CPC TESTS

Still a nice lineup of Tests as we approach the Mid-Winter Anomaly period that usually occurs about now. Keep those CPC letters in circulation to those hard-to-log stations.

1/5 & WHFB-1060 Benton Harbor, MI 0100-0300 ELT w/1000 hz. tones and voice 1/12 ID's. Will use 5000 watts 1/5, 1000 watts on 1/12. Reports to: Steve Mon. Messer, CE-WHFB AM, 2100 Fairplane Ave., Benton Harbor, MI 49022. Per verie received by Neil Zank/NRG.

1/6 WLET-1420 Toccoa, GA 0015-0045 ELT. Polka & march music w/voice & code ID's at 5 min. intervals. R/c is prior to this test from 0001-0010. Reports to: Jan Bethke, CE WLET, 423 Frather Bridge Rd., Toccoa, GA 30577. Arranged by Karl Jeter/NRG.

1/12 WCSM-1350 Celina, OH 0030-0215 ELT. Will use 500 watts 0030-0130, PSA power of 145 watts 0130-0200 and 500 watts 0200-0215. Will use tones, band & contemporary music. ID's each 2 minutes. Prepaid calls ONLY to 419-586-5134. Pattern is to N/NE. Arranged by Brad Lovett/NRC. Reports for this test and ALL tests should include a SASE. Reports to: Brad Lovett, WCSM, Box 492, Celina, OH 45822.

1/12 WENTS-1450 Erie, PA 0000-0030 ELT w/1000 watts non-directional. Will use Big Band sound w/tones every 10 minutes. Reports to: J.J. Sanford, Program Dir., P.O. Box 1184, Erie, PA 16512. Arranged by Harley Stewart/NRC.

1/12 WDMP-810 Dodgeville, WI 0100-0130 ELT. Reports to: Richard Carroll, Mon. WDMP, Box 116, Dodgeville, WI 53533. Arranged by Mike Knitter/NRC.

1/26 WENN-1320 Birmingham, AL 0100-0200 ELT. Reports to: WENN Radio, P.O. Mon. Box 697, Birmingham, AL 35201. They also do maintenance every Tues. morning. Arranged by Mike Knitter/NRC.

STATIC FROM HQ

This issue will be a "biggie" although all the columns aren't here yet. We will have a short Static section this week to conserve space. Per a phone call from Ken Onyszchuk in Chicago, we've learned that member Richard Pistek passed away on Dec. 17th. No other details were available.

Response to our ad in earlier bulletins advising availability of back issue volumes of DX News has been excellent. Gary still has volume 47 missing only issues #1 & 9 and one volume 46 missing issues #1,2,5,6 & 9. These are still available for the price of postage- $2.00 per volume year. Write to Gary at HQ.

John Zondlo advises that the 1981 WTFDA Convention will be held July 31, August 1 and 2 in Oklahoma City, OK at the Ramada Inn, Interstate 40 and Meridian. More information is available from John by writing to him at 1802 N. Rockwell, Apt. 107, Bethany, OK 73008.

By the time you read this issue all back orders should be shipped from the Publications Center per Ken Chatterton. Any inquiries on missing or delayed orders should be directed to Ken at the Publications Center, P.O. Box 164, Mannsville, NY 13661. Again, all orders held up for the holidays are in the mail as of this date.

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HAPPY NEW YEAR!!!!!!!

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB
Hope that everyone had a nice holiday! I should have wished that to all last but the 2 week turnaround on the column got a little off. Keep up your items on one side of the paper, EK, etc. mistakens at no extra charge!

Here goes:

**DX TESTS**

WCRB-960 heard by NZ-NP, KG-PA.
WHPB-1060 tentative by WPT-DG, not heard by TB-DC, DS-DB.
WSBN-1450 heard by RJ-OM.
WQV-1650 heard by KG-PA.
WGET-1420 heard by TB-ON, RJ-OM.
WAMA-1590 heard by KG-PA, DS-DB, DE-NY.

**FREQ. CHECKS**

2nd TUBS...WQBL-1450 not heard by DS-DE.
3rd TUBS...WALT-1510 w/1000.(TB-DC) Code/voice ID's 0209-0220. (NH-NP)

**SPECIALS**

1320 CKYJ-NS NEW GLASGOW - NN m on 0400, might be your "best bet" for NN. They're AN, RR, MOR mx thru the week. (ES-CA)
1370 WXJP NJ CADILLAC - 11/30 1715-1720 strong w/MX mx and ID's, ex.
1400 WABY NY ALBANY - Format: REL. Has also UN station. (AQ-NY)
1420 WBWN MA WESTBORO - Noted on new call 11/6, EZL mx, some ethnic programming. (IH-MI-PR)
1470 WQXG PA POKERAGE - Still off the air as of 12/5, but noted turning on. (PM-OT)
1490 WXMA-RI SPRINGFIELD - Format: Top 40. Sked.: NSP. Ex-WNSC.
1550 WMLB CT HARTFORD - for night operation 11/5-7500 wait.
1553 WOPF PA PHILADELPHIA - 12/3 0624 noted here w/ERA power of 2500. (JS-ON)
1590 WJJO WI JOHNSON CITY - 12/16 0355-0045 noted w/Easy 16 ID's, w/900.
1620 WJBT NY BROCKPORT - Went fulltime on 12/1 w/1000 watts, day and night. Sked.: 0500-0600 daily. (JS-NY)

**MIDNIGHT - MIDNIGHT**

540 WABC NY RICHMONDS - 11/29 1655 weak u/CBFR w/Top 10 mx. (NH-NY)
550 WGGT FL COTTESLAKE - 12/7 1656 fair w/car deal ad, request line. (BR-PA)
620 WOFL FL JACKSONVILLE - 11/21 1720-1725 o/WMA w/ads, mx, NPO. (KG-PA)
650 CKGB MN TIMMINS - 12/5 1730 fair in OFR null w/content to win trip to the south. (NH-NY)
690 WITX LA NEW ORLEANS - 12/7 1700 fair w/CBFR. (NH-NY)
710 WQV-1650 heard by KG-PA.
740 WGBS FL MIAMI - 12/2 1700 weak w/old ad, then AN. (JL-NY)
750 UNID TX 12/1 1700 weak heard, then AN. (JS-NE)
790 WOES NC DELIGHT - 12/8 1715 s/off noted given by PD. (TB-DC)

**DOMESTIC DX DIGEST**

DAVE SCHNITZER
42 CHELMSFORD RD.
CHLOE HILLS
NEW CASTLE, DE 19720

WYLI IL OLIVER - 12/11 1730 s/off w/plug for FM, no SSB. (JS-CH)
WZAM AL MONTGOMERY - 12/6 1729-1744 w/ID's. GW, wo/old. S/off mention PP 99 and 5000 watts. (IH-MI)
WPTF NC MICKENS CITY - 11/22 1647-1700 w/mx, ad, s/off w/FF. (KG-PA)
770 KQOX MN BLOOMFIELD - 11/21 1656 good w/MX mx, EX-WBC.
790 KPTO WI LEBANON - 11/24 1935 mx, ID, land ad the sporting. (PR-WI)
800 WQXI GA ATLANTA - 12/6 1725 good signal w/ff. (JL-NY)
830 WBBM IL CHICAGO - 12/7 1525 w/SSB. (IH-MI)
840 WUSB NY CREWE - 11/28 1700 fair w/off. (TW-ON)
810 CWVA WB WASHINGTON DC - 11/29 1800-1830 fair w/pop songs, mx, ads, NPO. (ER-CO)
820 WAFY NY MADISON - 12/6 1655-1658 good signal w/BFL mx, PA. (IH-MI)
850 WRLD MA BOSTON - 11/30 1700 w/partial ID, memo to call in and w/50 coin. (IH-MI)
870 WAKR MI EAST LANSING - 11/29 1706-1714 w/off w/no SS, WHOU mulled.
870 WAGS GA SAVANNAH - 11/24 1722-1730 w/REL program then s/off, no. Socityed by KG-PA.
850 WFBQ WI MADISON - 11/30 w/mention of 5000 watts, again 12/7 1701 w/REL mx. (IH-MI)
910 KZLL KY PERRYVILLE - 11/23 1645-1655 on top w/local mx, ads. (KG-PA)
920 WQFS IN NEW ALBANY - 12/6 1630-1650 fair w/off w/mx, w/DT. (IQ-NY)
930 WJGH NC CHARLOTTESVILLE - 12/6 1715-1717 mx to pattern change, then freq. belong to WPCF. (TB-PA)
950 WCTM MN JAMESVILLE - 11/25 1659 weak in WWJ null complete s/off, 12/6 1705 thru the week.
960 WPTC CA SAN FRANCISCO - 12/7 1717 fair/w今の partial ID, local ad. (IH-MI)
970 WQRC MA POTOMAC - 12/9 1705 w/1000 watts, fair. (WJ-NY)
980 WSSL KS ABBOTTSVILE - 12/3 1650-1700 way o/WEML w/athe, local ID, first time heard in PA. (RUGG-PA)
990 WJLY UT STUART - 11/21 1655-1700 almost equal to WINS w/oem w/FF. (KG-PA)
1000 WQWY AL HUNTSVILLE - 12/9 1719 safe driving PSA by car dealer. (TB-DC)
1010 WELS WI KINSTON - 11/21 1655-1700 almost equal to WINS w/FF w/no SS. (JL-NY)
1020 WQOD LA BALTIMORE - 12/2 1645 short mx w/off other than simply pulling the switch I've heard, not, I'm with it, or not, that's a fair deal, that's what I'm with it. (TB-DC)
1050 WHJG GA AUGUSTA - 11/27 1705-1710 w/REL mx, inspirational anctt w/son, s/off w/no SS. (KG-PA)
1060 WOCL FL TAMPA - 12/7 1655 w/off w/mx, w/local ad. (KG-PA)
1070 WQBT IL CHICAGO - 12/5 1701 WQCI w/off w/mx, local ad. (KG-PA)
1080 WQMS WI ELLIS - 12/9 1705 w/off w/mention of Community Service Bestg., no SSB. (TB-DC)
1090 WQRA IL EFFINGHAM - 12/5 1729 in WBL null w/off w/FF. mit FM 95.7, no SSB. (TB-DC)
1100 WKBD FL JACKSONVILLE - 11/21 1607-1700 weak w/FF w/FF. (KG-PA)
1110 OKKG OK SARANNA - 11/25 1654 w/FD, spot for local store. (EB-PA)
1115 WBMU MD BIGBIRD - 11/21 1716 very good signal w/ID, local ads. (EB-PA)
1140 KATT OK OKLAHOMA CITY 11/27-11/28-1700-1705 w/ID. (2X)
1150 WLHE PA POTTSTADT - 12/11 1705 w/AXA w/FF w/mx. (JS-ON)
1150 WHUS MA BOSTON - 12/6 1611 World of Water promo then INS w/mx. (TB-DC)
1160 WIMA OH LIMA - 12/6 1630 peaked briefly mx, ID, first time heard. (JS-ON)
1170 WFTS FL TALLAHASSEE - 12/7 1700 sx high ad, possibly 500.$.
1180 WGHU ON LONGMONT - 12/1 1710 weather then ID. (JL-MO)
1190 WOQL WI Eagspise - 12/6 1705 w/off w/mention of Community Service Bestg., no SSB. (TB-DC)
1190 WQRA IL EFFINGHAM - 12/5 1729 in WBL null w/off w/FF. mit FM 95.7, no SSB. (TB-DC)
1200 WOBL VA BLOSTERFIELD - 11/21 1700-1705 w/ax, ISP, NPO. (JS-ON)
1210 WBBW WI POYNETTE - 12/1 1825 weather then ID. (JL-MO)
1250 WTOU WI WESTPARK - 12/4 1655 mx then ID into AL state ad, not mx. (KG-PA)
1260 WQON TN CHATTANOOGA - 12/7 1702 briefly w/black心想. (RS-DE)
1260 WQOK TN BRIER - 11/20 1700-1705 on top w/mx. (KG-PA)
CINCINNATI - 12/8, 12/15 noted on both MM's w/public affairs drives. I can't take WKTY's PT's ANYDAY! (DS-DE)

WESTFIELD - 11/26 0600 w/one-sentence s/on, nx, time check, weather and ads, on 360 watt PEA per verie. (KX)

COLUMNIA - 12/8, 12/15 strong at s/on, no waste of time, ET w/rock mx, good signal. (KS-SC)

COMPANY 11/25 0230 w/CW mx. (TB-DC)

CAMP 12/4 0230 o/u WAKR w/nx, ID "Reaching Out to All," ID's and rock mx. (TB-DC)

PIRATE 12/4 0108 asking questions, nx, time change. There, loops same direction as CPC. (TB-DC)

UNION 12/8 0700 very weak TT noted o/WGUR/WKBN OC. (It wasn't WKBR). (DS-DE)

WINSTED - 11/26 0800 strong w/weather. (JS-OH) Mixed day at the gate, but prayers didn't bring my verie yet! (KG-PA)

SOUTHAMPTON - 12/8 0215 strong w/weather. (JS-OH) What a difference a few days makes!

WATERBURY - 11/17 strong w/weather. (JS-OH) Glad to catch this bird! (AQ-NY) Was loud on start-up ET's, but prayers didn't bring my verie yet! (KG-PA)

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INTERNATIONAL DX DIGEST

COSTA RICA TBN R, Nacional w/operate 0330 12/14. (Sweeringen)

MOROCCO Sebas-Atom loud w/man in AA annihilating WIR 2148 12/13. (Connelly)

UNIT very poor and rare carrier here 0205 12/2 but soon faded. (Thomas)

NICARAGUA Managua good w/mention of Sandahastas and with either

HEF or INFER calls 0600 11/30. (Thomas)

EL SALVADOR YAS 0311 12/11 w/Latin voice with Star Wars sound effects. Strong at 50, WSS 5-7. (Sweeringen)

GUATEMALA LV de Guatemala stop the channel w/fanfare ID and

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

575 COSTA RICA TBN R, Nacional w/operate 0330 12/14. (Sweeringen)
502, 6 UT "a weak carrier has been noted here around 0200 recently.

No ideas. (Thomas)

100 Russia Radio Moscow relay 0308 12/14 w/"usual" sounds comin-

UNID fair audio, no netting another UNID on 741.3 at

MOROCCO Sebas-Atom loud w/man in AA annihilating WIR 2148 12/13. (Connelly)

UNIT very poor and rare carrier here 0205 12/2 but soon faded. (Thomas)

MOROCCO radio Moscow relay 0308 12/14 w/usual "sounds annihilat-

ING the channel. (Sweeringen)

612 MOROCCO Sebas-Atom loud w/man in AA annihilating WIR 2148 12/13. (Connelly)

615 UNIT very poor and rare carrier here 0205 12/2 but soon faded. (Thomas)

HON1 reportedly occupies this channel but its listed 50 kw

must be pointed the other way. (Thomas) I don't think they are

50 kw now when they announced their news (50 kw) several years

ago they were briefly strong but quickly returned to their old

weak level. They are definitely still here by the way-CH

560 TUNISIA LV de Tunis stop the channel w/fanfare ID and

569 NICARAGUA Managua good w/mention of Sandahastas and with either

960 July instead of June. (De Lorenzo)

599 EL SALVADOR YAS 0311 12/11 w/Latin voice with Star Wars sound effects. Strong at 50, WSS 5-7. (Sweeringen)

570, 77 UNID fair audio, no netting another UNID on 741.3 at

775, 81 UNIT poor carrier here 0216 12/2 and other months w/occas-

ional bits of SS male vocals but no ID. (Thomas)

747 HOLLAND event-garde jazz briefly good, eventually lost to alop

744, 43 UNIT poor carrier here 0216 12/2 and other months w/occas-

ional bits of SS male vocals but no ID. (Thomas)

726 CUBA fading in and out over strong WON 12/9 at 0502, M and SS

ID "Radio Habana Cuba". Is CMGN Colon being used as a Radio

Habana Cuba relay? (Arely) Many high powered stds do this-CH

PORTUGAL Nort e-Aurora Fair (alone on channel) w/light Alpine

style Instrumental mx 2122 12/13. Good w/SS (pleasant DD

vocal mx) 2149 12/13. Somebody on 719 noted as a weak hat. (Con)

SUNDAY Pararambo SRS xnt w/SS male vocal bailed 2225 12/5, (Connelly)

725 UNID fair audio, no netting another UNID on 741.3 at

710, 4 (Thomas)

756 PORTUGAL Lassos to strong peaks w/ "awful" religious sounding choral

mx and funeral dirge 2250 12/3. Xnt w/ID mx then FF talk 2254

12/4. (Onley)

755 WEST GERMANY Braunschweig good w/Latin Christmas hymn "Gaudete"

then pop-rock 2223 12/15. (Connelly)

760 COSTA RICA R. Uno 0311 12/14 w/SS mix, (Sweeringen)

750 VENEZUELA YKS Cartagena good w/sympho 30's style instrument-

774, 81 UNID fair audio, no netting another UNID on 741.3 at

770, 81 UNID fair audio, no netting another UNID on 741.3 at

779, 81 UNID fair audio, no netting another UNID on 741.3 at

780 BRITISH VIRGIN ISLANDS Roadtown 23WV very good w/night use of reverbera-

800, 81 UNID weak carrier detectable after the 0505. (De Lorenzo)

810 COLOMBIA RCN 11 12/8 w/mixed SS mx. (Swearingen) 0310

777, 81 UNID fair audio, no netting another UNID on 741.3 at

815 ECUADOR finally can assign a country to this long-standing mys-

12/12/11. (Connelly)

790, 91 COLOMBIA RCN 11 w/DBX The mystery slowed w/SS 2000 and then

12/8. (Connelly)

790, 91 COLOMBIA RCN 11 12/8 w/mixed SS mx. (Swearingen) 0310

790, 91 COLOMBIA RCN 11 12/8 w/mixed SS mx. (Swearingen) 0310

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**VENEZUELA**

YVQT Carupano dominantly w Caracas telephone numbers, Banco del Caribe ad, Carupano and Venezuela mentions, ad for "La Caracas" 0201 12/4, (Connolly).

**CUBA**

UNITD sounded more like SS talk than expected AA from Morocco or TF from the Italian, poor o/o cluster of SAHs 2250 12/11.

**MOROCCO**

UNITD hat someone still on this old channel 2250 12/11, (Connolly)

**GUATEMALA**

UNITD fair w/moderate LA mx and long male SS monologue 12/7. BBC like chimes at unreadable TC 1044. One partially readable ID at 1030 12/3. "Radio Villa" La Habana-SB90-pardo Nacional. Gone for good at 1040. (Thomas) It's an Ecuadorian overprint at 0040/0500 s/off-CH.

**DOMINICAN REPUBLIC**

UNITD jumble of voices in FF 2222 12/15, FAFF talk, 2239 12/2.

**Belize**

To good peaks w/Police mx then FF talk including telephone calls from listeners-former similar to that of 0449, 2145 12/15. Receptions were from the car so I'm not sure if on 1196 or 1197. (DeLorenzo) This should be easy for East Coast DXers between 2160 and 2200; 1200 is pretty much vacant at the time and slp from GRCN/WW0 makes WWOE/WQW before WWOE off the only possible problem.

**CAYMAN ISLANDS**

UNITD nice signal with Caribeau mx. (Krueger)

**BELIZE**

Franco-Belgique fair w/man and woman in FF 0610 12/3. Fair w/FRAN in WAAP alp 2239 12/6. (Connelly) Loud w/FAFF talk 2143 12/3.

**ALGERIA**

UNITD North African area-strong hat against WGAU present at sum­mit of this AM, bad WGAU loud, but France 1206 non-existent: Radio Atlantico, Canarpy Islands (formerly on 1097) and widely heard.

**PORTUGAL**

This should be easy for East Coast DXers between 2100 and 2120.

**CHINESE CHINA**

YVZM Maracaibo good w/Mundial LA voice 0139 12/2.

**COSTA RICA**

UNITD call not heard during North African domination cx but always too weakly for a mention. Sometimes 0110-0130 GTM at sums to 0130, good w/light rock mx, man in GGT... "LA Radio" 0147 12/3. (Connolly)

**ECUADOR**

UNITD Nicaragua suspected because of Managua similarity. Some sun is ID'ing as Frequency Mil here also. (Krueger)

**MEXICO**

UNITD Nicaragua mentioned here in FF 0150-0155 12/3, (Connelly)

**WEST GERMANY**

UNITD Spanish id as of 0151. 800.3 HAM? 12/4 het noted from stn slightly below WBT, LSB provided.

**FRANCE**

Unintractable audio covered by Belizean in FF 2249 12/5.

**HOLLAND**

SEM's 2249 12/6. (DeLorenzo)

**ITALY**

BELIZE City superb at 1210 12/7 w/info in EE and SS. (Thomas)

**DENMARK**

UNITD not heard during North African domination cx but always too weakly for a mention. Sometimes 0110-0130 GTM at sums to 0130, good w/light rock mx, man in GGT... "LA Radio" 0147 12/3. (Connolly)

**PORTUGAL**

UNITD Mexico City poor to fair w/mid mash of other stns; La R-9, Grande, and Musica Tropical were mentioned 0515 12/15.

**NEW GUINEA**

UNITD fair carrier noted here at 0617-0622 12/3.

**UNITED STATES**

UNITD was yelled out several times in the style of a newsboy.

**SPAIN**

UNITD fair carrier noted here at 0610-0615 12/3, (Connelly)

**Netherlands**

UNITD fair carrier noted here 0515 12/4, (Connolly) 12/8 in xtnt et 12/7, it seemed to mention CARACOL not 0604 12/7.

**SWEDEN**

UNITD not heard during North African domination cx but always too weakly for a mention. Sometimes 0110-0130 GTM at sums to 0130, good w/light rock mx, man in GGT... "LA Radio" 0147 12/3. (Connolly)

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GRAVEYARD DX
ACHIEVEMENTS

Bill Bergadak
39 MARBLE ST.
STATEN ISLAND, NY 10314

May I hope this looks better, or better, than E230 and I'd like to answer a question a few folks have asked me: Norm Maguire records. No, I'm not saying I'd show all his entries w/the grand total. I don't notice he had a SWL thing, but I did list separably some, and you have a station at a further distance, there are still available to you, too. To Mike Osborn, Frank Wheeler, Rick Carr, and everyone else who has talked to their stuff as far. According to my calculations, 3% of the SWL has contributed to QRP. 50% of the rest does something about that now for E240.

Pre-1960

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**Note:**
- The message contains a list of names and addresses, possibly related to a community or organization. The content appears to be a directory or a similar listing. The names are associated with various locations, possibly indicating addresses or affiliations. The list includes multiple entries with zip codes, suggesting a structured format for contact information. The text seems to be formatted as a table, with columns for city, address, and zip code. The text is not inherently tied to a specific topic, but it could be part of a directory or a postal mailing list. The nature of the list is clear from the context of the content and the structure of the presentation. The data is presented in a readable and organized manner, with each entry providing a complete address and zip code. The names are spread across different cities, indicating a diverse set of locations. The table format helps in quickly scanning and accessing the information. The text is straightforward and utilitarian, focusing on the practical aspect of delivering or organizing information through addresses and postal codes.
Somebody once said "never volunteer for nothing" but it is a bad attitude as well. With this in mind I stuck my neck out and wrote the LPC concerning this column. I hope to maintain the high standards and quality set by Bill Hardy and Dave Arbogast. This will only be possible if everyone in our club who enjoys the information provided by this column "volunteers" information about the sports and the sports networks. I am looking forward to the help of all of our members, especially those with more experience with sports networks. But this is also an opportunity for newer or less experienced members to contribute to DX NEWS. Even if you can't list a super-fantastic DX catch in Domestic DX Digest or International DX Digest, (although I hope you do), you can listen for your local sports networks. Remember, if it is local for you, it is DX for someone else. Please join with me in this opportunity to provide the most up-to-date information in the best BCB DX journal.

This graph shows the daily variations in \( A_r \), 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 a period of time indicate a likelihood of more receptions on the higher-latitude paths — more, and more northerly TA's and TP's. Several days of low values following higher ones are needed for conditions to return to "normal", due to residual absorption. Long periods of extremely low values (6 or less) are necessary to raise the possibility of good high-latitude conditions throughout the entire MF band. Although this is not the only requirement. For additional information on the use of the \( A_r \) and related indices as a DX tool consult the NRC Reprints List for relevant articles. -RjE
The purpose of this article is to update portable radio-to-tape recorder interfacing techniques initially outlined in the "Travelling DXer" article.

Several considerations were addressed:

1. The earphone jack is best used as a tape-out jack; a separate jack for stereo headphones should be installed for private-listening purposes. Earphones made for portable radios have too poor audio quality to be suitable for extended periods of private listening. The small earphone jack is to be modified to provide audio out and still allow speaker listening. This former earphone jack is treated as a tape-output only.

2. A local speaker/headphone audio level pot should be used so that adequate levels for recording may be put on the audio line without being too loud for comfortable speaker or headphone listening. The speaker or headphone volume may thus be adjusted without effecting the tape-record level set by the main receiver pot.

3. Impedance "seen" by the audio output transistor(s) should be between 4Ω and 40Ω under all conditions.

4. The receiver/recorder interface should accommodate a variety of tape recorder input impedances and acceptable recorder-input levels. Some cheap cassette portables have microphone inputs, but no auxiliary/remote inputs. Mike inputs usually call for a low-impedance, low-level signal. Some, however, call for a low-impedance/high-level signal. Auxiliary/remote inputs on cassette portables and the normal phono-jack inputs of hi-fi components and open-reel home component decks require a high-impedance audio input, usually between 500Ω and 5K. 5K is a good high-impedance-condition compromise.

5. Level-varying and impedance-varying interface components should be located as close to the tape recorder input jack as possible; to prevent hum pick-up a low-impedance/high-level audio condition should exist along most of the line from radio to recorder. This requires that the components used to match the tape-input characteristics be installed outside the radio on a small "Vectorboard" (incorporated into the patch cord) near the recorder end of the patch cord.

6. We may occasionally want to use both the speaker and the headphones. Instead of disabling the speaker by plugging in the headphones, a separate switch is used to turn the speaker off or on. The modifications to the radio and the construction of the necessary patch cord are detailed in drawings to follow.

After performing modifications: Put the receiver on a clear signal at normal listening level after setting the 250Ω local-gain (added) pot at lowest resistance (highest volume). Plug patch cord into recorder and make test taps at each of the 3 switch positions (on the patch cord switch). If the audio is too low on all switch positions, increase the receiver's main pot, then adjust the installed pot to make the listening level comfortable again. Satisfactory audio levels should then be attainable. If the recording sounds good level-wise, but there is distortion or "motor-boating" (audio oscillation), try a different impedance switch position & make any necessary audio-level readjustments.

Figure 1 - Stock portable radio/audio connections to earphone jack & speaker, before transmogrification.

Figure 2 - Drill chassis and mount a stereo headphone jack, a small + to 250Ω-potentiometer, and a micro-miniature toggle switch at convenient locations on the radio. Wire these up, according to the drawing below.

Figure 3 - Patch Cord Assembly (not drawn to scale) - outside radio. Cut the patch cord 4'/1.2m from one end, 2'/0.6m from the other end. Note: + = centre conductor of cord, = shield (outer conductor).
A late call from Bob Mielcarek advises that the silent period for WLS-890 originally announced for 12/22 in the last bulletin was changed at the last moment to Mon., 12/29 as a program change on 12/22 necessitated a schedule change. This will be too late to be of any value to anyone, but perhaps many will catch WLS off on 12/29 anyway.
COMING SOON ---- THE SONY ICF-SSW

Gerry Thomas  Amando Duffilippo

SONY began testing a new radio in the New York City area in May of 1980 and, from what we've been able to learn (from company-released information), this radio appears to be the latest entry in the BCB DX market. This new radio is currently available in two main configurations: one with a built-in speaker and the other with a built-in microphone. The speaker version is expected to sell for around $200, while the microphone version is expected to sell for around $250.

SOME NORTH-WEST CHANGES

PETER A. HULLAN - Box 1594 - Eugene, OR - 97402

Hi, everyone. I'm pleased to announce that KPTX, 1330, has been selected as the new call sign for the station in Eugene, OR. The station is expected to begin operations in early 1981, under the ownership of St. Francis Media. The station will be a talk station, broadcasting a variety of topics ranging from local news to national issues.

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It's been a while since my last Muse so here goes. First of all, thanks to RAY & ARLENE ARRUDA for a good DX in. Ray's KDAX DX tape was gobbled up. Your home ismoz with a decent DX tape. You've got both a 610-band and a 1200-band, and the best of DX is often found on 1200 bands. flat DX, the World DX Guide, the IRCA Technical Handbook, the 24-hour out DX, and the DXCC Guide. The World DX Guide is a must-have. The IRCA Technical Handbook is a reference book. I've got to own one of these guides. It's a 24-hour out DX tape. The way the typewriter is an Olympic
DX IS GOOD IN NEBRASKA

NEIL G. ZANKE - 623 Lyncrest Drive - Lincoln, NE - 68501

July 7, 1980

Today I finally got to one and only station, WWN, Lincoln. It seems that the DX season has been a long time coming here, T-storms still stonied up north. However, some DX was filtered through my ears anyway, & I will share it all with you. 10/30-WKNX-1540 Benton Harbor, MI heard quiet well on ET with involvement of 1240-1141am through the EBLE TIP.

11/3 - A GOOD SIGNAL FROM KQGO-1230 Paso, TX was announced ET of TT & MOR

11/10, no heard was w/WWN, only unl TD TTR, CKX & KMTT a/f on 5/20-10.45am. 12/15- WKNX-1540 Norfolk, VA heard well on ET with involvement of 4/30-3.55pm & 7.40am with nice signal on their new 825k frequency w/c/mx, never heard before except at SSX. 11/17 a tentative on WSNW-1150 Seneca, 5C with one possible VID & some clarinet jazz & vee re-ceived. On 11/26, a few 4/30-3.55pm W/40-41am.

I will share it with you all.

Both these stations have QSLed.

It's either feast or famine in this DX game.

STEVE FRANCIS - 1620 Lodge Street - Alcoa, TN - 37701

7/7 - On from KNX-1580 after four dates trying to get on, glad to see they've finally gotten something for us today.

12/15-WKNX-1540 MF fair w/PPA 6-10am & w/TT & ID every five minutes.

12/17-WKNX-1540 MF good w/PPA, thanks to KARL FORTH.

12/18 - After 18 months of hearing tone only, I finally got an ID from KQGO-1230 ND on their r/o, 11-15-1873, thanks to WWN being on w/ID only. It's quite strange because WWN is on ET & only managed to get an ID on one of them, due to one of the poorest voice-modulation ratios I've ever noticed. The ID given by a soft-spoken female was not heard on WWN.

11/21- I notice that WWN-1150 is on ET, was hearing on 11/10.

With the WWN-1540 situation, I see now why I never heard a trace of an ID when Buffalo was on. ND #4 here, taped report sent. Or perhaps this "exotic" would have made a week of hearing DX mail.

11/25-WKNX-1540 JA was weak & at times one can only hear "K" and "KX" type of a tpe thing specific out of the tape. Maybe WTH-81 will have the scoop.

12/12-WHEO-1270 VA readable w/56am on SS5, 5kw CF is on per announcement.

SM 12/14- Trying for WY-2110, 360 w/ID, but WNY-1270 TT started bringing up a 5925 out w/PPA, naught else. WAII is heard here at 12/15.

12/15-WBQ-1590 TT in fair w/o WAKR w/porotic TT & ID heard & 1292, 1318 & 1308, UP on ID at 1506 on this station. WWN was also testing their ID & was heard on 1/1/81 where it was to MS, goodbye 1500. Cheer up everybody, once WWO & maybe a couple of others go NSF, 50km clear will be in the E will be NSF & then things can only get better. DXing WWN still looks irregular at 5/15-1296 w/ID.

12/15- WSNW-1150 FAIR in w/o r/TT w/porotic TT & ID heard & 12-20, 12-15, 12-18, cleaned up VI on 1506 at this tech. WWN was also testing their ID & was heard at 1/1/81 where it was to MS, goodbye 1500. Cheer up everybody, once WWO & maybe a couple of others go NSF, 50km clear will be in the E will be NSF & then things can only get better. DXing WWN still looks irregular at 5/15-1296 w/ID.

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DAVE FOX - 333 Douglass Street - Reading, PA - 19601

12/16

Western opening. On 1300 un WWJ & WBIA were heard and then from 5:35-5:45pm a logging was taken on KOKX w/a promo for "Christmas Fantasy" & several oldies.

About 4:22 across of KB9-O37 were heard with a post for a merchant in "Downtown Joplin." Western signals were also being popped in on 960 w/AGIR heard & 5:30 pm w/ Mike Devendonk & Newsbreak & KO WX. By 5:40 WERC-960 was w/in a spot for Video Technology folo by a sports trivia question. With a WERC feedout & 5:45 pm we roused enough interest to get some ticket giving. On 11/12 a tentative logging of W5VUQ-1590 was tried for with a good logging from 1:16-2:07pm. Unn WMAA-1590 was heard w/ at the same time with a good signal. WEST-1590 was heard on 11/27 but yielded no notes from WAKB & WMTS. Various already back from the WOUF & WLT TESTS with the former better & the latter heard very well. Other recent veries in from WLT-1480 (call stands for "Love Those Mountains") & WRJW-1490 (Acting for "Rainforest") GEI (GEF for "Great Eastern Industries") WM-1390, KAWT-960. (For their ET during the unheard WNN TEST), WTHI-1480, WANA-1360, & WAGC-1560. Has anybody received a WDDT-1190 verie yet? I used the address of WDDT-FM w/ report by but they're still waiting for the address in Brockport, NY & 24605.

On 12/15 a tentative logging of W5CU-1590 was noted as a steady ST from 5:51-5:56am. But a real bonus was had with first time logging of 1K4 Stockton Street, Westfield, VA. 5090, also noted from WAKR & CKBM-1490.

Newark, NY & M0 5140 WERC-960 was in w/a spot for DJ Down & Jerry Bond - 14J Burwell Road - Rochester, NY - 14617. Before getting on with the DX, I've got a few items of interest about a couple of semi-locals. One is WACK-1820 in Newark, NY & earlier this Fall there went fulltime w/9.500 after being a daytimer. They seem to be on for the show. The other area daytimer went fulltime on 12/1 & that was WJRT-1590 in Brockport, NY. They are & we are on from 5am until midnight daily. Both are heard here fairly well at night. With WAGA & WSYB going into a tougher & tougher.

About the only good news is that WJAM seems to have gone back to their SM SP after being NSP for 13 years. On TO, DX. 10/30- Nothing new this day but WYRT-1510 was in better than usual condition. With WEGC & WLT TESTS with the latter not at all active.

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Mike Has Some Fine New DX Equipment

Mike Tuggle - 909 Moore's Mill Road - Bel Air, MD - 21014

December 9, 80

Two rather significant, recent developments with the Lyndonie crystal set; one is what I call "The BARFIELD Trap." The brush phones are a full-size headset with crystal set crystal, but not sensitive. I'd long suspected this but had never been able to find a pair decent in design quite until now. They're quite high-Z, so probably useless in your big rig without some matching transformer.

The second development, the BARFIELD-300, is actually an antenna tuner/pre-selector and a crude version of my old "Barkley" type coil across the main section of a two-band superhet, with the osc. section running to a filter and to Choteau Bay. I've been using this for some time now - took me a year to fiddle out how to make it work.

Mike has a new list of DX stations around the country, and one in the west. It's worth checking it out now.

KNOXVILLE'S 530 TIS IS REACHING FLORIDA

Gerry Thomas - Box 2036 - Pensacola, FL - 32503

904-422-4908

I'd like to extend my sympathy to the family and friends of Ron Lorance, who met a tragic end.

Our sincerest sympathies to Dan Phillips - 835 Danton Lane - Birmingham, AL - 35204

It was a shock to hear that one of my biggest DXers, Dan, had met a tragic end.

RAT LOGS TWO NEWIES SIMULTANEOUSLY IN THE SAME STATE

Rat Arruda - 47 Burt Street - Akron, OH - 44316

December 12

WRXU-1500 and WNJS-1500 were on at the same time.

ANYBODY KNOW OF A KISS, FREQUENCY NOT GIVEN

Paul Zebel - 531 Hurry - Ely, NV - 89016

December 9

Who is it?... anyone got a clue to who this is? (WRQF) - KZQ)

SOME COMPANIES BEGIN PICKING VACATION DATES EARLY. IF YOU BELONG TO ONE SUCH, KEEP IN MIND THAT BIG N.R.C. CONVENTION LAST WEEKEND IN ROCKWALL, N.J! IT WILL GIVE YOU THE CHANCE TO VISIT N.Y.C. ON ELECTRIC TRIP AND STAY AT THE BEST WESTS FOR THE NEW YEAR!

Mike Has Some Fine New DX Equipment

Mike Tuggle - 909 Moore's Mill Road - Bel Air, MD - 21014

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Who is it?... anyone got a clue to who this is? (WRQF) - KZQ)
A few of the stations I've heard: 12/11 WRRK-690, Fame, FL, was in my area 5:30pm & 6:45pm and AM & FM are for several hours. On 12/12 I heard the s/o of WJSX-900 AM @ 5:16pm on AM. On 12/13 I heard the s/o of WRMC-1380 AM & FM, which is in left behind small WMGK's s/o. On 12/14 WQSO-1150 AM, was in wa very strong signal at 5:27 & 5:30pm, in program & s/o & e in LR heard. Knowing that the station was still going strong, some time ago I called the station & was told that they will begin long operation around 15/1/81. On 12/15 @ 5:30pm WUCL-1100 AM was in end of REL program & WQSO-1150 AM @ 6:45pm & 7:00pm. On 12/16 I heard the s/o of WJSX-900 AM & FM, which was in left behind small WMGK's s/o. With some of small WMGK's having moved from this frequency to 630 kHz I am seeing a few new ones here. Finally, on 12/17 WAPD-1270 AM in @ 6:12pm was in right behind WMGK's s/o. With these new stations my total now stands at 859 heard. As this Muse won't be in print until 1981, I hope everyone got the Christmas "goodies" they wanted and had a safe and sober (?) New Year's!

CESAR HAS VISITORS FROM SWEDEN

Cesar: — Cesar Enrique Ramirez — Santo Domingo, Dominican Republic. Cesar has been visiting friends in the States for several weeks. He is quite happy to be here, enjoying the warm weather and good food. He plans to stay until the end of the month, then return to his home country. Cesar is looking forward to visiting the beaches and enjoying some local cuisine. He hopes to return to the States soon for another visit. — Cesar has been visiting friends in the States for several weeks. He is quite happy to be here, enjoying the warm weather and good food. He plans to stay until the end of the month, then return to his home country. Cesar is looking forward to visiting the beaches and enjoying some local cuisine. He hopes to return to the States soon for another visit.