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23 .. Buy a Log!

CPC Test...
KCRV-1370 - P. O. Box 9 - Carruthersville, MO 63660 will present a special DX Test Monday morning October 28 at 0615 ELT. The test will include tones, music, Morse code, and voice. Arranged for the NRC by the Colorado CPC Machine.

The CPC treasury is at an all-time low! After sending out 60 letters, we are in need of your stamps/checks (made payable to Jeff Tyran) to continue sending out letters for the first half of the DX season. Please send your contributions to Jeff Tyran - 10359 Severance Drive - Parker, CO 80134.

From the Publisher... As I type this up Sunday evening, October 20, Wayne hasn't called with any news of forthcoming CPC tips, so I think I can assume that we are running behind last year's record CPC schedule. Be sure to send both tips and $5 to Jeff.

Ernie Wesolowski is announcing his annual answer to the Emmy Awards in the form of his production of the 1991 convention, on VHS T-130 tape, lasting 4 hours and 20 minutes. Not only does it contain highlights of the convention, but also shots of WHOT, WOWO, WLW, and the Bethany Relay of the VOA and NRC's antennas and radios at the convention. Your cost is $20; send your check (made out to the National Radio Club) to NRC publications, or call in your credit card order (see p. 23 for the phone number). The NRC receives 25% of the proceeds of the sale of this tape.

Don't panic - AM Switch didn't get lost in the mail! Jerry's just on vacation this week, and AM Switch should return next week.

A reminder ... it takes at least four weeks for your address change to take effect, if you send it to the correct address. If you send it to Topeka, you can add another week to that time, as the publisher has to forward it. Where does it go to? Just check out the back cover - complete details are included there!

Clippings ... Newspaper clippings concerning the radio industry are always welcome. Send clippings concerning format changes to Tony Fitzherbert (see p. 15), about changes in the status of AM stations to Jerry Starr (c/o WHOT Radio - 4040 Simon Road - Youngstown, OH 44512-1320); other industry news to Laura McCusker - c/o WROW - 341 Northern Blvd. - Albany, NY 12204; and news of radio personalities to Pete Kemp - P. O. Box 73 - Bethel, CT 06801-2203. Other clippings of general interest should go to the publisher.

Don't forget Ray Arruda's "Lower Deck" GTG on November 30 at 47 Burl St. - Achushnet, MA, starting around noon. All DX'ers are welcome.

They joined ... Eric Cooper, KB6VPI - Lake Forest, CA; Frank W. Moseley, III - Dothan, AL; and Bryce A. Carrie, WD4QJD - Asheboro, NC.

And that's it for now. Please support your NRC by contributing to your choice of columns or activities. 73.

DX Time Machine

From the pages of DX News
50 years ago ... from the Oct. 25, 1941
DXN: Eric Bristow, Chicago, IL, reported hearing a baseball game in Spanish from WSYI, Caracas, Venezuela, between 3 and 4 am on Oct. 18.

25 years ago ... from the Oct. 31, 1966
DXN: Morris Sorensen, Elmsdale, ON, sent in his first Musing, reporting having logged 202 stations from Elmsdale ... George Santulli, Cranford, NJ lost an antenna due to men working in trees ... Ernie Cooper typed 34 Musings to the Members in this issue, including his own.

10 years ago ... from the Oct. 26, 1981
DXN: Ernie had to type up 26 Musings in this issue ... Mark Connelly's article, "Phasing Unit Design Modification", appeared in this issue ... treasurer Dick Truax's annual report showed a net worth of $7846.86 for the NRC.
DOMESTIC DX DIGEST - EAST

William Hale
734 Burleson
San Marcos, TX 78666-4335

DX Catches in the Eastern U.S. and Canada, with 24-hr. ELT

MEDIUM WAVE RAMBUNDS

Welcome to new reporters Jim Baggie out of Springfield, Massachusetts and Jim Cross from Dayton, Ohio. Good reports, guys. Keep 'em coming!

I'm back from my unexpected trip. Hopefully, things have returned to normal here at "DX Central". I know several of these reports should have been in last week's issue, but you gotta do what you gotta do. Keep those cards and letters coming, and let me know what you've been hearing on the old medium-wave band. We have a wonderful turnout for so early in the season. But some have commented that the "season is well underway". Must've been someone in Manitoba, hi.

SPECIAL

530 CIAO ON Brampton - 9/28 1950 fair - good with local ads & phone number in ?? language, then ads in EE; CIAO-ID; exc 790; new freq for US (VAL-DX)

560 WEAZ PA Philadelphia - now running satellite-delivered beautiful mix with ID as WISH 680 but legal ID as WEAZ AM at 60; in C-Quam Stereo; NSP aired still (DS-DE)

790 CIAO ON Brampton - 10/1 still here, so same deal as CJMR was; will stay until listeners learn to get it on 590 (DT-ON)

1100 WLBV MA Carollton - 9/27 1828 hrd broadcasting WLB-TV Atlanta Channel 2 6:00 news audio; Country 11, WLBV slogan (KJ-VI)

1250 WKBR NH Manchester - 9/30 2200 this is one is back on the air, simulcasting WNNH-1340 Madison; wtd with IDs for both and Love Radio slogan (IB-NH)

1280 WSRM MA Springfield - on the AIR in early September due to bankruptcy (JB-MA)

1300 WJKD MD Baltimore - 10/3 0902 infinity Broadcasting has begun 100% simulcasting with legal-sounding ID of their WJKD-FM 106.7 Manassas, which now features (as of 10/2), the former Morning Zoo show (Don Gannon and Mike O'Meara) of WAVA-FM 105.1 Arlington; they anchor afternoon drive while Howard Stern's morning network now brings its spankings and cup sizes from NY's K-Rock to Philadelphia to Manassas (SW of Washington); most of the time (during non-drivers) it's classic rock (WN-MD)

1310 WYFD FL DeLand - 9/28 2203 is now REL per sign-off... The very best in religious programming, WYFD, good (JPC-CL)

1390 WTXC SC Charleston - 10/2 simulcasts with and IDs as: FM 97 (JPC-CL)

1500 WTOP DC Washington - noted off at 0048 (DS-DE)

1600 WXQY MA East Longmeadow - now simulcasting with FMer WAQY with Wacky 102 slogans (JB-MA)

UNIDS AND UNID HELP

990 UNID ?? - 9/29 0201 fair, overruns CKIS in WIVK null; with JAZZ92 (JL) mx, no ID hrd; faded at 0220; best on east wire or north wire (VAL-DX)

1280 UNID ?? - 9/27 2211-2130 Georgia Tech vs Clemson FB game, ads for BC Pain Pilla, The South's #1 Headache Powder; at 2130, W???; faded; fair under WADO (TC-NY)

1530 UNID ?? - 9/24 1645 mentioned Country Gold and 5000 watts (JB-MA)

1560 UNID ?? - unID by DS-TN (issue 30) can't be KMPC as they changed IDs to KNZR two years ago and are not on the ARN-Sports Final net (TH-CA)

1580 KOWW AZ Tempe - log of JH-PA can't be this [issue 30] as AZ does not observe DST except on Indian reservations, so 5:12 ELT would be 2:12 AM MST, not 3:12 (TH-CA)

1590 UNID ?? - unID by YE Editor in issue 30 sounds a bit like XEOX [ Isn't it VOX?] - Ed.; format matches but slogan is Capital Radio, not Radio Capital (TH-CA)

1403 0119-0121 announcement for the Family Bible Center, Edmonton Ave., 455-0678 (TC-ON)

DX AND EQUIPMENT TESTS

1560 WMOM MD Laplata - 9/30 0125 & 0136 This is WMOM, Laplata, conducting a test brief spurs of hard rock; when hrd, overlaid WPAD (TC-ON)

TIS AND OTHER STUFF

1280 CFYZ ON Toronto - 9/30 0745 Pearson Int'l Airport TIS; good with usual EE and PF airport Info, a very unusual TIS frequency; are there any other TISes that are not on 530, 1610 or 1620? (MB-ON)

SCHEDULES

1360 WVSJ NJ Washington Township - 0900-1900 Mon-Fri, 0800-2400 Sat; 0900-1830 Sun; subject to change pending night remote (GS-DE)

1590 WCZN PA Chester - 0800-2100 Mon, Tues, Wed, Fri, Sun, 0800-2400 Thurs, Sat; that should keep Ben D. happy! (DS-DE)

MIDNIGHT TO 0800 HOURS ELT

550 KOCY AZ Phoenix - 10/5 0030-0100 Dodgers Giants BB with KTS and KUSA; still use 1000 watts at night? (BS-NE) [According to the NRDC Log, they're U: 5000 1000 - Ed.] KTSX TX San Antonio - 10/5 0030-0100 with Larry King Show with Jim Bohannon hosting; KOY and KUSA mixing in (BS-DE)

650 WSNN TN Nashville - 9/27 0020 0600 Opryland Radio A service of Opryland USA; C&W mx, morning ex (TB-0H)

810 KGO CA San Francisco - 9/29 0315-tk with female host; Three Fifteen KGO Talk Radio 910, _ Olsen - 441-025 or 1-800-154-TALK, good for NS pattern (JB-TX)

820 WBAP TX Fort Worth - 9/15 0200-0300 very faint with C&W mx, wx (TB-0H)

CHAM ON Hamilton - 9/15 0300-0340 faint with C&W mx; mixing with WBAP (TB-0H)

830 CFKR ON Brockville - 9/25 0011 very strong with OGL, ID, way over WWMO, did not switch to night pattern; automated at night (DS-DE)

920 WKRK NY Cortland - 9/28 0427-0553 The best odds on the radio, Kool Gold, WKRK; 920 AM, your oldies station; WKRK, good (TC-NY)

950 WWJ MI Detroit - 9/28 0230-0222 race results; WWJ news time poor under WPEN (TC-NY)

980 WYYF TN Nashville - 10/6 0555 fair with REL mx and ID (RK-IL)

990 WYKX TN Knoxville - 9/23 0600 with news; fair under WRTY others (JB-CL)

1090 CKKW ON Kitchener - 9/22 0021 good with AM 1091 D (JPC-CH)

1130 KPAN MN Minneapolis - 10/2 0055 fair with sports call-in show; in WHAM null (JPC-CH)

1180 WJWF RI Wakefield/Hope Valley - 9/30 0753-0833 WJWF: Your number one country station, ad for Richard and Michelle's Insurance and Real Estate; fair under WAM (TC-NY)

1190 WOWO IN Fort Wayne - 9/27 0700-0830 Fort Wayne's Oldest Giant and The Good Morning Team mentions; 50s-70s ROK POP OLD, mix-syde show (TB-0H)

1200 WBTU MS Bay St. Louis - 9/26 0700 sign-on; dominant signal, WBTU, 1190 AM American Music into C&W (KJ-0A)

1200 WOAI TX San Antonio - 9/28 0000-0115 with High School Scoreboard Show and Sports By-Line talk show; then Foundation of Human Understanding
1600 TO 2400 HOURS FLT

590 WROW NY ALBANY - 9/21 2430 positive ID as Beautiful Music AM 520 WROW and Wake up in the morning to WROW, Albany, strong QRM from CQFR, but hrd this in the null (LK-ON)
620 WHEN NY SYRACUSE - 9/21 2200 positive ID at :00 as New York's source for news, WHEN, then into nyc in the mess with others under fade (LK-ON)
WRJZ TN NASHVILLE - 9/25 2345-2346 with Christian Evangelical Bible Class and Life Perspectives (TB-ON)
660 WMIC MI SANDUSKY - 10/7 1640-1730 OD, ROK mx, news pgm; faint (TB-ON)
680 WFAN NY NEW YORK - 9/25 2220-2230 All-Sports Radio, continuous sports news, scores, talk show, traffic and wx (TB-ON)
720 WGN IL CHICAGO - 10/4 2150-2211 with nyc & local talk show; very faint (TB-ON)
800 WTMR NJ CAMDEN - 9/28 2017-2030 Let Your Light Shine for Jesus Show; nyc call letters hrd, but phone # given as 609-962-8178; over WLAD/CLW (TC-NC)
WKEE WV HUNTINGTON - 10/1 1900 weak with Your Oldies Station WKEE ID (JPC-ON)
6 WLEE VA RICHMOND - 9/24 1915 just hr'd ID thru WSCR (HJH-PA)
1330 WFBG SC GREENVILLE - 9/27 1955 fair w/ ID and ad for Pizza Perfect in Greenville (JPC-OH)
1340 KOPO ND GRAFON - 9/28 1720 XLNT w/ Mexican mx pgm; 1st time hr'd this way (VAL-DX)
CKRE ON RED LAKE - 9/28 1810 good w/ mix of mx, wx report, CKREID (VAL-DX)
1370 KKKJ TX ROLLINGWOOD - 9/28 1959 fair w/ GLD, full ID (RK-IL)
1380 WIZO MN FRANKLIN - 9/27 2118-2132 The Cidlers, WIZO, fair un under WKDM (TGC-NY)
WIZO TN FRANKLIN - 10/2 2221 very good w/ BBD and EZL with promo and ID (JPC-OH)
1390 WRSC PA STATE COLLEGE - 9/26 1900 way atop with dust ID State College-Bellfountain, promo for Lions FB (DS-DX)
WXTC SC CHARLESTON - 10/2 2222-2232 very good w/ FM 97 ID at 2232 and WXTC AM and FM, Charleston ID at 2302 (JPC-OH)
1400 GJFP PQ RIVIERE-DU-LOUP - 9/19 2352-0036 w/ 2 or more men talking in FF; poor (DT-ON)
1430 WXIN INDIANAPOLIS - 10/2 2140-2245 heavy metal mx, also IDs as 10/3, The Fox (TB-OH)
1440 KJOL LA MONROE - 9/17 2139 good w/ HS FB and local ads (RK-IL)
1450 KSWJ CT POQUOCHOCK - noted again 9/22 2359 w/ sign-off in Yiddish, satd that most distant listener would receive a prize of a bar of Yak Butter for correct report. This is an odd station, indeed! (DS-DE)
WMOH OH HAMILTON - 9/26 2305-2400 w/ Sports Final, ID at 2000, local ads ...singing Courtantos (7): poor under WCTC/WFRA, (DT-ON)
WFRA PA FRANKLIN - 9/26 2205-2400 OLD mx, sign-off at 2400 ...WFRA., poor under WMOH/WCTC (DT-ON)
1540 WECZ PA PUNXSUTAWNEY - 9/26 1926 numerous ads mentioning western /punsutaawney/ (not fair making me type that twice, hit Ed!); nc CID hr'd (HJH-PA)
1560 WQXR NY NEW YORK - 9/27 2120-2210 The Radio Station of the New York Times; continuous CLA mx; 54 degrees in midtown Manhattan (TB-OH)
1570 WANR OH WARREN - 10/1 2359-2400 TLK, sign-off, welcome reception reports, ID, etc. poor under 2 unis (DT-ON)
1580 WSRF FL FT LAUDERDALE - 9/29 2003 The following program does not necessarily reflect the views of WSRF, its employees, or management, mention of FM 92.5 - 1 FM station; phone given as 581-5885 (vs 581-1580, Lz Log); poor (TC-NY)
WEBG PA EBBENSBURG - 9/28 1930-1959 The Christian Brotherhood Hour, ID'd as WEBG Ebenbse and WGOE Johnstown, 7 simulcast on 1207; good over WPAG and USJ (TC-NY)
1590 WAKR OH AKRON - 10/2 2025-2100 coverage of Indians vs Browns BB (TB-OH)
1600 WBLY OH SPRINGFIELD - 9/27 2030-2115 with local HS FB coverage, Central Catholic vs Versailles (TB-OH)
WITF OH Tiffin - 9/20 2150-2214 HS FB, end of game, ...WITF & WITF-FM, overheard WAFN (also w/ HS FB) (DT-ON)
1610 Caribbean Beacon BWI ANGUILLA - 9/4 2030-2120 as I mentioned in my May report, I'd been trying to get a positive ID on this one for some time, this date there was a sermon from Brother Hardy giving an address in Baltimore, MD; then, finally, a positive ID as This is the Caribbean Beacon followed by CNN News; very loud and clear at times but also with severe fade (UK-ON)
[This should have gone to IDDX, but since we had it earlier as an unID, I thought we'd finish off the mystery and close the case, also note their use of CNNI - Ed.]

REPORTERS

JB-TX JIM BOEHM/Star Antoina, TX/RIF-2010 Dual Tunable Audio Filter
JB-MA JIM BAGGS/Springfield, MADGE 7-2990 + LW
JB-CT JIM BAGGS/"Mobile" In CT/Delco caradio
KVJ-GA KARL LETER/Stone Mountain, GA/HQ-150 + 48 NRC Loop, LW

DS-DE DAVE SCHMIDT/Willington, DE/HG-180A + SM2
GML-MB GEORGE McLAUGHLIN/Wilmington, MD/INRD-635 w/ 76 LW
BR-NH BRUCE CONTI/Newark, NJ/HDX-400
LK-ON LAURENCE KEEHAL/Orleans, ON/ICF-545 + loop
HJH-PA HARRY HAYES/WILKES-BARRE, PA/Publicradio + SM2 (X2)
TB-OH TONY BERNHOFER/Toldeo, OH/Pioneer SK 650 Boom Box + 2 home loops (X2)
WN-MD WLTER NISSEN, JR/Silver Spring, MD/I
TH-CU TUL HALL/Jculia Vista, CA/Unid help
BS-NE BOS STRAUSS/Palmers, NE/1-year-old Superadio
TC-NY TONY CASASSASSA, NY/ICW/Manchester, NY/NR-525 + Palomar Loop
MB-OH MIKE BROOKER/Toronto, ON/CF-7600D or RF-2200
RK-IL ROBERT KRAMER, NY/MB/Chicago, IL/IR-5000, F-1000, HG-120X + 2 LW Loops, Kowalski Loop + Kantrabius Signet Enviator paklinch filter
VAL-DX SAWL AXELROD & WAYNE Mccrei/VAlhalla, NY/MB/DXPedition/IR-70 + several beverages
DT-ON DON TRELORD/Scarborough, ON/R-2000 + LW
JPC-OH JIM CROSS/SP-600 + homemade wedge loop
Ed-TX Ye Editor/San Marcus, TX/73

GYDXA UPDATE
1230 kHz: KFUV Las Vegas MB DXPedition# Vailhalla, MB 1120
1400 kHz: KRPL Moscow MB DXPedition# Vailhalla, MB 950

# = Shawn Axelrod & Wayne McRea

KARE RADIO, INC.
P.O. Box #1 Ashland, KS 66702

IN THE BEGINNING
BY JOHN D. BOWKER

THIS IS THE COMPLETE LIST OF U.S. BROADCAST STATIONS ON THE INDICATED FREQUENCY AS PUBLISHED BY THE FEDERAL RADIO COMMISSION IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "T" INDICATES TRANSMITTER LOCATION; "D" MEANS DAYTIME OPERATION ONLY; "U" MEANS UNLIMITED TIME.

Frequency (kc) Call letters Main studio and transmitter location Power Time designation
1150, clear WHAM Rochester, N.Y---- 50 kw U
1180, clear WWVA Wheeling, W. Va---- 5 kw S-WWOA
1180, clear WOJO Fort Wayne, Ind.---- 5 kw S-WWYA
1170, clear WCAU Philadelphia, Pa---- 60 kw S
Feeling a little depressed bunko?

Feeling a little depressed bunko?

Found yourself a little short of cash at Convention time this year? The kids wanted new clothes and the high cost of school books has you down in the dumps. Plus the wife just went out and spent $500 on a new washer. Uncle Krazy Ken is here to save you from the winter blues.

Just for you, 5 hours of the NRC Convention held at Bridgeport West Virginia this past September. Business meeting, many interviews, several technical talks. You get 2 C90, 2 C60 high quality music grade tapes - all this fits into a sturdy Cassetta album. Only $20.00 per set. Order today.

Yes! I want to order the 1991 NRC Convention Audio Tapes. Please send me _______ copies.

Name______________________________

Address____________________________

MAIL this order blank with your check or money order to: NRC Publications, Box 164, Mannsville, NY 13661. NY Residents must add sales tax.

PHONE your credit card order to (607) 423-4159. Be prepared to leave your credit card number, expiration date and your address if you get the NRC order machine VISA/MC only. NY Residents must add sales tax.
FM DX Digest

10

Todd Brandenburg, KA0KAN
9720 NW 31st
Silver Lake, KS 66539-9403

Hello everyone! As I mentioned last time, this is the final edition for 1982. Thanks to everyone for your contributions, suggestions, and kind words.

Those of you who haven't had your fill of FM DX this summer might want to join the WorldWide TV-FM DX Association, which publishes the VHF-HF Digest monthly. Send $7 for a year to W7FDD at PO Box 514, Buffalo, NY 14225-9425.

For the last of this week, it has been a lot of fun. If you have any ideas or suggestions for next year, I'd like to hear from you. Include your station ID's and I'll try to work with you. The jury is in, and the verdict for the 1991 season is that it was rotten. Tornado was down from last year, as was E-skips, but the auroras were more active than I expected. For myself, I heard nothing west of the Kansas/Coleorado border all year. Let's hope that 1992 is better. I'll start looking for your logsheets for March 1st.

'73 for now,

Todd

Roger Winsor, 706 Longrun, Valparaiso, IN 46383

This is my first report to this section (Guess you have aboted- trb). Interest in AM is totally nil. Much of the DX is done with me and a WFDTD'ser put in a new chip. It has totally improved selectivity. I can now dx any frequency on the dial. Before that was not possible. No skip this summer except on 711 I heard WQST-92.5 Forest MS at 8:30, plus until CLA on lower end from MS. The rest is troppo.

Total now is 1035. My location is 40 miles SE of Chicago, and yet I am able to get adjacent stations with ease, never available before. I use a home-made dipole.

Local new stations:
531 0700 90.5 WNIJ IL Rockford- w/NPR and ID, often heard w/jazz during day.
570 0700 1590 WBNF IN Van Buren- ID C-95, id ads, WKLK off already.
2320 98.7 WQME IN Anderson- nicely w/jazz in the middle of ID.
8.23 2320 88.3 WGLN IN Glenview- a real shocker w/phone # inviting to listen until sof off at 2340, to WQPK at all.
8.24 0240 104.5 WQKT OH Wooster- w/C&W

'Your country connection', all alone and strong!
0340 1015 WVOH OH Ashland- in WCUZ null w/C&W, mx ID, 'All American Radio'.
8.31 0652 93.5 WRQN OH Bowling Green- in a nice duct to NE Ohio, Q-93 null ID, means of Toledo, etc.
6.055 92.3 WKGH MI Albegon- at last thru pest WYCA, C&W mx, FM-92, mx IDs.
0710 96.1 WCBT OH Urbild- w/ID, mx IDs, ex-95.9 when last heard in 1969.
10.30 1051 WQTX IN Roanoke- ID news/talk format, so 9-3.
19.2 1051 WNUY IN Bluffton- Y-100 null ID, mx IDs, WKLK null.

Russ Edmonds W2BZJH, 753 Valley Rd., Blue Bell, PA 19422 using Nissan car radio & whip. September has proven to be even poorer than August for FM this year. Last year, we had several good openings. For this year, I have a couple of good sites in the fleet. 19.5 0705 98.3 WSUL NY Monticello- heard w/rock and ID.
0708 97.3 WZAD NY Wurtzboro- sports, Hudson Valley wx ID.
9.6 0717 107.3 WDBA PA Dubois- prom wro, wx ID, 'Life 107.5' and ID.
6.062 96.3 WFOG VA Suffolk- w/35k ID, slogan, promog.
6.065 94.9 WQJI VA Virginia Beach- mx ad, traffic report, ID.
9.10 3815 91.1 WRTY PA Jackson- w/ID, jazz, Temple Radio Network ID.
9.16 1000 95.0 WMSM VA Norfolk- C&W w/ID, traffic ID.
6.52 99.7 WYFI VA Norfolk- w/promo.
17.90 3815 91.1 WRTY PA Jackson- w/ID, jazz, Temple Radio Network ID.

Doug Allen W2CRS, PO Box 5646, Woodland Park, CO 80866

Equipment: Ormsky T-4067 and various Pioneer tuners (all modified), FM-13 at 90 feet.
9.3 meteor scatter
1020 98.3 WXTX FL Lafayette, '98 WXTX'
9.4 meteor scatter & irony scatter
1000 98.1 WWJY MN St Cloud- ID
1200 107.3 KSLT ND Spearfish- jos
205 896.5 WKBX ND Okaha- C&W
9.17 995 MN North Platte- 'Nebraska Public Radio'; multiple IDs on the hour.
9.6 tropo
0700 103.5 KINE NE-?? w/NB Public Radio // w/88.7 and 91.7, (any help anyone on this ID.
I can't find this anywhere- trb.
6.010 93.5 KEZQ KS Salina- C&W full quiet at 400 highs (Doug, note calls trb).
6.015 101.5 KRKX NE O'Neil- ID (aren't these guys on 102.1?- trb). 6.025 90.3 KINE NE -?? w/NB Public Radio // 88.7.

Bill Nienajdy, PO Box 2999, Clifton, NJ 07015

Pioneer TX-9600 with two 180's and three 150's, Audiophonic car rx with two 100's and AFC defeated, GE Superadio with 110 filter, 6 element R.S. ant at 80 ft with rotor and 1068 post ampl.
7.3 E-skips
1814 93.3 WFLZ FL Tampa
1816 92.5 KKNQ OK Oklahoma City- another split opening.
1819 92.5 WYU FL Safety Harbor
1838 92.1 KEEM TX Commerce
7.19 E-skips
1732 92.1 WDQG GA Adel- Travelers Information Service 'Exit 10-75 in Adel' in stereo
2014 Gulf area pests- WDXJ 96.9, WBLX 99.1, Mix-97.1 fox // 260-9995, also possibly new WQMB PA New York, FL Classic oldies 98.5, Am I correct on this one?
2035 97.7 WBGB FL Bonifay
2039 102.9 unID- Rock 'n roll ment! WLAKE Heidelberg, MS. Classic oldies, w/ID.
2044 99.3 WBBZ or WEEZ not sure- could be WEEZ Heidelberg, MS.
7.30 1015 WILF FL Panama City- Oh Yes! I love one ID Clear over 10 mi CL
WNIK West Palm.
2116 104.6 WPCL GA Albany- very rare
2119 92.9 WAAC GA Valdosta- with ments of

Adel, GA and C-92.
2130 97.7 until July 20 at the Wayv WWF Waycross GA trb.
2141 101.7 WCWF FL Trenton-Swanee River
Country heard with calls
2141 95.3 FL Fort Myers- plus other E-skips Florida pets like Miami area
96.5 FL Spanish, Yaw Yawan WW 92.5, WRXQ 96.1.
7.22 E-skips, a very nice opening! something other than the Gulf.
7.22 99.1 KKEG AR Fayetteville- then Minnesota areas
7.29 91.7 unID- mentions St. Paul and Twin Cities- I doubt EG at MC-10 w/ID
7.32 91.5 KWDA MN Worthington- KO-95
749.9 91.9 unID- 'Pasty Loverless performing at Mission Creek' obviously a country station
8.1 90.7 KQMB MN Minrow- Warroad- KQ-92 Minnesota's Original Rock'.
2143 92.1 WMEQ WI Menomonee- ID not heard, but they did mention 2 nearby cities which did check in. Eau Claire and Durand.
2149 99.1 unID- 'WECL WHO IS THIS HELP!!!'
(WECI is a new one in Ekl Mount, WI- trb)

9.754 AM- for Communications West and Twin Cities mentions
7.29.91 E-skips
2345 92.9 unID- 'Star 92 this might have been the Midwest maybe also or MN.
8.26 Troop
0615 104.7 WWMV MD Hagerstows- 185 miles
0926 Lancaster, York, Red Lion, Reading plus Georgetown- 67.7 all way normal
8.27 Troop
0700 92.5 WKGB PA Susquehannah- 211 miles, this starting to be a real winner.

This season did turn to below average, though I have seen much worse than 1991. The sunspot activity is on the rise, but I believe. All in all I say this season was a stinker.

It might not look like much, but it's home. Wowie/Yassar (Plint-Sagwar) has been operating from his tent and a cinderblock transmitter that looked pictured above ever since the Orientex transmitter that had beenWatkinsville. The fm transmitter was owned, but the mode is different since I find it a little disturbing. I'm fortunate because I have a lot of furry animals that I really love the business. They don't believe in quitting," he told KAR.

Shoreport - the only black man to hold the job of the Plint-Sagwar market - said he has received a single phone call about this week's broadcast. "I'm not sure if I'm helping their cause or not, but I keep an eye out for them."

Station owner Michael Liadam said the fire cost nearly $400,000, and it will be at least two months before the station will be able to move into its new quarters — a mobile home. But his troops are holding their own. "The morale is high," he said.
Welcome back to IDDX, George Hakieli! George has been hearing TPs from Long Island! Also welcome back to Alan Merriman with his Drake R-8. Lots of Caribbean splits from Alan. I believe he is a former IDDX editor, which means he rates room for commentary below? what are the rates of you hearing? Let everyone knew through IDDX! — Jim

International DX Digest
Foreign DX Catches. Times are UTC; for ETL, subtract 5 hrs.

Welcome back to IDDX, George Hakieli! George has been hearing TPs from Long Island! Also welcome back to Alan Merriman with his Drake R-8. Lots of Caribbean splits from Alan. I believe he is a former IDDX editor, which means he rates room for commentary below? what are the rates of you hearing? Let everyone knew through IDDX! — Jim

HIAW Radio Guarachita
"LA PODEROSA"

535 GRENADA St. George's 0035 10/11
Fair, quiet vocal, 2x, best on E/U sloper, covered by powerline noise on N/S sloper and loop. (AM-VA)

555 ST. KITTS 212
St. Kitts 0224 10/11
Quiet, 2x, best on sloper. Line noise on loop. (AM-VA)

595 DOMINICA Roseau 0031 10/11
With steel band, 2x, rapid male snore, w/usual mushy audio, several spots. Good signal on N/S sloper. (AM-VA)

700 JAMAICA NRC Radio 1, Montego Bay 0031 10/11
Excellent w/nx headlines, several IDs, program aired. Best on N/S sloper. (AM-VA)

705 ST. VINCENT Kingstown 0047 10/11
Presumed w/nx, poor signal. Always a tough log here, w/nx. (AM-VA)

720 JAMAICA NRC Janaco, Kingston 0030 10/11
Excellent signal w/feudal announcements, about equal on the loop and N/S sloper. (AM-VA)

750 JAMAICA Point Maria 0043 10/11
Good w/nx, 2x, WVB phased, 700 Montego Bay also good on loop w/same program. (AM-VA)

800 NETHERLANDS ANTILLES PZB, Bonaire 0149 10/11
Man in PF, dominant but not the super sig they've had in the past. (AM-VA) I believe they are directional to Brazil when in PF -- Jim

895 ST KITTS VP0, St. Kitts 0040 10/11
Best ever, 2x, 5-7 w/talk, quick fade. Best on the loop. (AM-VA)

1100 COLOMBIA 0145 10/15
This frequency a jumble of most evenings w/IDDX phased. At least three muted at this time: one, with a list of Colamex cities, including Cali and Cucuta, neither of which has stations on 1100. So I thought I heard a "Roto, ID one evening, but not sure. (AM-VA) I don't hear a network list -- Jim

1105 COLUMBIA radii LV de la costa, Baranquilla 0149 10/15
Very good w/nx, two sloper IDs at 0200, one w/echo. Best copy on sloper w/IDDX phased. (AM-VA)

1553 CAYMAN IS Gun Bluff 0133 10/25
Excellent w/nx. Religious program, absolutely no QRM even w/kei selectivity. 20/8/9 on N/S sloper. (AM-VA)

1707 TUNICA & CICLO OS 15 Atlantic Beacon 0037 10/7
Been wondering where this was. Excellent signal w/IDDX phasing. ID at 0040. Best bay far on the loop. (AM-VA)

STATION NEWS
In Report from Europe: "Gordon Bennet in United Kingdom reports good openings to North America on Medium Wave between 17 & 24 September, at 0440-0600 UTC." (Play-DX Radio)

Alan Merriman's observations: Have been doing a lot of listening since early August, continuous auroral/sideauroral cx. Except for one evening in Aug. when there were a few tms on the upper end of the band and a very weak 1531 kHz hit a couple of weeks ago, there has been no sign of any TMs. Lots of LMs -- every evening many openings, but nothing that really sounded interesting and I haven't had the patience yet to try for many IDs -- the LMs don't seem to ID any more than a lot of US stations anymore.

CONTRIBUTORS

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Limited Quantities!!
Welcome to edition #2 of CSN for 1991-92. We have a huge report on the Colorado Rockies this time, so let's dive right into it.

IOWA HAWKMEN (Iowa Sports Network)
Preston Mitchell, Tim Boyle, Bob Evans

600 KWT - IA 1540 KXEL-IA
990 WQZ - IL 1070 KIZR - IA 91.1 KTIV - IA
1300 KEXA - IA 95.3 KIM - IA
1340 KSTEM - IA 95.9 KIUR - IA
1380 KOI - IA 97.7 KM-g1 - IA
1400 KOCQ - IA 98.5 KSMD - IA
1480 KTUP - IA 98.5 KEMA - IA
1500 WGIN - IA 100.3 KTDR - IA
1510 KIPO - IA 102.7 KTPC - IA

IOWA HAWKMEN (Hawkeye Network)

860 KFWC - IA 1580 KOIA - IA
1160 KXIL - IA 92.7 KXLA - IA
1220 KXAN - IA 92.7 KXLA - IA
1250 KXDL - IA 95.3 KDAO - IA
1240 KX12 - IA 92.7 KXLA - IA
1280 KXOB - IA 97.7 KMAG - IA
1310 KXRX - IA 98.1 KHAI - IA
1340 KXKA - IA 93.5 KSTU - IA
1360 KXCA - IA 100.7 KSOM - IA
1390 KXAR - IA 103.9 KXLA - IA
1440 KXCO - IA 105.5 KXLU - IA
1460 KXGO - IA 106.3 KXLU - IA
1470 KXCO - IA 106.3 KXLU - IA
1490 KXSB - IA 107.1 KEWA - IA
1530 KXEN - IA

KANSAS JAYHAWKS
Bob Davis, Max Falkenstien

730 KZKL - KS 1600 KZWO - KS
980 KZKL - KS 1240 KZKL - KS
1280 KZKL - KS 1290 KZKL - KS
1290 KZKL - KS 1340 KZKL - KS
1350 KZKL - KS 1440 KZKL - KS
1410 KZKL - KS 1440 KZKL - KS
1440 KZKL - KS 1460 KZKL - KS
1470 KZKL - KS 1500 KZKL - KS
1540 KZKL - KS

Welcome to Formats...we open up with a goof. I noted last time that local WOJO-1530 in Bridgeport was simulcasting with a station in West Springfield...not true! It simulcasts with WPLS-1380 in Naugatuck, CT. Both stations air on the hour...this goes to show how often I listen to Portuguese radio. And Jeff Multer of Charlotte, NC wrote to note that BRN is but not WPBA on Saturday and Monday mornings on the air in that country. I wonder how many carry business news, motivational talk, and satellite fed music - programming which makes our stations great, huh? And a recent New York Times article on the expansion of the AM dial to 1700 kHz notes that the FCC reports about 200 AM stations silent, and half of those stations, the median loss is $11,000.00. No one in the pacing industry is used, and for any who seek verifications, who is at any stations to answer our reports. No wonder we have problems getting our catches confirmed!

Our column comes from Marc Delorenzo, Mike Riodan, M Street Journal, William C. Moser, Tim Hall, and John Tuddenham. Bill, Tim, and John are first time contributors. Welcome aboard, gentlemen! Here we go....

560 KWTQ MO Springfield - News/Talk (JTT)
590 WEAL MA Boston - All sports, like WPAN, but with regular news on the hour (MD)
630 WOUB TN St Paul - News WPBA, CWM moved here from 1130 (MM)
740 WLYG MA Cambridge - Not silent per call (MM). I was at PTA meeting and caller's name was lost so I could not return call, and to drop its Black gospel for rock (TP). So this column is read!!
820 WPTL IL Chicago - Sports talk starts soon (M)
820 WQEP NY Horseheads Classic CWM (M)
850 WKMY CA Thousand Oaks - AC/FFM 92.7 (M)
880 KNIP OR Dallas - AC (M)
900 WQOO TN Columbia - DC (M)
940 WCPN VA Roanoke - Contemporary Christian (M)
940 KSBN MO Aurora - CNN Headline News (JTT)
The RTL-1 Remotely-Tuned Loop... by Mark Connelly
(Continued from last issue)

The BBA-C provides 20 dB of gain between the output of the BFE-A Balanced Front-End card and the transmission line back to the receiving position. This gain is necessary with the rather anemic output of Falcom loop heads. Conceivably this amplifier could be eliminated if air-core loops of 1-foot square or larger are used. Power consumption would thereby be reduced and dynamic range enhanced. Converting the front-end from BFE-A to BFE-B, as noted before, could also help dynamic range if a big loop is used.

**Figure 8**

**BBA-C Broadband Amplifier Card Schematic**

For connections, see Figure 1.

```
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Another good column...thank you for your contributions. Keep them coming...and if you can do a dial scan of your area, do send it along. It would be of interest to all. I would especially appreciate a Dial Scan of the San Francisco-Oakland-San Jose area. Good DX to all!!!
APPLIED

A Sample Loop Head Board

Figures 10 and 11 illustrate the construction of a sample Loop Head board assembly that can be mounted to the rear of the RTU-1 box. The assembly shown, which uses a 15" (0.38m) long / approx. 0.7" (0.18m) diameter cluster of ferrite rods, provides about 10 to 15 dB more gain than the comparable Palomar medium-wave head. Despite the increased gain, the fairly high 0 of the loop tends to prevent spurious responses if the loop is tuned properly. Varactor diodes used to tune the head actually seem to be less of a factor in the total DM picture than the Balanced Front-End (BFE-A) card. This sample Loop Head board is presented as a starting point for the experimenter. As noted earlier, a larger such board could accommodate an air-core loop of 1-ft. square or greater size. For a treatment of an air-core remotely-tuned loop (for shortwave use), see Joe Farley's excellent article "A Remotely Tuned Loop Antenna" in Fine Tuning's Proceedings 1989. NRC Reprint A30, "A Remotely Tuned Directional Loop Antenna" by E. L. Cummins, is also a worthwhile article.

---

**Table 8:** (A1) BBA-C broadband amplifier card parts list

<table>
<thead>
<tr>
<th>Item Designator</th>
<th>Description/Value</th>
<th>Vendor Stock #</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDA</td>
<td>perfboard (1.4&quot;x1.4&quot;)</td>
<td>RS 276-1366</td>
<td>1</td>
</tr>
<tr>
<td>C1, C2, C6</td>
<td>capacitor, 0.1 uf</td>
<td>RS 272-109</td>
<td>4</td>
</tr>
<tr>
<td>C3</td>
<td>capacitor, 10 uf</td>
<td>RS 272-109</td>
<td>4</td>
</tr>
<tr>
<td>C4</td>
<td>capacitor, 0.001 uf</td>
<td>MOU 581-10M35</td>
<td>1</td>
</tr>
<tr>
<td>H1, H2, H3, H4</td>
<td>screw, 4-40 x .25&quot;</td>
<td>MOU 572-01880</td>
<td>4</td>
</tr>
<tr>
<td>H1, H2, H3, H4</td>
<td>spacer, 4-40 x .5&quot;</td>
<td>MOU 534-1450C</td>
<td>4</td>
</tr>
<tr>
<td>R1</td>
<td>split lockwasher, #4</td>
<td>MOU 572-00649</td>
<td>3</td>
</tr>
<tr>
<td>R4</td>
<td>solder lug, #4</td>
<td>MOU 534-1341</td>
<td>1</td>
</tr>
<tr>
<td>R5</td>
<td>flea-clip for .042 hole</td>
<td>MOU 574-742-1/100</td>
<td>7</td>
</tr>
<tr>
<td>Q1</td>
<td>transistor, 2N3866</td>
<td>MOU 29673666</td>
<td>1</td>
</tr>
<tr>
<td>R2, R3</td>
<td>resistor, 5.1 ohm</td>
<td>MOU 2967300-5.1</td>
<td>2</td>
</tr>
<tr>
<td>R4</td>
<td>resistor, 100 ohm</td>
<td>MOU 2967250-2.7K</td>
<td>1</td>
</tr>
<tr>
<td>RFC1</td>
<td>inductor, 3300 uh</td>
<td>MOU 431233</td>
<td>1</td>
</tr>
<tr>
<td>U1</td>
<td>voltage regulator, 7812</td>
<td>RS 276-1771</td>
<td>1</td>
</tr>
<tr>
<td>W</td>
<td>buss wire</td>
<td>RS 276-1341</td>
<td>approx. 1'</td>
</tr>
</tbody>
</table>

---

**Figure 10:** LOOP HEAD MOUNTING BOARD

**Table 9:** (A2) BBA-C broadband amplifier card parts list

See Table 2 for vendor codes.

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**Conclusion**

The RTL-1 remote loop may perform well in situations where a loop situated at the normal operating position fails due to excessive electrical noise, blockage by walls or higher buildings, etc. RTL-1 can be phased against a remotely-tunable whip (e.g., MFJ 1024 / RTU-1) or against another RTL-1 loop to achieve good quality nulls in a restricted space such as on the top of a vehicle or in a room not having noise and/or shielding problems. Previous null-creating methods either required rotating / tilting a loop or phasing two wires of considerable length. These previous methods are not always implementable because of space constraints or poor reception quality in the vicinity of a movable-by-hand loop.

The RTL-1, by virtue of its modularity, can serve as a platform for improvements. It is the author's intention that others will freely "tweak" the design and present their findings in the pages of the major DX journals.

---

**The Broadcasters’s Guide to DX**

A tri-fold guide for use with reception reports explaining DX’ing, how the NRC was formed, and the importance of QSL’s to DX’ers. Versions also available in Spanish and French. US$1.50 for 20. Available from NRC Publications.

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Blue Bell, PA 19422-2052. No question is a dumb question, and Russ will answer all, from basic to highly technical. Watch for the answer in DX News!
Greetings once again in this new DX season! One non-related DX comment before anything else - HOW'bout THEM BRAVES!!! OK, now that I've got that off my chest, I hope my arm holds up after all those 'tomahawk chops' from this past summer-b! A few veries have filtered in lately, totaling the 1469. Finally, a nice V/1 from KGHT-880 for a 11/10/90 report, thanks to several DXers who supplied address/signer info on this one. It should be noted that KGHT's address has changed again: PO BOX 580, N. LITTLE ROCK, AR 72114. Another V/1 in from KJLH-1540 for a 2/9/91 report and a V/PPC back from MGN-1180. All of these as a result of several follow up reports. Unfortunately, 'verie' little DX to report (nice segue... despite some time spent at the blais). But once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w./HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies. Finally, once again, quality makes up for quantity: 10/8 heard a weak signal on 840 w/HNAS and stayed with it. At 7 AM, the signal got louder and heard a nice WPM AM (FM ID into AM network news). After news at 7:05 am, a local news cast w/ several West Point mentions, some farm related ads and oldies.