
 WBNO Oh Bryan..Fined \$4500 for operation beyond licensed hours.  
 WFPF La.Hammond..Fined \$2000 for use of excessive power & logging errors.  
 WMIN MN Maplewood..Fined \$100 for violation of rules in use of IDs.  
 WEYE NC Sanford..Fined \$1500 for power over 5% above licensed limits and for operating station without regard to times of local sunrise at PSA power.

KTXO TN Sherman..Fined \$2000 for operation w/ excessive power and for commencing operation earlier than authorized.  
 \*\*\*\*\*NOW CHANGES SENT IN FROM REPORTERS\*\*\*\*\*

940 WEOO VA noted in RS 1/19 at noon w/ C&W format(AM) You again??\*HWB  
 1270 WVOY MI Noted in RS 1/13,weak w/ IDo1648 (JF)  
 1380 WBEL WI address: 504 W. Grand--53511\*\*Sked: 0630 (0800)--0115 (2300)  
 1410 KQV PA now uses only AM call in ID,no city of license--also calls itself "AM RADIO" - wcow! RjE  
 1480 WGEZ WI address: 622 Public Ave--53511\*\*Sked: 0555 (0700)--0200(0100)  
 These tips from AM--JS--& BP  
 r c's (all JAN..)

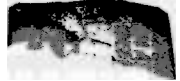
- 1st. MM WEED 1390 ..wrong time --hrd. 0050 (PLB) WBRN 1460 w/ TT (KDF)
- 1st. FRI WWBZ 1360 w/ TT (ADD)
- 1st. SAT KSIM 1400 w/ TT & IDs e/ 5 min. (KDF)
- 2nd. MM KFGO w/ 1K TT (JF & JR)(PLB too) WNTN 680 w/ 1K TT (PLB) WELI 960 per list..WMOB 840 w/ dt 0130-45 (RK)WCAZ 990 w/ 1K TT (RA) WPRS 1440 r/c 0615-30 (JF)
- 2nd. THU WTNK 1390 (JF)
- 2nd. SAT KCHA 1580 w/ 1K TT (STB)
- 2nd. SUN WUCR 860 per list (RK)
- 3rd. MM KXEO 1340 w/ 1K TT (PLB-ROSS-RjE) WDIC 1430 w/ 1K TT & IDs e/ 2 min. (PLB-JS-Ross) KWKY 1150 w/ 1K TT (RK-Ross) WBBQ 1340 & WRWH 1350 (RjE)



TENTATIVES: 3rd. MM\*\*WGAU 1340 (RjE)  
 Not HEARD: 1st. Fri WBNT 1310,WRBN 1600--3rd.MM WLSC 1570,KWLA 1400,WCON 1450 (RjE) had a couple others,but I lost them...sorry gang--HWB  
 Musco sez WSNB 1510 f/c should be reinstated from last years f/c list.Also ~~was~~ by TRS & RM recently might be WSGO & WBAB 1440 f/c per old lists...

REPORTERS:::

- RA Ray Arruba N. Dartmouth,MA SX122 & SMI
- PLB Philip Boersma Spring Lake,MI RF1600 & LW
- STB Sam Brainerd Newark,DE Zenith T-O 1000-1 & loop
- ADD Alan Davenport Ogdensburg,NJ HQ180 & SM2
- RjE Russ Edmunds Parsippany,NJ HQ150 & 4' AA/ HQ145 & 2' unamp loop.
- Jeff Falconer Clinton,On Kenwood 9R59DS & SMI
- KDF Karl Forth Villa Park,Ill. HQ160 & SMI
- GFJ Gordon Fenderson Jr. Old Orchard Bch,ME Digital clock radio
- ROSS Ross Hansch Madison,WI HQ180 & 3 1/2' loop
- MK Mark Katz Brookline,MA HQ180 & 4' loop
- RK Robert Kramer Chicago,IL HQ129 & Spiral loop



dAN MYERS TOLEDO,OH hq180 & small loop..  
 RM Ron Musco Windsor,CT HQ180 & loop  
 BP Bill Paschke Beloit,WI Galixy R530 & SM2  
 JR Jeff Roberts Decatur,Il DX150B & SM2  
 DS Dave Schmidt New Castle,DE HQ180 & SMI  
 TRS Tom Sundstrom Willingboro,NJ HQ150 & SM2/SPR4 & LW  
 BW Bruce Winkelman Man,WV HQ180 & SMI  
 Silly John Silliman Girard,Oh Zenith Transoceanic port, & poor ears  
 JS Jerry Starr Hubbard,OH HQ180 & 4' loop  
 HWB Ye ED Girard,Ohio HQ180 & 3 1/2' loop  
 AM ALAN MERRIMAN FAIRFAX,VA K&R & ANT.  
 If anyone or anything got left out,we're sorry!

**WPKO, WIBO-FM**  
 P.O. BOX 227  
 WAVERLY, OHIO 45690

Later group,  
 HB & ★



"RADIO NEWFOUNDLAND"



January 13th., 1975.

Mr. Frank E. Dailey,  
 RFD #5 - Route 12,  
 Preston,  
 Conneticut,  
 06360,  
 U.S.A.

Dear Mr. Dailey;

We are pleased to verify your reception of CKVO on  
 November 4th., 1974, and to thank you for your Report.

As you mentioned, you accomplished a considerable  
 feat in logging CKVO in the presence (or absence) of WOR. It was  
 not our intention to test through WOR, our test transmissions  
 were for the purpose of conducting field strength measurements,  
 as the facility had just been constructed at that time.

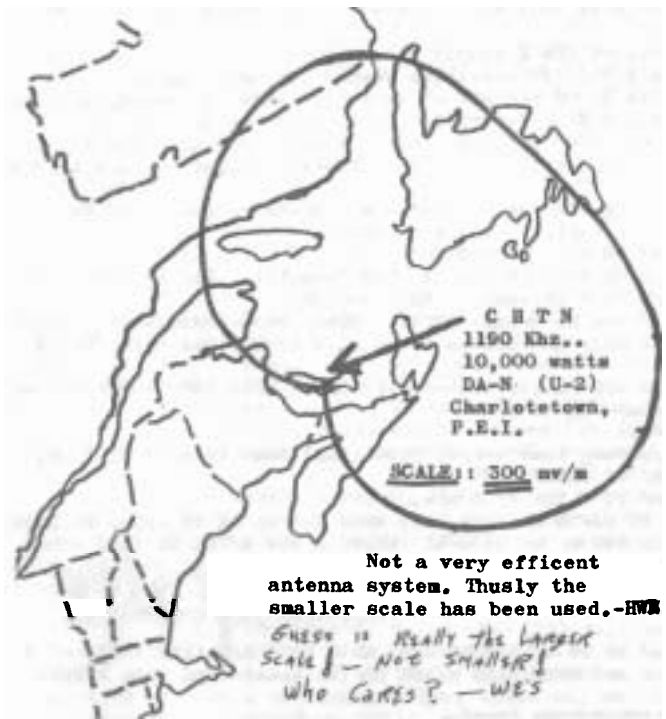
We note with interest that yourself and one other  
 DXer in the U.S.A. identified the Station as CKZO. As a convenience  
 in future loggings, I should advise that the letter "Z" is pronounced  
 "zed" in Canada (rhymes with lead..as in Zeppelin).

Thank you again for your interest and best wishes  
 for your future DXing.

Yours sincerely,

Reg McCausland,  
 Chief Engineer,  
 COLONIAL BROADCASTING SYSTEM LIMITED - VOCM.

RMCC/lm.



BBC  
 BIRMINGHAM  
 THE HEART OF THE NATION STATION  
 95.6 VHF FM  
 206 MEDIUM WAVE

## A WHIP ANTENNA COUPLER FOR USE WITH PORTABLE RECEIVERS

J. HAGAN

Several years ago I purchased one of those multiband portable receivers covering LW-MW-SW and FM. It had a built-in ferrite rod antenna for LW and MW. On the short wave bands from 1.5MHz to 27 MHz, a 48" collapsible whip was provided. This was also used on FM.

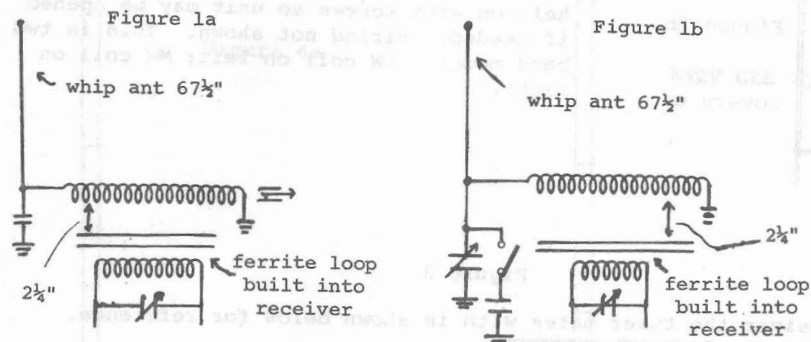
After using the receiver for some time, it was noticed that MW stations between 1500 and 1600 KHz, when tuned in on the low end of the lowest SW band, were somewhat stronger than when tuned in on the high end of the MW band. It was also obvious that the only difference had to be the antenna that was used, the 48" whip being in use on the SW band, and the ferrite rod being used on the BCB. A little experimentation with a few clip leads and variable inductors of the loop-stick variety proved that this was indeed the case and also pointed the way to vastly improving the DX capabilities of the receiver on BCB and LW. The experiments showed that the 48" whip, when properly resonated and coupled to the set, had at least 25 db more signal pick-up than the ferrite rod built into the receiver's handle. (Note: The same principle applies to receivers where the ferrite rod is located inside the cabinet.)

Since this receiver was a fairly expensive and exceptionally well built set, the main problem was to decide how to incorporate the new circuitry into the receiver without serious modification to the receiver itself. After thinking about the problem for a few days, I decided to build all the additional circuitry into a small wooden box that would fit over the handle on the receiver and inductively couple the signal into the ferrite rod. A two band tuner was built, covering both the BCB and LW bands. Many DX'ers own similar receivers, and practically none of these have provisions to use the whip antenna for BC reception. The purpose of this article is to describe some of the details of my tuner. Since a tuner of this type must of necessity be "tailored" to the receiver it is to be used with, it can not be duplicated exactly in every case, but the principle involved can be used with any comparable receiver.

Figure 1 shows schematics of two versions of the tuner. In my tuner the whip that came with the set was used, contact with the tuner circuitry being established by means of a spring clip salvaged from a fuse holder. Contact with the receiver chassis ground (metal cabinet) was made with a small phosphor bronze spring. Since use of the actual whip contained in any given receiver will depend on just how the whip is wired into the set internally, it may not be possible to use this whip without some receiver modification. It is strongly suggested that the Lafayette whip specified be used, if the existing whip proves unsatisfactory. This is a CB walkie-talkie replacement antenna and is somewhat longer and therefore better than the whips built into most receivers.

The inductively tuned version is a little more difficult to arrange mechanically, because of the need to slide the slug in and out of the coil for tuning. It is, however, a much better performer on the low end of the band from about 800KHz on down and is highly recommend-

ed. If this one can't be conveniently worked out, the capacitively tuned model will do a very good job also.



INDUCTIVELY TUNED TUNER

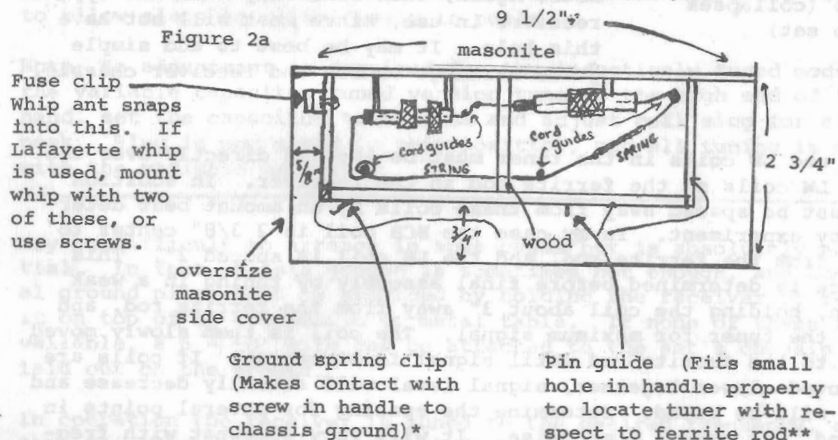
VARIABLE CAPACITOR TUNED TUNER

L1 (MW) - Miller 2007  
 (LW) - Miller 9004  
 C1 - approx 68 pF  
 Whip - Lafayette 99F32070

L1 - Miller 2002  
 C1 - 365 pF miniature variable  
 Lafayette 99F62176  
 Whip - Lafayette 99F32070  
 S1 - SPST switch  
 C2 - 47 pF (range extension  
 if needed)

$\perp$  = chassis ground

My tuner was built into a home made box of masonite panneling and some 7/16 thick ( $\frac{1}{2}$  inch is OK also) lumber left over from another project. The box must be made of insulating materials so as not to interfere with the magnetic coupling between the coil in the box and the ferrite rod in the receiver. Details are as shown.



\* Note: Many receivers have no such screw. It will then be necessary to arrange a useable grounding point. If one can be easily reached by the clip, the problem is simply solved. If not, it will be necessary to run a wire to a chassis screw which is grounded.



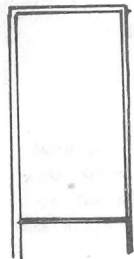
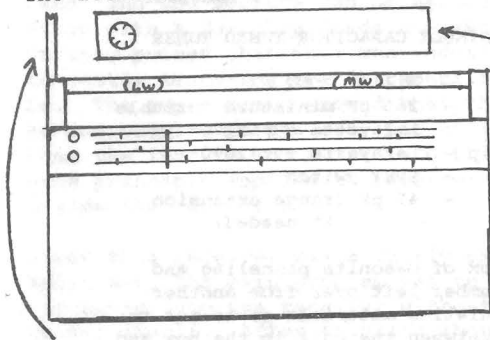


Figure 2b  
END VIEW  
covers on

Note: All joints are glued. One side is held on with screws so unit may be opened if needed. Wiring not shown. This is two band model. LW coil on left; MW coil on right.

Figure 3

The receiver the tuner mates with is shown below for reference.



Tuner - fits down over handle and to left, making contact with whip and screw in handle.\*\*

LW antenna is located in position (LW).

MW antenna is located in position (MW).

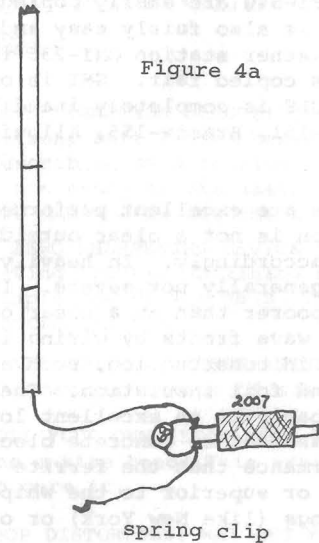
whip (collapses into set)

\*\*Note: Again, this will vary with the type of receiver in use, since most will not have this hole. It may be best to add simple guide markings on box and receiver chassis.

The BC and LW coils in the tuner must be located directly over the BC and LW coils on the ferrite rod in the receiver. In addition they must be spaced away from these coils by an amount best determined by experiment. In my case the BCB coil is 2 3/8" center to center from the ferrite rod, and the LW coil is spaced 2". This distance is determined before final assembly by tuning in a weak station, holding the coil about 3" away from the ferrite rod, and tuning the tuner for maximum signal. The coil is then slowly moved closer to the ferrite rod until signal is strongest. If coils are then moved closer together, signal level will actually decrease and tuning will be broad. Determine the spacing for several points in the band, and make a compromise. It will vary somewhat with frequency. It is probably better to be spaced a little apart than too close. Once the spacing is determined, supports for the coil can be made from masonite and everything glued in place. Use epoxy type glue.

As mentioned before, the above construction cannot be duplicated exactly unless you have the same receiver, an Airline GEN 1477-A. If the set does not have the ferrite rod in the handle, it will be found in the back of the set, usually near the top, and construction details will have to change accordingly. Chassis ground connection

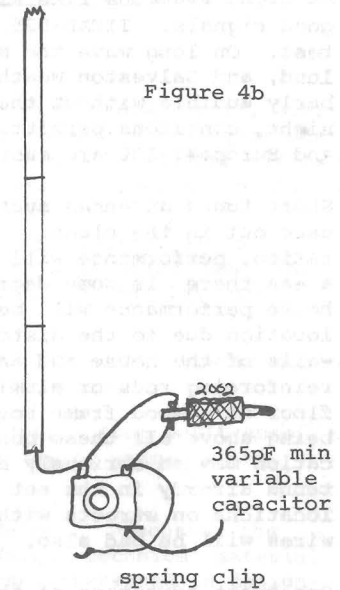
Figure 4a



spring clip

PICTORIAL WIRING DIAGRAM  
(INDUCTIVE TUNING)

Figure 4b



365pF min  
variable  
capacitor

spring clip

PICTORIAL WIRING DIAGRAM  
(VARIABLE CAPACITOR TUNING)

Note: Mounting clips that come in the end of the coils are removed to allow slugs to slide freely in coils.

Note: No adjustment is required for the inductively tuned model. In the variable capacitor tuned version tune to the high end of the band, set the capacitor to minimum and adjust coil slug for signal peak. Slug is now glued in this position, and all tuning is done with the variable capacitor.

may be difficult to arrange in some cases but is absolutely essential. In fact chassis ground is sometimes not enough, and additional ground plane must be provided by holding the receiver or setting it on top of an automobile or metal table. If none of these is available, a 6 - 10' wire can be attached to the set's chassis and laid out on the ground.

In operation the receiver is tuned to the desired frequency, and then the tuner is peaked to that frequency. If the signal is a weak one, it will increase in strength enormously as the tuner is tuned through it. Many signals will not even be audible without the tuner. The antenna is completely nondirectional, but what can you expect for this kind of performance and portability? Using this tuner and the 48" whip that came with my set, I can hear WABC-770 in daytime during the winter from Florida. This is about 1100 miles. Not bad for a portable. Also heard are WWL-870, 4VEH-1035 and Radio Belize-834.

At night stations like KSL-1160 and KFI-640 are easily copied with good signals. TICAL-525, a weak one, is also fairly easy and a good test. On long wave the New Orleans weather station GNI-236 is copied loud, and Galveston weather GLS-206 is copied fair. GNI is only barely audible without the tuner, and GLS is completely inaudible. At night, conditions permitting, Donebach-151, Brasov-155, Allouis-164 and Europa#1-180 are easy copy.

Short tuned antennas such as used here are excellent performers if used out in the clear. If the location is not a clear outside location, performance will be degraded accordingly. In heavily wooded areas there is some degradation but generally not severe. Inside a house performance will be noticeably poorer than in a clear outside location due to the distortion of the wave fronts by wiring in the walls of the house and any metal used in construction, such as steel reinforcing rods or aluminum siding and foil insulation. The third floor of a wood frame house would probably be an excellent location, being above all these obstacles. A basement or concrete block location may so seriously degrade performance that the ferrite rod antenna already in the set may be equal or superior to the whip. City locations on streets with high buildings (like New York) or overhead wires will be bad also.

One great advantage of this system is that it provides a portable receiving system of high sensitivity that can be located to a quiet location if local noise levels are high. My location is impossibly noisy at times, and nearly all the time on the lower frequencies. LW reception is impossible. But by relocating just one block to a church parking lot, quiet reception is obtained. All of my long wave loggings are done this way, and the CPC DX tests of WYLO-540 and Radio Anguilla-1505 were saved from the line noise by this method.

I have taken the NRC A-A Loop with me for tough ones, but its size makes for great inconvenience, and it is impossible to take on vacation trips. The whip antenna is about equal to it in signal pick-up but of course lacks nulling capability and is no problem in a suitcase. Try building one of these, and see if you don't agree.

# NRC REPRINT LIST

## PAST ARTICLES FROM DX NEWS

### ANTENNAS

- A3 HIGH PRECISION DIRECTION FINDING ON THE BCB, PARTS I & II, G.P. Nelson. Part I uses Maxwell's Equations to derive the equations describing MW direction finding with a loop antenna. Part II is a nontechnical discussion of how loop antennas operate on the BCB and how to get the most out of a loop.
- A4 A ZERO SHARPENING DEVICE FOR A BCB LOOP, T. Holmes. If you're having trouble obtaining sharp nulls with a standard loop, this simple device may help. The 1965 forerunner of the Pattern Controlled Loop.
- A5 A VERSATILE LONGWIRE ANTENNA COUPLER, R. Foxworth. How to get the maximum amount of signal from your longwire.
- A7 ROLL YOUR OWN (LOOP THAT IS...), D. Fischer. Loop won't tune the entire band? This article describes what's wrong and how to cure it.
- A13 LOOP DISTORTION: WHY GET SKEWED, G.P. Nelson. Discusses the origin of distorted DX loop patterns. Unique technical material not available elsewhere; a must for those interested in designing MW loop antennas.
- A14 PATTERN CONTROLLED LOOPS, PARTS I & II, G.P. Nelson. Introduction to the theory and practice of pattern controlled and cardioid loops for the BCB DX'er.
- A18 THE FLORIDA BEVERAGE, J. Conrad. Jerry describes his own results with a Beverage antenna and compares it with others he's used.
- A19 THE CARE AND FEEDING OF THE WAVE ANTENNA, J. Starr. Practical construction hints for a Beverage antenna.
- A20 DOWN TO EARTH GROUNDS, G.P. Nelson. Hints on making a low resistance ground connection for terminating a Beverage antenna.
- A22 A CALIFORNIA BEVERAGE, Fr. J. Pejza. Another article describing the spectacular results obtained with a Beverage.
- A24 THE SUPER SIGNAL SNATCHER, D. Fischer. This article describes the theory of the Beverage antenna. Includes equations, tables and many diagrams.
- A25 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA, G.P. Nelson. Helpful information for those doing horizon blockage experiments with a loop antenna.
- A26 USING TWO LOOP ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERNS, M. Levintow. Shows and describes a simple way to skew your loop antenna's pattern to effect a null that will permit reception of a station impossible to receive on a figure-8 loop antenna by itself. Reading of reprints #A13 and #A14 are a requirement for the understanding of this technique.



**Radio Solent** 301MW  96.1VHF

- A28 A NEW MEDICAL BREAKTHROUGH FOR LONGWAVE TA'S, C. Clayton. Instructions on how to build an inexpensive loop antenna for LW.
- A29 REVIEW OF THE DYMEK DA-3 ANTENNA, Peter Taylor, with notes by R. Edmunds. Evaluates this recent development in BCB antennas and its applications to MW DX'ing.
- A30 MORE ON BEVERAGE ANTENNAS, W. Boyd. An update on Beverage antenna theory and applications.
- A31 AN FET LOOP PREAMPLIFIER WITH COAXIAL OUTPUT, James V. Hagan. This article describes a highly effective balancing amplifier for the air core loop, usable with unbalanced receiver inputs, and featuring power tapped from the receiver and switchable attenuation controls to prevent overloading.
- A32 A WHIP ANTENNA COUPLER FOR USE WITH PORTABLE RECEIVERS, J. Hagan. A simple construction project to inductively couple a whip antenna to the internal ferrite rod in many portable multiband receivers.

#### STATION LISTS

- L2 FREQUENCY CHECK LIST, J. Fela. Many US stations run equipment tests at regularly scheduled times and dates; this is a listing of frequency checks that will permit many new domestic loggings. Latest edition available.
- L6 CUBAN STATION LIST, R. Schatz. Invaluable aid for identifying these widely heard stations. Latest edition.
- L7 DOMINICAN REPUBLIC STATION LIST, C. Objio. A listing, including addresses and schedules of the stations in the Dominican Republic. Latest edition available.
- L14 BEACON STATIONS, Compiled by Finlands DX Club and the NRC. Listing of CW aircraft beacons operating on or near the Medium Wave BCB.

#### DOMESTIC DX

- D1 WHAT IS A FREQUENCY CHECK?, P. Taylor. Explanation to a frequently asked question by beginning domestic DX'ers.
- D2 IT TAKES TWO TO VERIFY, J. Murley. Unhappy with your domestic QSL return percentages? Read this article on the station's attitude towards reception reports and improve your returns; written by a highly experienced broadcasting professional.
- D3 CANADA'S WILDERNESS RADIO: THE LPRT, P. Taylor. In depth study of those 20 and 40 watt Canadian stations that you hear, but don't understand. A must for the domestic DX'er.
- D4 WHAT IS A PRESUNRISE AUTHORIZATION?, R.J. Edmunds. Some US stations are authorized to operate with powers such as 14.3 watts during certain hours; this article explains why.
- D5 UNDERSTANDING STATION PROCEDURES, J. Starr. Some DX'ers miss out on getting verifications from stations because the program details they list are not part of the station log.
- D6 CLEARS AND CLASSIFICATIONS, M. Collins. Explains how the FCC allocates channel assignments and station power in accordance with the NARBA treaty.
- D8 NIGHTTIME LISTENING, M. Collins. A variety of programming can be heard on the high-powered clears which cover most of the nation at night.
- D9 NETWORKS, M. Collins. Explains how the 4 major networks operate.
- D10 THE NSP SITUATION, J. Starr. A look at this problem from the broadcaster's side of the fence.
- D11 DX FROM THE TWILIGHT ZONE, P. Sullivan. For various reasons some stations are audible only at sunrise or sunset. This article tells the reasons.
- D12 HOW TO SEND A RECEPTION REPORT, NRC HQ. Important points for the novice MW DX'er regarding reception reports.
- D13 GRAVEYARD DX, R. Foxworth, with additional by M. Levintow. This article tells you how to DX those cluttered local channels and get results.
- D14 CANADIAN FAMILY LIFE, J. Oldfield. Describes the operations of Canada's "twin" and "triplet" stations.
- D15 HELPFUL HINTS FOR IDENTIFYING HARD-TO-HEAR STATIONS, A. Davenport. How to beware of mis-ID's in domestic calls.

#### MISCELLANEOUS ARTICLES

- M1 TELEVISION SWEEP OSCILLATOR HARMONIC FREQUENCIES, R. Foxworth. TV receivers generate QRM which appears on specific frequencies and may be confusing. This article lists the frequencies and discusses the problem.

- M2 LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH?, G.P. Nelson. Many MW DX'ers complain about certain local stations "overmodulating" and producing undue amounts of QRM. This article describes the federal regulations which govern permissible sideband radiation on the MW band; also describes certain types of station-originated spurious radiations.
- M3 MODULATION ARCING, J. Starr. Explains a frequent, but rarely discussed cause of BCB interference originating at the station that can wreck havoc on the MW band.
- M4 SUNRISE-SUNSET TABLES, G.P. Nelson. These charts permit the DX'er to determine accurate time of sunrise or sunset at any point in the world on any particular day. Very useful for international MW DX'ers.
- M5 QUASIMONTHLY PATTERNS IN ATYPICAL MW DX RECEPTION, G.P. Nelson. A large body of data on TA reception gathered by R. Wood in England. Information is analyzed in an attempt to prove or disprove the "Lunar Phase" theory.
- M6 SAFETY AND PREVENTIVE MAINTENANCE FOR DX'ERS, J. Starr. Will your DX setup surprise you with a lethal shock or someday start a fire? This article may prevent a shocking surprise.
- M7 UNRESTRICTED RADIATION, G.P. Nelson. Discussion of carrier current and other restricted radiation stations; how to hear 'em.
- M8 RF POLLUTION, G. HAUSER. General discussion of the radio interference problem and steps necessary to control it.
- M9 PATTERNS, PARTS I, IIa AND IIb, P. Hart. An understanding of the directional antenna patterns used by North American MW stations is vital for the active domestic DX'er. This series of articles explains in authoritative detail what patterns mean and how the DX'er can fatten his log by understanding them.
- M10 TAPE RECORDING FOR DX'ERS, J. Starr. A professional broadcaster and DX'er gives tips on the use and abuse of tape recordings as a means of reporting to domestic stations.
- M11 GREAT CIRCLE COMPUTER PROGRAM, P. Sullivan. A simple FORTRAN program for calculating the bearing from your location to any radio station.
- M14 GREAT CIRCLE BEARING ALGORITHM, D. Fischer. Procedure for calculating bearings from one point to another, when given the latitude and longitude of each. A FORTRAN program included.
- M16 HOW DIRECTIONAL PATTERNS ARE PRODUCED, W. Boyd. Shows how the stations can create the unusual patterns you see in the NRC Pattern Book.
- M17 SITING OF DIRECTIONAL MW STATIONS, W. Boyd. Describes how the combination of directional antenna and optimum site selection can give a station the coverage it wants without unnecessary interference to other stations.

- M18 PRINCIPLES OF VERTICAL PATTERNS, W. Boyd. Introductory discussion of vertical radiation patterns and their significance to BCB DX'ers.
- M19 VERTICAL PATTERNS OF MW TRANSMITTING ANTENNAS, C. Lucas. A more mathematical treatment of vertical patterns. Includes graphs.
- M20 DX TREASURES: RISKS AND PROTECTION, A. Rugg. Is your DX equipment or QSL collection safe from fire, theft or other disasters? Explains how to "insure" your DX valuables.
- M21 SIMPLIFIED GREAT CIRCLE COMPUTATION, D. Fischer. Similar to reprint # M14.
- M22 EASY DX CALCULATIONS, D. Fisher. More computer calculations for use in DX direction-finding, but on a simpler scale.
- M23 TELEPHONE FEEDOUT FOR DX'ERS, W. Boyd. Tells how to use your phone to play DX for others. Useful in ID'ing stations.

#### TIPS FOR BEGINNERS

- N1 HOW TO LOG YOUR FIRST 500 STATIONS, P. Taylor and R.J. Edmunds. Beginner's introduction to domestic DX'ing.
- N2 LOG THE 50 STATES, P. Taylor and R.J. Edmunds. Station tips for the novice MW DX'er on logging all 50 states.
- N3 LOGGING THE FIRST 20 COUNTRIES FROM THE WESTERN HEMISPHERE, P. Taylor and R.J. Edmunds. More station tips for the novice.
- N4 TA'S FOR BEGINNERS, P. Taylor and R.J. Edmunds. Introductory article to DX'ing TransAtlantic MW stations, plus specific recommendations for the novice MW DX'er.
- N5 THE FIRST 25 COUNTRIES IN ENGLISH, J. Conrad. Are you as a novice MW DX'er having trouble with foreign languages? Some 25 countries in North and South America broadcast in English on the MW band; this article tells how to log 25 countries without being a language expert.
- N6 YOUR FIRST 10 MEXICAN STATIONS, J. Murley. Bewildered by all those Mexican stations you hear? This article tells how to log and identify the major stations.
- N7 THE COMPLEAT DX'ER, P. Taylor. Are you a newcomer to the MW DX hobby who is somewhat overwhelmed by the quantity of stations on the air and the book-keeping required to permit instant retrieval of important information? This article explains in detail how to become "systematized" in order to more efficiently pursue the quest for DX stations.

## RECEIVING EQUIPMENT AND TECHNIQUES

- R1 SPURIOUS SIGNALS & SPURIOUS SIGNALS REVISITED, R.J. Edmunds and G.P. Nelson. Many MW DX'ers hear stations on frequencies where they don't "belong". These articles describe the causes and cures of spurious MW responses. Especially valuable if you've got powerful local stations nearby.
- R2 SINGLE SIDEBAND RECEPTION ON THE BROADCAST BAND WITH MECHANICAL FILTERS, G.P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with BCB interference - especially in the presence of powerful local stations. This article explains in great detail how to fit mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. This technique is widely used by many top MW DX'ers.
- R3 SUBAUDIBLE HETERODYNES ON THE MW BCB, G.P. Nelson. Details on a technique which permits the MW DX'er to detect and characterize signals too weak to be audible at the time; also allows the DX'er to count the number of stations on a channel, even if no programming is audible and permits direction finding on channels with several stations present.
- R5 THE TRACKING PROBLEM AND HOW TO CURE IT, G.P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW DX operation; this article describes one of the most common design faults and how to cure it. Very useful if you have strong locals.
- R6 ELECTRONIC VERNIER TUNING, R. Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandspread tuning.
- R7 MECHANICAL FILTERS FOR THE HQ-180(A), J. Starr. Complete details on the conversion of the popular Hammarlund model HQ-180(A) receiver to mechanical filter operation. Order with reprint #R2.
- R8 LIVING WITH A BUDGET RECEIVER, R.J. Edmunds and G.P. Nelson. A lengthy discussion on how to improve inexpensive receivers for top MW performance; incorporates construction details on antenna tuners to match longwire antennas to Medium Wave receivers; discusses the uses of audio filtering, how to select a MW receiver and how to reduce spurious responses in the presence of powerful local stations.
- R11 RANDOM THOUGHTS ABOUT RECEIVERS, R. Foxworth. Hints on using a crystal calibrator and coaxial antenna inputs.
- R12 AN INEXPENSIVE METHOD OF FREQUENCY MEASUREMENT, P. Taylor and R.J. Edmunds. How to measure the audio frequency heterodyne from which a station's frequency can be determined.
- R13 RECEIVER HOT-RODDING HINTS, R. Moore. Hints and circuits for getting more out of your receiver.
- R14 UP THE CARRIER, W. Bailey. Dig the weak DX out of the mud with exalted carrier reception.

- R15 PRECISION FREQUENCY MEASUREMENT, R. Schatz. How to use the frequency counter; an instrument now within the DX'ers budget.
- R16 SELECTIVITY DEVICES, R. Schatz. Basics of tuned circuits, crystal filters, mechanical filters and Q-Multipliers.
- R17 THE FMS-3 FREQUENCY MARKER STANDARD, R. Foxworth. A review of this device's operation, how to make proper connection to the DX receiver and modifications incorporated by the author to permit full use of the unit's capabilities.
- R18 SINGLE SIDEBAND RECEIVING ADAPTERS, T.R. Sundstrom. How to sharpen your receiver's IF bandpass by employing a B&W # 370 receiving adapter.
- R19 REVIEW OF THE AUTEK Q-BOX, T. Sundstrom. Describes the uses of this new noise-filtering device and its applications in MW DX.
- R20 REVIEW OF THE HEATH SB-620 SPECTRUM ANALYZER, R. Foxworth. A comprehensive and detailed analysis of the unit's operation and uses as related to MW DX'ing.

## FOREIGN DX

- F1 REPORTS TO LATIN AMERICA, C. Objio. Helpful hints on how to verify Latin stations; written by a world-famous LA DX'er.
- F2 LATIN AMERICAN NAMES, C. Objio. It's hard enough to QSL many LA stations without insulting the station personnel by misusing Spanish names; learn how to use Spanish names correctly!
- F3 PORTUGUESE FOR DX'ERS, R. Schatz. Describes the important and unusual features of this language; a must if you DX Brasil.
- F4 STATION NAMES VS. CALL LETTERS, C. Objio. The distinction between call slogans and call letters is important in Latin America; this will help you DX the Spanish speaking stations.
- F5 HUNTING THE LATINIS BY MUSIC, R. Schatz. Describes the various types of Latin American music indigenous to various countries and tells how to ID LA's using this information.
- F6 FREQUENCY AND CALL SIGN ALLOCATIONS IN SOUTH AMERICA, R. Schatz. Confused by Latin American calls? This article explains all.
- F8 BOTTOM DX, C. Freeman. Quite a number of stations operate below 540 kHz. This article lists these stations and tells how to modify your receiver to hear them.
- F9 ABOUT THOSE COMMON WAVES, R.J. Edmunds. European Common Wave channels feature dozens of stations in different areas carrying the same programming. This article explains how and why, and the significance for the DX'er.

- F10 TRANSPACIFIC RECEPTION DOES EXIST, J. Murley and G.P. Nelson. A highly experienced West Coast DX'er gives a full rundown on how to hear, identify and QSL Transpacific stations; much practical information.
- F11 DX'ING POLYNESIA AND BEYOND, J. Murley. Very detailed account of the stations in the Pacific that can be heard in North America.
- F13 THE ODDS ON EVEN TA'S, R. Schatz. TA's can be heard on some of our 10 kHz channels; find out which ones & when to listen.
- F14 DX'ING RARE AFRICANS.... SYSTEMATICALLY, P. Taylor and R.J. Edmunds. A country by country rundown of where and when to listen for the hard-to-hear stations in Africa.
- F16 BROADCASTING IN CUBA, R.F. Schatz. Are you confused by the broadcasting situation in Cuba? This article will help.
- F17 HETERODYNES, K. Brownless. Explains what heterodynes are, how they are created and their significance to the DXer.

#### RECEIVER REVIEWS

- RR1 DRAKE SPR-4, E. Behr and R. Fischer
- RR3 LAFAYETTE HA-600A, R. Schatz
- RR4 HEATH GR-78, R. Schatz
- RR5 BARLOW-WADLEY XCR-30, M. Hardester

#### PROPAGATION

- P1 MEDIUM WAVE SIGNAL PATHS, PARTS I, II, III, IV, G.P. Nelson. Discusses great circle paths, seasonal adsorption patterns, auroral effects and the Midwinter Anomaly.
- P2 SOLAR CONTROL OF DAWN E BLANKETING ON THE MW BCB, G.P. Nelson. Explains how the position of the sun controls the fadeout time of TransAtlantic and TransPacific stations.
- P3 EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM, G.P. Nelson. Considerations of solar control of fade-in times for MW stations.
- P4 SUMMER RECEPTION ON THE BROADCAST BAND, G.P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from deep South America and Africa possible. A must for the international MW DX'er.
- P6 AURORAL EFFECTS AND THE 1969 TRANSATLANTIC LISTENING TEST, G.P. Nelson. Brief, but simple description of how the geomagnetic and auroral phenomena control TA reception from various stations. Best general introduction to MW auroral effects.

- P7 THE AURORA OF NOVEMBER 6-9, 1970, G.P. Nelson. Traces a classic MW auroral attack from its origins on the sun to its effects on MW reception; a must for understanding the auroral effects on the Medium Wave band.
- P9 SKYWAVE OR GROUNDWAVE RECEPTION?, G.P. Nelson. How to tell whether the signal from a station you are listening to is arriving via a skywave or groundwave path, or both.
- P10 A BEGINNER'S GUIDE TO THE IONOSPHERE, Fr. J. Pejza. Radio wave propagation is influenced greatly by the conditions in the ionosphere. This article explains the processes which change the ionosphere and the effect of these changes on radio waves.
- P11 THE LIMITS OF MIDDAY MW DX, G.P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours.
- P12 LIMITATIONS IN THE USE OF THE A-INDEX, G.P. Nelson. While the A-index is a valuable tool for MW DX'ers, it is easily misinterpreted. This article shows why.
- P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY, G.P. Nelson. Describes the author's research into the effects of the Aurora on MW propagation.
- P14 SKYLINE BLOCKAGE, Fr. J. Pejza. Mathematical derivation of the formulae needed to calculate the effect which the terrain has on signals.
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# NRC ANTENNA MANUAL

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- A16 THE SPACE MAGNET: HOW GOOD IS IT?, D. Kenney. Further discussion of the "Space Magnet" loop antenna.
- A21 ALTERNATIVE METHODS OF AMPLIFICATION FOR AIR CORE LOOPS, R.J. Edmunds. Describes the use of commercially available RF amplifier kits as MW loop amplifiers. Order with # A23.
- A23 THE TWO-FOOT LOOP ANTENNA, R.J. Edmunds. Similar to the loop described in reprint # A11, but only half the size. Ideal for those who lack the space for a full size loop.
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This manual is a compilation of numerous articles on the subject of antennas for medium wave DX'ers which have appeared in the pages of DX NEWS over the past several years in one handy volume. Includes data on air- and ferrite-core loops, antenna tuners for longwires, and beverage antennas, along with various coupling devices. 60 pages, 5½ x 8½ booklet format. \$2.25 in the U.S. and Canada.

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(Available Spring 1975) This manual is similar to the above manual on antennas, except that the subject is DX receivers. It includes useful articles on receiver modifications and accessories, as well as reviews of many of the more commonly-used ECB DX receivers currently available. A must for the serious DX'er/experimenter. 72 pages, 5½ x 8½ booklet format. \$2.50 for domestic orders.

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#### COMING

Additional reprint reference manuals will become available in the areas of Medium Wave Propagation and Domestic DX within the upcoming year if demand is sufficient for them. Please indicate to us in a separate letter if you are interested in either of these items if you have not already done so. Further publications are still in the planning stages.

#### AN FET LOOP AMPLIFIER WITH COAXIAL OUTPUT

James V. Hagan

When I decided to build the NRC Alt-Az loop antenna, it was obvious that I would have to modify the preamp for unbalanced output, or modify my receiver for balanced input. Many of the best receivers on the market today have only coaxial input with no provisions for a balanced input such as required for the A-A loop. My receiver, a Galaxy R-530, is one of these.

It was decided before construction was begun to redesign the FET preamp for coaxial (unbalanced) output rather than attempt modification of the receiver. Coaxial output has the additional advantage of being inherently better shielded than a balanced system and also permits the use of standard readily available coaxial connectors. These connectors can be quickly connected or disconnected from the receiver when other antennas are also used. The mechanically cumbersome arrangement of the twin shielded transmission line from loop to receiver is eliminated, and as an added bonus, the coaxial cable to the receiver can be any length, even hundreds of feet if desired with no adverse effect on loop performance. Many of the commercially available TV antenna mounted preamps also use the feedline between the TV set and the preamp to feed DC power to the preamp as well. This feature was also incorporated in the new FET preamp. Power can now be supplied by batteries from the receiver end of the line, or as in my case, taken directly from the receiver itself, eliminating the necessity of a separate pair of leads to carry DC power to the preamp on the loop. Only a single line leaves the loop preamp, allowing for greater freedom of motion of the loop.

In the original FET preamp a matched pair of 2N4416's was called for. I could not obtain a matched pair for my project, and assume others may have this trouble also. For best loop balance a matched pair would be absolutely essential, so it was decided to incorporate some sort of a balance control into the circuit to allow use of any pair of FET's in the preamp, matched or not. Also since the output of the preamp is going to feed the low impedance 50-300 ohm input of a receiver, a source follower circuit was used in the preamp to change the high impedance of the loop to a lower impedance. The rest of the impedance drop is accomplished in the 4:1 balun transformer. The source follower circuit is degenerative, therefore doing away with the requirement that the amplifier be neutralized, simplifying amplifier adjustment.

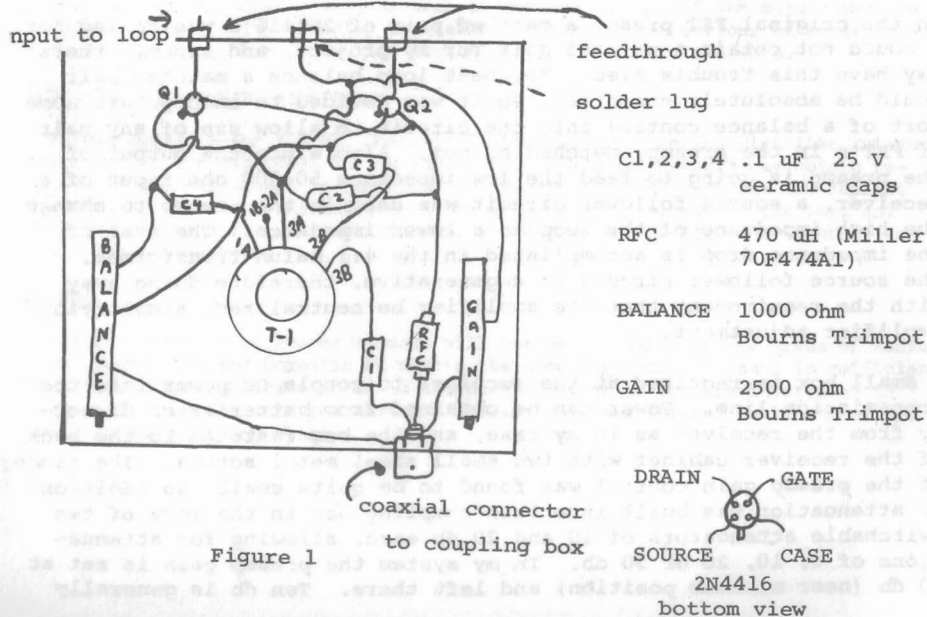
A small box is required at the receiver to couple DC power into the transmission line. Power can be obtained from batteries or directly from the receiver as in my case, and the box fastened to the back of the receiver cabinet with two small sheet metal screws. The range of the preamp gain control was found to be quite small, so additional attenuation was built into this coupling box in the form of two switchable attenuators of 10 and 20 db each, allowing for attenuations of 0, 10, 20 or 30 db. In my system the preamp gain is set at 10 db (near minimum position) and left there. Ten db is generally



switched in at the coupling box, completely wiping out the gain produced by the preamp, the preamp merely acting as a balance-to-unbalance converter and impedance matching device. This choice is left to the operator, however, as the preamp is capable of a power gain of over 20db. This extra gain has never been needed by me, and I prefer to see essentially the same signal level as the loop provides to the preamp input, at the receiver.

This preamp requires a few more parts than the original FET preamp and may be a little more complicated, but the results are well worth the extra effort.

The preamp is built in a 2 3/4 x 2 1/8 x 1 5/8 aluminum minibox obtainable from Lafayette or Radio Shack. All parts except the input terminals and output connector are mounted on perfboard cut to fit the box. The board can be mounted in the box on standoffs, or supported by stiff soldered leads if desired. A small PC board could be fabricated in place of the perfboard for a neater installation, if the builder feels industrious. If not, flea clips are used on the perfboard to hold components in place and make connections. Small feedthroughs (press-in or stud-mounted types), Cambion 570-1795-01-01-00 or 571-4176-01-05-19 or equivalent types, are used for loop input terminations. These are available from Newark but may be hard to find in small quantities, so some improvisation may be needed here. The only requirements are that whatever is used, the connection must be mechanically solid and have low electrical capacitance to the minibox. A phono pin plug can be used for the output coaxial connector, but a UG-1094/U or UG-625/U connector is a much better arrangement. RG-58 fitted with the mating connectors or RG-174 cable is used to connect to the coupling box. RG-174 is smaller and more flexible, and is probably the better choice if connectors for it are available. It works great with phono plugs.



parts are mounted in the box as shown. Part layout and wiring dress are not critical at these relatively low frequencies. The FET gate leads to the input feedthrough insulators should be as short as possible, though. Miniature parts are used throughout. Substitutions are possible as long as the same value part is used.

Q1 and Q2 should be mounted in sockets to facilitate changing transistors in case of damage. T1 consists of 40 turns of #31 wire trifilar wound on a toroidal core, Amidon T-94-2 or equivalent. (Amidon Associates, 12033 Otsego St. North Hollywood, Ca., 91607) Cores are also available from Indiana General. A trifilar winding is made by twisting together three equal lengths (about 4') of #31 wire. The twisted triplet is then wound more or less evenly through the core 40 times, as shown:

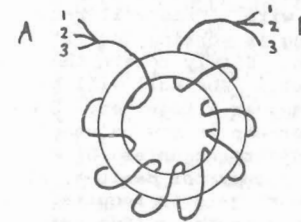
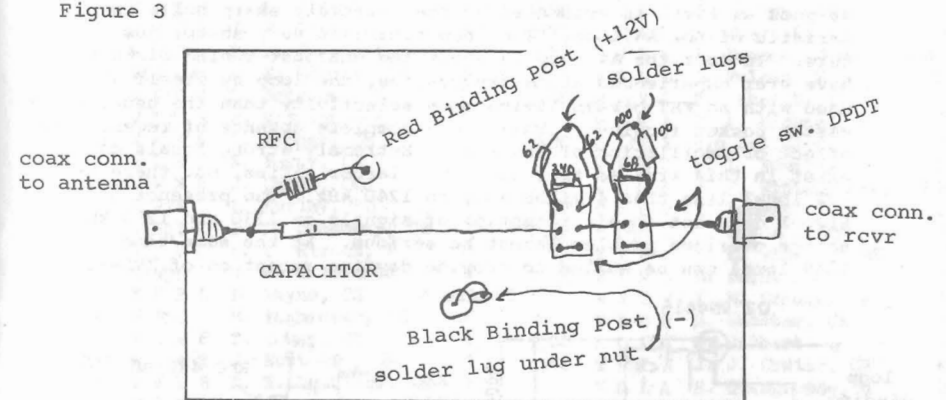


Figure 2

Each of the wires should be marked on each end with pieces of tape to aid in identification after winding. Label one end of the triplet A, and the other B. Solder 1B to 2A. This is the primary centertap and is later soldered to a tiepoint, but not used. 1A will go to C4, and 2B will go to C3. 3A goes to ground, and 3B goes to C1.

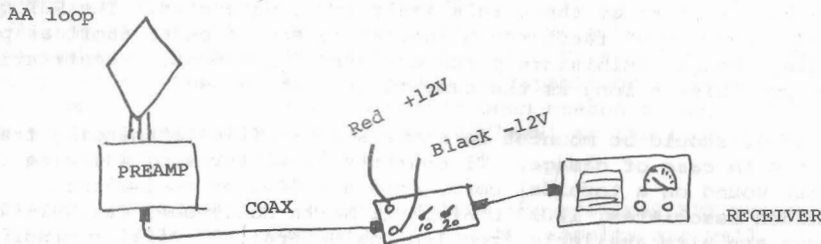
The coupler/attenuator box is assembled next. It is built in the same size minibox as the preamp. Wire as shown:

Figure 3



This completes construction of the preamp and power coupler/attenuator box. Connect to receiver as shown.

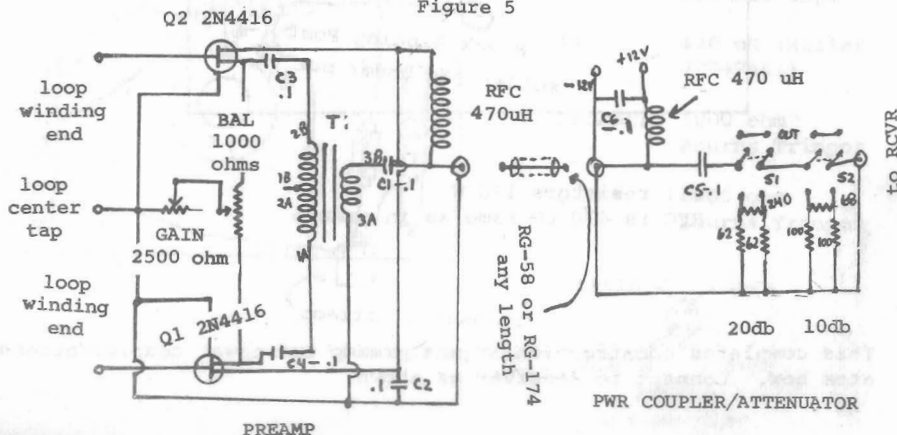
Figure 4



Adjustment of the balance control is accomplished by tuning in the strongest local in your area, the stronger the better. Temporarily connect the two input feedthrough insulators (ends of loop winding) together with a short length of hook-up wire. This will reduce the signal strength drastically if everything is working OK. If the receiver has a BFO, it should be turned on. Slowly rotate the balance control for null position (minimum signal.) The null will be quite sharp, and the signal will probably disappear altogether. Remove the short length of hook-up wire. The preamp is now balanced, and this control will not require further adjustment unless Q1 or Q2 is changed. Preamp gain is set wherever the operator desires, although with most of the better receivers, not much gain is required. I prefer the minimum setting. This corresponds to about 10db gain. The attenuator box controls allow various attenuation to be set in. With either the 10 or 20 db switch in, the attenuation will be 10 or 20 db respectively. With both the 10 and 20 switches in, the total attenuation will be 30db. With both out the attenuation is 0.

Results using this preamp have been excellent. The loop balance is as good as ever, as evidenced by the extremely sharp nulls characteristic of the AA loop. The loop tuning is very sharp, just as before. In fact the AA loop is about the sharpest tuning circuit I have ever experienced at MW frequencies, the loop by itself when used with an FET preamp having more selectivity than the usual transistor pocket receiver. There is a complete absence of regenerative effect or oscillation of any kind. Extremely strong locals do not exist in this area as they do in the larger cities, but there is a 1kW local less than 4 miles away on 1240 kHz. The presence of this signal does not impair reception of signals on 1230 and 1250 kHz, so the overload problem cannot be serious. At the same time, my 1240 local can be nulled to provide daytime reception of ZNS-2.

Figure 5



V E R I E S I G N E R S

A - B. Reynolds	H - G. Fenderson	1170	W Lm B H	S. Miller, CE	I
B - K. Forth	I - C. Dabelstein	1180	K Oq F I	u/u	F
C - T. McCormack	J - P. Kemp	1190	K A D E	T. DeBacker, CE	I
D - R. Musco	K - W. Heinen		KE Z Y	J. S. Stanley, DoE	L
E - R. Sperry	L - C. Wolff	1220	K C C S	D. Brown, M	L
F - M. Sorensen	M - D. Weeden	1230	K O D E	M. Sweet, CE	I
G - J. Falconer	N - E. Cooper	1240	KS L V	D. Watts, GM	I
			WC NC	J. Lamb Jr., CE	K
540	H C F A2 Julieta M. de Ocam, SI	1250	KT MS	J. D. Strahler, CE	L
550	W G N G D. Burnham, CE	E 1260	W M M M	C. Mills, TD	JM
	C Fq N B G. D. Love, TD	H 1265	Paradise	R. Edmean, CE	E
	K O Y R. E. Johnson, CE	L 1270	K Tq F I	W. Snow, CE	L
570	W SqY R Mrs. C. Rioux, S	K	W L B R	W. Zehring, CE	JM
	K C N O Jeanne Schofield, S	L	W C G C	E. Gantt, M	D
	K Lq U B D. Williams, CE	L 1280	W E I M	T. Kain, CE	J
600	W F S T u/u, AM	D	K F O X	C. Collier	L
610	W S N G J. Longeren, ACE	E 1300	K W K W	A. Noto, CE	L
620	K T A R W. Green, E	L 1310	W B F D	P. Poor, E	J
	K Gq W C. H. Hanwalt, CE	L 1320	W K T Q	T. Monahan, CE	E
690	K S T L R. Howard, CE	I 1330	W E V D	D. W. Winter, CE	JM
700	W Lq W u/u	H 1340	K Q I L	R. Goodrich, CE	I
710	C JfR N G. Hooper, CE	I	W G A W	G. Wiley, CE	J
	K E R E L. D. Schmierer, CE	I	W D C R	D. E. Hunt, GM	D
740	K C M C H. Cecil, M	I 1370	W K F D	D. Dearman, OpM	N
	K Tq R H L. A. Mullan, TD	L 1380	W Bq E L	T. Farber, CE	G
750	W B M D S. Brenner, E	J	W Lq C Y	W. Cooper, CE	K
730	W O H S S. Green, CE	I 1400	W H M P	R. A. Caibledge, ACE	J
760	K F M B C. F. Abel, MoE	L	C K C B	J. Nichols, PD	G
790	C H I C W. Tillner, CE	D	W JfH O	K. Rigsby, PD	B
	W Aq E B W. R. Gottshall, CE	D	W S G A	J. Lewis	B
800	W C C M N. Round, CE	J 1410	K R I G	R. Mettler, CE	B
	W T M R S. A. Virgillo, CE	E 1420	W H B N	T. Devine, CE	D
850	W Y D E J. E. Gray, CE	E 1430	K C P O H	P. Eley, PD	B
860	W Sh B S T. P. Jaworski, Nx D	J 1440	W J B Q	R. Duncan, D, Rcptn Rpts J	
	WfG OmM W. E. Loucks, CE	N 1450	W H D L	D. McLean, M	K
900	W Fq R O S. Bristow, CE	I 1460	W Aq X C	F. Scheidt, ESu	K
920	W Tq T M R. Simpson, CE	G	W C M B	D. A. Michael, ACE	J
900	W K X A R. Papper, GM	N 1480	W Lf E E	u/u (sticker)	B
	W L S I N. Beaty, CE	D	W B L U	A. L. Edwards	B
930	W W N H J. Chick, COp	I 1490	W O S H	J. P. Wittenmeier, CE	B
950	K JfR L. Hurley, TD	C 1510	C K O T	R. Iamers	B
960	W Hq Y L B. R. Greenway, CE	D 1520	K Cq M A	T. Riddell, GM	F
	K F V S O. C. Hirsch, P	G	W T H E	R. L. Winslow, GM	J
970	W Wp D J J. R. Galbreath	N 1530	W P N O	D. Dean, PD	J
	K F E L D. Wayne, CE	I	W B C W	K. M. Orange, CE	D
980	W Rq C M. Enghauser, CE	K	W K D C	G. Webster, CE	B
	W C A P T. Cohen, CE	J 1500	K O K N	G. Gilbert	I
990	W C A Z J. Nutt Jr., GM	G 1540	W Pq T R	J. J. Cruise, CE	H
1000	W K Y B D. H. Hastings, CE	E	K G L A	S. Giangrosso, M	B
	W L M S W. E. Mann Jr., Opns	E	W T K M	R. Feutz, CE	B
	W S U M W. Hull, CE	E	K Z R K	J. Brashears	B
1010	W Ict L L. Klotz, TM	I 1550	W P T N	C. Slezak, ACE	D
	W B I X R. Hlubek, WE	I	Cq Bm E	M. Piche	H
	W E L S J. Hankins, GM	I 1560	W K D O	C. Merky, M	D
1020	K Dq K A u/u	H 1570	C Kc T A	u/u	F
1050	W S E N J. Burgess, CE, GM	G 1580	W K U N	F. Rowe, PD	I
1070	W K D R R. Black, OpM	J 1600	C H N R	R. Hart, PD	K
	W Iq B C R. Brockway, CE	K	K T T N	A. Morris, Mx D	A
	C Bq A B. Beauliel	H	W Kq W F	C. Lowe, CE	B
1080	W V C G E. L. Millrt, CE	G	W N S T	E. Walters, CE	B
	W J O E J. Barnhill, CE	C			
1110	W Bq T u/u	H			
1140	W Cp J W J. B. Weeks, GM	N			

We have a lot more v/s on hand, and will have them for you as soon as we can.-ERC

Prefatory to embarkation upon a review of the comments received during the past seven days on our current "hot potato" issue, a couple of things should be made clear for the benefit of members who've joined since last June, and for those of you who may have forgotten: NRC has recommended (after lengthy discussion & solicitation of opinions) guidelines vis-a-vis MOVING PERMANENTLY from a given location as it relates to totals and supremacy ratings, and both SR editors are abiding by same, each in their own way. Norm Maguire runs all locations together or one only if sent. Bob Karchevski will be doing an annual edition of DSR which will be a life-time sort of thing, as opposed to the current and regular "one-location" type of thing. For those who might wish to read the relevant stuff from DXN at that time, the references are: Vol 41, #s: 23, p. 47 & 26, p.36. I believe that Bob K. has the originals of the replies to the #23 comments. - RJE

We now move on to comments received from members on the issue as it DOES NOT relate to permanent moves, which aren't dictated by DX reasons (alone) anyway.....

From Jim Hagan: "I am in complete disagreement with anyone who moves his location far enough to really change cx such as getting a few miles farther from a local, or out of a sharp null of a highly directive pattern from a desired DX goal, etc. I move my rx a distance of 1 block, but not out of any such desire to change cx as per above. It is very inconvenient to do so, but DX from my house is all but impossible due to being surrounded on four sides by 13,200 VAC line, which is very noisy and screens the house from signals, .... as well as makes good loop nulls impossible. If anyone thinks this is fun, I invite you to explain it to a policeman at 3 am in the rain in a churchyard....."

From Ross Hansch: "I'm glad to see we're finally discussing this in DXN. Now maybe some people can move 50 or 100 miles and not feel guilty about not starting over again." ( This included because it's typical of those we're not running because they deal primarily with MOVING.

From John Callarman: " I've always felt that the actual location should be the controlling factor, but I've modified that even more to the current permanent location..... Unfortunately, some people's jobs require that they move a lot, and one really doesn't want to have to verify a state over and over again. By the same token, however, having my Oregon totals bunched in w/ mine here isn't quite right either. For cumulative totals,..... a very weak case can be made for counting stations heard while travelling or at a remote location on a car or portable radio, and no case at all for something heard at another DX'er's shack on his equipment. My veries from other locations make a nice collection, but that's about all. "

That's all we have now that relates to the non-moving aspects of multiple-QTHes. Frank Dailey's piece is featured elsewhere herein, as it is lengthy.

NJPC has said about all we can or are going to about this save for about 2 sentences which we hope will put it all into perspective and reduce the argument to its most salient point: we ask all members to ask themselves this one question. "Is the hobby of DX'ing based on the premise of sitting in your QTH at your receiver and waiting patiently for as long as it takes to hear a difficult DX catch, or is it based on not waiting and taking your receiver closer (or to a more optimal place) to the particular target station?? We know what our answers are.

Once again the pages of DX News contain the controversial point as to what constitutes a valid logging. This controversy exists in full bloom despite over ten hours of discussion at the NJPC Get-Togethers in May and November. At these meetings, many facets of this issue were discussed but the most agreed-upon areas were that our club recognises DX'ing as an individual activity and that the NRC will not attempt to legislate RULES for the DX'er on his own in this regard, but will publish guidelines for review and interpretation by the membership and to be applied in reporting to the club's columns. The second area was that deliberately taking or implying credit for or reporting of any unethically-received signal is misrepresentation and is therefore unacceptable to the Club, the DX Columns, and the membership.

This fosters the question: "What constitutes an unethically received signal?" In my opinion, to properly answer the question, one must return to the birth of DX'ing when an individual would try to hear distant stations on a crystal set in his home. Now at that time, it was totally illogical to travel ANY distance to hear a station. Later, with the introduction of directional antennae, the breakdown of clears, the adoption of NSP by broadcasters and the multiplicity of regionals & locals one could hear un-logged stations at only a short distance from his QTH.

The NJPC has suggested that any move which changes conditions to a substantial degree is unethical for logging and reporting. NJPC also suggested some possibly appropriate mileages for various parts of the country. While these guides are better than what existed before, I do not agree with them entirely, but do endorse them as a vast improvement and a step in the right direction.

DX'ing is an activity which originates from one saying, "what can I hear from this QTH". It is a point on a map, not an incongruous zone that radiates in the direction one travels. It is an activity in itself, one which requires one saying "wonder how conditions are tonight", firing up your receiver, and digging through the noise, locals, NSP'ers, and sitting on a vacated clear waiting sometimes for hours for a loggable item to surface from a directional station which only puts 35 watts your way. This would rule out any "mobile" loggings as your activity is travelling or driving, and not DX'ing. The rewards and the satisfaction originate from overcoming the obstacles at your QTH and logging that much wanted station. No satisfaction can be derived from eliminating those obstacles by travelling ANY distance to hear it. Were it otherwise, the hobby would be station listening, not DX'ing. One would travel all over the country to log and report stations. Theoretically, an ideal occupation for an individual with this inclination would be a truck driver. I therefore think that DX'ing (for the log) MUST be limited to one's own QTH. Anything else would be less than DX'ing, and would be an insult to those who have fought the problems and logged the tough ones WITHOUT TRAVELLING. Additionally, I wholeheartedly support the restrictions on publication of items which might be unethical. Although it is an individual hobby, the competitive nature requires that a basic set of universally accepted ground-rules be established by and for the membership. The individual would still have his options available for his operations in private, but would also know what is acceptable for the DX Community with which he must ultimately have contact.

The NJPC and the Connecticut Convention Committee (CCC) will discuss the merits and possible format for a session at the Convention to discuss and hopefully resolve this problem. This opening of a Pandora's Box would discuss the problems, submit proposals for adoption, and set official guidelines for the NRC's use. In that this will effect the entire membership, the only logical place for such a meeting would be at the Convention.

If you have comments concerning this proposal, let HQ know how you feel about it. If you cannot attend the convention, your comments may be addressed to the Committee c/o NJPC or this writer.

editor Ernest R. Cooper  
7A Washington Ave., Apt. 7  
Provincetown, MA 02657

## musings of the members

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, the publishers, or the National Radio Club.

**MICHAEL COLLINS** - Apt. 506 - 600 Asylum Street - Hartford, Connecticut - 06105  
The WCOM-860 TEST was heard fairly well here on MM 1/6. Tries for WHA-970 on 1/13 & KQWB-1550 on 1/14 were in vain, however. On MM 1/13 I did hear WEEL-1310 Va. in quite strong using regular rr format but mentioning they were testing on 5,000w day pattern. WWRL-1600 all alone was like WKBW/WWVA etc. really strong w/no interference. Also WENX-1380 was in weakly. WGBB-1240, L.I. was all alone here, so WWC0-1240 apparently is off MMs. WWRL & WHOM-1480 seem to have better nighttime signals here than in Stratford, apparently because up here I'm only receiving skywave, whereas in Stratford, both ground & skywave were canceling each other. Listening to WENX reveals that Jonathan Joe Crane, AN for many years on WNJR is now AN at WENX. His show is syndicated to WINF-1230 12-3am here in Conn. too. WMAS-1450 has switched format again & is now contemporary MoR w/some oldies. They have dropped c/w entirely on AM & FM. After mentioning in last Musing that WERI-1230 is one of the few still with HI, they dropped it around 12/31. It now carries Hit Parade, the Drake syndicated automated service AN. In answer to Dan Phillips' query about Jack Wheeler of KDKA, he has moved to WEEP-1080 as morning man. KDKA went to court to try to keep him from going, claiming it had promoted him & made him a star in Pittsburgh, but the court upheld Wheeler's right to move. WDRC-1360, long known as Top 40, downplaying NX, are now doing 30 minutes of NX 6-6:30am Mon-F 1. WGLI-1290 L.I. has switched to all-MoR like Sinatra, Streisand, etc., a unique format these days. Kind of ironic, since WGLI was THE pioneer rr on L.I. I can remember listening to them when they were simulcast on WTFM-103.5. I couldn't hear WGLI-1290 then! I was really interested that Frank Dailey apparently pulled in KPNW in Preston Conn. Also I've been very interested in ERC's catches since moving to the Cape. I remember daytime DX-ing in Summer '69 in Truro on Cape Cod & hearing all kinds of unexpected things, like CFBC-930, WICC-600, WING-1600, WSMN-1590 really strong, & many others.

**ALAN DAVENPORT** - 31 Madison Drive - Ogdensburg, New Jersey - 07439

Interest re-sparked after CPC reception success & call to Wes Boyd. I'm DXing daily again, like last Summer. To DX (because I usually talk too much): 1/3- WBEZ-1360 N.J. for N.J. #18 (I've got that many from O. & 67 from N.Y.), thanks to Joe Fela for f/c list. They IDed @ 12:25 & full ID @ s/off @ 12:30am. 1/13- WAJR-TEST weak w/only one ID heard @ 12:42am. WCSI-TEST, incredibly strong c/CFRB w/an ID @ 1:20 all alone. 2am, WRC-980 D.C. 1/14, 11pm- WCSS-1490 N.Y. s/off-SSB. 1/15- This must have been a fantastic AM for TAs. Audio on 1586 w/selectivity on 3k (wide open) as good as WQXR. I noticed the CX while looking for TTer's & found a het on 1440 which sounded like a TT but was Luxembourg-1439. This AM WNNJ (my only local) was testing. I first heard them @ 12:20am & they continued until I sent to bed @ 1:10 w/bass TT, 1k, 10k (which looks like an OC to me one channel above or below the TTer's channel & TTs of other pitches plus "air raid" tones & OC. All this detail because I know some are after this station & when they IDed they just said "This is WNNJ, Newton, testing.:", easy to miss. They also didn't ID @ 1am. In case you're wondering why I didn't chase the TAs, at my location I've only heard audio twice counting tonight so I've given up on them. 1/15- WEYY-1580 Talladega, a real shocker as they are lkW daytime only. They were up for four songs @ 5:50pm w/c/w. 1/16- 5pm, CKNX-920 w/NX/WX/sports. Pirate on 1630A rebroadcasting WDRC-FM, noticed @ 5:30pm when switching bands on the HQ-180 & tuning towards 1500 from above. In till tuneout @ 6:15pm when heavy QRN came in - gone next PM though noticed in afternoon by a friend, an independent DXer whom I can't get to join. 1/17- WKAZ-950 W.Va. 1:15am & WWJ-950 Detroit 1:30, w/WPEN off. Thanks to RJE for tip. 11pm, CKPC w/rr (I think they were the one w/rr) 1380 up briefly. I welcome calls (no collect calls) after 5:30 pm weekdays and noon weekends, so don't be afraid to call. If any of you would like to increase your selectivity you can get Q-Tips from your local drug store! Also if you hear Alaska 12-50. Totals 330/37.5 & 4/2.0. 73 (or is that 73's?) (73 means good-bye, so 73s means good-byes! -ERC)

**RICK HEALD** - 17412 Rolando Avenue - Castro Valley, California - 94546

Since no one else from the WC has Mused recently, maybe it's time I help get the ball rolling. Thanks to all who came to the "get-together", 12/28 in Castro Valley. Most distant DXer there, San Diego's Randy Seaver. DX continues to be "ho-hum", nothing spectacular. Of course, with 95% of the TESTS sked for the EC, few of them have made it through. I wholeheartedly agree w/RJE, re TESTS from NSPERS, i.e., KAFY, KCRL. If one doesn't hear an NSPer on RS, stands to reason you won't hear 'em on a TEST, so they shouldn't really be listed w/TEST sked. TP DX really falling off of late. I hope Wilkinson is hearing 'em, 'cuz it's nearly nil here, except for the regulars: China-1040, N. Korea-655, etc. WC-ers, have you noticed lately there have been few Muses, even less contributors to IDX from our area? True, 85% of the membership is E of the Rockies, but for the remaining 15% out here, let's let ERC, HWB & JS know we do exist. After all, ERC has to have something to do during the Winter months on the Cape. By the way congrats, ERC on your retirement. No more daily subway crunch, no more local spurs, harmonics, apartment house noise, etc. But come Summer---? When do you want the keg of cerveza delivered, hi. Re TESTS, I realize Summer CX back East are at best crummy, but out here, relatively little change. How about some TESTS for the Summer months? Since we have rainless Summers, a thunderstorm makes front page news, they're so rare, no radical WX changes, etc., it might well be worth seeing how well daytimers on a TEST travel up & down the coast. Charles Wolff & I are working on a few now w/CPC letters. CE at XEROK is a DXer, gang. His rig, Hammarlund HQ-129X. I'm sure GARY KEENER might appreciate some NRC info TESTs: KCCS, KQXI, KGHO, only ones to make it in this season. XEB really trounced all over KCCS; WOKJ about even w/KQXI. Oh, KDLT also very good, but then they're in every morning @ ISR. Shaft, your het on 910 is obviously your second harmonic of the IF frequency of 455. ARB to rate on 24 hour basis? Look on the bright side - it may break a few stations. To all my former correspondants, why not drop a line? Until next time, 73. (Cerveza welcome 12 months a year, hi -ERC)

**HANK WILKINSON Jr.** - 384 Rockgreen Place - Santa Rosa, California - 95405

DXing from this area on MM 1/13 was very good to the E & to the S but nothing to the W except KORL & R. Tarawa. Not one Asian audible up to 4am when I went to bed. Unusual here. I managed to log a station in Colombia on 1180k for a new one here - amazing volume until VOA-Marathon s/on. I received a fine letter & two veries from South Korea from a fantastic DX session of 11/25. (See Foreign DX Section). Radio stations in South Korea are quite prompt and courteous on replies to reception reports. I should be DXing with an SP-600 next weekend. I would like to hear from DXers who are using this receiver. I would like to see more Musings and reports in DX NEWS from West Coast DXers. I'm sure there is more "Action" out here than is being reported. 73.

**MORTON D. MEEHAN** - Box 664 - Yucca Valley, California - 92284

At the witching hour on 1/14 I fired up the embers in my Franklin stove with a couple of small logs after leaving a warm bed on a 3<sup>50</sup> morning to find out the KQWB TEST could not get through KKHI & a Mexican on RS. Switching to 1560 I heard KPFC s/off @ 3:08 & found nothing on the channel. Was KCAA off or do I have limitations? That was the only channel without a signal. Even WCBS & WCAU were audible. How is a guy to DX under these conditions? And so to bed. I find daytime DXing more fun, more profitable, and more comfortable. An example - 12/23, I nulled KIAC (100 miles) and copied 100% KCW0 (575 miles) on 570k from 2:50 to 3:30pm for verie #4 from Yucca Valley. A prediction about ERC's new location. I figure it will change him to a Foreign DXer with all those TA & SAs coming in, he won't be able to hear trans-U.S. any more. Sorry to hear Bernie Duffy is leaving NRC. I remember meeting him several times almost 40 years ago. Guess we both have been NRCers since the late 30s.

**BILL PASCHKE** - 514-B Portland (rear) - Beloit, Wisconsin - 53511

"MNI" is the age old DX term for "many". Thus, MNI IDs would mean, "many IDs." (Big deal - it saves ONE letter and necessitates capitals - ERC). What's "NN"? (Negro programming, alias Soul, or Rhythm & Blues -ERC)

AFTER THE NEXT ISSUE, THERE'LL BE A WEEK'S REST AS WE CELEBRATE PRESIDENTS' DAY. SO, THOSE OF YOU WHO DO NOT WRITE IN, WHY NOT SPEND THE TIME THAT WEEK WITH NO DX NEWS THAT YOU WOULD HAVE SPENT READING IT, SENDING IN A DOUBLE-SPACED MUSING?

BILL HARDY - 2301 Pacific Avenue - Aberdeen, Washington - 98520  
 The Case of the Mysterious Missing Musing has been solved! I air-  
 mailed a Musing to ERC in Brooklyn on 12/9, figuring it would have plenty of time  
 to get there for his 12/12 deadline. It came back on 12/23 (the MM before Christ-  
 mas) stamped "moved, not forwardable." (The Brooklyn P.O. was instructed to for-  
 ward ALL first class mail for up to ONE YEAR! -ERC) I put ERC's forwarding ad-  
 dress on it & threw it back in the mail, but it came back 12/26. My postmaster  
 says mail returned to sender is not forwardable. I decided the Brooklyn P.O.  
 shouldn't have returned my Musing since they undoubtedly had his forwarding ad-  
 dress; the Aberdeen P.O. sent my letter to Brooklyn to find out what was going on.  
 Evidently it got to Ernie as the Musing appeared in the 1/13 DX NEWS, so on we go!  
 At least I didn't REALLY send anything to "Connecticut", hi! 12/16-7:10-7:11am  
 WCLS-1580 atop w/average signal, sports, SID & rr. 12/23-4:53-5:00am KCNO-570  
 TEST was excellent w/strong KVI nulled, Christmas & rr. mx. Tey s/off 5:00.  
 KCNO never heard on RS before. 5:11, CKPG-550 in fair while looking for KAFY  
 TEST. Loud TT u/CKPG, but it looped E so it was more likely KBOW than KAFY. 1/1-  
 KMER-950 7:15pm s/off very poor u/dominant KBRJ w/KJR nulled. KMER may have men-  
 tioned Intermountain NX just before s/off which ended w/a short SID "Have a Happy  
 Day." 1/2, XERPM-660 I&C 2:19am w/R. Juventud SID, SS announcements, & EE rr.  
 1/8- KTYN-1430 2:05-2:14am TT good-to-fair u/KLO/KARM (maybe KBRC also) w/breaks  
 in TT each three minutes, very poor audio. Seemed to s/off 2:14, lots of KLO IDs  
 made it rough copy. 1/12-3:04am CKKC-1390 ending NX, ID for CKKC & CKRC-1340,  
 GOOD signal, KBLW nulled & no sign of KGER, this after KSLM s/off. 9:30am, KLEW  
 -870 ID after religion, all alone, average signal. 10, KXXR-1440 ID "Double-X  
 Radio for the Inland Empire" fair u/KODL/CFCP; possible only SM w/local KEKW-1450  
 off till 10:30. 8am, KOMW-680 s/on after SSB, good signal w/KNER nulled & fading.  
 Gave power as 5kw, so CP is on, then a local religion program. SM s/on was 15 min-  
 utes after real SR, so probably off till 11am ELP every SM. Much wanted, as I nev-  
 er did hear them w/lkw. Totals through 12/31: 582/36/5/15 heard, up 108 statbns,  
 five states, & five countries from 12/31/73. I got ONE verie in 1974 (my second)  
 from KXRO-1320 a local, mostly as a gag! Their CE is a ham friend of mine. CUN7.

BRUCE REYNOLDS - Route 2 - Warrensburg, Missouri - 64093  
 DX: SSS 1/8 featured a definite opening to the SE. WRGA-1470  
 in as early as 4:38pm. WVOV-1000 o/WQTY 5pm w/no KOTD nor WXIN. WDXN-540  
 peaked o/WDAK @ 5:45pm in KWMM null. Then one of my most-wanted, WGT0-540 o/  
 WDXN 5:53-6pm s/off. 1/9- WRAY-1250 o/WREN several times 5:30-6pm s/off, KDMS-  
 1290 & KIVY-1290, both new, noted 6:04-6:30pm w/KTFN QRM. Usual pests KOIL and  
 KUQA no problem. MM 1/13- WCSI-1010-TEST u/CFRB w/rr & TT, peaked nicely @ 1:36.  
 ID on ET from WQEX-710 @ 1:55am o/WOR & others, WHB off. WILL-580-TEST u/WIBW but  
 fairly readable, a much-wanted one. WIVS-850-TEST easy w/HJCK QRM. WHA-970-  
 TEST had much XEJ QRM, but warch mx & TT heard. No chance for WITY-980-DX as  
 KMEZ was going strong. I forgot to try for WJR, so it will probably be the only  
 NNRC DX to show this year, hi. (Yep - they did! -ERC) In the greatest coinci-  
 dence of recent memory a v/l arrived on 1/13 for a late October report to WHA! At  
 least it was before I sent a report to the DX. I still sent em a card, though.  
 Veries: v/l- KWPR KSTN KINN WZ WRAY KDMS v/q- KPOW. v/c- KJJS. Total to  
 1,024. I was interested in JAC's comments on 900. Here, 1420 is an interesting  
 daytime & SSS channel w/no really dominant daytime regular. Sometimes heard are  
 KXOW KJCK & WOC. Also, recently, KBIN. It's strange about them, though, as they  
 used to be very tough. Then I got 'em verified & I hear 'em all the time!  
 Isn't DXing a ball? Hi. 73.

THOMAS M. CAGLEY Jr. - N364 Hillcrest - Iowa City, Iowa  
 Since I last Mused things have been wild & woolly to say  
 the least. I have DXed quite regularly & in doing so I have added 47 new stations.  
 That leaves to old totals at 83 heard & 23 veried. Recent verifications have  
 been WELO Tupelo Miss., KOSE Osceola, Ark., KSL & KDAP. Things went bad earlier  
 in the week after I unpacked my radio. It seems that during Christmas a rather  
 loud buzz has entered the dorm but I cut it out w/an AC line filter. I seem to  
 have gotten myself three DJ spots on our school radio. The only problem with this  
 is that the spots are from 6am to 8am. I'll live. "73"s.

WE HAVE HAD SOME FINE DX TESTS LATELY. WE RECOMMEND TO ALL WHO TRIED AND DIDN'T  
 HEAR ANY, OR WHO DIDN'T GET TO LISTEN, SEND THOSE STATIONS THANK-YOU CARDS TO SHOW  
 THEM YOU ARE INTERESTED AND THAT YOU APPRECIATE THEIR EFFORTS ON NRC'S BEHALF!

RONALD F. SCHATZ - Box 592814, AMF - Miami, Florida - 33159  
 Peace on you. For those wondering about my absense from act-  
 ive duty, I only speak when I've got something to say, hi. Actually, I've been  
 awful busy, so much so that I've had to quit my DXWW editorship to leave slack  
 for scheduling. Even the conventions may be out for me this year; even if I can  
 attend, a potential trip to Curitiba in October would preclude it. I just had to  
 do SOME DXing, however, & the band is starting to show some promise again. R.  
 Nacional, Brasilia-980, & believe to be 300kw, has been all but blasting in each MM  
 & other AMs, 12-4am. It's an experimental programme, & they ask for reports.  
 They play Brazilian MoR & usually ID simply as "Nacional - Brasil." Buenos Aires  
 on 1030 also about the same time, with frequent WX reports with temperatures in  
 centigrade. A new Haitian eves is Artibonite-895 in Gonaives, wrongly listed on  
 805 by WRTH. R. Ma acay is now 920, ex-930, but still gives the old frequency.  
 Sutatenza-960 in Magangue is DELETED. Unk Nicaraguan on 1375 eves. Unk "R.  
 Eco" in Venezuela on 740, noted 12/10 AM w/cuckoo TOS. "R, Mil en Managua"-  
 1004 noted late eve 1/3. And XERH-1500 is now IDing as "Radio Seis" (6). Dur-  
 ing 1975, note all Cuban stations IDing with "en el ano del Primer Congreso (del  
 Partido Comunista de Cuba)". I just finished overhauling my R-388, now it looks  
 & works like new. By the way: In my Collins RK review article for the new RK  
 booklet, only the R-388 & the R-390A are covered, not the R-390. The R-390A dif-  
 fers from the R-390 by having mechanical filters. The KSCA plans will appear  
 soon - hopefully, but I must find time to test out a major, final modification.  
 The article itself is all but composed, so get saws & soldering irons ready. And  
 the LA Log project is about to come into full swing an official report will be  
 coming shortly. Any volunteers to convert the MexiGlenn List to punched cards?  
 Scapbox Time: It has been mentioned that there has been a paucity of technical  
 articles in these pages as compard to previous years. Primarily this is because  
 the major contributors of these articles have found their hands full with inter-  
 fering responsibilities, thus lacking the time to write more articles.

WAYNE MURPHY - 1411 Phyllis Avenue - Louisville, Kentucky - 40215  
 Greetings all. Two new states added in the new year, now I'm up  
 to 38. 1/1- WPRJ-1310 @ 4:30 s/off - map says 5:00, so apparently another first  
 -of-the-month screw-up- put N.J. on the log for the first time. 1/9- KOB-770  
 finally made it in, 6:45pm, w/WABC gone in Aurora. New Mexico has been particu-  
 larly frustrating, since Texas right next door has 40. The last of these was  
 KR0D, El Paso, which is farther away than 90% of N.M.! It proves distance ain't  
 all there is to state hunting. I've been doing a little reasearch and found Ken-  
 tucky really missed the boat when the night CPs were handed out. Only TWO sta-  
 tions in the state with at least 5kw, WAVE & WHAS. Only Vermont & Wyoming have  
 fewer! On clears and regionals, Ky's 14 night operations rank above only Arkan-  
 sas (11) and W. Va. (12), of neighboring states. In fact, most pests here come  
 from other states, w/Ohio being the single worst offender. The only real Ky.  
 pests are WVJK, WVJS, & WDXR (& locals, of course). Theoretically then, this  
 should be one of the better DX locations in this part of the country. I certain-  
 ly hope Columbus gets the nod as this year's IRCA Convention site. Gary, Dick, &  
 I have all expressed interest in attending it if it is held there. Johnstown is  
 a possibility as well, though that's quite a drive. Not much chance to go to the  
 NRC's in Hartford though, that's just too far away. Had I joined the Club a few  
 weeks sooner I probably would have made Toledo last Summer. Oh well, maybe some  
 day there'll be a Convention in Louisville! Remember, IADS also means: Let's  
 All Double Space. 73. (How about you Louisville lads hosting one, Wayne? -ERC)

PHILIP BOERSMA - 15570 Cleveland Street - Spring Lake, Michigan - 49456  
 Hello again. As of 1/16, WMAQ-670 is c/w. It will be interest-  
 ing to see who wins the ratings war for c/w audiences in Chicago, WMAQ, or WJJD-  
 1160. WJJD has been Chicago's only c/w station for ten years, & probably has a  
 loyal audience, but it is a limited time station & must s/off at KSL's sunset,  
 whereas WMAQ can - and does - go AN. They are keeping their MM SP, though). CX  
 have been Auroral lately, with stations to the SE & S dominating. The NRC TESTS  
 have had very good results here - see Wes & Jerry's column for the ones I heard on  
 1/20. Well, that's a 1 I have to say for now, I guess. Tapesponders and hav-  
 itual letter writers, welcome. 73s.

BE SURE TO SEND THOSE THANK-YOU CARDS TO STATIONS PUTTING ON TESTS THAT YOU DID  
 NOT HEAR. REMEMBER, GOODWILL IS SOMETHING THE M.R.C. NEEDS WITH THE STATIONS!

RICK EVANS - Box 392 - New Buffalo, Michigan - 49117

Ernie, are you feeling homesick yet for Brooklyn? (Not a bit -ERC)  
This is my first Musing in ten months since I've just started turning the RX back on again. Just too much work at times getting the new office organized and running. DX: 12/30- KRJS-1420 OK on their special, bombing in here 3:45-4 o/WHK w/phone calls, IDs, mx & WX. WBGR-1440 Ky. s/on-SSB @ 6am, then buried; KQYX-1560 Mo. s/off-SSB @ 6pm fair u/WQXR; KXOL-1360 Tex. 6:27-6:37pm fadeout w/TK, NX, spot for Texas Electric Service, sports, WX, rr. 12/31- I finally logged the new WKDC-1530 Ill. in here real weak u/WCKY. I managed to get a report out to them listing several spots, but was unable to tell them the name of a single sponsor! I did get a partial address on one though, plus a clear ID @ 1pm. They run AI NX, by the way, 1/1- WVOK-690 Ala. I&C w/top songs of 1974, all alone @ 5:40pm; WAWA-1590 Wis. s/off 5:47 weak mentioning FM, in Milwaukee. WRUS-610 Ky. spots, then s/off 5:58-6pm weak u/WDAF. 1/4- WFUR-1570 Mich. 5:10-5:20 w/c/w fair o/u WJVA. WAIK-1590 Ill. spot 5:46 & 5:48, s/off @ 6, weak u/WAKR/WSWW; KWMT-540 Ia. s/off 6:16pm. 1/6- WGOM-860 in on special 2:57-3:08 TT & mx, poor/fair u/strong XEMO. 1/13- WCSI-1010 in on special, fairly strong mixing w/CFRB w/a decent signal, turning mx, TT, nice short IDs; WAJR-1440 W. Va. ID only on their TEST, 2am WCSI had to be a fluke - logged on 1/13, it was #1313 for me. Veries since moving to New Buffalo - v/q- CFCO. v/r- KDLT. v/l- KRMO WKDC KQYX. v/r- KMBZ. On starting over after moving, I didn't after coming here from Gary. Most stations didn't change, & those dominants which did shift were all verified from Gary anyway. Only one graveyard frequency is different - 1340 - which is now so, id WTRC as opposed to WJRC/WKIT before. WNDU-1490 is stronger than before, but I still wouldn't consider it a good signal. Did you start over again, ERC? (No! After 42 years of DXing, I should go back to #1? Not me -ERC)

LOWELL E. McCOWN - R.R. #1 - Prestonburg, Kentucky - 41653

During the past month I have had quite a few days off from school - from 12/17 to 1/2 for Christmas vacation and all the week 1/6-10 due to hazardous road CX. On 1/12 we had a 9" snowfall, the largest in about ten years. It takes about a month to melt that much snow off the ground here in the mountains. I have stayed up a few MMs, but haven't heard much except a lot of noise & TT that don't ID. I am having a good time with daytime DX. On several days near noon I have been able to hear a station on every frequency but 1200. I rarely hear WQAI there; I suppose there are too many hills 'tween here & there. My most distant daytime station is WCCO-830 which is about 725 miles. Also WBZ is second at 700 miles. Another good catch heard at or near noon is WKNX, Saginaw, Mich. WWOL, Buffalo, has been heard @ 10am sneaking through KMOX. I enjoy parking on a frequency which has a 50kw station & pluck out the small, anemic signals from behind the BIG ones. MMs don't sound much different from weekday mornings, with the exception of the clear channels, of course. Stations to the W of this location are almost non-existent as far as receiving them goes. In looking back through my old verie coll ction and log from the early 50s I was able to hear the WC area during the weeknights - stations from 1-5kw, & even have several 250w from the Western states. No use longing for these days again, hi. My RX is an SP-600 JX & the antenna is a 200' LW about 75' high. I have a spiral loop but can't use it. When I moved to this house in May '74 it had a tin roof. That affected the loop but I still could use it. In July '74 the landlord decided to put aluminum shingles on the house. That rendered the loop all but useless; now it is retired. (Not EVERYTHING retired is useless, hi -ERC) It has been so long ago since I last reported to "Musings" that I doubt any of the bulletins are still in existence, hi. At the rate I report, my next one will be in 1995. 73. (Welcome back, Lowell, and here's wishing you two happy decades till '95! -ERC)

CLAY ADAMSON - 103 West Main Street - LeRoy, New York - 14482

102 new stations logged in 1974 for a total of 577 new stations logged in the first half of Jan. '75. WATR-1320 Conn. @ 5:35pm on 1/2; WIRV-1550 Ky. f/c @ 2:59am on 1/4. WEMB-1420 Tenn. @ 5:40pm on 1/5. WMLO-1570-TEST ID @ 1:33am as experimental broadcast - only TEST heard on 1/6. WAPE-690 Fla. ET w/50kw 2:43am on 1/7. KWWL-1320 Ia. @ 8pm on 1/8. WDAL-1330 Miss. @ 6:15pm s/off on 1/9. WKUN-1580 Ga. @ 8:54pm w/severe WX warnings on 1/10. WNHC-1340 Conn. @ 1:35am on 1/12, also WIRV-1340 N.Y. @ 2:33. WILL-580 Ill. TEST @ 2:04 for only 1/13 TEST logged. 1/14- 940 TEST not logged; presumed TT heard was WWSW, off @ 1:08am. WSCP-1070 N.Y. @ 4:30pm on 1/14.

RAYMOND ARRUDA - 6 Wilbur Avenue - North Dartmouth, Massachusetts - 02747

I have been trying for the TESTs only of late. On Sat. morn 1/18 KWMT TEST was heard & reported. They played some old c/w mx favorites & had numerous voice IDs w/TT last ten minutes of program. Some QRM from WDAK. MM 1/20- KSWM, KPOC, KMIN TESTs were tried for but not heard. WINE, WFAR, & KBEW TESTs were heard. Except for when WINE was on, 940 was pretty well covered by WINZ & another station. New stations for the log: KWML, WESC (for r/c, thanks to a tip from TRS) WILM, WEEU, & WFAR. I received my quota of one verie for the week: WGOM sent letter, CM & SC for TEST. Several members did hear the WMLO TEST. I'm less than 100 miles away & did not get them. I must have been listening at the wrong times since there were other TESTs that morning. WMLO is yet to be logged here because during the day WPEP in Taunton is on 1570, being only 28 miles N of here. Harry J. Hayes: Your tentative of my local WNEH-1340 was probably the station you heard 12/15 @ 11:30pm - I'm pretty sure. They do play one new & one old & ID "One on One - WNEH." They are NSP now. 73

GEORGE KELLEY - 118 White Street - Belmont, Massachusetts - 02179

Hiya kids. Once again I return to the ranks of DXers only to find CX poorer than when I left. It really is a bummer when I check my logs from two years ago & I find my last entry was Israel-737 killing Barcelona. New RX is a Collins R-390, which is easily the best set I've ever owned. I'm using an SM-2 for the present until I get a box loop constructed, also a 250' LW. Not too much time for DXing recently because of work and the constant landlord hassles I've been going through lately. I should be able to hit the dials very soon however, I left WEAN-790 last May when it became apparent that the only way I could stop spending my hard earned bucks at the Pilgrim Hotel across the street was to leave town. Management also got upset about my suggesting a trade-off for advertising with the Pilgrim. Broadcast management is awfully conservative. So WHDH-850 made me an offer I couldn't refuse. I started as an XR engineer and after seven months I finally got transferred to the studios. I'm working the board at midnight s/off on Sunday nights & I try to add some humor to the s/off procedure whenever I can. You can send your reports to me, but please make them good, so far I've seen about one good report on ten from domestic DXers. My totals are 741 stations and 72 countries heard. ERC, welcome to the Bay State and sorry about my employer having the strongest signal at your location. (Hi, George & sorry right back atcha - he doesn't, hi! -ERC)

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830

1/12- WJBJ-1440 @ 7am w/a Bible story hour, & Wolfman Jack for a new one, u/WAAB. 1/13- WFBL off 1390, WFMJ TT @ 1:50, & WCSA AN show. WFBL heard s/on @ 4am. WIVS-850 TT & IDs about equal to KOA till KOA s/off 2:10, then WIVS disappeared also! Thanks to WHDH silent period, also QRM from HJJC & what seemed to be a Guatemalan. WINF-1230 Manchester, Conn. on AN show, gospel mx @ 2:50. CHIN-1190 Charlottetown, P.E.I. now AN & on MMs, so there goes 1190 - I hope you guys who were so happy about 10kw P.E.I. clear channel are satisfied. WRDO-1400 Augusta Me. noted AN 4am o/Lac Megantic & mystery FFC. WHA TEST covering all on 970, umm here. WWSW & SS noted after WHA s/off. 1/16- Looking for WGHY before the call changes, & I noted the following on 1380: WKTJ s/on 5:38 - I thought that was a no-no! WMIP s/on 6; WAWZ, 6:30. Also RS already @ 5:38 was WBEX. Someone s/on @ 6:05 but no ID caught on this one. 1/17- CHIN-1190 in well @ 5:30pm after WLIB s/off. I've been watching since Mon. & this is first time - just o/WOVO & WAVS - maybe they're playing with their DA. Nice verie & CM from WGOM-TEST.

DAVE SCHMIDT - 42 Chelwynne Road - Castle Hills - New Castle, Delaware - 19720

Another report for the Provincetown Flash! DX: 1/9- KXJK-990 6:08 -6:14pm, strong. WFRG-1600 6:21-6:35pm w/rr, ABC net stuff, very strong. I suspect they didn't go to DA at the right time as in w/local-like signal. 1/11- Report to WXGI-950 4:54-5:09pm w/homely country stuff, their TCs are gems! 1/13- WAJR-1440 TEST 1:08-1:21am w/mx, IDs, no problem against WILM, WCSI-1010 TEST 1:23 -1:37am w/rr, TT, in/out w/CFRB. WHA-970-TEST noted 3:36-3:40am w/WWSW at best, march mx, TT, last ID noted. Tape recording sent with that report. 1/19- CHNR -1600 12:35-12:50am w/c/w Emmy Awards thingle from last year, strong. 1/20-

(Schmidt)

Very strong jingle-record-jingle ET sounding thingle noted on 1600, 1:03-1:31am, calls in jingle sounded to be KBBB (wife thought it was also!), turns out to be KATZ, DJ noted saying he was late getting in @ 1:31am, nutz. WFAR-1470-DX actually showed up, 1:44-1:58 w/mx, code IDs, long talk on NNRC. TEST showed up fairly well, when they went to RS @ 2, they dropped off a bit but were still readable. I never really tried them in the past. Veries: v/1, sticker, & phone emergency phone card from WSIT-1520. That one makes me happy, I've been working on them since the middle 60s! V/1- WSAT-1280, WJSO-1590. v/q- WTAG-580. v/f- WGOM-860-TEST w/CM. Has the IDXD turned into a "possibility" column, one would think so after reading it. Let's keep nonsensical things out of Musings. I feel that the present abbreviations are adequate - there is no need for changes. It was good seeing Dave Fox, Tom Sundstrom, Joe Fela & John Tracey; all here 1/19, & it wasn't cabbage night either! 73s. (Huh? Cabbage night?? -ERC)

BEN DANGERFIELD 3rd - 202 Governor's Drive - Wallingford, Pennsylvania - 19086

Hello again to all of you out there in radio DX land. I'm afraid I haven't kept "those cards and letters comin' in" to Ernie, so here's one to get back on the board. I twist the dials every day, but since I kind of specialize in TAs (and once upon a time, a few TPs) this season hasn't been particularly inspiring. I have logged & verified one new station - country #115 - R. Ishtanbul, Turkey-1016, first heard 9/12 & finally confirmed in December. It came in strong all evening back in Sept. but only fleetingly since. I had my sights on this one for many ears, especially after visiting Ishtanbul in '72. I thought long distance reception would be really improved this season as we are approaching the sun spot minimum, but apparently the minimum has been delayed. Today I looked up my loggings for 1/65, & it's enough to make a grown man weep. E. Germany, Rumania, Armenia, Lithuania & Iraq were then being heard almost nightly! Currently, reception of Europeans above & beyond Spain is few & far between, which is rather unusual even during periods of high sunspot activity. I had to go to Ireland last Summer to hear Northern TAs! I spent three weeks driving around the Irish Republic, & you should have heard the evening signals from Norway, Scotland, & Germany! (Next Summer, a little DX from Hawaii - four islands & a return to England). Locally there's been an opening with WPEN-950 going off the air for several months. Now on 950, WXGI is dominant here days, giving way to WRYT later (for a while). Nights, EAJ-29, Madrid-953, is often heard. Other domestics heard of late have been WAVS-1190 @ 5:45pm s/off, WBIX-1470 @ s/off, & an FTC atop WBA-1090 @ 3:30pm on 1/4. Closing reflections: Whatever happened to Roy Millar, Roger Anderson, Dave Roys, & Don Roller? Just a few of the names missing from the roster of members. Have an enjoyable retirement, ERC! 73s.

HILL FAIR - 346 Walworth Avenue - Cleveland, Ohio - 44132

Hi. I've been thinking that it might not be a good practice to always send DX reports to CEs. When you think about it, the CE can't really confirm your reception because programming is not his responsibility. Only the PD at a station can confirm your reception of most program items. If you log a lot of commercials from a DX station, wouldn't it be best to send that station's traffic department a list of the ads you heard and ask them to verify? I'll never forget one time a few years ago when I sent a report to CHIR-730 & I got a v/1 back from the DJ who was on at the time of my report. Here's my DX: On SM 1/19 @ 2:15am I became the last NRCer to hear KKA-1570. On MM 1/20 I logged WMBD-1470 @ 1:15 am w/rr oldies & SIDs. The WFAR-1470 DX TEST was heard w/WMBD @ 1:40 w/talk about NNRC. The WINE TEST on 940 was heard good here w/rr & many mentions of NRC. At 2:45am on 1/20, WAAY-1550 was heard w/NX folo by rr. The KBEW-1560-TEST was also heard very good here w/MOR & many IDs & mentions of NRC. It got some QRM from an SS station somewhere. My only verie received so far this year has been R. Belize-834. 73.

TIM KERFOOT - 34 Cross Street -- Weston, Ontario - M9N 2B9

I have two new catches to report since last Musing. MM 1/13- CHIN-1190 noted for a good hour 1:06-2:00am, though with heavy fading & some IA QRM. I don't know if they are on RS or just testing, but they had uninterrupted mx (largely c/w) w/NX on the hour read by a female. 1/18- I finally IDed WSFN-1110, 7:29 s/on-7:42am, w/heavy opposition from KFAB & WJSM. This afternoon @ 1:45 I thought for sure I had my closest unheard, WADD-1560, but it turned out to be WBKC. All I can say is WADD must not get out very well because I have never heard a trace of

(Kerfoot)

it, & it is just slightly more than half the distance of WBKC. Yet the DX-150A brings in stations of similar power and distance with good signals during the day. Verifications received: KSUM-1370, CJMT-1420. 73.

ROBERT GALERSTEIN - 51 Fall Lane - Jericho, New York - 11753

Howdy there. I joined in Oct. but schoolwork has been burdensome. Yours truly is a junior at Syosset High, where we have a low FM station WKWZ-88.5. For amateur phreeks, I am WN2VGD. Hardware in the shack includes a Heathkit GR-78, a stereo RX, SM-1, LW, & the amateur vertical. The Heath rig seems to have superb sensitivity, adequate selectivity, plus a low audio level which leaves something to be desired. DX: 12/14- WRIV-1390 u/WBOK w/MoR, @ 1:31pm. 12/16- KKA w/f/c @ 2:30am. 1560 was busy that night, as WGLB was noted for the second time this season. CFCF-600, 3:25am w/rr. CHRC-800, on 12/23, 5:490m in CKLW null. 12/27- 2:25am, CHIR-730 w/rr, DJ's name sounded like Paul Langart. 12/30- 1:45am, unID-1460 s/off, mentions of 500w, played rr. Help? ~~WBBB-1460~~ WJNS-1460 w/rr, CBS NX. 4pm, WTTT-1430 s/off. 4:31, WCBL-1440 s/off, mentioned they serve half million people in the Pioneer Valley. 1/6- WGOM-860 TEST 2:45am, TT. 1/13- 1:15am, WAJR-1440 TEST in well w/rr 1:30, voice & code ID. 3am, WBA-970 TEST w/"Stars & Stripes Forever" ID @ 3:20. Over the Summer of '74, I DXed at camp, 70 miles N of Albany, N.Y. I also went to Iowa for a few days. I visited the beautiful CBC studios in Montreal, & also saw WIRD-920, Lake Placid, whose place is located in the Olympic skating building. WSUI/KSUI at U. of Iowa. I hope to Muse more often. 73. (Welcome to the NRC & Musings, Robert! We join you in that last hope of yours! -ERC)

DON KEELIN - 65 Hubbard Drive - North Chili, New York - 14514

I really haven't been doing much DXing due to a change in working hours. I did recently meet local DXer Jerry Bond. It was a pleasure to actually talk to someone who shares the same "rare" hobby. He has helped get a few loggings, thanks to timely phone calls, etc. Some recent loggings: 1/4- WHBQ-560 w/rr @ 9:30p. 1/5- WBRK-1340 c/w @ 7:20pm. 1/8- WNRK-1260 s/on o/everything but faded fast. 1/9- KWKH-1130 5:30-5:50om like a local. 1/11- WCRV-1580 4:30pm. WUST-1120 @ 5, soul mx, ads for local furniture warehouse in N.E. Washington. WEEB-1130 @ 5:07pm, and WJSM-1110 s/off 5:15, fair. 1/14- KQWB-1550 CPC TEST with many voice announcements, "This is KQWB, Fargo, N.D., on the air for testing." Well, that's it for now. 73s.

DICK TRIAX - 3003 Glæson Lane - Jeffersontown, Kentucky - 40299

Not too much other than routine to report this time. MM 12/30- WVVX-1430 ILL. w/ID & TT @ 2:05am on TEST. Later that day, KCLR-1530 Tex. s/off u/WCKY @ 6:45pm. 1/5- WRCM-1540 Va. w/ID over the mess @ 5:10pm, WDCN-1540 Md. s/off @ 5:15, WERY-1540 Tenn. s/off @ 6pm, KBYM-1540 Mo. s/off @ 6:13pm & KDFN-1500 Mo. s/off @ 6:15pm. 1/12- KWQA-730 Minn. noted on @ 7pm w/UPI NX evidently due to blizzard. MM 1/13- WIVS-850 Ill. w/TT & ID @ 2:06am on TEST, WHA-970 Wis. w/march mx & ID, then TT @ 3:23am u/local WAVE OC, WFIA-970 Fla. noted u/above above two @ 3:25am w/SID. MM 1/20- WINE-940 Conn. w/ID & mx in like a local on TEST. No luck on KMLN-980-TEST as WSIX & WONE were too strong. WNVY-1230 w/WX, temperature of 59°, ID & mx @ 3:15am rock solid, KPCC-1420 Ark. TEST in fair w/s/on & TT @ 3:31am, WX mentioned @ 3:32. CX only fair to average in past two weeks, at least whenever I get to the dials. I just finished addition of two BAX-1 amplifiers to loop per RJE article & it works great on the .54 to 1.32 band of the HQ-150, but on the 1-32 to 3.2 band, look out - I have images of WAKY, WHAS, WAVE & even WXVW all over the dial making reception of all but WCKY & WLOU impossible. And these two have ARX u/them. HELP! Any suggestions/remedies welcomed. Well, so much for my problems. Perhaps all will be worked out by next Muse time. More in 14.

JAMES E. CRITCHETT - 1103 North Street - Yreka, California - 96097

Between 1/7 & 1/20 reception reports have been sent to KMMT-540 for TEST 1/18, to KBEW-1560 for 1/20 TEST & to KBRT-740 Avalon, Cal. for ET IDs. Only two IDs by KMMT, & one by KBEW, with recognized mx. Verifications have been received from KFLN-960 & KINN-1270. I have been checking all f/cs listed, with very few results. SM 1/12, KOBU-1360 s/off @ 1am, leaving KHUX & KMO. KXCL-

(Critchett) -1450 was the only f/c listed whose ID I heard, 1/20. Of all TESTS sked from 1/7-20, only KMMT & KBEW were heard. Of those listed for future TESTS KIAD-960 & KCRL-780 are daytimers here; KTHE-1240 a weak possibility. The scheduling of some more that we on the WC might possibly have a chance of hearing and reporting would be greatly appreciated. F/cs heard, & those which I might have heard, but could not, have been reported to Joe Feila, up to 1/13. A short report this time - I keep listening, but nothing heard of value to other DXers. I hope for more, in two weeks. Best wishes.

JOHN A. CALLARMAN - 1122 Maple Street - Mount Vernon, Illinois - 62864

I would much prefer to be able to DX live on MMs, but since the alarm clock goes off @ 4:30am CLT six days a week, & since I average about 60 hours a week, counting night meetings & BKB broadcasts, on the job, I'm forced to do the next best thing. I pick the TEST that looks like a combination of the most interesting & the most likely and set my tape on that frequency to start at approximately TEST time. One morning, I woke up early, & was able to switch the RK from 1430 to 1420 at about the right time to get both WVVX & KTJS. On the last three MMs, I've set up for 1/6 WGOM & KFST on 860; 1/13, WIVS-850, & 1/20 KBEW-1560. Fortunately, I've got good taped IDs on each of them, w/KBEW a very interesting test, what with one ID from the 11-year-old DJ. I have no chance - unless on a fluke like WVVS/KTJS - to compensate for a no-show, or a for a bad setting on the SM-1. Incidentally, in view of the results so far, I've not set up for any of the NNRC TESTS. Other logs - 1/7 - I got full IDs from WKAR @ 4:40pm & WHCU-870 @ 5 in WWL null; & found WGCS-710 ending NX @ 5:35 w/Barry Scheff, who left KTHH for WGCS about the same time in 1966 that I left KILT for WCAS! WESC-660 in WNBC null to 5:45 s/off, folo by KOWH for good tape of complete ID @ 5:50. WLOR-730, begins s/off announcements @ 5:56:46, folo by unn KWRE. KWQA NX, w/Terry Webster, heard but no good taped ID. Nice "Radiolandia en Santo Domingo" TC @ 9:14, on 1160 in KSL null; KFI taped for collection at 9:49, is often heard in Cuba null. 1/8 - "La Voz del Heroica", Cartagena, good on 1170 in KVOO null 9:02. 1/9 - WJRC-1510 logged w/MBS NX @ 4:30, in WIAC null. (WIAC is so strong here West-directed WJNU, '60 miles away, hasn't yet been added to the log). With WIVS on 1/13 TEST were good R. Ciro's (TGX) ID @ 2:25 (if HJKC's TC earlier was correct) & WWJC strong beginning ET @ 2:28.

CARL W. LABELSTEIN - 3300 North 56 Street - Lincoln, Nebraska - 68507

So far, the New Year has been pretty good DX-wise. 1/4 brought two f/cs: WGRY-1590 Grayling, Mich. TT @ 12:55, and unn KRWY-1460, Kearney, Neb. @ 1:55. 1/6 brought the TESTS from WGOM-860, KINN-1270, & KBST-860 KFST was about 15 minutes late coming on, but they stayed on 15-20 minutes extra. Also heard were WWJC-850 ET @ 2:55, WDEE-1500 ET @ 4:28 & KXOW-1420, Hot Springs, Ark. f/c-TT @ 5:18. KBER-1150 San Antonio was heard w/an ET on 1/11 @ 1:19. 1/13 brought DXes from WCSI-1010, WIVS-850, & WHA-970. Also heard was much-wanted KWLC-1240 Decorah, Ia., s/off @ 1:59. Unn KVOR-1300 heard w/ET using rr @ 3:45. KGNC-710 Amarillo noted running AN w/CBS NX @ 4. 1/18 - Brought ET/TT from unn KWYR-1260 Winner, S.D. & the TEST from unn KMMT-540 @ 1:34. The all-new KMSD-1510 Millbank, S.C. was heard ETing on 1/19 @ 1:55am. They aren't on RS yet. Latest veries to come have been from: WJ50, KCNO, KBUG, KJPW, WJMW, KPRT, KAOK, KINN, KFST, WIAV, WTCA, all v/ls. V/q from WINS, CKTA, KPNW, KTJS. v/PP/c from WKBJ, WFHR, KLFN. v/r- WGRY. Total veries now at 1,649. Good DX to everyone, and 73s.

#### RANCHERA MUSIC

Ranchera music is to Mexico what c/w is to the USA. It originated in N. Mexico, & Monterrey is to Mexico what Nashville is to the U.S. In the US SW, Albuquerque is the capitol of ranchera mx studios. Listen to true ranchera mx carefully, it sounds almost identical to the c/w mx of 15-20 years ago because it is c/w mx, SS style. Few stations S of Guadalajara or Leon play it exclusively, except Mexico City. Like any other mx, styles get around to other countries. However, if you hear what you think is ranchera, & it's not Mexico, it probably isn't true ranchera mx, just plain folk mx from whatever country you're hearing. Top singers in this field are Yolanda del Rio (#1 female vocalist in Mexico), Lucia Villa, Cornelio Reyna, Vicente Fernandez, Augustine Ramirez, etc. There is a slight variation along the EC of Mexico (Veracruz), a mixture of Ranchera/Tropical, & heavy use of a harp with their popular music.

----- RICK HEALD.

ERNEST R. COOPER - 7-A Washington Avenue - Provincetown, Massachusetts - 02657  
Whee, veries are coming! WFGL-960, WKXA-900, WGOM-860, & two foreign: HIAU-1241 & HJBE-1430, heard during WVVX TEST. DX: 1/16- WFGL-960, a semi-local, logged @ 3:36pm. 1/17- At long last, a TA opening - one on 1367, unID @ 1:57-2:15, w/MoR & language could have been German - any ideas? Our famous Cuban Minute Man has advanced now to 1265a! WRCQ-910, alias 91-a, logged @ 3:43pm for a report w/WABI Me. nulled. And, thanks to a welcome telephone call from Stan Morss, CHIN barreling in on 1190 5:58-6:28pm on RS, w/a few commercials, & MoR format. FF heard on 827k @ 6:33pm, unID. 1/18- I think CKCH-970 has quit its AN show - not heard here, anyways. UnID SS on 605 @ 1:16am, and I think 'twas Portugal on 1594 @ 2:04am. UnID TT on 1330 1:23-1:30 & on, also on 1580 1:32 & on & 850 1:42 & on! That afternoon, a log taken on WGIR-610, a local here. SM 1/19- I listened a half hour to the oddest mx from that unID FFC on 1240 today from 3:34-4:08; and still no ID pulled. Tester on 1049, w/down-tempo MoR, could have been KPCB-KPBC, or whatever the call is, hi. WOND-1400 on top this AM, WHN-1050 off c/w & on "BS" this morn. St. Pierre-1375 s/on around 5am SMS, and should be easy for a lot of you who'd like to add that country. Looking for Bill Coleman on WRMT-1490 r/c, no luck - IDed were WAZL & WVEC, RSing. MM 1/20- WINS-1010 off, but WCSI not heard. 860, unIDTT @ 1:44-1:51 & on. Same channel @ 1:59 produced seldom-heard R. Mundial, Rio de Janeiro, nice signal, too. Another Brazilian making it in was old friend and NNV (notorious non-verifier, hi) R. Record-1000 @ 2:10. WINE-940-TEST on, unn, having trouble w/WINF & R. Eco. Unn WCSC-1390 atop @ 2:41. UnID TT-1300 @ 2 42, looped W. Log today on Cucuta-1090, who goes into local program "Pancho Alegre" @ 4am. U/him 3:45-4 was the Rosary, in SS, likely Panama, but unID. Unn WNDI-1580 on top @ 4:11pm SSS. 1/21- Stan Morss 'll die, but WMRC-1490 logged 4:41-5:07pm in/out w/WPOR/WIVL/others. 1/22- Two Canadians go off 900 @ 2 w/Oh Canada - one was CKTS. WMBR-1460 atop @ 2:28, so still Auroral. Then the best domestic catch of the season in WSNT-1490 r/c-IT 3:45-4, atop at times. WQEK-1300 4:31-4:45pm s/off. #Sit. C U N 7.

#### CPC TEST SKED DETAILS

Continued from Page 2

- WPUT - Pop mx, IDs, will use ERP of 895 watts, plus 4.2 & 50-watt PSAs. V/s: Chris Lucas, A; Prospect Hill Rd., 10509. Arr: Chris Lucas, NRC/NNRC.
- WNNO - No program details. V/s: John Taylor, GM; P.O. Box 990, 53965. Arr. Skip Dabelstein, NRC.
- KAVR - No program details. V/s: Wayne Dillard, CE; P.O. Box 960, 92307. Arr. Skip Dabelstein, NRC.
- KKSI - 1 kHz. TT & march mx suggested. CE would appreciate tapes. V/s: Ed Carney, P & GM; Zip 51641. Arr. Skip Dabelstein, NRC.
- WSNG - Begins w/ regular f/c, then ET'ing w/ rr, TT, voice IDs. V/s: Stu Leland, CE; Box 657, 06970. Arr. Ron Musco, NRC.