



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 47, Number 31 Monday, September 22, 1980

STATIC FROM HQ

This last issue in Volume 47 has a great variety of subjects condensed into just 24 pages. The last installments of Dave Arbogast's pro-football network listing and also Bill Hale's Graveyard Distance Calculations is included. Also an update from John Oldfield on the Canadian LPRT and Network Status is inside. This just about exhausts articles on hand for publication- we need articles as well as clips for the new season.

We can't guarantee to use all clips submitted, especially if they're duplicates, but the more the better to make a selection from when it comes to need filler or printing something newsworthy. Now that the season is upon us, contribute to the regular columns, even if it is only one per issue. The membership would truly like to hear from YOU- the vast silent majority.

CPC TESTS (TIMES ARE E.L.T.)

Another TEST via IRCA/Rob Harrington/Neil Zank. If every member just sent three CPC letters, think of the potential TESTS for this season. Now is the perfect time to begin sending those CPC letters- co-ordinate your efforts through CPC Chairman Neil Zank to eliminate duplicate efforts. Write Neil Zank, P.O. Box 5563, Lincoln, NE 68505---TODAY!!

10/27 KPTL-1300 Carson City, NV 0400-0500 ELT. Station will be running Mon. music program using AM & FM ID's (KKBC-97). Reports should be sent to: KPTL Chief Engineer, Mr. James W. McEachern, Frontier Plaza, Suite 227, Carson City, NV 89701. NOT to the P.O.Box!! Will accept prepaid calls only to: 702 882 1319.

THEY JOINED

Welcome to the following new members. Please Muse soon and introduce yourself.

- Milford P. Webster, 804 Waverly Dr., Salisbury, MD 21801
- Pat Wood, 127 Hutchinson Ave., Syracuse, NY 13207
- John Turgeon, Box 10A, RD 7, Kingston, NY 12401
- David L. Quinlan, 18 Godfrey Ave., Roseland, NJ 07068

Recent renewals include the following members:

- Raymond Nemece, Lynn Gillis, Al Merriman, Richard Mozlack, Tom Walsh, John Buehler, John Sampson, Robert Karchevski, Richard Allen, Roger Giannini, Glenn Cooper, Hank Schwartz, Glenn Thompson, Ed Rebennack, C.L. Barfield, Russ Edmunds, John Parillo, Ron Musco, G. Paul Crowder, Debra Hidden, Frank Aden Jr., G. Hoare, Neil Kazaross, Konstantine Rychalsky, Dave Lewis, Kjell Norman, Ken Lyon.

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This issue put together by Gary Atkins and Dick Truax all by their lonesomes. Lots of cutting & pasting folks- bear with us.

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

DOMESTIC DX DIGEST

DAVE SCHMIDT
42 CHELWYNNE ROAD
CASTLE HILLS
NEW CASTLE, DE 19720

Hope that you've got the dust and cobwebs cleaned out of the set as things are starting to pick up on the radio dial once again, we've got a fair sized column this time. When sending your items in, PLEASE neatly write or type them, one side of the paper, ELT, etc. It also helps me if you double space between items as that gives me some room when cutting. This small bit of help on your part will make it much more easier for me. Thanks for your help. And, here goes:

FREQUENCY CHECKS:

1st Mon....WELI-960 w/TT, ID. (GW-PA)
1st Wed....UNID-1060, somebody here 0100-0105, ID 0103 but way u/KYW, CW mx. (DS-DE)
3rd Mon....ADD: WUSS-1490 w/TT 0000-0005 (for 1 minute in this time period). (DS-DE)
DELETE: WRNL-910. (No longer done by Hutton). (DS-DE)

SPECIAL:

920 WHJJ RI PROVIDENCE - Ex-WJAR, noted on new calls 0224. (DY-CT) AN-6, off MM. (ERC-MA)
1240 WOCB MA WEST YARMOUTH - Labor Day marked the end of their AN season for this year, will resume next spring. (ERC)
1310 WSSJ NJ CAMDEN - ex-WCAM, noted on new calls 9/9. Still AN-6, but off MM 0000-0600. "South Jersey 13." (DS-DE)
1330 WDLW MA WALTHAM - Now AN-7, NSP, w/CW mx. Larry King moved to WITS-1510. (ERC-MA)
1500 WCZY MI DETROIT - Now running AN MM's w/gospel mx. (ERC-MA)
1510 WRUE PA MONROEVILLE - ex-WPSL, noted 8/31 1000 w/rr, not noted up til now so maybe off air for a bit? (JWB-PA)
1520 WPOE MA GREENFIELD - still not on the air as of 8/22. (RM-CT)

MIDDAY - MIDNIGHT:

690 WYIS PA PHOENIXVILLE - 9/1 1915 noted w/s/off. (KAZ-RI)
760 WCPS NC TARBORO - 8/27 2000 noted w/s/off, fair to poor o/Guyana. (KAZ-RI)
780 WABS VA ARLINGTON - 8/27 1945 likely w/REL o/ZBV1. (KAZ-RI)
890 WHNC NC HENDERSON - 8/28 1954 fair to good w/ID, TC. (KAZ-RI)
900 WEAS GA SAVANNAH - 8/28 2007 REL and ID thru nulled CHML. (KAZ)
940 WFNC NC FAYETTEVILLE - 8/28 1958 noted w/wx o/WINE. (KAZ-RI)
960 UNID 8/21 2015 s/off noted w/slow Dixie, WAAK or WJAZ? Fair signal. (WPT-DC)
970 WFUN OH ASHTABULA - 8/21 1956 good w/local bank ad. (WPT-DC) Note correct call, Bill. (DS)
980 WILK PA WILKES-BARRE - 8/15 2032 w/nx o/u WTRY. (DY-CT)
1000 WKYB SC HEMINGWAY - 8/28 2000 fair to good at s/off. (KAZ-RI)
1060 KJRP PQ QUEBEC - 8/22 2024 Top 40 mx, FF talk by male, xlnt o/KYW. (WPT-DC) Often does it here, also. (DS)
1080 WZTQ WV HURRICANE - 8/13 2030 s/off w/song, "Country Roads." Heard for two successive nights. Signal took a dipsy-doodle at ID. (WPT-DC) Yeah, right. (DS)
1350 WNVA VA NORTON - 8/15 2005 voice ID u/WZLX. (RM-PA)
1360 WKOP NY BINGHAMTON - 8/29 2000 noted w/ID then Yankees baseball, u/pest WDRC, still on day power. (KAZ-RI)
1380 WAYZ PA WAYNESBORO - 8/13 2009 ad for local tire store, then cw mx, fair to good. (WPT-DC)
1420 WKYY VA AMHERST - 8/13 2015 s/off by male w/mention of 1 kilo watt power, fair. (WPT-DC)
1440 WHHH OH WARREN - 8/28 2033 noted w/nx, wx, ID, "The Voice of the Valley," and mention of Viewpoint program, w/WPTQ. (KAZ)
1450 WKAL NY ROME - 8/21 2030 loud w/voice ID. (RM-PA)
1530 WTHM MI LAPEER - 8/28 2030 w/WCKY w/'THM COUNTY' ID's, til s/off. (KAZ-RI)
1550 WORI TN OAK RIDGE - 8/28 2030 poor w/s/off, often heard. (KAZ)
WCGR NY CANANDAIGUA - 8/22 2015 w/s/off, w/WXVA. (RM-PA)
1560 WYZD NC DOBSON - 8/27 2015, lucky catch w/mention of NC and ID in WQXR pause. (KAZ-RI)
1590 WGOE VA RICHMOND - 8/27 1945 loud o/WAKR w/"the most popular mx is on GOE-16," ID. (RM-PA)

MIDNITE - MIDDAY:

530 YCH NS CHATHAM - 8/21 0406 fair w/ID in code. (DY-CT)
540 UNID 8/27 0515-0530 somebody here w/Larry King, loud but fading, who? (RM-PA)
560 WJLS WV BECKLEY - 8/17 0306 network nx by female then CW mx following SID. Good. (WPT-KY)
570 WWNC NC ASHEVILLE - 8/17 0246 CW mx then ID by male, good signal. (WPT-KY)
610 WDAF MO KANSAS CITY - 8/17 0323 w/wx reports, CW mx, "61 Country" ID, xlnt. (WPT-KY) They're in well here when WIP is off. (DS) (WPT-KY)
630 WLAP KY LEXINGTON - 8/17 0313 talk show w/male, fair u/Cuban./
740 WPAQ NC MT. AIRY - 8/29 0205 noted w/enormous signal during ET w/ID then s/off. (KAZ-RI)
790 KRMG OK TULSA - 8/27 0615 loud o/CBL w/ads and wx. (RM-PA)
800 WTAR VA NORFOLK - 8/21 0407 loud w/SID. (DY-CT)
810 CHRC PQ QUEBEC - 8/21 0408 unnn., fair o/u CKLW. (DY-CT)
810 CJVA NB CARAQUET - 8/21 0352 tentative, is this the PFC u/WGY, on early or now AN? (DY-CT). Noted AN 0143 (date?-DS), maybe AN now? (ERC-MA)
850 WKIX NC RALIEGH - 9/1 0324 second time heard, briefly w/wx and ID. (GW-PA)
860 UNID 8/29 0230 ET w/CW mx, off w/no ID, strong on beverage antenna. Help? (KAZ-RI)
920 UNID 8/18 0130 clear ID noted as WHJJ, not in log's, help? WTTM off. (RM-PA) See 'special' item on this 'un, you caught WTTM off? A real pest here anymore. (DS)
930 WSOC NC CHARLOTTE - 8/29 0305 w/WBEN and WPAT w/ID then into Larry King. (KAZ-RI)
950 WIBX NY UTICA - 8/25 0121 noted w/"Mohawk Valley Jazz Show," sked. change on this one? (ERC-MA)
960 CHNS NS HALIFAX - noted on new Canadian AN talk show, al la Larry King, also on CKOY-1310 and CFCO-630. (ERC-MA) That should have gone in the specials column, leave it to beaver-hi! (DS)
WEAV NY PLATTSBURGH - 9/2 0101 at end of Montreal BB game at San Diego, ID then s/off w/no mx. (ERC-MA)
990 WNYR NY ROCHESTER - 8/25 0434 fair o/u WNOX w/PSA, wx, pop/cw mx. (KDF-IL)
1050 WBRG VA LYNCHBURG - 8/28 0559 1/2 fair briefly w/s/on, no SSB noted. (KDF-IL)
1090 CKKW ON KITCHNER - 8/21 0349 u/WBAL w/CW mx. (DY-CT)
1150 WRUN NY UTICA - 8/21 0412 u/CKOC w/ID then time check, since when is he AN'ing? (DY-CT)
WDEL DE WILMINGTON - 9/9 0045 noted off again this AM, work on antenna system is continuing. (DS-DE)
1190 CHTN PEI CHARLOTTETOWN - 9/1 0127 first catch from PEI, lots of WHAM sloop, WOWO not showing it's face tonite. (GW-PA)
1230 KLAV NV LAS VAGES - 8/17 0400 ID then top 40 mx. (PZ-NV)
1240 WCOU ME LEWISTON - 8/22 0202 noted w/nx about high gas \$\$\$ (KAZ)
WSKI VT MONTPELIER - 8/25 0449 noted w/what sounded to be a s/on, mentioning days of b'casting, no SSB, possible log change. WOCB then took over. (RM-CT)
UNID 8/17 0415 somebody here w/SS mx and talk, US or Mexican station? (PZ-NV)
1250 WTMA SC CHARLESTON - 8/18 0130-0145 u/UNID w/Top 40 mx, "Charles-tons TMA" ID's, WTAE off. (RM-PA)
UNID 9/4 0117 PFC here w/s/off w/vocal Oh Canada, probably after Expo's BB game from San Diego. (ERC-MA)
1260 WWDC DC WASHINGTON - 8/20 0010 noted off this AM. (WPT-DC)
WCHV VA CHARLOTTESVILLE - 8/20 0041 MoR mx, ID by male, fair w/heavy WTAE splash during WWDC SP. (WPT-DC)
1290 WGLI NY BABYLON - 7/27 0100 s/off noted w/no SSB. (ERC-MA)
1310 WGH VA NEWPORT NEWS - 8/18 0115 noted weak w/ID, WCAM off. (RM-PA)
1340 WPEM WV MARTINSBURG - 9/9 0104-0115 noted ending nx/wx then CW gospel stuff, topping freq. at times. Sked change on this one? (DS-DE)
1350 WHWH NJ PRINCETON - 9/1 noted AN this AM w/fund raiser, normally off MM's. (ERC-MA)
1360 KKBJ MN BEMIDJI - 8/25 0205 o/WSAI w/ET, OC and ID, "North Country" jx. (KDF-IL)
1400 WLLH MA LOWELL-LAWRENCE - 9/1 0303 in very clear with nx of Lawrence Transport. System. (GW-PA)
1410 UNID 7/28 0156-0205 TT w/no ID's noted. Again noted 8/12 0128-0204 and on, no ID's noted. (ERC-MA)

- 1440 CFGO ON OTTAWA - 8/21 0342 o/WPTQ/WNAB slop w/ID, spots. (DY-CT)
- 1460 UNID 7/30 what sounded to be an f/c-TT ending 0214:30 w/ID, way u/WOKO/WCMB/CKRB's OC, this might be WCIS. Any help? (ERC-MA)
- 1470 WLAM ME LEWISTON - 8/15 0310 promo/ID, no sign of pests WSAN/CKO, new. (DY-CT) WSAN now off MM's, CKO still s/off 3 am. (DS)
- 1490 WEMJ NH LACONIA -8/22 0121 in mess w/ID. (KAZ-RI)
- WWDE VA HAMPTON - 8/21 0400 w/ID then ABC nx. (DY-CT)
- WPOR ME PORTLAND - 9/1 0331 noted w/tide report, time and wx, getting to be a regular visitor. (GW-PA) Used to be in every MM here last season but not heard lately. (DS)
- 1500 KROK CA BURBANK - 8/14 0427 w/SS Radio America ID. (PZ-NV)
- 1530 WMBT PA SHENANDOAH - 8/25 0151 w/ID concluding ET or f/c w/rock mx and OC. (KDF-IL)
- WVFC PA McCONNELLSBURG - 8/25 0241 noted r/c TT ending, in clear except for WPTR splash. (ERC-MA)
- 1550 KRGO UT GRANGER - 8/28 0309-0312 shocker w/3 ID's and CW mx, wx, last heard in '78 about same time! (KAZ-RI)
- WKBA VA VINTON - 8/16 0230-0300 noted on ET w/rock mx, long LP cuts, ID by grumpy announc'r who gave address. (RM-PA)
- 1560 WFSP WV KINGWOOD - 8/24 0600 s/on weak w/WPAD/WAGL, WQXR off, "This is West Virginia." (RM-PA)
- WAGL SC LANCASTER - 8/24 0600 s/on weak w/WPAD, et al. (RM-PA)
- 1570 WQTW PA LATROBE - 9/9 0020 noted on ET o/u CFOR/CKLM/UNID TT, good copy on voice ID, mx weak. (DS-DE)
- 1580 WPGC MD MORNINGSIDE - 8/25 0301 ET w/FM audio, rr w/ID. (ERC-MA)
- KLOU LA LAKE CHARLES - 8/21 0402 w/religion w/CKLM slop. (DY-CT)
- KRZI TX WACO - 8/28 0404 noted weak w/2 ID's. (KAZ-RI)
- KNIX AZ TEMPE - 8/28 0420 another surprise of the morning, fair signal on peak w/MST time check. (KAZ-RI)
- 1590 WPLW PA CARNEGIE - 8/22 0429 noted w/ET, TT, OC, and mx. Again on 8/25 0415 w/ID. (RM-CT)
- WDGI ME GORHAM - 8/25 0515 noted w/religious program w/Billy Sol Hargus, WDCF ID at 0530 (their FM) then Mutual nx, alone on channel and better at pattern change. (RM-CT)
- WQQW CT WATERBURY - 8/25 0535 noted w/s/on at this time contrary to what log sez. (RM-CT)
- 1600 WNST WV MILTON - 8/23 0055 ET w/TT o/WWRL. (RM-PA)
- 1630 WBLO PIRATE - 7/26 0110 noted w/disgusting commentary, this one must be located in a sewer someplace. (ERC-MA)

RAN-DUMBS:

BILL TOWNSHEND reports hearing WCHL ID's on 1530 on 8/28 2030, full s/off mentioning WCHM-FM on 103.1, is this a switch for WRBX?

Locally, WQIQ-1590 continues their silence, various newspaper reports mention they'll be off "for a while."

THIS WEEK'S SPONSERS:

- | | | |
|--------|--------------------------------------|--------------------------|
| JWB-PA | Joe Brauner, Punxsutawney, PA | A2515, Loop |
| KDF-IL | Karl Forth, Chicago, IL | HQ160, 3x3 spiral loop |
| GW-PA | George Walton, Easton, PA | RF2200, Sanserino Loop |
| RM-PA | Rem Murphy, Roslyn, PA | DX160, longwire |
| RM-CT | Ron Musco, Windsor, CT | Various HQs, LW |
| DY-CT | Dave Yocis, Fairfield, CT | TRF |
| PZ-NV | Paul Zehr, Ely, NV | DX160, LW, loop |
| ERC-MA | Ernest R. Cooper, Provincetown, MA | HQ180, R390A, TRF, loop |
| WPT-DC | William P. Townshend, Washington, DC | TRF |
| WPT-KY | William P. Townshend, Louisville, KY | TRF (IRCA confab) |
| KAZ-RI | Neil Kazaross, Narragansett, RI | R390, modif. TRF, Bev's. |

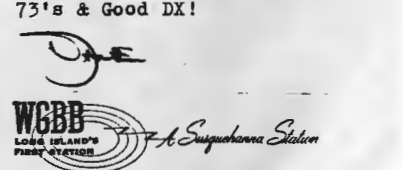
And that's everything up to 9/9, including the few items I dug up this morning to see if I still had the knack-hi! That's it for 2 weeks.

just beautiful radio!



WJBR
FM 100 • AM 13

73's & Good DX!



WGBB
LONG ISLAND'S FIRST STATION
A Susquehanna Station

INTERNATIONAL DX DIGEST

CHUCK HUTTON
P.O. BOX 2087
DECATUR, GA 30030
(404) 633-1198
BEFORE 2300 ELT

Times are GMT. For ELT subtract 4 hours. Deadlines are usually Monday.

Showtime, folks.....

- 540 VENEZUELA YVVO Villa del Rosario dominant o/other LA's and Libya-539 het; R. Perija ID, SS talk 0428 8/8. (Connelly)
- 555 ST. KITTS Basseterre ZIZ good w/disco 0044 8/8. (Connelly)
- 575 COSTA RICA TIRN San Jose good w/man and woman in SS then a slow ballad followed; atop Algeria 576 het 0351 8/6. (Connelly)
- 580 HONDURAS R. Satellite heard with fair signal with ID at 0730 on 8/18. Presume 24 hours this day. (Most days are, hi-CH) Not heard before or since. (Crawford)
- 580 PUERTO RICO WKAQ San Juan o/u WTAG w/WKAQ R. Reloj jinghe, SS talk 0350 8/6. (Connelly)
- 640 VENEZUELA YVQO Puerto la Cruz good w/several Puerbo la Cruz mentions then SS pop mx 0345 8/5. (Connelly)
- 670 VENEZUELA YVLL Caracas good atop Cuba: "Notirumbos" slogans and jingles, then R. Rumbos ID 0356 8/6. (Connelly)
- 700 COLOMBIA HJCY Cali good w/Colombian national nx in SS 0334 8/6.
- 700 VENEZUELA YVMH Maracaibo good/dominant at s/off w/R. Popular ID, Venezuelan National Anthem 0357 8/6. (Connelly, last two)
- 725 SURINAM Paramaribo awesome w/EE MoR mx (Roger Whittaker etc.), man in DD at 0355 8/5. This is later than sked listed in WRTH.
- 740 CUBA Pinar del Rio/Camaguey mixed w/CBNM/CBL, atop other SS LA; Cuban march mx noted at 0400 8/6. (Connelly)
- 750 NICARAGUA R. Sandino with a fair signal at 0710 on 8/18. Big ID at 0730. (Crawford)
- 750 VENEZUELA YVKS Caracas heard w/R. Caracas ID, US pop mx, just getting through heavy growl 0358 8/5. (Connelly)
- 760 CUBA CMCD Habana o/u WJR w/usual Reloj program 0429 8/5. Cubans were all over the dial at this time. (Connelly)
- 780 BRITISH VIRGIN ISLANDS Roadtown, Tortola ZBV1 loud w/public service announcement about high blood pressure, followed by a DJ who must have had that problem; disco reggae fusion mx followed 0125 8/6. (Connelly)
- 780 CUBA LV de Cuba ID at 0800-often a good signal here. (Crawford)
- 810 COLOMBIA HJCY Bogota good at s/off w/R. Sutatenza ID, Colombian NA, o/u WGY 0400 8/5. (Connelly)
- 820 COLOMBIA Cali HJED battling strong Andorra-819 het; CARACOL mention, LV de Rio Cauca ID 0357 8/8. (Connelly)
- 820 CUBA //670, 860 w/soft instrumental mx 0522 8/5. (Connelly)
- 828 JAPAN JOBE Osaka at its peak 1245-1305 with quite strong QSA5 sig and very steady. Man talking in Japanese-at 1300 3 short beeps followed by a long one. (Meehan)
- 830 VENEZUELA/UNID YVLT good at s/off w/anthem; carrier off at 0403 8/5. This left another LA on the channel w/SS talk and US disco and oldies-this likely HJJB. (Connelly)
- 840 CHILE? SS stn with a lot of R. Nacional ID's at 0620 with mentions of programa especial. R. Nacional de Chile ID at 0700. Mixed with WHAS at times and often on top. 8/19. (Crawford)
- 850 CUBA R. Revolucion with fair signal at 0950 with several ID's. (Crawford)
- 860 CUBA CMCA dominant w/mx //670 and 820; 0522 8/5. (Connelly)
- 873 UNID 1245 8/22, probably Japan heard very weak in static. (Meehan)
- 891 UNID 8/22 probably Kores putting a loud het on a weak domestic (probably KBYE). Signal not really readable. (Meehan)
- 940 CUBA Reloj Nacional w/ID 0623 8/15. (Yocis)
- 970 MEXICO XEJ Ciudad Juarez w/ID 0508 9/1 followed by Mexican vocal. Has ID of "La J, Radio Mexicana" after every record. Fair w/flutter. (Worst)
- 970 UNID R. la Victor 0125 8/14 in and out w/XEO, XEJ and a few domestics. Suspect XEBJ Ciudad Victoria; don't think it would be Colombia. (Worst)

- 980 MEXICO Nueva Rosita, Coah. poor, ID 0154 followed by Mexican vocals. Mixing with 2 or 3 other stns, surprisingly strong for listed 500 watts. Local KALO-990 nulled. (Worst)
- 1020 VENEZUELA R. Margarita loud o/KDKA 0650 8/15. (Yocis) Good w/Mundial Margarita ID then festive mx 0412 8/6. (Connolly)
- 1025 UNID SS talk, no ID, poor signal--Colombia suspected 0418 8/6.
- 1040 COLOMBIA HJAI Barranquilla good w/CARACOL mention, Colombian nx 0512 8/5. (Connolly)
- 1044 UNID probably China 8/22, weak in static. (Meehan)
- 1070 COLOMBIA HJAG Barranquilla absolutely smashing in (badly slopping WTIC-1080); several Emissor Atlantico and Barranquilla ID's (screamed and reverberated) 0450 8/5. (Connolly)
- 1070 VENEZUELA YVMA Maracaibo surfacing w/several Mundial Zulia ID's o/a Fierce growl 0514 8/5. (Connolly)
- 1070 UNID w/R. Tropico ID's, GMT-5 TC 0655 8/15. Who? (Yocis) Don't know, same thing heard here-CH
- 1090t COLOMBIA HJBC likely w/SS talk, several apparent "Cucuta" mentions u/powerhouse WBAL 0440 8/5. (Connolly)
- 1100 COLOMBIA HJAT Barranquilla good/dominant w/R. Reloj ID, CARACOL mentions and frequent mentions of Barranquilla 0328 8/5. (Connolly) Fair u/WWWE 0702 8/15. (Yocis)
- 1120 DOMINICAN REPUBLIC HICN Santo Domingo o/others w/SS MoR, R. Antillas jingle; battered by big band slop from WNEW 0443 8/5. (Con)
- 1140 COLOMBIA LV de Valle w/good signal 0645 8/5. Todelar and LV de Valle ID at 0700. (Crawford)
- 1200 COLOMBIA R. Super de Cali w/good signal on 8/18 at 0640, often ID'ing. (Crawford)
- 1200 VENEZUELA YVOZ Caracas dominant o/bumble w/Radiotiempo ID 0507 8/5. (Connolly)
- 1240 GUATEMALA R. Sensacion heard briefly 0500 8/8-quite good. Not heard for some years. Hoping for a verie. Wouldn't verify after several reports some years ago. (Crawford)
- 1250 COLOMBIA R. Capital very good at 0500 with big ID giving call slogan and frequency. Heard 8/15. (Crawford)
- 1310 COLOMBIA R. Santa Barbara with good ID at 0425 on 7/8. "Este es Radio Santa Barbara, HJLM 1310 KHz en la banda...". (Crawford)
- 1310 ECUADOR R. Nacional Espejo heard with quite good signal and played occasional EE pops like "The Rose" by Bette Midler 0625 8/15. Wish it would reply-SW // 4680 also heard here often very good. First time for the MW outlet. (Crawford)
- 1380 COLOMBIA HJEE w/good signal, often ID'ing and playing jingles for Radio Cinco. No mention of Triunfo de Boyaca-a big ID at 0600 when call and frequency given. Heard 8/18. (Crawford)
- 1555 CAYMAN ISLANDS R. Cayman fair w/woman in EE; noticeable 1554 het (African?) present at the time 0422 8/6. (Connolly)
- 1557 MALTA R. Mediterranean over DW Malta relay stn heard-FF 1820-1835 then EE to 1850 s/off-AA, FF and EE with ID's and frequencies. Pair signal mixed with NZ'er on the frequency. (Crawford)

Mark Connolly-W. Yarmouth, Mass. HQ180A, 2 37 m. phased wires
 Ernie Cooper-Provincetown, Mass. R390A, NRC loop
 Ray Crawford-Invercargill, New Zeal. SPR4, LW
 Mort Meehan-29 Palms, Ca. RF2600, GE SuperRadio, 200' LW
 Mike Worst-Beaumont, Texas 51J4, SP600, Wedge loop, 20' LW
 Dave Yocis-Fairfield, Ct. TRF

From Ernie Cooper.....

- 860 UNID Netherlands Antilles I believe. Noyed in Papiamento on 8/27 from 0620-0700 s/off w/mentions of Aruba and Saba in news at 0634. Many USA pop tunes heard. S/off is promptly at 0700 w/a SID "Ocho cincuenta" (850) although they are smack on 860. Also noted on MM 9/1 and 9/2 again, always s/off at 0700 with only the SID. They have a good signal so I doubt it's PJC-2 listed on 850 with 1 kw. Anybody get an ID on him yet? (Cooper) I haven't even heard it much less ID'ed it-CH
- 980 CUBA new Reloj noted MM 9/8, even with the rest of the channel. 860 is suddenly missing so maybe a frequency switch. (Hutton)
- 570 COLOMBIA apparently R. Nacional de Colombia at 0455 s/off with a missed ID and the Colombian NA. (Hutton)

PRO FOOTBALL NETWORKS

NEW ENGLAND PATRIOTS Announcers--John Carlson, Jon Morris Continued from # 30
 NEW FLAG - WEEI-590 Boston, and the net yet incomplete.

NEW ORLEANS SAINTS Due to heavy rains that flooded my bedroom, the network listing for the Saints got all wet and, as a result, became unreadable. Anybody down south help out?
 By Dave Arbogast

NEW YORK GIANTS Announcers--Jim Gordon, Dick Lynch
 1130 WNEW-NY only. NO NET.

NEW YORK JETS Announcers--Spencer Rose, Sam DeLuca, Ed Ingles
 880 WCBS-NY only. NO NET.

OAKLAND RAIDERS Announcers--Bill King, Monty Stickles
 810 KGO-CA (only?) No net enclosed.

PHILADELPHIA EAGLES Announcers--Merrill Reese, Jim Barniak
 610 WIP-PA Didn't enclose network.

PITTSBURGH STEELERS Announcers--Jack Fleming, Myron Cope

SPECIAL NOTE ABOUT THIS NET---It will carry the feed for the Houston Oilers on September 7 and again on December 4. On the same order, Houston's net will carry the Steelers net feed on those same days. Are they playing each other that day?

850	WJAC-PA	1240	WCED-PA	1380	WACB-PA	1470	WRML-PA
880	WQAY-WV*		WSEW-PA	1400	WKWK-WV	1480	WSHP-PA*
920	WMMN-WV		WBAX-PA		WAMQ-PA	1490	WOHI-OH
940	WVLV-PA	1250	WTAE-PA	1430	WVAM-PA	1540	WBTC-OH*
	WESA-PA	1270	WCBC-MD		WEIR-WV	1580	WANB-PA*
990	WVSC-PA	1280	WKST-PA	1440	WJNR-WV	1600	WJSA-PA
1050	WPUT-PA		WPKN-NY		WHHH-OH		WEYZ-PA ¹
1220	WJUN-PA*	1340	WCVI-PA	1450	WFRA-PA	(Plus 6 FM's)	
1230	WBVP-PA		WOYL-PA		WDAD-PA		
					WPAR-WV		

SAINT LOUIS CARDINALS No reply so far, likely on KMOX-1120 again.

SAN DIEGO CHARGERS Announcers--Tom Kelly, John DeMott

620	KATR-AZ	1130	KSDO-CA	1300	KROP-CA	1400	KVCY-AZ
790	KCEE-AZ	1250	KTMS-CA	1320	KUDE-CA	1450	KOWN-CA
					(no FM's)		KPSI-CA

SAN FRANCISCO 49ers Lon Simmons, Wayne Walker

560	KSFO-CA	630	KOH-NV	990	KHVH-HI	1400	KQMS-CA
580	KMJ-CA	970	KIAK-AK	1230	KDAC-CA	1490	KBLF-CA
620	KWSD-CA	980	KINS-CA	1350	KFKB-CA		KSYC-CA
					(and 1 FM)		

SEATTLE SEAHAWKS Announcers--Pete Gross, Don Heinrich, Wayne Cody
 (They sent the 1979 net, so watch for changes.)

560	KPQ-WA	850	KICY-AK	1300	KRVB-OR*	1450	KONP-WA
	KVOK-AK	920	KXLY-WA	1320	KXRO-WA	1470	KSEM-WA
590	KJGN-OR	930	KTKN-AK	1340	KLOO-OR	1490	KNCW-WA
610	KONA-WA	1130	CKWX-BC		KAIN-ID		KLCG-WA
630	KJNO-AK	1170	KPUG-WA	1370	KAST-OR		KVAC-WA
650	KYAK-AK	1230	KTDO-OR	1380	KBCH-OR*		KTEL-WA
660	KPAR-AK		KIFW-AK	1430	KIHR-OR	1520	KYXI-OR
680	KOMW-WA		KOZI-WA		KBRC-WA		
710	KIRO-WA	1280	KIT-WA	1450	KLAM-AK	(no FM's)	

TAMPA BAY BUCCANEERS Announcers--Mark Champion, Dave Kocourek, Dick Crippen

NOTE--ALL STATIONS IN FL

580	WDBO	1090	WMFL*	1440	WAYK	WPCV3
790	WNWS	1240	WLCO	1450	WWJB	WQIM4
850	WRUF	1250	WDAE		WSPB	WLLV5
	WEAT	1380	WDAT		WSTU	WQHI6
900	WSWN*	1400	WPAS		WTAL	WJAO7
920	WTRS*	1410	WZST*	1530	WENG*	(and 3 FM's)
930	WJAX	1420	WAOC*	1560	WTAI*	(notes on next page)
960	WGRO*		WDBF		WOWW1	
	WJCM*	1430	WWWQ		WAJX2	

The Verification Game



Editor: Wayne Heinen
427 E. Caramillo St.
Colorado Springs, CO
80907
(303) 632-3332

Welcome to the kick off of the 1980-1981 DX season with a veri timely column. Some of the best news to foriegn DX'ers in years is the recent rash of verifications from Communist Cuba. Verifying Ace Rick Carr of Texas sends along the following signers and addresses for those who want to add Cuba to their veri folders:

For:Radio Rebelde, Calle O No. 216 (Apto. 3540) Habana v/s is Jorge Luis Más Zabala, Dpto. Divulgacion Stations that have verified for Rick are CMAN-550, CMHI-570, CMW-590, CMKV-600 all with ICRT QSL Card. With a prepared card and letter veries were received from CMKF-580, CMGN-720, and CMJN-780.

Radio Liberacion, Calle 23 No.258 entre L y M, Habana (apto. 6277, Habana 6) v/s Ricardo Parets, J'de Divulgacion Stations that have verified for this network are CMHQ-630, CMJL-740, CMJV-900 with R. Liberacion QSL and letter. CMQ-640 with ICRT QSL and letter.

Rick's other Cuban veries include ; R. Cadena Habana-1160 v/pp, R. Reloj National on 1180,1210, and 1560 all v/pp and R. 26 CMGA with a personal letter v/s Ezequiel Rivero Poado. Rick comments; "All cards and letters with the exception of radio 26 were officially stamped with the ICRT/R. Rebelde, ICRT/Radio Liberacio, etc. seal. Ten or eleven were veried since the first of the year. I don't believe any of the veries took less than ninety days and a few took 160 days to get here. some calls and frequencies may have changed since I first heard them." Thanks to Rick Carr for passing on this info.

Looking to a few problems ; our musings editor could use any verification info on WIBG-1520. Dave Schimdt could use signers on CJNR-730, WLBE-790, WITH-1230, WASR-1420, and WPCE-1400. Remember to check the v/s column closely as the signers to a few of these and more will be found in this issue.

Now a little advise on getting verifications from the CE at WCHE-1520. " I have seen enough reports, after 7 years in the last 2 1/2 years as a CE, some that are good and some that sort of make you sick. Probably the biggest and most important item for one to remember when sending out a reception report is to be neat. Keep your letter in a business-like form, don't be sloppy. I'm a believer that the neater the letter, the better the chance to get a reply. Stay away from using Ham lingo, very few people that may answer reception reports are in ham radio. Stay away from SINPO codes. Try to get as much detail as possible, list times heard by time. If there was interference state that in the report also. Don't make the report long winded, keep it to the point but don't make the letter look like something a machine ground out. Even though I used them for years, stay away from using report forms, it may take a little longer to type out a personal letter but it is worth the effort. Always send return postage with your reports. Every report I've sent since I started in the NRC has had return postage, even all my follow-ups. Out of over 1000 veries I've got, only a dozen are ppc's".

My thanks to Dave Schmidt our DXDD editor for his veri good advice. On with v/s Our contributors for this issue are

Continued on Page 9

Continued from page 7 PRO FOOTBALL NETWORKS

1-a real mess. WOWW is listed on 1380, but in Bridgeport, CT. WDAE's listing says its in Pensacola, FL, but does not list the frequency. Help, anyone?
2, 3, 4, 6, and 7-not listed in Log
5-WTAI's FM, but couldn't find dial position.

WASHINGTON REDSKINS Announcers--Frank Herzog, Sam Huff
630 WMAL is flag, net incomplete.

Well, that's the listing, if you have any corrections, additions, deletions, etc., send them to me at 3851 Porter Road, Rootstown, Ohio, 44272.

Good DX,

- DS Dave Schmidt
- ERC- ERC
- JT- Juergen Trochimczyk
- RL- R. Leowen
- GW- George Walton
- EL- Eric Loy
- MS-Mike Stonebridge
- HH- Hank Holbrook
- RA- Ray Aruda
- NM- Norm Maguire
- SP- Steve Paradies
- CD- Skip Dablestien
- C- Csorbay
- RC- Rick Carr
- DY- Dave Yocis
- KJ- Karl Jeter
- SM- Stan Morss
- NH- Wayne Heinen
- CC- Car of Many Colors

- 540 WGTOq Dr. Frank L. Berry CE GW
- WLIXl John Bennett CE GW
- 550 WGGAlu David Puckett OpM JT
- 560 WHBQqu Christopher W. Karb JT
- 570 WKBNq u/u RL
- WNWCPu u/u VP & GM RC
- 580 CKAPml Kurt Arseneault RL
- WLESur E.N.Dayle Jr. M JT
- 590 WPIQul Jim Clemens OpM JT
- 600 WVOGulm Fred P. Westenburg P JT
- CFCHml Wallis Lennox CE RL
- WIRBpu Tom Kingsley CE KJ
- 610 KILTur Betsy Dean Frg.Good. JT
- WTVN 1 John Owen RL
- 1 Miles Ptacek CE ERC
- 620 KTARpu Steve Gruel GM RC
- WLBZc Howie Soule DoE GW
- 630 XEFBnl Jose Luis Alcántara G RC
- 640 FR3 q u/u Director RC
- 690 WTIKpu Charles D. Veres CE KJ
- lumb J.John Tranchina CE JT
- 700 JBC ulb Uriel W. Aldridge PM RC
- 710 WROM f John Steadham CE GW
- 720 WGNq u/u DY
- 730 WARBpu Rick Webb M/CE RC
- 760 WJRq u/u EL
- 770 WCAL 1 Tim P. Valley CE ERC
- 780 WBBMqu u/u DY
- KCRL 1 Lin Key Bus.M MS
- 790 WAKY f Bob Newberry CE KJ/HH
- WLBE ul Eugene F. Smith GM JT
- 800 WSHOpu u/u CE KJ
- WSVS 1 Mary Ann Silverman OpD HH
- 840 WMOBul Steve McGill PD JT
- 850 XETQpu u/u RC
- KOAA q u/u DY
- WJAC 1 E. Art Vrooman CE HH
- 860 WKKBblm Tom Collins OpM JT
- WEVAulm Willis L. Stone GM JT
- WYJZ 1 Chris Hudak(?) CE HH
- 885 ZJB ul u/u M RC
- 900 WIMdp Michael T. Dryburg(?) KJ
- WGOK 1 Steve Riggs CE RC
- WXIA 1 Priscilla Selmer ERC
- WEAS Donald Eversoll CE KJ
- 910 WSUI 1 George S. Klinger DoBC JT
- 930 WKXYul Tony W. Fernandez CE JT
- KWOCplum Darrell Antone AstOM RC
- WSOCq William R Huffstetler CE KJ
- 940 WUFP 1 Isaac A Richardson GM RA
- 950 KLIKpu C.L. Cooper CE RC
- WDSXpu Calvin Babcock DoE RC
- 960 CKWSq u/u RL
- WFIR 1 R.L.Richardson acting CE RL
- CHNS f u/u GW
- XEKpu Eduardo Villarreal RC
- WFGL 1 David D. Coder CE ERC
- WJAZbl Sam Dudas CE RC
- WBEU Mark Robertson RC
- 970 WWSW 1 Phil Asheaz CE GW
- WDAYpu u/u OpM
- 980 WDVHul Wayne Payne M JT
- CHEXq Judy Carawell RA
- 985 LVCPFS pun u/u/ RC
- 990 WNNRul Kenneth Devine CE JT
- WZZD 1 Stephen Hnat CE RL
- WNYRml Michael Teame CE DS/ERC
- WVSC 1 Harold P. Showman KJ
- 1000 WSUM 1 David S. Johnson TD RA
- 1 Thom Dombroski E HH
- WKTNpu Fanny Cotheran
- 1010 KKIKml Roger A. Tighe CE NM
- 1050 KSDHul Larry James CE JT
- WSGV 1 u/u RA
- KIIZpu Troy Deneke PD RC
- 1060 KHYM 1 Al Tarasiuk PD WH/RA
- WCIR 1 Jay Queensberry KJ
- 1070 CHOK 1 W. Wayne Steale VP&GM SP
- pu Robert Cooke CE RC
- WINA 1 Charles E Neer ChOp HH
- 1080 WJOEul J.J. Barnhill CE JT
- 1110 KEOBul Richard Blankenship MxD JT
- WJML 1 u/u RL
- WBCAul Walter Mitchell PD JT
- 1130 KWKHu Tom E. Williams PD JT
- WPUBpu Cecil A. Bowers GM KJ
- 1140 WRVA f G.R. Vogler CE EL
- 1150 KNEDul Lee Anderson ChOp JT
- WTMPul Jim Rhinehart
- 1160 WJJD q u/u RL
- HIBGulm Americo Rodriguez Arlequin Dir. of Adm RC
- 1170 LVRS 1 Rev.Raymond Conrad ExDir RC SM/ERC
- WKZE 1 Gordon D. Benoit SM/ERC
- 1210 WADE r B. Roy M CD
- 1220 WFAJ 1 Henry I. Stewart CE HH
- 1230 WITH 1 S. Edward Hawkins JR. VPOE SP
- WNVYul Bill Black PD JT
- WAINulbs Gary Robinson CE JT
- KGRO r Darrell Schour (?) NM
- 1240 KIAMulbs Mo Moser CE JT
- WGCML Howard Yund CE JT
- 1240 WSNJ q Edward L Bold Ex VP ERC
- 1240 WEBQ 1 Wyatt Drake Spts D
- KOKL 1 K.Humphries GM CD
- 1250 WKBL 1 Robert C. Whiteley CE KJ
- WQDEpu John J. Green CE KJ
- 1260 WGWR 1 Ed Swicegood GM KJ
- 1280 WINDpu Hans Conrad RC
- kdkdpu u/u RC
- WPKMml James Franklin CE ERC
- WTTX 1 Terry Shinn E DS
- 1290 WGLI 1 Walter A. Watmuff CE RA
- CJBK q Jeff Guy VPcE SP
- WNILpu Tom Jegier
- KWLS q J. Tibbets CE CD
- WFBG q u/u CE HH
- 1300 WSOLul Mark S. Lee CE JT
- WNODul u/u JT
- 1310 WAUCul Hershel Stone Jr. WDXIPumb Kim McCollon Secy
- 1320 WAMRuc Florence Rhodes JT
- WKTQ q Jeff Gulick CE JT
- KRLWpu u/u owner RC
- WMSRpu u/u VP & GM RC
- WEET 1 E.E. Burkhardt CE HH
- WGET 1 Richard E. Selby SM HH
- 1330 WTRBpu u/u GM RC
- WJFRpub James P Karr Jr. RC
- 1340 WFSHur Jerry Maguire CE JT
- 1350 WFSL 1 Gary Harrison CE HH
- WNBR 1 Bill Boyer E HH
- 1360 WHBG q H.E.Richardson CE GW
- KFFApu u/u RC

1370	KAWWpu Charles E. Howell M RC	1500	WKIZb1 Paul L. Powell Jr. JT
	WKMcm1 Louis J. Maierhofer GM ERC	1510	WBLBurb N. Cline Felty GM JT
1380	WGIYVpu C.S. Heartsill Jr. GM RC		KAGYul Dennis Carlton JT
1390	KAMoulm Harvey Graves RC		WNBcPu Walter Nyren CE KJ
1400	WBGGu1 Ralph M Lambeth P JT	1520	WREA 1 J. Barry Wilde GM KJ
	KTRCml Duane A. McNeely OpM RC	1530	WJDM c u/u SP
	WLSBpu Mrs. Bobbi Rucker M KJ		KMAMulm B.D. Thornton GM RC
	WHAL 1 Wayne Ricnks GM KJ	1540	WARD1 John C. Watkins c/SP RC
1410	WVNIuc Alan R. Bishop GM JT		KZLApu P.C. Newell GM RC
1420	WBRDul Bob Barnes PD JT		XENCml Ing. Jesus San Martin RC
	KPOCpu John J Shields P RC		WSWgh1 Keith Worrell Jr. CE
	KPEFpu Hank Sherman RC	1550	WTBP 1 Ralph Clenny ERC
	KXOWpu u/u RC		WMOOm1 Wilbur H. Goforth GM NM
	KESY 1 G. Clouse GM CD		KEDDml Nelson D. McCarty CE NM
	WASRlh Dale Sanborn C		WCTW 1 Lee J. Freshwater DoE GW
1430	CKFH 1 G.A. Wilson VP Eng HH		KGMO 1 Mike Bishop CE EL
1440	KMLB 1 Richard Garrett CE KJ	1560	WTAIuq u/u KJ
	WRKY 1 James B. Thompson P HH		WBOLpu Bill Morrow CE KJ
	WBUY f Allan C. Godwin CE HH	1570	WGHCpu Grace Lee RC
1450	KXXLpu R. Lyson M RC		KSRB 1 Rheanell Evans Tfc D KJ
	WQQT John All CE KJ		KNDY p Herb Hoeflicker O KJ
	WLARpl Larry G. Ledford CE KJ	1580	WCCFuc Mittee Butler OpM JT
	WMVA 1 Herbert A. Boaz Jr CE KJ		WESY Percy C. Kuhn CE DY
	WEYZ 1 J.J. Sanford PD C		WTTnmf James Hermanson AE C
1460	WFRW f u/u CE KJ		WYFA f Gene Healy CE HH
1470	KTWN 1 Scott Blixt DJ ERC	1590	WGCLpu u/u RC
	KLCL p A.R. Montgomery NM		KGASpu u/u RC
	KGHM 1 J. Mross CE CD		WDNH r u/u P HH
1480	WMAXpu James J. Barker GM RC		WGGOm1 John R. Newman P & CE HH
	WABB 1 Jerry Bowers CE KJ	1600	WARUpu James L. Swearingen RC
	CKAN 1 John Evans DoE C		WOKBmulb Brett Lewis
1490	KTOPpu Barry Sheme E RC		WNST 1 Naseeb S. Tweel EL
	WFOR 1 Patricia A. Littlefield ERC		WSTL r Nick Janky CE C
	WFKY 1 Phillip J. Fraley KJ		
	WABJul Tom Taggart CE KJ		

GY DISTANCES (CONT.)

(Parts 1 & 2 appeared in Issues # 28 & 29)

By
Bill Hale

DEGREE	SINE	COSINE	DEGREE	DEGREE	SINE	COSINE	DEGREE
0.0	.00000	1.0000	90 0	6 0	.10453	0.9945	84 0
.1	.00175	1.0000	9	1	.10626	.9943	9
.2	.00349	1.0000	8	2	.10800	.9942	8
.3	.00524	1.0000	7	3	.10973	.9940	7
.4	.00698	1.0000	6	4	.11147	.9938	6
.5	.00873	1.0000	5	5	.11320	.9936	5
.6	.01047	0.9999	4	6	.11494	.9934	4
.7	.01222	.9999	3	7	.11667	.9932	3
.8	.01396	.9999	2	8	.11840	.9930	2
.9	.01571	.9999	1	9	.12014	.9928	1
1.0	.01745	0.9998	89 0	7 0	.12187	0.9925	83 0
.1	.01920	.9998	9	1	.12360	.9923	9
.2	.02094	.9998	8	2	.12533	.9921	8
.3	.02269	.9997	7	3	.12706	.9919	7
.4	.02443	.9997	6	4	.12880	.9917	6
.5	.02618	.9997	5	5	.13053	.9914	5
.6	.02792	.9996	4	6	.13226	.9912	4
.7	.02967	.9996	3	7	.13399	.9910	3
.8	.03141	.9995	2	8	.13572	.9907	2
.9	.03316	.9995	1	9	.13744	.9905	1
2.0	.03490	.9994	88 0	8 0	.13917	0.9903	82 0
.1	.03664	.9993	9	1	.14090	.9900	9
.2	.03839	.9993	8	2	.14263	.9898	8
.3	.04013	.9992	7	3	.14436	.9895	7
.4	.04188	.9991	6	4	.14608	.9893	6
.5	.04362	.9990	5	5	.14781	.9890	5
.6	.04536	.9990	4	6	.14954	.9888	4
.7	.04711	.9989	3	7	.15126	.9885	3
.8	.04885	.9988	2	8	.15299	.9882	2
.9	.05059	.9987	1	9	.15471	.9880	1
3.0	.05234	0.9986	87 0	9 0	.15643	0.9877	81 0
.1	.05408	.9985	9	1	.15816	.9874	9
.2	.05582	.9984	8	2	.15988	.9871	8
.3	.05756	.9983	7	3	.16160	.9869	7
.4	.05931	.9982	6	4	.16333	.9866	6
.5	.06105	.9981	5	5	.16505	.9863	5
.6	.06279	.9980	4	6	.16677	.9860	4
.7	.06453	.9979	3	7	.16849	.9857	3
.8	.06627	.9978	2	8	.17021	.9854	2
.9	.06802	.9977	1	9	.17193	.9851	1
4.0	.06976	0.9976	86 0	10 0	.1736	0.9848	80 0
.1	.07150	.9974	9	1	.1754	.9845	9
.2	.07324	.9973	8	2	.1771	.9842	8
.3	.07498	.9972	7	3	.1788	.9839	7
.4	.07672	.9971	6	4	.1805	.9836	6
.5	.07846	.9969	5	5	.1822	.9833	5
.6	.08020	.9968	4	6	.1840	.9829	4
.7	.08194	.9966	3	7	.1857	.9826	3
.8	.08368	.9965	2	8	.1874	.9823	2
.9	.08542	.9963	1	9	.1891	.9820	1
5.0	.08716	0.9962	85 0	11 0	.1908	0.9816	79 0
.1	.08889	.9960	9	1	.1925	.9813	9
.2	.09063	.9959	8	2	.1942	.9810	8
.3	.09237	.9957	7	3	.1959	.9806	7
.4	.09411	.9956	6	4	.1977	.9803	6
.5	.09585	.9954	5	5	.1994	.9799	5
.6	.09758	.9952	4	6	.2011	.9796	4
.7	.09932	.9951	3	7	.2028	.9792	3
.8	.10106	.9949	2	8	.2045	.9789	2
.9	.10279	.9947	1	9	.2062	.9785	1

PLAN NOW!!

1981 NRC CONVENTION

ATTENTION NRC'ers ONE AND ALL:

It's now official, and North Jersey has won the bid to host the 1981 NRC convention. This is the first time since 1970 we have had a convention in the New York Metropolitan Area, and the first time since 1975 when we have had a convention in the Northeast. In 1970, we had 72 members registered, which set a record. We hope to break that number in 1981, and we will, with your help. Make your plans early to attend. The actual site will be announced as soon as firm arrangements are made, but we expect to have a site in Western Morris County, near Routes 80 and 46, which is located about 40 miles west of New York City. Reception conditions are excellent, and there should be little QRM. There are several electronics suppliers nearby, and several restaurants. For the amateurs in the ranks, we will have 2-meter communications on site, courtesy of a local repeater, as well as simplex.

More details will be announced as soon as we have things firm'd up, but don't let that hold up your plans!

Thanks & 73's:

Russ Edmunds (WB2BJH) and Rob Stonier (KA2DLT)
Committee Chairpersons

DEGREE	SINE	COSINE	DEGREE	DEGREE	SINE	COSINE	DEGREE
12.0	0.2079	0.9781	78 0	19.0	0.3256	0.9455	71.0
.1	.2096	.9778	.9	.1	.3272	.9449	.9
.2	.2113	.9774	.8	.2	.3289	.9444	.8
.3	.2130	.9770	.7	.3	.3305	.9438	.7
.4	.2147	.9767	.6	.4	.3322	.9432	.6
.5	.2164	.9763	.5	.5	.3338	.9426	.5
.6	.2181	.9759	.4	.6	.3355	.9421	.4
.7	.2198	.9755	.3	.7	.3371	.9415	.3
.8	.2215	.9751	.2	.8	.3387	.9409	.2
.9	.2233	.9748	.1	.9	.3404	.9403	.1
13.0	0.2250	0.9744	77.0	20.0	0.3420	0.9397	70.0
.1	.2267	.9740	.9	.1	.3437	.9391	.9
.2	.2284	.9736	.8	.2	.3453	.9385	.8
.3	.2300	.9732	.7	.3	.3469	.9379	.7
.4	.2317	.9728	.6	.4	.3486	.9373	.6
.5	.2334	.9724	.5	.5	.3502	.9367	.5
.6	.2351	.9720	.4	.6	.3518	.9361	.4
.7	.2368	.9715	.3	.7	.3535	.9354	.3
.8	.2385	.9711	.2	.8	.3551	.9348	.2
.9	.2402	.9707	.1	.9	.3567	.9342	.1
14.0	0.2419	0.9703	76.0	21.0	0.3584	0.9336	69.0
.1	.2436	.9699	.9	.1	.3600	.9330	.9
.2	.2453	.9694	.8	.2	.3616	.9323	.8
.3	.2470	.9690	.7	.3	.3633	.9317	.7
.4	.2487	.9686	.6	.4	.3649	.9311	.6
.5	.2504	.9681	.5	.5	.3665	.9304	.5
.6	.2521	.9677	.4	.6	.3681	.9298	.4
.7	.2538	.9673	.3	.7	.3697	.9291	.3
.8	.2554	.9668	.2	.8	.3714	.9285	.2
.9	.2571	.9664	.1	.9	.3730	.9278	.1
15.0	0.2588	0.9659	75.0	22.0	0.3746	0.9272	68.0
.1	.2605	.9655	.9	.1	.3762	.9265	.9
.2	.2622	.9650	.8	.2	.3778	.9259	.8
.3	.2639	.9646	.7	.3	.3795	.9252	.7
.4	.2656	.9641	.6	.4	.3811	.9245	.6
.5	.2672	.9636	.5	.5	.3827	.9239	.5
.6	.2689	.9632	.4	.6	.3843	.9232	.4
.7	.2706	.9627	.3	.7	.3859	.9225	.3
.8	.2723	.9622	.2	.8	.3875	.9219	.2
.9	.2740	.9617	.1	.9	.3891	.9212	.1
16.0	0.2756	0.9613	74.0	23.0	0.3907	0.9205	67.0
.1	.2773	.9608	.9	.1	.3923	.9198	.9
.2	.2790	.9603	.8	.2	.3939	.9191	.8
.3	.2807	.9598	.7	.3	.3955	.9184	.7
.4	.2823	.9593	.6	.4	.3971	.9178	.6
.5	.2840	.9588	.5	.5	.3987	.9171	.5
.6	.2857	.9583	.4	.6	.4003	.9164	.4
.7	.2874	.9578	.3	.7	.4019	.9157	.3
.8	.2890	.9573	.2	.8	.4035	.9150	.2
.9	.2907	.9568	.1	.9	.4051	.9143	.1
17.0	0.2924	0.9563	73.0	24.0	0.4067	0.9135	66.0
.1	.2940	.9558	.9	.1	.4083	.9128	.9
.2	.2957	.9553	.8	.2	.4099	.9121	.8
.3	.2974	.9548	.7	.3	.4115	.9114	.7
.4	.2990	.9542	.6	.4	.4131	.9107	.6
.5	.3007	.9537	.5	.5	.4147	.9100	.5
.6	.3024	.9532	.4	.6	.4163	.9092	.4
.7	.3040	.9527	.3	.7	.4179	.9085	.3
.8	.3057	.9521	.2	.8	.4195	.9078	.2
.9	.3074	.9516	.1	.9	.4210	.9070	.1
18.0	0.3090	0.9511	72.0	25.0	0.4226	0.9063	65.0
.1	.3107	.9505	.9	.1	.4242	.9056	.9
.2	.3123	.9500	.8	.2	.4258	.9048	.8
.3	.3140	.9494	.7	.3	.4274	.9041	.7
.4	.3156	.9489	.6	.4	.4289	.9033	.6
.5	.3173	.9483	.5	.5	.4305	.9026	.5
.6	.3190	.9478	.4	.6	.4321	.9018	.4
.7	.3206	.9472	.3	.7	.4337	.9011	.3
.8	.3223	.9466	.2	.8	.4352	.9003	.2
.9	.3239	.9461	.1	.9	.4368	.8996	.1
DEGREE	COSINE	SINE	DEGREE	DEGREE	COSINE	SINE	DEGREE

DEGREE	SINE	COSINE	DEGREE	DEGREE	SINE	COSINE	DEGREE
26.0	0.4384	0.8988	64.0	33.0	0.5446	0.8387	57.0
.1	.4399	.8980	.9	.1	.5461	.8377	.9
.2	.4415	.8973	.8	.2	.5476	.8368	.8
.3	.4431	.8965	.7	.3	.5490	.8358	.7
.4	.4446	.8957	.6	.4	.5505	.8348	.6
.5	.4462	.8949	.5	.5	.5519	.8339	.5
.6	.4478	.8942	.4	.6	.5534	.8329	.4
.7	.4493	.8934	.3	.7	.5548	.8320	.3
.8	.4509	.8926	.2	.8	.5563	.8310	.2
.9	.4524	.8918	.1	.9	.5577	.8300	.1
27.0	0.4540	0.8910	63.0	34.0	0.5592	0.8290	56.0
.1	.4555	.8902	.9	.1	.5606	.8281	.9
.2	.4571	.8894	.8	.2	.5621	.8271	.8
.3	.4586	.8886	.7	.3	.5635	.8261	.7
.4	.4602	.8878	.6	.4	.5650	.8251	.6
.5	.4617	.8870	.5	.5	.5664	.8241	.5
.6	.4633	.8862	.4	.6	.5678	.8231	.4
.7	.4648	.8854	.3	.7	.5693	.8221	.3
.8	.4664	.8846	.2	.8	.5707	.8211	.2
.9	.4679	.8838	.1	.9	.5721	.8202	.1
28.0	0.4695	0.8829	62.0	35.0	0.5736	0.8192	55.0
.1	.4710	.8821	.9	.1	.5750	.8181	.9
.2	.4726	.8813	.8	.2	.5764	.8171	.8
.3	.4741	.8805	.7	.3	.5779	.8161	.7
.4	.4756	.8796	.6	.4	.5793	.8151	.6
.5	.4772	.8788	.5	.5	.5807	.8141	.5
.6	.4787	.8780	.4	.6	.5821	.8131	.4
.7	.4802	.8771	.3	.7	.5835	.8121	.3
.8	.4818	.8763	.2	.8	.5850	.8111	.2
.9	.4833	.8755	.1	.9	.5864	.8100	.1
29.0	0.4848	0.8746	61.0	36.0	0.5878	0.8090	54.0
.1	.4863	.8738	.9	.1	.5892	.8080	.9
.2	.4879	.8729	.8	.2	.5906	.8070	.8
.3	.4894	.8721	.7	.3	.5920	.8059	.7
.4	.4909	.8712	.6	.4	.5934	.8049	.6
.5	.4924	.8704	.5	.5	.5948	.8039	.5
.6	.4939	.8695	.4	.6	.5962	.8028	.4
.7	.4955	.8686	.3	.7	.5976	.8018	.3
.8	.4970	.8678	.2	.8	.5990	.8007	.2
.9	.4985	.8669	.1	.9	.6004	.7997	.1
30.0	0.5000	0.8660	60.0	37.0	0.6018	0.7986	53.0
.1	.5015	.8652	.9	.1	.6032	.7976	.9
.2	.5030	.8643	.8	.2	.6046	.7965	.8
.3	.5045	.8634	.7	.3	.6060	.7955	.7
.4	.5060	.8625	.6	.4	.6074	.7944	.6
.5	.5075	.8616	.5	.5	.6088	.7934	.5
.6	.5090	.8607	.4	.6	.6101	.7923	.4
.7	.5105	.8599	.3	.7	.6115	.7912	.3
.8	.5120	.8590	.2	.8	.6129	.7902	.2
.9	.5135	.8581	.1	.9	.6143	.7891	.1
31.0	0.5150	0.8572	59.0	38.0	0.6157	0.7880	52.0
.1	.5165	.8563	.9	.1	.6170	.7869	.9
.2	.5180	.8554	.8	.2	.6184	.7859	.8
.3	.5195	.8545	.7	.3	.6198	.7848	.7
.4	.5210	.8536	.6	.4	.6211	.7837	.6
.5	.5225	.8526	.5	.5	.6225	.7826	.5
.6	.5240	.8517	.4	.6	.6239	.7815	.4
.7	.5255	.8508	.3	.7	.6252	.7804	.3
.8	.5270	.8499	.2	.8	.6266	.7793	.2
.9	.5284	.8490	.1	.9	.6280	.7782	.1
32.0	0.5299	0.8480	58.0	39.0	0.6295	0.7771	51.0
.1	.5314	.8471	.9	.1	.6307	.7760	.9
.2	.5329	.8462	.8	.2	.6320	.7749	.8
.3	.5344	.8453	.7	.3	.6334	.7738	.7
.4	.5358	.8443	.6	.4	.6347	.7727	.6
.5	.5373	.8434	.5	.5	.6361	.7716	.5
.6	.5388	.8425	.4	.6	.6374	.7705	.4
.7	.5402	.8415	.3	.7	.6388	.7694	.3
.8	.5417	.8406	.2	.8	.6401	.7683	.2
.9	.5432	.8396	.1	.9	.6414	.7672	.1
DEGREE	COSINE	SINE	DEGREE	DEGREE	COSINE	SINE	DEGREE

DEGREE	SINE	COSINE	DEGREE	DEGREE	COSINE	SINE	DEGREE
				43.0	0.6820	0.7314	47.0
				.1	.6833	.7302	.9
				.2	.6845	.7290	.8
40.0	0.6428	0.7660	50.0	.3	.6858	.7278	.7
.1	.6441	.7649	.9	.4	.6871	.7266	.6
.2	.6455	.7638	.8	.5	.6884	.7254	.5
.3	.6468	.7627	.7	.6	.6896	.7242	.4
.4	.6481	.7615	.6	.7	.6909	.7230	.3
.5	.6494	.7604	.5	.8	.6921	.7218	.2
.6	.6508	.7593	.4	.9	.6934	.7206	.1
.7	.6521	.7581	.3				
.8	.6534	.7570	.2	44.0	0.6947	0.7193	46.0
.9	.6547	.7559	.1	.1	.6959	.7181	.9
				.2	.6972	.7169	.8
41.0	0.6561	0.7547	49.0	.3	.6984	.7157	.7
.1	.6574	.7536	.9	.4	.6997	.7145	.6
.2	.6587	.7524	.8	.5	.7009	.7133	.5
.3	.6600	.7513	.7	.6	.7022	.7120	.4
.4	.6613	.7501	.6	.7	.7034	.7108	.3
.5	.6626	.7490	.5	.8	.7046	.7096	.2
.6	.6639	.7478	.4	.9	.7059	.7083	.1
.7	.6652	.7466	.3				
.8	.6665	.7455	.2	45.0	0.7071	0.7071	45.0
.9	.6678	.7443	.1				
42.0	0.6691	0.7431	48.0				
.1	.6704	.7420	.9				
.2	.6717	.7408	.8				
.3	.6730	.7396	.7				
.4	.6743	.7385	.6				
.5	.6756	.7373	.5				
.6	.6769	.7361	.4				
.7	.6782	.7349	.3				
.8	.6794	.7337	.2				
.9	.6807	.7325	.1				

Note: Now everyone can compute all Graveyard distances with complete accuracy with the same standards for Bill Bergadano's Graveyard DX Achievements column. Ed.

GET TOGETHER

umdx

university of manitoba dx-sw1 club

room 517 box 131 university centre winnipeg canada R3T 2N2

The University of Manitoba DX-Shortwave Listeners Club (UMDX) will be holding a Listeners Get-Together, THURSDAY OCTOBER 9th, 1980 at 7:00pm, in the University Centre Building, University of Manitoba, located in South Winnipeg.

All Manitoba region listeners are invited to attend, whether they be experienced DXers or a newcomer to the hobby. Find out more about the SWL hobby in Manitoba and about one of North America's unique radio clubs ... UMDX.

Interesting displays as well as refreshments are planned for the Get-Together. For more information, write UMDX at the address above or in Manitoba call 474-8233 (No collect calls please). We hope to see you there.

Manitoba region's infamous MW DXers are asked to appear too!!!

CANADIAN FAMILY LIFE UPDATE

John Oldfield
7135 129A Street
Surrey, BC Canada
V3W 6T4

June 20, 1980

Updater: NRC DX News Volume 46 Number 5 Pages 13-15
Canadian Family Life--It's Twins! * mother (s) studio

AB: Alberta

*CHEC-1090 & CMTA-1570(s) Lethbridge/Taber "Check Radio"
*CJOC-1220 & CJPR-1490(s) Lethbridge/Blairmore "C-jock"/"Pass Radio"
*CJDV- 910 & CKBR-1340(s) "Big Country Radio"
Drumheller/Brooks/Stettler
*CJYR- 970 & CNYR-1450 & CNYR-1-1230 & CFYR-1400 & CIYR-1230
Edson/Jasper/Grande Cache/Whitecourt/Hinton "Y-R Radio" "Yellowhead Radio"
Note that the last 3 are unmanned 50 watt lprts. Two are on 1230.
*CIOK-1310 & CIOK-1-1340 St. Paul/Grand Centre
Note that CJOK/CPOK/CIOK/CIOK-1(same owners) again indicated they may apply to twin all on the AN show.
CJDV owners bought CKCR-1330 & may apply for AN twinning.
CFCH-1060 Calgary has a SWL relay(CFVP 6030 kHz.). Call letters not used.

SK: Saskatchewan

*CJFB-1050 & CJJS-1240(s) North Battleford/Meadow Lake "Plus Two Radio"
*CJSL-1190 & CJSL-1280(s) Weyburn/Estevan "Soo Line" "S-L Radio"
*CKSW- 570 & CJSP-1490(s) Swift Current/Shanavon "SW-S" "Southwest Sask. R."

MB: Manitoba

*CFAR- 590 & CJAR-1240(s) Flin Flon/The Pas "Arctic Radio"...own CFTM-610.
*CFAN- 950 & CFSK-1250(s) & CJRB-1220(s) "Radio Southern Manitoba"
Altona/Steinbach/Boissevain...some separate ads.
*CHEM-FM Winnipeg 97.5 feeds its AN show to 9 stations in NW Ontario.

BC: British Columbia

*CJDC-1350 & C -1450(s) Dawson Creek/Chetwynd
*CISL- 940 & C -1600(s) Richmond/Delta...Delta on by 1981-82
*CFPC-1440 & CFWB-1490(s) & CFNI-1240(s) "Coast Radio"...also own CHQB-1280.
Courtenay/Campbell River/Port Hardy
*CEWK-1270 & CFVR- 850(s) & CKGO-1240(s) & FM lprt. "Fraser Valley Radio"
Chilliwack/Abbotsford/Hope/Boston Bar(FM)
Note: CFVR twins the AN show. All use pre-timed separate IDs plus "FVR".
*CKEK- 570 & CFER-1240(s) Cranbrook/Fernie "EK" or "East Kootenay Radio"
*CKKC-1390 & CFKD-1340(s) Nelson/Creston "KC" or "Kootenay Country Radio"
*CKKR- 580 & CKCR-1340(s) & CKGR-1400 "R Country" "KR-OR-GR" "First Voice
West of the Rockies"
Salmon Arm/Revelstoke/Golden
*CKOK- 800 & CFSP-1450(s) & CKOO-1240(s) & CKOC-1-1490 & CKEP-1540(s)
Penticton/Sumnerland/Osoyoos/Oliver/Grand Forks "OK" or "Okanagan-Boundary R."
CKGF has new owners & may no longer twin. **PRE-TIMED SEPARATE IDs ARE ALSO USED.**
*CHUB-1570 & CFHQ-1570(s) Nanaimo/Parksville-Qualicum Beach
*CHLL- 10 & CHLL-1230(s) & CHLL-1400(s) & CHLL-1-1490 "LL Radio"
Kamloops/Merritt/Princeton/Clearwater. Note: 2 on 1400.
*CKCQ- 920 & CKWL- 570(s) & CKEL-1240(s) "Cariboo Radio"
Quesnel/Williams Lake/100 Mile House

Note: Cariboo bought by CFVJ/CJCI & may apply to twin all on AN show.
*CFRG- 550 & CJRH-1240(s) Prince George/Inverness
*CKHL- 560 & CFIL- 590(s) Ft. St. John/Ft. Nelson "HL-Alaska Highway Radio"
*CFTH- 590 & CJTH-1250(s) Terrace/Titima "TH Radio"
*CJCI- 820 & CJVE-1340(s) & CJFJ-1480 & CJFL-1450. Last 2 are 50 watt lprts.
Prince George/Vanderhoof/Ft. St. James/Fraser Lake
*CFBV-1250 & CFIL-1400(s) & CFVJ-1450 & CJWV-1490 & CFIL-1400. Last 3 50w.
Smithers/Burns Lake/Houston/Hazelton/Granisle. BV-Bunkley Valley
Note: CJCI & CFVJ join networks for the AN show(10:30-6am LT).
CI : Central(or Trans) Interior Network. Note 2 lprts on 1430.
Note: CEU-590 & CKWX-1130(both Vancouver) have SWL relayers
CKZU-6160 kHz. & CKTX-6080 kHz. Calls not used.

OH: Ontario

*CHEL-FM Winnipeg feeds its AN show to 9 stations in NW Ontario.
They are: CJRL-1220 Kenora, CKDR-900 Dryden & lprts, & CPOB-800 Ft. Frances & lprt. CKDR twins carry separate local ads & some separate IDs.
*CKDR-900 & CKIG-1340 & C -1490 & C -1450 & C -1400, & FM Red Lake, Dryden/Ignace/Ear Falls/Hudson/Sioux Lookout/FM at Red Lake. All twins 50w.
*CPOB-800 & CPAK-1240 Fort Frances/Atikokan...50 watt twin-lprt.
*CFIX-1170 & CHER-1060 Cornwall/Hawkesbury...French. Note: CFIX has a night CP for 7777 kHz. When CHER finds a freq. they will also go Nights.
*CFOS- 560 & CFPS-1490(s) Owen Sound/Port Elgin
*CJKL-560 & CJTT-1230(s) Kirkland Lake/New Liskeard
*CKBB- 950 & CKCB-1400(s) Barrie/Collingwood
*CFBE- 330 & CFBQ-1340(s) Huntsville/Parry Sound
*CJBE- 800 & CJHE-1240(s) & CJTE-1270(s) Belleville/Bancroft/Trenton.
CJTE at times twins CKLE-FM(CJBE-FM).
*CFGL- 620 & CFHL-1340(s) & CFLL-1230(s) Timmins/Hearst/Hapuskasung. FRENCH.
*CJLR- 730 & CJLR-1340(s) & CJLS- 930(s) Blind River/Elliott Lake/Spanola.
CKIS carries much local pgs. Most nights CKIR becomes the "mother".
*CFYH-1050 & CJWA-1240(s) Sault Ste. Marie/Wawa. May no longer twin.
CFRB-1010 Toronto has a SWL relay, CFRK 6070 kHz. Calls not used.

PQ: Québec All are French, except CFCF(CFCX).

*CFPL-1000 & CFVL-1220(s) Rimouski/Amqui. Twins 50% of the time.
*CIRB-1450 & CIRB-1240(s) St.-Georges-de-Beauce/Lac-Etchemin
*CJBR- 900 & CJEM-1450(s) Rimouski/Causapscal. Now CBC(SRC) owned.
Was said to want to change calls to CBI & CBSI & to relay CBGA-1250.
*CKVM- 710 & CKVT-1340(s) Ville-Marie/Rensselaire
*CHNC- 610 & C -1150(s) & C -1450 New Carlisle/Gaspé/Hurdochville
*CJFP-1400 & CJAF-1240(s) & CHER-1450(s)
Riviere-du-Loop/~~St.-Augustin~~/~~Ville-Bergeron~~/Cabano/Pohénégamook(St.-Eustache)
*CHGB-1310 & CHAL-1350(s) & CFVD-1370(s) La-Pocatière/St.-Pamphile/Ville-Degelis
*CKCN- 500 & CIPC- 710(s) Sept-Îles/Port-Cartier
*CHVD-1250 & CJTD-1240(s) & CHED-1340(s) Dolbeau/Chibougamau/Chapais
*CKRT-1400 & CKLS-1240(s) & CHAD-1340(s) & CKVD-900(s),
Rouyn/La-Sarre/Amos/Val-d'Or
*CHEL- 610 & CKIG-1340(s) & CKSJ-1400(s) & CJLR-1490(s) "Réseau des Laurentides"
Maniwaki/St.-Jovite/L'Association
Mont-Laurier
*CHLC- 580 & CERP- 620(s) Hauterive/Forrestville
*CHLD-1330 & CHDA-1380(s) & CKTL-1420(s) & CJLP-1230(s) &
& CHPL-1400(s). Thetford Mines/Victoriaville/~~St.-Augustin~~/Plessisville/
Asbestos/Dismal/Lac-Mégantic/ "Réseau de l'Appalaches"
*CFCF-600 Montreal(English) has a SWL relay, CFCX, 6005 kHz. Call not used.

NB: New Brunswick

*CJEM- 570 & CNIV-1490(s) Edmundston/Grand Falls...FRENCH/Bilingual-ENGLISH
CJVA- 810 Caraquet may later twin with CJEM/CKIV & the new C...-1380 Moncton
*CKCW-1220 & CJCW- 590(s) Moncton/Sussex. CJCW studio time: 0500-1200.
*CJJC# 920 & C -1240 or 730 Woodstock/Grand Falls...application only

NS: Nova Scotia

*CKAD-1350 & CKDY-1420 & CHER-1490 & CFAD-1450...all have (s)
Midleton/Digby/Kentville/Windsor
*CKBW-1000 Bridgewater applied for 2 twins at Liverpool/Shelburne
but may use FM vs AM
*CHNS- 960 Halifax has a SWL relay, CHNX-6130 kHz.
*CJCB-1270 Sydney has a SWL relay, CJCX-6010 kHz.

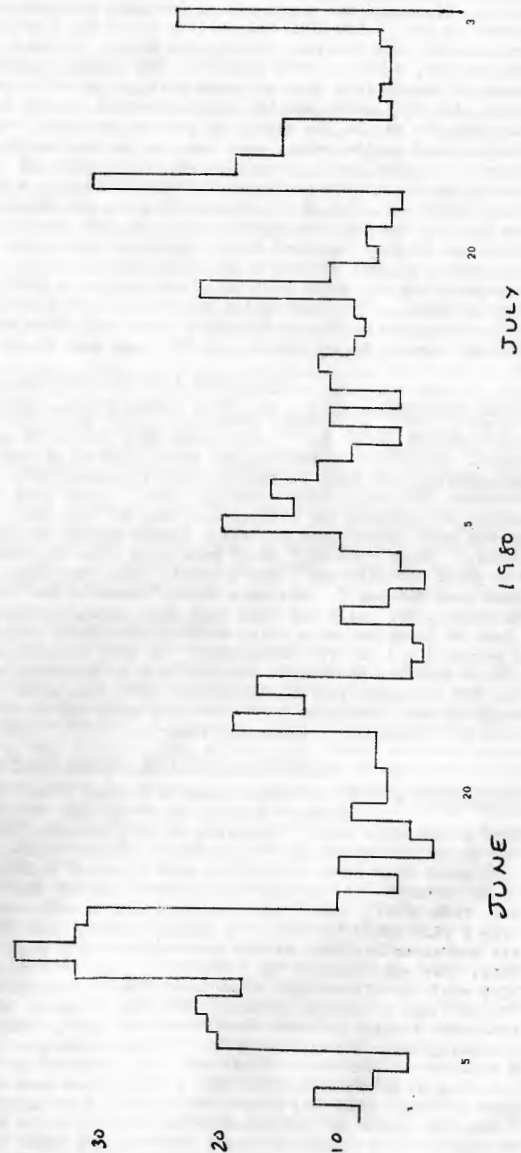
NF: Newfoundland and Labrador

*CJYQ- 930 & CFYQ-1350(s) & CIYQ- 580(s) & CHYQ- 970(s) & C - 970(s)
St. John's/Gander/Grand Falls/Grand Bank/Luscomb/Harbour Grace/C Systems
*VOCM- 520 & CKGA- 730(s) & CECH- 560(s) & CCM- 520(s) & CHYO-710(s) &
CKBI-1240(s) & C - 850(s). Colonial Broadcasting.
St. John's/Gander/Marytown/Grand Falls/Clareville/Baie Verte/Spaniard's
Bay---Harbour Grace
*CFCD- 570 & CFEN-1230(s) & CFEM- 790(s) plus 4 FM twins
Corner Brook/Point aux Basques/Point aux Choix. Lumber Brg.
*CFW-1230(s) & CFEM-1340(s) Wabush/Happy Valley---Coase Bay
Lumber Brg...Both originate about 50% of the programming
*CBN-640 St. John's has a SWL relay, CKSL, 6160 kHz.

CFSX-910 Stephenville may also be attwin of CFCB...

Thanks to Denis Beauregard for help with Quebec & Maritimes.
Changes/updates always welcomed.

This graph shows the daily variations in A_{F} , the Fredericksburg (VA) index of geomagnetic activity in the earth's magnetic field. High values (above 20) indicate that medium wave signals in upper latitude paths will likely be absorbed, thus resulting in "auroral conditions", with signals from the South and from local stations predominating due to this absorption of the more northerly signals. Low values over 10 indicate a likelihood of more receptions on the higher-latitude paths -- more, and more clearly, VAs and IP's. Several days of low values following higher ones are needed for conditions to be "normal", due to residual absorption. Long periods of extremely low values (6 or less) are abnormal, to raise the possibility of good high-latitude conditions throughout the entire MW band, although this is not the only requirement. For additional information on the use of the A_{F} and related indices as a DX tool, consult the NRC Reprints List for relevant articles. --KJL



MUSINGS

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

UNCONVENTIONAL CONVENTION!

GREG MONTI - 1110 Fidler Lane #1124 - Silver Spring, Maryland - 20910

It wasn't long after I'd recovered from my WC vacation when it was time to depart for Louisville Ky. & the IRCA convention. TED FLITSCHAKER, naturally, was the convention host. He picked out a real fancy downtown hotel to impress us and showed us all the good places to eat. The IRCA hospitality suite was always a beehive of activity, with many DX/programming bull sessions going on at once. I got to meet DXers from all over, whether in IRCA or not, such as STEVE SCHAEFER, JIM WALLACE, ERNIE COOPER, RICH SEGALAS, and a whole bunch of people from Ohio who made strange noises a lot. I also ran into people I'd met before, like PAUL MOUNT and the well-travelled GEORGE GREENE. I also got to meet BC's ERIC AND CARLSON, who was in the middle of a cross-sectional vacation, stopping at DX conventions and DXers' homes on the way. Good to have you in Washington for the few hours you were here, Erland! I also had a discussion of the FM table of allocations with Michigan's PHIL BOERSMA. Convention highlights included the WHAS/WAMZ tour, & the visit to Shelbyville, Ky. where we toured WCND-940, ate at the Colonel's Lady, and stopped by the WHAS-840 XR site. Much of the rest of the time was spent sitting in the Jacuzzi half the night, finding a nonexistent Frenchman at the Greyhound depot, having a fire drill in the hotel at 4:45 on Sunday morning and tuning all the receivers in stereo stores to 90.5 mHz. Ted ran a fine convention. Now, he's deciding which one will be in Louisville in 1982. It's an every-other-year tradition, I understand. This convention was really just a Louisville convention, not strictly the IRCA convention. We had attendees from many clubs and regions, which is as it should be. The Fall season is on its way, so 73's and good DX to all.

JOE'S HOME FROM THE HOSPITAL - WITH MEMORIES

J. W. BRAUNER - R.D. 1 - Box 153 - Punxsutawney, Pennsylvania - 8/31/80
Had summer greetings. Hot WX, a three-week stay in the hospital combined to make limited DX lately. July added only WKKW-1260 on RS @ 3am, 7/20. August almost drew a blank. On 8/30 WGGG was hogging 1590 @ 8pm so we stayed for the 8:15 s/off and sure enough much-wanted WJBT made it weakly briefly through WAKR. Then Sunday 8/31 @ 10am the new Monroeville, Pa. call, WRUE, ided on 1510. I had been checking this spot and getting WAHT at midday so possibly the station had been off the air. DX NEWS #29 was (to me at least) one of the most interesting in years, thanks to all who made it so. BRIAN VERNON and his Canadians. Those 'phantom' calls were in a class by themselves. CKTB was a semi-local to me for years but like ERC I don't recall that beer logo. But I do remember CKGW's "Canadians Know Good Whiskey." Nestle's CKOW, "Canada's KOW" and all those CNR calls from Moncton to Vancouver, CPR calls and CKSM used only during services at St. Michaels. Ernie's imposing list of Brooklyn calls bring to mind WFWV-1400, logged as of 11/1/33 @ 6pm. A report brought a personal v/l on WFWV letterhead. A f/up explaining what was desired got another FVL which stated that the call heard was WFWV and an explanation that WFWV was used very briefly while the VFW untangled red tape to obtain WFWV (logged on 11/15/33 @ 7pm). The WV block had been reserved for government use. The VFW made the first breakthrough. I wonder how many DXers have WFWV verified? Memories, memories! 73. (Not me, & I lived in Brooklyn! -ERC)

HAVING A HIGH TIME TRYING FOR WLSJ!

ROSS MURPHY - 1358 Lindbergh Avenue - Roslyn, Pennsylvania - 19001

I see the big thing in these hazy sessions is exposing the "coded message" behind a station's call. Speaking of call letters, one station with a very suspicious call has eluded me for the last nine years - namely WLSJ-1220, Big Stone Gap, Va. Why any station would want to be identified with a potent hallucinogen is beyond me, although I've noticed stranger--er, queerer call cases-- namely WFAG and WIPS, both 1250 (the message is stay away from 1250!) Now I unfortunately have a wild enough imagination to guess what reception from a WLSJ would be like. I picture tuning into 1220 at sundown one evening and hearing old Jefferson Airplane albums interspersed with giggling and announcements which run like this: "Hey man, look at the colors." I am not wild enough to imagine what a verie from WLSJ would be like or let alone solve the riddle behind Big Stone Gap, the alleged town where WLSJ's vibes originate (although I'm sure it has a lot of "meaning"). Anyway my big disappointment in life is that there's no W or KPOT. DXing in August was a boom, August being generally less stormy than July. I even had a good MM on 8/18, logging WTMA-1250 w/WTAE off & WGE-1310 w/WCAM off. I believe I logged my first Wisconsin station around 10:50pm on 8/30 catching an ID which was 65% WEMP & 35% WDAA-- that was on 1250 behind the Cowboy-Steeler game on WTAE. WEMP (?) played what seemed like non-stop c/w mx & the announcer was female. I have not ruled out the possibility of WDVA, a c/w station which came barreling in after midnight. Did I log Wisconsin, that biggest tease in all the 50 states? Did I log Tampa? Help me out. So long & 73s. (WLSJ had those calls long before the "invention" of LBJ, Ross. WFAG's calls had to do with cigarettes (fags) in tobacco country; they've changed calls recently though -ERC)

BE SURE TO INCLUDE RETURN POSTAGE WITH ALL REQUESTS FOR VERIFICATIONS! THIS IS A NATIONAL RADIO CLUB COURTESY WHICH GOES BACK MANY YEARS - DECADES, EVEN!

SUMMER FOLLOW-UPS WERE SUCCESSFUL

KARL FORTH - 2714 North LeClaire - Chicago, Illinois - 60639

WJPC-950 is now 24 hours! The change occurred at 7:45pm CDT on August 9, 1980 when, instead of the usual s/off, an announcement was made that WJPC would be going 24 hours (ouch)! This was the "secret" that various personalities (Gladys Knight, Chaka Khan, etc.) had been promoting since the Spring, "Sure as April showers bring May flowers, WJPC's soon gonna be...." The night XR is located in South suburban Burnham, and is easily nullled here, leaving WJW & KILN. The BCB season has begun here after a Summer of inactivity. The first new station was WMBT-1530 concluding ET or f/c of rock mx w/SID @ 1:51am on 8/25. KKBJ-1260 was heard at 2:05am, also on 8/25, w/ET, OC, ID, & "North Country" jingles. WNYR-990 heard at 4:34 a.m. w/WOX w/PSA, WX, & pop/country mx to round out the morning. On 8/28 WERG-1050 was heard w/s/on @ 5:59am, no SSB heard. This Summer's f/ups produced the following veries: v/g- WHWE-1000, WIBA-1310. v/l- CKBI-900. v/- WSLM-1220 CKGB-680. v/FP/c- KQZY-1320 WPPA-1260 WGNV-1220 WELW-1330 WXYQ-1010 WJJP-1530 KSRB-1570 WRWV-1140 WNIL-1290 CPCH-600 WESY-1580 WGSW-940 CKXL-1140 & WWIT-970. MARK STRICKERT, welcome back to Chicago.

WCFL-1000 WILL CHANGE FORMAT

KEN QWYSCHUK - 239 Fir - Park Forest, Illinois

A lot of news to report. Aug. 8, WJPC Chicago went 24 hours. I didn't know about it for four days, when I tuned in 950 about 6:55am & heard soul mx, then Tom Joyner comes in w/"Welcome to the new 24-hour WJPC." Oh brother! The night towers are at 142nd St. West of Burnham Avenue and the change in power & pattern at 9pm is noticeable here. I'm about 18 miles SW of Burnham. Also WCFL will be dropping its disastrous NX/TK format soon for a change to music, probably popular. They're losing millions & a change was badly needed for the lowest rated 50,000w AM station in broadcasting history - less than 1/2 of 1% of the Chicago audience. Also the Century Broadcasting Stations WAIT-WLOO is doing very well. WLOO (FM-100) is #1 FM in Chicago w/its BFL mx, which I happen to like during my wake-up morning hours. WAIT has played more MOR than EZL to show that they don't want duplication. By the way, WCFL popular SX host Chuck Swirsky has signed up with FM rocker WLUP and will take his SX show to Sunday night, probably in mid-September. Personal DX stuff; 5/25- WDOV-1410 Del. in w/WX @ 10:45pm, then full ID @ 11 for a new state by surprise. No WING at time - very nice. Next night I hear EQV @ 12:08am w/all-NX. 7/19, another f/c to put up with. I decided to put up with it, ID or no ID. Lo & behold, on 690, WZAP Va. is beautiful @ 2am. Occasionally I'll try to ID but the no-shows are enough to make a guy wonder why I wated my time, many feel the same. 8/3, I tried to get Texas WX @ SRS on KRID this AM, about 6:45, but instead, a new Mich. came in, WQAP. That gives me about 54 to date. They're no big deal to me. But I'll log it anyway. SRS WX reports of interest to all; WQAI @ 6:30 & WHO @ 6:45 - very thorough reports. Several Chicago stations at Chicago-Fest at Navy Pier this year, with souvenirs & celebrities: WOJO-WCLR-WGN-WBWX-WRCK-WFMT-WLUP-WKQX-WLS & the WCFL Lost & Found Dept'. WFMT gave out some very attractive dial scans, I'll send one to ERC. (Thank you! -ERC) I'm spending a lot of time at the P.F. Library lately. They've got 1980 Broadcasting Yearbook (all \$55 of it - wow) & Standard Rate & Data book, July '89, both terrific references. Hey, I'm running out of space. I've got to go. More next time. Have a great Convention, LOS ANGELES.

TELLS OF HIS EARLIER DXING DAYS

J. E. LEWIS - 1934 East 51 Street - #16 - Tulsa, Oklahoma - 74105

It's fun, at age 34, to look back on the nearly geometrical growth in the state-of-the-art in both AM & FM radios. My first experience with any kind of radio DXing was with a small five-tube green set - name not remembered but it may have been a Sylvania - at Highland Park, Ill., about 23 crow miles North of Chicago. In the early to mid 50's it was exciting for a pre-adolescent to hear Denver (KQA) or New York (WABC, or other biggies) but that particular set didn't have the sensitivity or selectivity to do too much better even with atmospheric. A couple years later I graduated to another set with much greater potential and with Short Wave. It was, I believe, an R.C.A. lifted out of an old console with record player. It worked better on SW, frankly, but I started pulling 5 & 1 kilowatt-ers and even some bug-powered like the then WCRW Chicago with 100 whole watts! About that time I went off to Drummond, Wis., for several weeks. Although I had no radiop there one of my friends did, and I managed, if my memory functions, the Ashland station on 1400 kHz at night with very little interference. They were running the Milwaukee Braves games that Summer. Back home a year or two later I bought my first Zenith Royal 500 eight-transistor and things really improved. I could pull just about any station which put a .01 MV M signal in to Highland Park or anywhere in the 25 or so states I travelled to in the next ten years. I became a seeker of 100w stations, often driving or training hundreds of miles to visit one. Mapping expected signals in travel was another thrill, especially when DA's didn't foul up my projections. Although failing in math at school I figured out the inverse square law and started going by square roots for estimation. (By the way, does anyone know a fairly accurate formula for estimating AM signal distance based on wavelength & power?) By the 60's I had another Zenith and was off to college in Tampa, Fla. where Cuba messed up everything and 10kw stations about 1000 kHz had trouble getting 40 miles in the daytime. Probably my best catch by 1960 was getting WQAM, Miami, 560 kHz at 1kw at about 3 or 4am CST one cold Winter's night after WIND Chicago was kind enough to cut their carrier. I've been an NRC member now for several months and have grown to respect those who have used. I'll be contributing more regularly now and plan to help with the new log pronto and even have a few signal maps. Next month, a daytime bandscan and some nighttime goodies from this central location. Thanks to the Midwest members with whom I spoke via landline last month. 73.

MUSINGS AREN'T TOO PLENTIFUL FOR THIS ISSUE - WHAT SAY ABOUT SOME HELP FROM Y.O.U-1

JEFF LOCKWOOD - 3131 El Prado Boulevard - Tampa, Florida - 33609

A lot has happened since the last Muse, so time for an update. I now work for Badger America Inc. as a process engineer where I've been for three months. Newly acquired is a Panasonic RF-2600, a Radio West shotgun loop and a TRS-80 computer. I have a program for plotting AM directional patterns on the TRS-80's screen based on the towers' placement and phasing if anyone is interested. Now for the rest of our DX trip. We located XR sites for all Orlando fulltimers except WDBO. For the record, WLOF has five towers in a straight line, WKIS has three in a line (E-W), and WBOO has five in a nonsymmetrical arrangement. A visit was made to WTLN-1520, a religious station in Apopka which simulcasts on FM (as does our local on 1520, WGWB/WKES-FM, also a religious format). The announcer on duty was curious about WGWB which apparently is directional to the East (as is WTLN). A bandscan just outside of Mt. Dora (20 miles NW of Orlando) revealed that WKBX-630 was quite listenable at 250 miles for one of my longest daytime DX receptions over land. The weakest Tampa stations there were WHBO-1050 (250w) and WDAE-1250. For a station with flagship rights to Buco games as well as a diversified market for music and five-night-a-week talk programs, WDAE's signal coverage is disappointingly limited - primarily due to its DA and poor XR site. WQPD-1430 also suffers from a poor XR location - just to the West of the 70-foot tower is a hill which wreaks havoc with their coverage of Tampa-St. Pete - mediocre in the daytime and nonexistent at night. Granted, lkw isn't supposed to cover a whole lot, but WQPD gets obliterated by Cuba just ten miles out of Lakeland. WDAE gets some skywave QRM in Lakeland at night - WDBO is much stronger there for Buos games. Other stations located were WLEE-790 and WOKB-1600. WOTO-540 has been told if they want the 10 kw at night that they requested they will need TEN towers - meaning they still wouldn't cover all of their own county at night while giving Orlando primary coverage! As ED MITKUS mentioned, the adjustable RF attenuator works wonders when locating a station's XR. All you have to do is turn down the gain until the signal strength needle is at mid-scale; as it rises just turn down the gain further until the needle pins even with total attenuation, by which time the towers should be within view. All told, it was a very worthwhile expedition. I may be in Massachusetts over Thanksgiving; if any GT's are planned, please let me know. 73. (On the Sunday after T-Giving, Jeff, Noon-to-6or 7pm, at the home of RAY & ARLENE ARRUDA!ERC

SIDNEY'S GETTING SOME SUMMER DX

SIDNEY E. MARSHALL - 7224 Pam Drive - Millington, Tennessee - 38053 9/1/80
How time flies! Here it is another month gone, the end of the year not far off, and a new DX season right upon us! I'm writing this on Labor Day wishing I was with the tired, but happy, bunch winding up the NRC Convention in LOS ANGELES. Maybe before too many more milestones pass I'll get the chance to make a Convention. In spite of borderline CX I've been able to log four new ones, since mailing my last Muse, as follows: WZBR-1520, Miss. was in on 8/17 @ 8:43pm with mx & full s/off heard. On 8/19 @ 8:57 to 9 pm EJPW-1390, Mo. was in, with excellent signal, with hardware-paint store spot, mx, & s/off. Then on 8/21 EONE-980, Ohio, was in @ 8:36pm, for several minutes, w/c/w & "98-Country-WONE" heard. Also on 8/21 @ 10:14pm ELID-1340, Mo. boomed in with female announcer giving ID, then into mx before dropping out. This is GYer #63. With these newies my station total is at 790. I've just finished reading "Broadcast and Be Damned", which is a very interesting study of the Australian Broadcasting Corp.'s first two decades. Bye for now, good DX.

THE FIRST OF OUR CONVENTION GOERS REPORTS IN

MORTON D. MEEHAN - 7662 North Star Avenue - Twentynine Palms, California - 92277
"Top 40 Radio" in Los Angeles is going to lose KHJ-950 after ten years. In October KHJ will switch to Country Music with a more contemporary sound than KIAM, the city's other c/w station. NRC Convention literature shows 1330 S. Vermont Ave. Los Angeles as a studio address for XEPRS-690, XEGM-950 and KROQ-1500 and all are Spanish language stations. XEGM is shown with 50kw and on 24 hours. KGUY-1270 Palm Desert, Cal. is now owned by Mary Neiswender and managed by Mary Ellen Hill. It continues as an all-news station and has increased its staff to four fulltime reporters and many parttime. KTEA, Tuba City, Ariz. 1050 kHz ended a tone test @ 2:23am ELT on Sept. 5th. They were very strong here at the time over-riding other stations on 1050. I attended the NRC Convention and was pleased to meet people like WALT BREVILLE and ERNIE WESOLOWSKI whose names I've seen for a dozen years. I was disappointed at the lack of California NRCers that showed. Most the NRCers in attendance were also IRCA members! This was the first NRC Convention I attended in 41 years. The previous one was in 1939 at Erie, Pa. Attending Conventions today is expensive and somewhat out of reach of us Senior Citizens retired on small pensions. May I suggest thought be given to finding ways to reduce Convention costs. To start the ball rolling may I suggest funds raised at Convention auctions be used to pay Convention expenses, thus reducing or eliminating registration and banquet fees. Also combining NRC, IRCA, and any other BCB Clubs into one large convention would give us more clout. This year's Convention covered five days and that meant five days' expense of renting a hotel hall for a meeting place. Perhaps a free meeting place could be located. In 1939 we met in someone's home and at a park on Lake Erie.

HE HAS A NEW ADDRESS IN EL PASO

RICHARD CLARK - 10272 Crenshaw Street - El Paso, Texas - 79924
Hi everyone. Well, we have a new address in El Paso as of 9/1. However we still have a home in Puerto Plata as our second place. I am now using the Radio West ferrite loop antenna in which I must say is quite good. My wife likes it, because it takes up very little room in the bedroom. Now for some DX. WETT-1260 R. Hit", Miami, Fla. is the newest SS station, ex-o/w. WLQY-1320 ex-WADY format is still MoR, no new info in El Paso or Santo Domingo area but a whole lot on FM. So this will be a short one for now. 73s.

THOMAS (SKIP) AREY - Box 13 - Noble Street - Maurioctown, New Jersey - 08329 609-785-1538
Greetings! As I mentioned in my last muse, I have been spending most of my Summer hobby hours modifying my equipment for the coming season. I want to publicly thank GRANT MANNING of Radio West and NICK HALL-PATCH from the IRCA for providing me with all the information needed to improve my DX-160. This radio now has improved filtering, more accurate S-meter, digital dial (via frequency counter), tape monitor, and Q-Multiplier. I have also "filtered and digitized" my two trusty TFF's and have set them up for diversity reception. For those of you who shy away from the soldering iron let me tell you that repairing and modifying my radios is almost (but not quite) as much fun as pulling in the DX. Last month I had a GTG with WALT SHARP & I have been talking with my not-too-distant DX neighbor STEVE PARADIES. Look for a beverage party out of this trio real soon. NEIL ZANK has me busily contacting all of the South Carolina daytimers about CPC TESTS. I have recently had very close contact with WMBV & WSNJ as they are running spots for my church. I hope to discuss the possibility of testing with them directly. Start catching up on your sleep now folks, there are a lot of long nights ahead.

REMEMBER THE MAINE (BANDSCAN!)

MARK CONNELLY - 30 William Road - Billerica, Massachusetts - 01821 9/3/80
DX from Bar Harbor, Maine. From Aug. 13-15, we were in Bar Harbor, Me. to relax and enjoy the scenery around Acadia National Park. And, of course, I managed to sneak in a little DXing from the motel room with the Realistic TRF. First, a daytime scan made around 9am EDT on 8/15; Strengths listed, as usual, are on the usual (1) "in the noise" to (10) "potent local" rating system. CFNB-550 (2) o/WGNG WGAN-560 (7) CHLC-580 (3) WBEI-590 (4) WFST-600 (2) WLBZ-620 (8) QPRO-630 (3) in WLBZ slop WNBC-660 (1) WRKO-680 (5) CBF-690 (2) WJTO-730 (3) o/CKAC WHEB-750 (4) WEAN-790 (3) o/WRUM CHRC/WCGM-800 (3) WHDH-850 (6) CBH-860 (3) WCBG-880 (1) WKXA-900 (2) WABI-910 (7) WJAR/CJCH-920 (3) CFBC-930 (6) CBM-940 (1) WROL-950 (5) CHNS-960 (3) WSSH-970 (6) CBV-980 (3) o/SAH CBAA-990 (1) CKBW-1000 (3) WBZ-1030 (7) CBA-1070 (2) WILD-1090 (2) o/CHRS CBH-1110 (2) CHS/WQMR-1150 (4) WKZE-1170 (1) CKCW/WMSL-1220 (1) WMEB-1230 (5) o/WESX SAH WOCB-1240 (1) WGUY-1250 (7) WEZE-1260 (6) WABR-1280 (4) o/CKCV WJDA-1300 (5) WLOB-1310 (3) WDLW-1330 (3) CJLS-1340 (5) o/WME WLYN-1360 (4) in WDEA slop WDEA-1370 (9) WPMI-1390 (1) WMCB-1400 (6) WKKS-1430 (1) WJNQ-1440 (1) WRKD-1450 (7) WBET/KRB-1460 (1) WLAM WBNP-1470 (1) WSAR-1480 (1) WPOR-1490 (1) o/possible WTVL WITS-1510 (6) WRXV-1530 (1) WKXR-1540 (1) o/WADK WUNR-1600 (1). Next Muse: The night-time Maine bandscan. 73.

WHAT WILL HAPPEN TO MY VERIES?

ERNEST R. COOPER - 5 Anthony Street - Provincetown, Massachusetts - 02657 /617-487-9337
I was sorry to hear the LOS ANGELES Convention 5-9pm or 1-3am wasn't too well attended. It points out the fact that the hosts must get publicity before the members early and often, and also he/they should be prominent in Musings or at least in some part of DX NEWS, to thus be known to the members to be active in the hobby. I don't favor a once-a-year all-BCB club combined convention, but it would seem that in NRC's case, that the site be in the Eastern or Central Time Zone, for we do not have very many active members further West. members yes, but not active ones, at least as far as DX NEWS is concerned. Oh yes, there are SOME - but not very many. Ask JIM CRITCHETT, who keeps begging other Western members to Muse. Here's a subject I'd like to see kicked around in future issues. What is to happen to the verie collections of NRCers - and IRCAers - who pass away? For example, does anyone know where the veries of the late NORMAN MAGUIRE are right now? To think of them being thrown away is very disturbing to me. I would hate to die feeling that my verie collection was going to the Town Dump! JERRY STARR has an idea about this, and I hope he will muse about it soon, but I'd like to see what others might think. Should these veries be preserved, and if so, where? And by whom? Or should they be handed over to the trashman? Locally, WPOE-1520, Greenfield, Mass. is on RS, first noticed by me on 8/30; the promise of veries by them is still just that - a promise. Provincetown will soon have its own non-commercial FM station on 91.9, 1,000w, and the call letters are likely to be WOMR, "Outer-Most Radio." It will be handled by volunteers, of which I hope to be one. And, on 92.7, Vineyard Haven, on Martha's Vineyard, Mass. will soon be on the air with 3,000w. About three years ago, there was a station in Tisbury, on the Vineyard, which went out of business. They also used 92.7 and 3kw, so this will probably be that transmitter. Also, WEHJ has replaced WJAR-920, which in turn has replaced WRLM-93.3. WEHJ is AN-6, off MMs. I enjoyed a recent visit from NRCer PETE SKINNER, an engineer for WUNR-1600, and a phone call from Roger Nelson, formerly of WLIX-540, now of WKKS-1430. He says - get this - the reason WCRB-102.5 runs AN-7 is because it is CHEAPER to hire a DJ than it is to employ a security guard! That should tell you something about wages at a radio station! He says their XR is out in the sticks and they feel it would be too dangerous just to s/off and go home! Ah yes, 'tis a great world in which we live. Thanks to PAUL MOUNT & ROLAND LINDBLADE for their recent phone calls. Well, no new catches, and no new veries, a perfect batting average - 0 for 0.

NEXT MUSINGS DEADLINES are Mondays, September 22, October 6, and beginning Monday October 20, weekly through Monday, December 8. There are no Monday holidays along the way to interfere with our schedule. As you can see, we are in desperate need of more Musings. Hardly anyone included his DX catches in his Musings this week. Let's not lose sight of the fact that the Musings section is for that purpose as well as DX-related talk. It is enjoyable to sit and read what "Dxer A" heard last week, or the new catches "Dxer B" managed recently. Practically all of us have special friends in the ranks, and to find out how that person made out is of special interest. So, include your loggings day by day, calls-frequency-location in MUSINGS.

In 1921 Harold Hough was working for the Ft. Worth Star-Telegram, but his mind was exploring a new medium, radio. He visited William Branch, who had a home-made five-watt rig working on his kitchen table. After many discussions and endless experiments the two men decided to give it a go, packing up and moving into an empty room at the Star-Telegram building. Along the way they managed to secure a 500 watt Western Electric transmitter, the first of its kind in the South, the sixteenth one manufactured. On May 2, 1922, with a \$200 rig and an antenna strung across to an adjoining building WBAP took to the air with a mighty power of ten watts on a frequency of 360 meters. During the 1920's WBAP changed its frequency and power four times, going from 10 to 10,000 watts via 360 meters, 400 meters, 650 kc/s., with a brief stint on 600 kc/s., finally winding up on 800 kc/s. While NBC was famous for many years with their ID chimes, WBAP was recognized with an ID cowbell. In 1927 WBAP and WFAA began the practice of yielding air time whenever one station had a special program. Also in that year they became an NBC affiliate. In 1928 they moved their facilities to Shady Oak Farm near Lake Worth, and were granted 50,000 watt status on 800 kc/s. with shared time with KTHS in Hot Springs, Ark. This arrangement did not work out too well, so WBAP received permission to share time with WFAA (who was at that time sharing with KRLD, isn't that confusing?) In 1929 the Lake Worth facilities were sold to a Mexican station and WBAP moved in with WFAA in Grapevine, Texas, with studio facilities at the Blackstone Hotel in Fort Worth. Just to mix things up a bit the Star-Telegram then purchased KGKO, increased its power to 5,000 watts and affiliated with the NBC Blue Network. Now the fun starts. With all these stations operating on shared or different frequencies, and at various times coupled with new broadcasting laws and interference problems, a new arrangement was needed. The result was, WBAP & WFAA moved from 800 to 820 kHz. The call letters of KGKO were dropped but now, due to time sharing, the frequency was retained and four stations were created. How about that bureaucratic decision? WBAP-570, WBAP-820, WFAA-570 and WFAA-820. At 12:01am Friday, May 1 1970, WBAP terminated its relationship with WFAA and became the sole occupier of 820 with WFAA taking over the 570 slot, thus ending a long era of history and confusion.

AS WE GO TO PRESS -

A phone call from BILL COLEMAN, of Rocky Mount, N.C. informs us that there is a new weekly DX discussion program every Sunday night from 9:08 to 9:30 p.m., E.L.T., on 50,000 watt WPTF-680, Raleigh, N.C., featuring SW, FM, and BCE DX news, in part delivered and written by NRCer GLENN HAUSER. We hope all those who can hear WPTF in the evening will tune in and send in a letter thanking WPTF for this great gesture of friendship to DXers! In fact, a thank-you note would be in order even if you cannot catch WPTF at that time - what say?

NRC LOGS - \$4.00

When, since a nationwide fast food chain reinstated the 25¢ hamburger, have you seen prices come DOWN in the last 10 years? Never you say? Read on. Now, for a limited time only (as long as the supply lasts) you have the opportunity to purchase something for almost HALF PRICE!!!! You say that your NRC Domestic Log is all dog-eared, with missing pages? Or worse still you DON'T even have a copy of the best DXing aid in print for the upcoming DX season? NOW you can have a complete copy of the current NRC Domestic Log for ONLY \$4.00!!!! Yes any order received at the Publications Center after September 15 will be honored at the above price as long as current supplies last. No limit on quantities, open to members and non-members alike.

Yes a NEW NRC Log is in the works, you could wait for the new edition. But that revised NEW edition will NOT be completed and at the printer for at least another 4 to 5 months, and by then the season will be at least half over and you will be without a good source of accurate info as far as station data, addresses for verifications, etc.

No we have not taken leave of our senses. We currently have an overstock situation of the NRC Domestic Log. We need to reduce this inventory and convert it to \$\$\$ for the upcoming NEW edition of the NRC Night Pattern Book as well as the new edition of the NRC Domestic Log sometime after the first of the year. Printing is becoming a very expensive part of the club's operation- and you can bet that the NEW editions of both the Night Pattern Book and the NRC Domestic Log will be priced higher than the current editions.

Soooo..... now is the time to come to the aid of your Club and at the same time buy something invaluable to a DXer at a below-cost price. Send those orders NOW to the Publications Center, Frank Dailey is anxiously awaiting those orders!!!!!!

Groups oppose FCC plan to deregulate radio

By JOAN HANAUER
UPI Television Writer
NEW YORK (UPI) — The FCC proposes to deregulate commercial radio and an imposing group of organizations — including a number of religious groups — strongly opposes any such action.

According to the Rev. Everett C. Parker, head of the Office of Communication of the United Church of Christ and a leader in the fight against deregulation, the FCC has received more than 40,000 comments on the subject, the majority from public groups opposing deregulation as outlined by the FCC.

Of the comments reaching the FCC by the March 31 deadline for comment, the industry's Broadcasting magazine estimates about 8,000 could be considered formal filings. These include filings on both sides of the issue, from broadcast groups, government agencies as well as consumer groups and just plain listeners.

The FCC is scheduled to reply to the comments on June 25.

What the FCC proposes is this:

— Eliminate ascertainment, the annual community-broadcaster exchange by which the broadcaster is supposed to ascertain the needs of his community.

— Eliminate requiring each station to keep detailed logs of its programming.

— Eliminate limits on amounts of commercial time.

— Eliminate requiring radio stations to carry non-entertainment programs — news and public affairs programs, public service announcements and other

community service programming.

Proponents of deregulation agree regulation was necessary in the early days of radio when frequencies were scarce. They argue these rules no longer are needed because pressures of the diverse radio marketplace plus possible challenges to license renewals will keep stations alert to public interest.

With the mood of the country favoring deregulation in general, why are groups within the Catholic Church, the Baptists, the American Lutheran Church, the Heart Fund and the National Health Assn., among many others, so stirred up about the proposal to deregulate radio?

One reason, Parker said during an interview, is because they fear that deregulation will mark the end of the public service announcement, or PSA, on which non-profit groups rely.

Parker has a laundry list of reasons for opposing deregulation and he says, "Only Congress can rewrite the Communications law." He accuses FCC chairman Charles Ferris of overreaching his authority by trying to do within the Commission what proponents of deregulation failed to get past the nation's lawmakers.

Parker has a dreary prediction of what deregulation would bring.

"The first thing that would happen — and the most depressing as far as I am concerned — is that deregulation would hasten the total automation of radio.

"There would be no requirement to carry any live programming. Stations could be completed automated,

programed by large outside producers. They could insert news and weather tapes if they wanted to — and they probably would because they can sell news.

"But the rest would come from bought tapes and a lot of places would have hardly any live people in the station."

Parker warns this could impair one of the most important areas of public service — radio's ability to give quick warning of impending disasters such as tornadoes.

"Then, we would lose PSAs," he said.

Parker believes that pressure of the marketplace might force broadcasters to stick to the current guidelines that limit them to 18 minutes of commercials per hour.

"If they do," he said, "the only way they can expand profits is to get rid of public service announcements and substitute paying commercials instead.

"We would lose public affairs programming — the FCC admits there is no commercial market for them, so there would be no corresponding pressure of the marketplace."

The same would be true for sustaining cultural pro-

grams of a local nature, he said.

He added there would be few fairness complaints because there would be little controversial material on the air.

License renewal would become automatic, because stations would not be required to keep a record of performance on which to base a challenge.

Parker's position has a positive side. He favors simplification of ascertainment, in which stations would serve community needs but not be required to show they had done so unless complaints were filed.

"Ascertainment is necessary," he said, "but on stations' own terms. If they don't perform well, it's up to the community to step in."

Logs, Parker says, are kept by stations for their own sales and marketing departments, regardless of FCC regulations.

— from ERNIE COOPER

WCFL shakeup may signal new format

By Ron Alridge
TV-Radio critic

A LONG-AWAITED shakeup at Chicago radio station WCFL began Monday when Orrin McDaniels was replaced as general manager by John Bibbs, former general sales manager at WMAQ Radio.

By the end of the week, Bibbs is expected to announce that WCFL, now a news/talk station, is switching to a musical format. Also, a new program director will be brought aboard while the incumbent Ralph Howard, is redesignated as news director.

McDaniels, who came to WCFL a year ago from all-news WTOP in Washington, D.C., is not being fired. Instead, he is remaining with Mutual as vice president in charge of relations with Midwest stations carrying the company's network programming.

Nick Verbitsky, a senior vice president with Mutual, praised McDaniels as a val-

uable employee but noted that, because he was brought to WCFL because of his background in all-news radio, a change of general managers was appropriate.

IT WAS THE closest the New York-based Mutual executive came to admitting that WCFL is going to change to a musical format, which numerous sources insist it will do.

When that change is made, many station employees could be put out of work, since almost all are news specialists. As a music station, WCFL won't need as large a news staff. One source predicts 15 to 20 news jobs will be eliminated.

"We are going to retain everybody that we possibly can," Verbitsky said.

One WCFL employee has already jumped ship. Chuck Swirsky, host of a sports talk show, is switching to WLUP in September. He'll be sports director and will deliver four reports daily. He'll also host a weekly sports talk show, probably on Sundays.

THE REASON FOR the shakeup at

WCFL is low ratings. Despite a strong 50,000-watt signal, the station has a small audience, and the expensive news/talk format hasn't improved matters.

Since Verbitsky is general manager of New York country station WJLN, there has been considerable speculation that WCFL would adopt a country sound. The speculation undoubtedly will grow now that Bibbs is moving over from WMAQ, also a country station.

Insiders, however, say a country format is a long shot; that WMAQ is more likely going to a Top 40 format, perhaps with a tinge of old from the 1960s and 1970s in its sound.

Whatever kind of music the station selects, it will be moving against the hottest trend in radio—the trend that is taking music from AM stations, such as WCFL, to FM stations, which have clearer signals. AM stations throughout the country are scrambling for formats heavy on talk and light on music.

Chicago Tribune via
Ken Onyschuk
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