



# DX NEWS

*the magazine of the  
National Radio Club*

SINCE 1933

VOLUME 50 ISSUE 28

JULY 18, 1983

## DUES INCREASE !!!

EFFECTIVE AUGUST 1, 1983 US MEMBERS ONLY WILL HAVE THEIR DUES INCREASED FROM \$17 TO \$19. FOR THOSE OF YOU WISHING TO GET IN UNDER THE WIRE, WE WILL ACCEPT UP TO 3 YEARS IN ADVANCE BUT THAT WILL BE THE MAXIMUM. DEADLINE FOR ADVANCED PAYMENTS IS ALSO AUGUST 1, 1983. AND REMEMBER SEND YOUR CHECKS OR MONEY ORDERS TO THE MEMBERSHIP CENTER, NOT HQ AND NOT TO THE TREASURER.

NRC RUBBER STAMP - \$4.50 INCLUDES POSTAGE TO GET IT TO YOU, MEASURES 1 3/4" X 2 1/4". ORDER YOUR STAMP FROM THE PUBLICATION CENTER, ADDRESS ON THE BACK COVER.

NRC CONVENTION HOTEL RESERVATIONS MUST BE IN BY AUGUST 12TH TO RON MUSCO AT THE MEMBERSHIP ADDRESS. CHECK OUT PAGE 43 FOR THE FINE DETAILS.

NRC COFFEE MUG - ANOTHER GREAT PRODUCT HITS THE PUBLIC (ERR MEMBERSHIP). 9 OUNCE COFFEE MUG MADE OF GLASS, NOT PLASTIC, GOOD FOR ANY HOT BEVERAGE OR COLD!!! MAKES A GREAT GIFT TO AN NRCA MEMBER, HI!!!! (ENTIRE STAFF IS ROLLING ON THE GROUND HERE AT HQ) CHECK OUT PAGE 46 FOR THE FINE DETAILS.

NRC 50TH ANNIVERSARY SHIRT - ANOTHER FINE PRODUCT FROM THE WORLD OF NRC!! IF YOU ENJOYED LAST YEARS, WAIT TILL YOU SEE THIS YEARS!! SEE JERRY'S COMMENTS IN HIS AMS COLUMN AND CHECK OUT PAGE 46 FOR THE ORDERING DETAILS. REMEMBER ORDERS GO TO HIS ADDRESS NOT TO THE PUBLICATION CENTER.

NRC 50TH ANNIVERSARY COMMEMORATIVE BOOK - THE ONE EVERYONE HAS BEEN TALKING ABOUT! IS FINALLY READY TO BE GRABBED AND PAWED BY YOU! RACE TO PAGE 47 TO READ THE FINE PRINT AND DETAILS ON HOW ONE OF THESE FINE BOOKS CAN BECOME YOURS FOREVER!!!!

WILL THESE PRODUCTS EVER END? WHAT TYPE OF PRODUCTION STAFF IS ON HAND AT HQ? MAYBE THEY DO HAVE A LARGE BUILDING AND WAREHOUSE? WHO KNOWS? ONLY THOSE THAT HAVE HAD THE TOUR OF THE HQ COMPLEX. IS THAT OUR NRC THAT IS LISTED IN THE FORTUNE 500 ??

A SPECIAL THANKS FOR THE 4 PAGE SPREAD THAT DX CHICAGO DID ON THE NRC IN THEIR MAGAZINE. WHAT IS DX CHICAGO? IF YOUR WITHIN 150 MILES OF THE WINDY CITY WHY NOT DROP PAUL KOWALSKI A LINE AND ASK HIM TO SEND YOU A FREE COPY OF THEIR MAGAZINE, IT'S FULL OF INTERESTING INFO ON A REGIONAL LEVEL. WRITE PAUL KOWALSKI, 7811 WEST OKLAHOMA AVENUE, APT.#5, MILWAUKEE, WI 53219 (HOPE OF THE KOWALSKI LOOP) PLEASE ENCLOSE AN SASE OR AT LEAST A STAMP! AND TELL HIM NRC SENT YA. REMEMBER WHEN YOU WRITE TO ANY CLUB OR RADIO STATION, AT LEAST ENCLOSE A STAMP- ITS GOOD COURTESY.

Page B.....

## CPC TEST

JULY 25 KCMN-1360 SAN DIEGO, CA 0300-0600 EDT FORMER KGB, 5 KW, SPECIAL DX 10 HHz.  
8 QSL INFO, EVERY 15 MIN. TT AND UNMOD CARRIER AT OTHER TIMES. REPORTS TO: JOHN BARCKROFT, CE KCMN, 7150 ENGINEER RD., SAN DIEGO, CA 92111  
ARRANGED BY KCMN ITSELF.

## LOOK INSIDE

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*Mike Sue*

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

GOING TO THE NRC BANQUET??? THEN LET RON KNOW ASAP!!! TIME IS RUNNING OUT !!!!!!!



# ② AM SWITCH

JERRY STARR  
C/O WSRD RADIO  
401 N. BLAINE AVENUE  
YOUNGSTOWN, OHIO 44505

## CALL LETTER APPLICATIONS:

Present call  
600 KYNO Independence, CA  
670 \*New Simi Valley, CA  
760 \*New Sherwood, AR  
770 \*New North Fort Myers, FL  
800 WHTN Huntington, WV  
840 WIXO Mobile, AL  
880 \*New Nashville, TN  
920 KKOL El Paso, TX  
970 KCHV Coachella, CA  
1150 \*KXLR North Little Rock, AR  
1180 \*New Newburgh, IN  
1220 WBUL Birmingham, AL  
1240 WEDG Soddy-Daisy, TN  
1270 WLLF Prichard, AL  
KFBP Waynesville, MO  
1280 WPXN Rochester, NY  
1310 WHVN Charlotte, NC  
1320 WVOJ Jacksonville, FL  
KCPX Salt Lake City, UT  
1340 KCAP Helena, MT  
1370 WFDR Manchester, GA  
1380 WTNN Millington, TN  
1420 WTCR Kenova, WV  
1430 WQPD Lakeland, FL  
1460 WOCH North Vernon, IN  
1490 WQXQ West Springfield, MA  
1500 WKZN Zion, IL  
1510 WVAP Burnettsville, SC  
1540 WIFM Eikin, NC  
1570 \*New St. Marys, WV  
1600 WHBT Harriman, TN

## Seeks:

KESR  
KWNK  
KMTL  
WKZY  
WKEE  
WMOB  
WMOB  
KELP  
KVIM  
KBOX  
WJUN  
WTWG  
WSTD  
WKSJ  
KOZQ  
WPXY  
WGSP  
WQIK  
KBUG  
KZBR  
WVFJ  
WMPJ  
WHEZ  
WLKF  
WVVI  
WACM  
WNIZ  
WVWA  
WJDS  
WRRR  
WKJS

## CALL LETTER GRANTS:

### Old call

730 WRMR Alexandria, VA  
KTRQ Ephrata, WA  
\*New Ephrata, WA  
930 KCCW Terrill Hills, TX  
1060 WXOQ Tupelo, MS  
1080 WDRD Murfreesboro, NC  
1110 KLEL Marana, AZ  
1120 WJOL Buffalo, NY  
1170 \*New Junction City, KY  
1240 KBWA Williams, AZ  
1260 WCDJ Edenton, NC  
1270 WMRL Portland, TN  
1290 WICE Providence, RI  
1300 \*New Fairbanks, AK  
1310 WIFE Indianapolis, IN  
WJAM Marion, AL  
\*New Andalusia, AL  
WBMA Beaufort, NC  
WSHB Raeford, NC  
1430 WNKZ Madison, TN  
1450 KYOR Blythe, CA  
1480 KGMQ Pueblo, CO  
1510 \*New Lajas, PR  
1520 WBNO Bryan, OH  
WTGR Myrtle Beach, SC  
1540 WANL Lineville, AL  
1570 WRCN Riverhead, NY  
1590 WRZK Algood, TN

### New call

WPKX  
KULE  
KTBI  
KLLS  
WCFB  
WYCH  
KCOI  
WNYS  
WDFB  
KDBN  
WZBO  
WQSI  
WRCP  
KGXK  
WMLF  
WAJO  
WTCG  
WBFB  
WSMR  
WJRB  
KJMS  
KAYK  
WIVD  
WQCT  
WKZQ  
WZZX  
WRHD  
WVRT

## APPLICATIONS FOR NEW STATIONS:

650 Tice, FL 5000 D1  
830 Enka-Candler, NC 1000 D1  
840 Jacksonville, TX 1000 D1  
1010 Rancho Mirage, CA 5000 D1  
1040 Monument, CO 5000 D1  
Beaverton, OR 250/250 U1  
1100 Harrisburg, IL 2500 D3  
1120 Duffield, VA 1000 D1  
1140 Brandenburg, KY 250 D1  
1160 Leesville, VA 1000 D1  
1200 Pismo Beach, CA 5000/1000 U1  
Virginia City, NV 10000/1000 U3  
1210 Orland, CA 25000/500 U5  
1260 Dutch Harbor, AK 500/500 U1  
1310 Priceville, AL 1000 D1  
1550 St. Stevens, WY 2500/250 U3  
1590 North Huntington, PA 500 D1

## GRANTS FOR NEW STATIONS:

840 Pharr, TX 50000/1000 U3  
890 College Park, GA 2500 D1  
1010 Milwaukee, OR 250/250 U1  
1030 Memphis, TN 50000/1000 (10000 CH) U3  
1200 Lares, PR 250 D1  
1230 Bethel, AK 250/250 U1  
1300 Fairbanks, AK 1000/1000 U1

## APPLICATIONS FROM EXISTING FACILITIES:

620 WMT Louisville, KY add 500 night  
660 WESC Greenville, SC power to 50000  
760 KFMB San Diego, CA day & night power to 50000

## Radio Marti measures clear two committees

WASHINGTON—Following Senate Foreign Relations and House Foreign Affairs committee clearance of "Radio Marti Bills," it appears likely that the \$5 million set aside for broadcasters likely to be affected by Cuban retaliatory efforts is secure.

The Senate bill, S. 602, calls for the establishment of a station in Marathon, Fla., broadcasting on the 1180 kHz AM band. Government use of other frequencies would be restricted except where lease arrangements had been arranged. Voice of America already uses the 1180 kHz frequency.

The House Foreign Affairs Committee, in approving H.R.

2453, essentially provided the same protections and guidelines for Radio Marti in refusing to authorize the simple expansion of VOA and allowing a \$5 million compensatory fund for AM broadcasters. Further House action, this time by the telecommunications subcommittee, is expected within the next month.

The National Association of Broadcasters, which had strongly advocated for the compensatory fund to allow affected broadcasters to upgrade their facilities to prevent Cuban interference, reiterated its estimates that the \$5 million approved was insufficient (1/18/83, 3/2/83).

from "Broadcast Week"

## KWBE AM & FM

P. O. Box 1450  
HEATRICE, NEBRASKA  
68310

"The KWBEEBE Twins"



800 KLTT Brighton, CO to 1000 D3  
1000 KR0Z Hayden, CO CH power to 10000  
1030 WBDX White Bluff, TN 10000/250 U3  
1060 WALD Walcerboro, SC to 1080 kHz 2500 D1  
1130 KY00 Bolivar, MO to 1200 kHz 50000 D  
WHHO Hilton Head Island, SC add 500 watts night DA  
1140 WRNA China Grove, NC to 770 kHz 2500 D1  
1170 KJNP North Pole, AK change to U1  
WDTB Diamondale, HI to 1180 kHz  
1190 WREM Pine Castle-Sky Lake, FL power to 25000  
1220 WGSF Arlington, TX to 1210 kHz 10000/250 (5000 CH)  
1310 KBHV Birch Tree, MO to 1000 watts  
1340 KFBR Nogales, AZ day power to 500  
1370 WCQL Pewaukee, WI to Sussex, WI, add 500 watts night, U4  
1400 KTRT Truckee, CA to 1180 kHz 10000/1000 U4  
1440 WEZJ Williamsburg, KY power to 2500  
1460 KWAZ Lubbock, TX to Carlisle, TX, add 500 nights U2  
1480 WMAX Grand Rapids, MI to Kentwood, MI, add 5000 nights U2  
1490 WRDJ Samson, AL to 1350 1000 day only, move to Daleville, AL  
1540 WCLB Comilla, GA to 1400 kHz 1000/250 U1  
WBJA Guayama, PR add 250 nights  
1550 WLUX Baton Rouge, LA to Port Allen, LA, add 500 nights U3  
1580 WCCR Urbana, IL to 870 kHz D1  
1590 KQXK Springdale, AR 2500 D3

## GRANTS TO EXISTING FACILITIES:

580 WTCM Traverse City, MI day power to 5000  
610 WRUS Russellville, KY power to 5000  
640 WMSO Collierville, TN day power to 10000, move XR  
740 WSVQ Harrogate, TN power to 1000  
760 KFMB San Diego, CA power to 50000/50000 U3  
780 KNOM Nome, AK to 1200 kHz 10000/10000 U1  
810 WJXL Jacksonville, AL changes in antenna system  
860 WAEC Atlanta, GA power to 5000  
970 KUXL Austin, TX to Del-Valle, TX, add 1000 nights U4  
980 WBSS Pompano Beach, FL day power to 5000  
1010 WVCN Crestview, FL power to 10000  
WBCE Wockliffe, KY to 1100 kHz, 1000 D1  
1070 WGO5 High Point, NC changes in antenna system  
1110 KCOT Marana, AZ changes in antenna system  
1120 WJST Washington, DC power to 5000 (2500 CH)  
1130 WYNO Nelsonville, OH to 1120 kHz power to 2500 D1  
1200 WQAI San Antonio, TX move XR  
1240 WQMT Manitowoc, WI changes in antenna system  
1270 WORL Orlando, FL to Eatonton, FL 5000/5000 U3  
WYXC Cartersville, GA changes in antenna system  
1330 WPCQ Havelock, NC increase antenna height  
WENA Penurias, PR add 500 watts night  
1370 WLTH Gary, IN move night site  
1380 KLNI Peori City, IA change XR location  
1410 KRHL Carmel, CA 5000/5000, move XR  
1480 WCNS Latrobe, PA ann 1000 directional nights from separate site  
1490 WQFB Quitman, GA day power to 1000  
KBAS Bullhead City, AZ increase tower to 165 feet  
KJIN Houma, LA decrease tower height, raise XR power output  
1500 WIXR Mount Pleasant, SC increase tower height  
1510 KOKO Littleton, CO move XR  
WABC Cocoa, FL to Rockledge, FL 5000/500 U4  
1520 WQGR Dahlonega, GA to 1210 kHz, power to 10000 (2500 CH) D1  
WRID Homer City, PA move XR, increase tower height. Note: Per conversation with WRID's owner, 1520 is the correct frequency, 1160 was only an application. Ground was broken at the XR site in June.  
1550 WPTN Cookeville, TN to 780 kHz 1000 D1  
1560 WIZY Gordon, GA to 1120 kHz, change to non-DA  
1570 WPGM Danville, PA power to 2500  
WQTW Latrobe, PA to 890 kHz 1000 D1  
WLSC Loris, SC power to 5000  
1590 KYDE Pine Bluff, AR 5000/5000 U4  
KQXK Springdale, AR power to 2500 D3

## OTHERNESS:

670 KCIN Victorville, CA application to move here from 1590 dismissed  
840 Brownsville, TX application for new station dismissed  
850 KEYH Houston, TX application for fulltime on 830 kHz dismissed, station has petitioned for reconsideration  
880 Madisonville, TX application for new station denied



930 Sandwich, IL application for new station denied, petition filed for reconsideration  
 1130 WHHQ Hilton Head Island application for 1040 kHz returned  
 1230 WJHO West Palm Beach, FL change to 1040 kHz, etc all denied  
 1330 WPPI Carrollton, GA application to take over WLBB 1100 kHz facilities denied  
 1390 KQDS Duluth, MN is currently off the air and for sale  
 1430 KCOH Houston, TX move to 1180 & power increase denied  
 1530 Many, LA application for new station returned  
 WCEG Middleborough, MA move XR and other changes dismissed  
 1560 Imperial, NE application for new station returned

**AND FINALLY, A FEW ADDRESSES FOR NEW STATIONS:**

1000 KR0Z Hayden, CO Box 206, Hayden 81639  
 1360 WABT Madison, AL Box 36, Madison 35758  
 KRVV Vaill, CO PO Drawer "W", Vaill 81658  
 1500 KABR Alamo Community, NM PO Box 907, Magdalena, NM 87825  
 1560 In the continuing saga of Breen, CO: You may have noticed that Mike Knitter located Breen and included a map in the past issue of AMS. However, Mike, I don't know where you got your population figures. Several members with direct access to the numbers have written and it seems that Breen, CO's population is listed as "rural" in the Rand McNally Commercial Atlas (the 'bible' of atlases) which is the smallest population category that can still appear as a specific location on a map. We also find that Breen, in fact, does NOT have a post office or zip code. Breen mail goes through Hesperus, CO 81326. Hesperus is the closest town to Breen big enough to have a post office. Hesperus population is listed as 50! That should give some idea of the size of Breen.

All for now. Be sure to see the ad elsewhere in this DX News for the 1983 NRC Shirts with the beautiful 50th Anniversary design by NRC'er Harry Hayes.

73 and Good DX,

(MY SOURCE: 1983 COLORADO STATE MAP) HQ

*Jerry Starr & Buffalo K. Foorman*

Jerry Starr & Buffalo K. Foorman

**Silent KOBY/Reno Set For Renewal Hearing**

The FCC has ordered a full comparative renewal hearing for KOBY/Reno, a 10kW daytime which has been off the air since 1974. Owners Thompson Magraw and James Cunningham have applied for renewal, but face a challenge from First Broadcasting of Nevada.  
 In late 1974 KOBY was given authority to remain silent while negotiations for sale of the station were underway. But the proposed buyer backed out in 1982 - three years after KOBY's authority to remain silent had expired.  
 One of the issues the FCC wants explored by the law judge assigned to the case is whether Magraw and Cunningham have the financial resources to resume and maintain operation of KOBY.

**General Motors On AM Stereo Fence**

None of the General Motors divisions has made any commitment to supply its cars and trucks with AM stereo radios, according to the Chairman of GM's Radio Coordinating Committee. "It's pretty much dead in the water at this stage in the game," says Mark Eckstein, Senior Project Engineer for Buick. "Personally, I can't see a big market for it right now because there are so few stations."  
 Eckstein says GM would prefer to see a distinct trend develop within the radio industry, and would only take the lead if absolutely forced to do so. And although its radio supplier, Delco, has endorsed the Motorola system, Eckstein says GM is not bound by that choice. It could choose another course, such as multi-system receivers. But Eckstein says the multi-system sets may involve too many "tradeoffs and compromises" to make them practical.  
 Meanwhile, the inventor of the Harris AM stereo system, Dave Hershberger, is leaving the company in July but will continue to consult Harris on AM stereo matters.

**Packwood Panel Clears Daytimer Relief Bill**

Daytime-only broadcasters won a major victory last week when the Senate Commerce Committee voted out legislation (S. 880) to let daytimers sign on two hours before sunrise and sign off two hours past sunset.  
 The extended hours would only be permitted if no "objectionable" interference would result, and the FCC would have the authority to set each station's power level. To make it faster and easier for daytimers to apply for a longer broadcast day, the bill orders the FCC to consider such applications as minor changes. And stations applying to go fulltime will no longer have to prove there's no FM channel available or show that the area is underserved.  
 The bill also contains aid for daytimers applying for new fulltime channels. Currently, their ownership of the daytime-only outlet counts against them in comparative hearings. But S. 880 would wipe out that ownership diversity deterrent, as long as the daytimer agrees to give up his original station if he wins the new fulltime license.  
 Meanwhile, word at the FCC is that final action on its package of reforms to aid daytimers will be voted on before the Commission takes its traditional August break.

**RENEWALS:**

Waldon Childers, David Reitz, Adolph Rattay, Howard Kemp, Robert Snolarek, Thomas Arey, James Rollins, Bruce Conti, Joseph Kusel, Armin Littlek, Steve Johnson, Paul Houns, Chester Gohman, Omar Jonsson, Hilding Gustafson, Robert Cologrosso, George Hulfinger, Jr., Carroll Weyrich, Ray Barne, Jeff Kadet, Dennis Pinner, William Kiggo, John Boyle, Richard Wright, John Rieger, Joseph Janata, Ed Best, Ed Mitkus, Peter Skinner, Doug Beard, Peter Hunn, Joseph Jones, Frank Blystone, Robert Young, Gary Mitchell, Richard Evans, Jack Staff, Fred Langensackert, Alan Mayer, Steven Reinstejn, Ron Thompson, Robert Lamb, Robert Bowes, David Wurl, Roger Giannini.

THANKS & BUNCH....BUNCH !!!!!!!

**DOMESTIC DX DIGEST**

DAVE SCHAUDT  
 42 CHELWYNNE RD.  
 CASTLE HILLS  
 NEW CASTLE, DE 19720

Here is the column which is about equal in excitement as smoking cigarettes and watching Captain Kangaroo! (A quote from a famous country song!). When sending your items in please keep them on one side of the paper, type or neatly write, skip a line between items, EDT, et al. And away we go:

**DX TESTS:**

1370 WABD Not heard: JM-PA, DS-DE.



**EMERGENCY BROADCASTS:**

1550 WAAY AL HUNTSVILLE - 5/19 0200 on day power/pattern for flood warning, w/Larry King. (JM-PA)

**FREQUENCY CHECKS:**

3rd Fri - WHBG-1360 w/TT and ID. (JM-PA)  
 4th Mon - WCHE-1520 w/pulsating TT 0040. (JM-PA)  
 WPTH-1590 w/classical music 0050. (JM-PA)



**SPECIAL:**

- 620 WRJZ TN KNOXVILLE - Sked 0500-0100 daily, dropping NSP sked. (TC-TN)
- 680 WKDJ TN MEMPHIS - 6/6 0134 soul music, ID, TT, fair signal, ex-WMPS. (ES-MO)
- 710 WQBX VA CHRISTIANBURG - 6/25 1500 noted w/new religious/rock music format. Station joins the format of the week club, ex-Top 40, CW, Adult Contemporary, Album rock, et al. (DS-NC)
- 900 WEAS GA SAVANNAH - 5/17 per follow-up verie, station address is Box 3536, 31414. (JM-PA)
- 1230 WAMM VA WOODSTOCK - 5/30 0324 xlnt w/MoR/rock music, weather "WAMM Weather Line", news, PSA, ex-940. (JM-PA) 6/24 1400 noted w/ID, VA Net. news, gets out well along I-81, audio is a little rough. (DS-NC)
- 1260 WIBV IL BELLEVILLE - Per friendly v/l, sked is 24 hours, off MH 0100-0600. (TC-TN)
- 1300 WING NJ EWING - 6/23 1350 noted w/new Gospel format, weak w/WFBR null'd, local WJBR-1290 was off for some reason. (DS-DE)
- 1480 WRDW GA AUGUSTA - noted 5/9 and 5/16 0154 w/NBC news, very strong on the 16th, still has B/Sol format. (JM-PA)
- 1490 WDXB TN CHATTANOOGA - 5/17 0200 in like a local w/CW music, ads, Mutual news, promo w/new address, 1522 Dodds Ave., 37404. (JM)
- 1520 WKOE TN DAYTON - 5/12 1337-1340 fair w/Radio Bingo game, ads, 1st time here on new calls, ex-WREA. (TC-TN)
- 1560 WSHY IL SHELBYVILLE - 5/4 per v/l, address is Box 149, West South 5th Street, 62565. (JM-PA)

**WYCB RADIO**

(1340 on the AM Dial 24 Hours a Day)

**MIDDAY - MIDNITE:**

- 690 KR00 OR PRINEVILLE - 5/18 2326 fair in CBU null w/CW music into s/off at 2330. (EH-WA)
- 800 KREI MO FARMINGTON - 4/20 1943-1945 good w/MYL, long sob-story s/off because of antiquated laws, etc. w/plug for KTJJ-FM 98.5. (TC-TN) Well, then let them sell the AM...to me! (DS)
- 860 CBH NS HALIFAX - 6/5 2052-2106 fair o/CJBC w/piano concert, CBC Radio ID, CBC news, poet interview. (BH-NJ)
- 900 CKTS PQ SHELBROOKE - 6/8 2121-2138 fair in CHML null w/rock music, jingle/ID, weather, all in English. (BH-NJ)
- 940 WCPC MS HOUSTON - 6/3 2131 soul music, ID, o/u WMIX. (ES-MO)
- 1000 WTAK AL HUNTSVILLE - 5/31 2045 fair w/WNOX splash w/o/off complaining of antiquated laws forcing them off the air so the powerful Northern stations can provide nite time service. (TC-TN) I'll bet they can get on at nite w/14 towers-air! (ES)
- WIFX KY JENKINS - 4/25 2025 good at times in WCPL null w/ads for stores in Whiteburg and rock music, not heard since WREM. (JP)
- 1010 WFGW NC BLACK MOUNTAIN - 6/8, 6/12 2045 noted w/ID's during s/off w/female announcer. (NAP-AL)
- 1080 WEEP PA PITTSBURGH - 6/12 2044 "There's only one WEEP" ID noted in null of WKAC. Thanx Ski Loop! (NAP-AL) Gratz... (SKI-NJ)
- WECP MS CARTHAGE - 6/12 2100 call given several times in s/off, no confusion w/WEEP, both positive! (NAP-AL) WEEP should have s/off at 2045, I believe, Naal. (DS)
- 1230 WFOM GA MARIETTA - 5/16 2040 briefly atop freq. in sunset jumble w/ID. (NAP-AL)





## MIDDAY - MIDNITE (Cont.):

1260 WKLI LA BATON ROUGE - 5/24 2040-2045 several ID's, B/Sol music. (NAP)  
 1290 KRGV TX WESLACO - 6/13 2357 good w/soul music, no WIRL. (EB-MO)  
 1320 WAMR FL VENICE - 5/24 2050-2055 beautiful copy of local ads for Venice and Sarasota, several IDs, legal talk show, plug for "your 24 hours station". My log shows them as a D! (NAP-AL) Hmm...maybe an FM simulcaster? (DS)  
 1330 WAEN TN CROSSVILLE - 5/30 2030 noted in mess w/s/off w/WKEA/WFBC. (TC)  
 WK2A AL SCOTTSDORO - 5/23 1844 weak u/WFBC w/s/off, power given as 5000 watts, no mention of FM 98.3, first time on new calls, ex-WROS. (TC-TN) Wrong place? (DS)  
 WSWL FL MILTON - 5/2 2000-2015 fair w/WFBC w/CNN news, interrupted item for abrupt s/off. (TC-TN)  
 1350 WJBD IL SALEM - 4/26 2015 briefly atop w/ad for furniture store, ID, pop oldies, BCB station #2000 logged after 14 years - was lotsa fun-hill (JF-ON) I had fun w/Lotsa, too! (DS)  
 1380 WYSH TN CLINTON - 5/12 1348 weak w/GW music, promo for Bob Wallace at 1400, not often heard here, runs 461 watts into a 450 foot tower. (TC-TN) But 10000 watts into a 70 foot tower is fun, it glows at nite, don't need tower lites, etc. (DS)  
 1390 WHCT TN MOUNTAIN CITY - 6/26 1800 noted w/s/off then left OC on all night! (DS-NC)  
 1450 UNID 5/17 2359 s/off w/Canadian NA. (JM-PA) It was WOL playing an oldie for WPT-hill (DS)  
 1460 CKRB PQ ST. GEORGES DE BEAUGE - 6/2 2146-2201 fair w/rock music in French and English, ads, ID, news in French. (RH-NJ)  
 WROY IL CARM - 4/22 1923 weak w/WROY Jackpot contest. (JF-ON)  
 1480 WKOA KY HOPKINSVILLE - 4/22 1915 fair o/mess w/promo for canoe race, KOA-1480 ID's, CW music. (JF-ON)  
 1490 WCSS NY AMSTERDAM - 6/2 2109 briefly atop w/Top 40 type DJ w/ID. (EH)  
 WNRN OH MAKION - 5/17 2359 w/song, jingle/ID, NBC news. (JM-PA)  
 1500 WDEB TN JAMESTOWN - 5/12 1342 fair w/some WITA splash w/CW music, ads, another infrequent visitor. (TC-TN)  
 1510 WAUK WI WAUKESHA - 5/7, 5/9 2050-2115 good o/WLAC w/rock music, ID as serving SE WI and Metro Milwaukee, we're K-15, ads and s/off mentioning the Fun One! (JM-PA) Sounds like fun... (DS)  
 1540 WSN1 PA PHILADELPHIA - 4/23 1900 caught 2 ID's during s/off, 1st time ever heard despite many tries. (JF-ON)  
 WA8Q OH CLEVELAND - 5/5 2045 fair w/s/off. (JM-PA)  
 1550 WIRV KY IRVINE - 5/3 2032-2034 fair-good w/local ads then gone. (JM)  
 UNID 5/9 2115 someone u/CBE w/s/off, possible WNCM. (JM-PA)  
 1570 WPEP MA TAUNTON - 6/1 2006 briefly atop w/Classifieds of the Air program, local news promo. (RH-NJ)  
 WTOW MD TOWSON - 6/1 2027-2030 good w/religion til s/off. (RH-NJ)  
 WIDM MA WESTFIELD - 6/2 2009-2030 good w/CNN news, local news, "Newsradio 1570" ID's, s/off w/hope to provide nite time service in the future. (RH-NJ) Yeah, 1991! (DS)  
 WPLR NY DUNDEE - 6/2 2034-2050 fading badly w/MoR music, Finger Lakes recreational forecast, s/off either 5 minutes late or 10 minutes early. (RH-NJ) Spring ran down... (DS)  
 1580 WAJE PA EBENSBURG - 5/3 2031 noted w/s/off mentioning owners, ad. info, location, local WFLM-1590 off early. (JM-PA)  
 1600 WNST WV MILTON - 6/4 2109-2126 xlint but way past 2100 s/off time w/CW music, promo for 10 year sponsor w/gun salute, s/off w/mention to tuns stereo 106 FM. (JM-PA)  
 WIXY MA EAST LONGMEADOW - 6/2 2102 u/WWRL w/ID in Yankee baseball. (RH)

## MIDNITE - MIDDAY:

550 CKPG BC PRINCE GEORGE - 5/16 0407 xlint w/ID's, rock music o/KARI, great conditions this AM. (EH-WA) Maybe THERE... (DS)  
 \*KBOW MT BUTTE - 5/27 0418 TT noted then back to reg. sked, believe this was an f/c. (EH-WA)  
 570 KLAC CA LOS ANGELES - 6/19 0005 CW music, ad, ID, good signal. (EB-CA)  
 610 UNID 5/20 0100-0130 someone here w/Night Time America w/pretty good signal, no ID's noted and my NTA list doesn't show anyone here, any ideas? (TC-TN) Nuthin' here... (DS)  
 620 WWRN WV BECKLEY - 5/23 0046 weak w/WRJE w/promo for Top 500 of all Time, pop music. (JF-ON)  
 WTMJ WI MILWAUKEE - 5/13 0104-0107 this guy showed up after WRJZ's s/off w/NBC news, local weather than Talknet. (TC-TN)  
 690 WAPE FL JACKSONVILLE - 6/8 0106 pop music, ID, good signal, s/off noted 0107. (EB-MO) Was this an ET? (DS)  
 730 \*WEKX VA ALEXANDRIA - 6/2 0132-0250 xlint w/CW music, repeating songs, ID, 1st time noted here. (JM-PA) My closest unheard. (WPT)  
 860 WSBS MA GREAT BARRINGTON - 6/11 0619-0630 very weak w/prayer, female w/ID, record "Morning Has Broken". (RH-NJ)

KSD/KSD-FM

## MIDNITE-MIDDAY (Cont):

930 KHJ CA LOS ANGELES - 6/18 0112 good w/pop oldies, jingle/ID. (EB-CA)  
 980 KPWB CA LOS ANGELES - 6/18 0044 sports, weather, local news and ads, good signal. (EB-CA)  
 990 WNTY CT SOUTHWINGTON - 6/11 0656-0724 tentative & very weak w/WZZD off, female DJ w/Top 40 music, news, ad, blown out by abrupt WZZD s/off at 0724, sounded like they were having problems. (RH-NJ) WZZD is their own problem-hi! (DS)  
 1000 KIRB SD SIOUX FALLS - 5/16 0700 fair at s/on u/KOMO OC, mentions of Sioux Falls and CW music. (EH-WA)  
 1050 WMSG MD OAKLAND - 5/7 0600 good after not hearing s/on w/6 o'clock news then faded. (JM-PA) That's easy John, the announcer ran the s/on before he put the xmtr on! (DS)  
 1070 CKSB ME WINNIPEG - 6/4 0048 French talk, B2L music o/YEG. (EB-MO)  
 CHOK ON SARNIA - 5/30 0018 good w/CW music, ID. (EB-MO)  
 WKOK PA SUNBURY - 6/11 0633-0654 good w/Top 40 music, ads, weather report for Jersey shore. (RH-NJ)  
 1160 \*WJJD IL CHICAGO - 5/19 0100-0130 fair/good w/MYL, female anc'r, signal popping up/down as if xmtr power was being raised/lowered, ID by male at 0122 mentioned ET then into mx and TT. (TC-TN)  
 1230 KCBN NV RENO - 5/18 0728 good w/contest, rock music, "Your Modern Music Station" slogan. (EH-WA)  
 1250 CKOM SK SASKATOON - 5/30 0425 fair o/KXPY w/ID, ads, rock music. (EH)  
 1300 WKCY VA HARRISONBURG - 5/7 0609-0611 faded in w/weather and CW music the roof! (JM-PA) You saw the Magic Dragon? (DS)  
 1340 WROD FL DAYTONA BEACH - 6/13 0200-0220, 0355-0400 very good w/MYL type music, ABC news, promos w/xint conditions south. (JM-PA)  
 WEVL NY LOCKPORT - 6/13 0244 faded up w/clear ID then gone. (JM-PA)  
 W122 OH SPRINGFIELD - 6/13 0259 surfacing w/ID, weather and ABC news. (JM-PA)  
 WOKE SC CHARLESTON - 6/13 0103-0126 xlint w/CBS news and sports, local news and weather, editorial then s/off to return 0455 w/SSB and Dixie, calls self "Wonderful Woke" (as in Yoke). (JM-PA)  
 WKGN TN KNOXVILLE - 6/13 0207 surfaced w/weather, time check and ID "WKGN Knoxville Radio News". (JM-PA)  
 \*WCOT TN WINCHESTER - 6/13 0301-0327 w/low buzzing tone w/fades, ID noted 0305, 1st time noted. (JM-PA) F/o w/Dial tone? (DS)  
 1350 WSMB LA NEW ORLEANS - 6/13 0059 very good w/weather, ending talk show w/female anc'r, into 60's song than another talk show w/male anc'r, signal atop then faded, no WSLR. (JM-PA)  
 \*WMBR PA WINDBER - 6/15 0031-0118 good-xint w/IDs, different TT thru WSLR, 1st time noted. (JM-PA) All tones sound the same to me, John...we're they a different color maybe? (DS)  
 1360 WKAT FL MIAMI BEACH - 6/13 0031-0123+ xlint w/Americas Greatest Music on the KAT, ID, w/weather, sports, etc. (JM-PA)  
 1380 WRBQ FL ST. PETERSBURG - 6/13 0234 surfacing w/taped promo and caller winning money and the "Tuki Tuki" bird, Q-105 ID's. (JM)  
 That's TO good to be made up-hi! (DS)  
 1400 \*WMAN OH MANSFIELD - 6/4 0153 very good w/TT, ID. (JM-PA)  
 1430 CJCL ON TORONTO - 5/9 0606 briefly noted w/quick ID. (EH-WA)  
 1450 WZEC OH SANDUSKY - 5/24 0053 fair in mess w/end of Indians baseball, ID and ad, faded then again w/post game show, then taken out by WOL. (JM-PA)  
 1470 WMBD OH PEORIA - 5/9 0610 fair w/news, weather into MoR music, best catch this year! (EH-WA) It'll be a past next year-hi! (DS)  
 WRGA GA ROME - 5/16 0201-0304 xlint w/fading, did hear ID in news, ABC news at :30, promo's, some CW music. (JM-PA)  
 1480 WABB AE MOBILE - 5/16 0250 faded up w/promo, ID then gone. (JM-PA)  
 WJSE VA RICHMOND - 4/25, 5/9 0130 fair-good w/WHBC off, w/MYL music, "W-LEE" ID's, weather, PSA. (JM-PA)  
 \*WSAY VA SALEM - 5/6 0136-0206 xlint w/fades on ET w/rock and CW music, spoke w/CE who mentioned testing new equipment. Caught at 0600 s/on w/ABC news, mention of "in the beautiful northern valley". (JM-PA)  
 WJIT NY NEW YORK - 5/17 0001 w/english mention of owners and studio address. (JM-PA)  
 1490 \*WNIL NC WILMINGTON - 6/20 0231 good on ET w/instr. rock music, ID then into OC. (DS-DE)  
 WESB PA BRADFORD - 5/17 0002-0004 good w/religious type program into s/off w/mention of 0555 return. (JM-PA)  
 UNID 5/17 0002 fair Canadian NA and s/off, no ID heard. (JM-PA)  
 1520 \*WKBW NY BUFFALO - 7/1 0100 noted on TT this Friday AM. (DS-DE)  
 1530 \*WKCY OH CINCINNATI - 6/13 0335 noted w/TT. (JM-PA) Ditto. (DS-DE)  
 1550 \*WCHU TN SODDY-DAISY - 5/14 0200+ xlint w/fades w/MYL type music, ID's as "Chu-Chu 102", promo's mentioning Chattanooga, PSA, anc'r w/titles, etc. (JM-PA)

WIXN



MIDNITE-MIDDAY (Cont):

- 1570 CKLM PQ MONTREAL - 6/9 0159 French talk, ID o/XERF. (EB-MO)
- CKLQ MB BRANDON - 6/9 0201 news and ID way u/CKLM. (EB-MO)
- 1580 WCIS GA COLUMBUS - 5/12 0133+ unusually good o/CBJ TT w/religious program, music, news, ID. (JK-PA)
- KIOU LA LAKE CHARLES - 5/12 0159-0209 fading o/WCIS w/HR music, ID, ad, promo, rarely heard. (JK-PA)
- \*WLIM NY PATCHOGUE - 6/12 0200+ very good w/fades w/MYL type music. (JM)
- \*WJIK NC CAMP LEJUNES - 7/2 0105 good on ST w/religious music, ID given 0116 w/very distorted audio on voice. (DS-DE)
- 1590 WQQW CT WATERBURY - 5/23 0002 fair u/WC3G TT/MAKR w/s/off, new time? (JP-DN) Believe always was on MM. (DS-DE)
- WPTH VA RICHMOND - 5/23 0105 very strong o/WAKR/WONY w/22/PC w/classical music and ID, not heard since WGOE days. (JF-ON)

OUR GANG:

- |        |   |                           |
|--------|---|---------------------------|
| JM-PA  | John Malicky, Pittsburgh, PA                          | Aiwa AR158                |
| BH-NJ  | Bob Harrison, Union, NJ (also listed as RH-NJ-sorry!) | Superadio                 |
| NAP-AL | Neal Fordue, Falkville, AL                            | R390A, Kolwalski Loop     |
| EH-WA  | Ed Hoffman, Burlington, WA                            | ICR-70, Sanserino Loop    |
| JF-ON  | Jeff Falconer, Clinton, ON                            | NeRD 515, Radio West Loop |
| TC-TN  | Tom Connatser, Sevierville, TN                        | Superadio                 |
| EB-MO  | Eric Bueneman, Hazelwood, MO                          | D-X200, LW                |
| EB-CA  | Eric Bueneman, San Diego, CA                          | CB60                      |
| DS-DE  | You expected Monty Python?                            | Superadio                 |

Thanks for the logos, David Nieman of Akron, NY.

To avoid any problems, our next deadline will be two weeks before the next issue of DX NEWS. This is everything rec'd for the column since the last issue, hope a few more show up for the next issue. But it is nice to have a small break-hill

Grease them dials down and get ready for the season, it'll be here before you know it!

730 WJIK

73's - Good DX!

WACE

CBS RADIO 730

Serving over three million in six states with 6000 watts



STATIC FROM HQ

TUNE IN THE WORLD - A NEW PUBLICATION OR SHALL I SAY PAPER-BACK VOLUME ON THE SUBJECT OF SW. THE AUTHOR IS KENNETH D. MACHARG. PRICE IS \$8.95. BUT IF YOU ORDER BEFORE SEPT. 30TH YOU CAN PICK IT UP FOR ONLY \$7.95 WHICH INCLUDES POSTAGE & HANDLING (INDIANA RESIDENCE MUST ADD 5% SALES TAX). WRITE TO: GLOBAL VILLAGE PRESS, P.O. BOX 1345, JEFFERSONVILLE, INDIANA 47131-1345. & TELL THEM NRC SENT YA.

SOLAR INDICES BULLETIN - A NEW INFORMATION PRODUCT FROM THE NATIONAL GEOPHYSICAL DATA CENTER. THIS BULLETIN CONTAINS INFO SUCH AS: TABULATES DAILY SUNSPOT NUMBERS FOR PREVIOUS MONTH, LISTS LATEST PREDICTIONS OF SMOOTHED SUNSPOT NUMBERS, TABULATES DAILY RADIO FLUX OF THE QUIET SUN AT 9 WAVELENGTHS, ETC. A 12 BULLETIN 1 YEAR SUBSCRIPTION COSTS \$20. WRITE TO: NATIONAL GEOPHYSICAL DATA CENTER, SOLAR-TERRRESTRIAL PHYSICS DIV. (E/GC-2), 325 BROADWAY, BOULDER, CO 80303. CHECKS SHOULD BE MADE OUT TO: DEPT. OF COMMERCE, NOAA/NGDC.

FROM AN NEW ZEALAND DX'ER: "WOULD LIKE TO EXCHANGE TAPES OF US/CAN/ALASKA STNS FOR A 1 FOR 1 TRADE, YOU'LL GET BACK NZ/AUST/PACIFIC IS STNS. ALL REPLYS SENT BY AIR MAIL." WRITE TO: GRAHAM J. BARCLAY, P.O. BOX 1437, HASTINGS, NZ

FROM THE NRC CONVENTION: RON SAYS TO LET HIM KNOW RIGHT NOW IF YOUR PLANNING ON GOING TO THE BANQUET AS WELL AS TO THE CONVENTION. THE COOKS WANT TO KNOW HOW MANY PLATES TO SET UP, SO LET RON KNOW REAL SOON, LIKE YESTERDAY, HI.

AM - - WAKO - - FM  
910 LAWRENCEVILLE BROADCASTING CO.  
P.O. BOX 210  
LAWRENCEVILLE, ILLINOIS  
62439

Mh  
Sue

INTERNATIONAL  
DX DIGEST

CHUCK HUTTON  
1035 LATHAM ROAD  
DECATUR, GA 30033  
(404) 633-1198  
BEFORE 2300 ELT

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

and now, can I finish this thing in half the time on the last possible night and get this thing to Mike and Sue on time?????

- 529 ALASKA Level Island SQM 5/17 702b beacon heard at 1110 but QRN from Washington TIS 530. (Moran)
- 550 VENEZUELA 044 5:22 Caracas YV4B reggae hit "The Harder They Come" then handclap ID, ads for Zulin and businesses in Caracas. (Connelly)
- 555 ST. KITTS 041 5/22 Basseterre ZIZ calypso mx to good peaks. (Con)
- 555 NICARAGUA YNS H. Lize y Rueva de Julio w/slow and rousing vocalism and woman w/revolution promo at 0443 5/2. (Frodge)
- 560 COLOMBIA RUPF 0250 5/15 Colombian accordion mx, H. Cinco Setenta ID, fair. (Hakiel)
- 570 CUBA 0356 6/12 R. Rebelde Cadena Nacional ID, bombing WJCA into oblivion. (Connelly) ID and baseball o/u WAKR 0240 5/1. (Frodge)
- 580 PUERTO RICO 0521 5/22 San Juan WEAQ with H-K-A-Q Radio Molo jingle, SS mx, good o/other IA's. (Connelly)
- 580 VENEZUELA La voz de la fe many references to Maracibo culminated in ID with bird whistle at 0500 6/16. Quite a surprise at this time of year, especially with lightning, crashes to contend with. (Moran)
- 590 CUBA 0350 5/22 Barranquilla JJHS with brassy mx, R. Libertad ID stop Cuban. (Connelly)
- 621 CANARY ISLANDS 0525 5/22 tentatively the source of a strong net; the ICM2001's selectivity was not good enough to permit audio extraction. (Connelly)
- 640 CUBA man and woman with Radio Progreso promo-EEL EE and SS vocals with SS QRN at 0253 5/3. (Frodge)
- 640 GUADALUPE 0206 5/22 Anouville w/disco and calypso mx, FF talk good o/plie of others. (Connelly)
- 648 AMERICAN SAMOA 4/23 1207 poor, just tones across WVVV ID then in local lang and music. Saw country. (Moran)
- 650 VENEZUELA 0201 5/22 Maracay YV1H w/sds for firma "en Maracay", fair through JIBC stop. (Connelly)
- 655 EL SALVADOR YSS San Salvador man and woman w/Caribbean and Central American news, ID as Radio y TV de Salvador, then more news 0403 5/4. (Frodge)
- 690 CUBA 0536 5/22 SS political mx by man and woman, xInt strength. (Con)
- 700 COLOMBIA R. Sutatenza with ID at 0230 4/11, parallel to 5095 SW. (Moran)
- 725 SURINAM 022b 5/22 Parameribo SRS with soul mx, loud. (Connelly)
- 730 MEXICO XEX Moh vocals, many singing ads between songs then XEX ID 0214 5/10. (Frodge)
- 735 ECUADOR Quito HCB81 0225 6/2 LA mx, vocals. (Hakiel)
- 750 COLOMBIA Medellin HJXK 0110 6/14 SS talk w/Caracas ID, two stns noted under. (Hakiel)
- 750 NICARAGUA R. Sandino, Managua 055b 5/16 good w/US singing, woman with loud R. Sandino ID. (Moran)
- 750 VENEZUELA 0529 5/22 YVKS Caracas w/Al Stewart mx, Caracas ID, good o/second LA and WBU. (Connelly)
- 760 COLOMBIA 5/16 0b30 LW de Barranquilla very poor, mixing with WJR and another unid SS, just msg and ID. (Moran)
- 760 CUBA 0432 6/12 R. Reloj with SS talk and time tones, covering HJR. (Connelly)
- 800 NETHERLANDS ANTILLES PJB Honaire man with SS religion and light mx past 0130, QRN de CKLW 5/4. (Frodge) SS religious pgm; signal below average although still dominant. (Connelly)
- 810 BAHAMAS ZNS3 P.ank brewer w/gospel mx pgs u/WUY 0405 5/4. (Frodge)
- 810 COLOMBIA Bogota HJCY 0240 6/15 long oration, R. Sutatenza ID, good. (Hakiel)
- 820 CUBA CMBU R. Ciudad de la Habana w/ID and LA vocals, short mx 0443-044b, QRN de WJIT 5/4. (Frodge)
- 825 ST. KITTS 0230 5/22 Basseterre A. Paradise good w/hymns and preaching. (Connelly)
- 828 UNID likely JDI Sales, Australia 1210 poor on 4/22 with news, did not last long and soon lost to KIKI 030. (Moran)
- 830 HAWAII KIKI 4/21 1136 good w/frequent ID's, rock music, easily a

RADIO KICY

Arctic Broadcasting Association  
P. O. Box 820  
Nome, Alaska 99762



- (830, continued) regular out here with a Beverage. (Woman) 5/10  
 US10 poor with rock music, ID's, WCCO QRM. (Woman)  
 034 MELIZE R. Belize 4/22 0436 fair w/HR man anchor, ID and music dedi-  
 cations //3205. (Woman)  
 030 DOMINICAN REPUBLIC HIBB Santo Domingo w/LA vocals and call letter  
 ID at 0200; o/a another SS with an WCCO 0140 5/L. (Prodge)  
 055 SPAIN Murcia 0425 6/12 vocal by woman, SS talk poor. (Hakiel)  
 060 NETHERLANDS ANTILLES H. Oenants Gais finally heard after months  
 of assuming this was Spanish. I was able to hear piano music with  
 a very strange language in between each selection. With little  
 advance warning there was a brief ID as H. O. and mention of  
 Netherlands Antilles and power out at 0700 L/10 with no SA. My  
 first experience with what must have been Papiamentu—a mixture of  
 Spanish and Dutch at least. (Renfrew)  
 070 ARGENTINA LRA1 0401 5/4 SS talk, mx, pipe heard at 0400—heard  
 every month since July 1982, fair signal. (Hakiel) 0632 6/9  
 love songs by woman. This stn is now being heard almost every  
 night in the null of WML, will be very strong during July. Six  
 pipes on the hour and three pipes on the half-hour is the sure ID.  
 (Hakiel)  
 070 CUBA Sencil Spiritus CMGB 0230 5/3 SS talk by man, R. Progreso  
 ID dominant o/WML. (Hakiel)  
 091 ALGERIA 9345 6/12 Algiers male AA vocal, clobbering WLS. (Con)  
 915 ECUADOR Macela 40805 0120 5/2 vocal in SS by Roberts Flack then  
 SS disco mx and pop songs, some fading periods but at times a huge  
 signal. (Hakiel) 0304 6/15 nice LA vocals by man, my favorite  
 Ecuador station. (Hakiel) what's your favorite Ecuador station,  
 Mister DXD reader????  
 940 CUBA Colon WMDI 0140 5/27 SS talk, typical R. Roloj format, only  
 250 watts but a good strong signal. I can just imagine the problem  
 these Cuban stations cause down south. (Hakiel) But imagining them  
 is never as bad as having them-----CH  
 940 CUBA 0233 5/22 H. Roloj mx and time show strong; well o/a southern  
 US religious stn; CHM not noted. (Connolly)  
 944 HONDURAS Tegucigalpa HRYW 0420 5/6 mix of old US pop tunes and  
 some SS pop mx. (Hakiel)  
 990 GRENADA 0220 5/22 reggae and calypso mx, locally-accented ER talk;  
 dominant. (Connolly)  
 992 UNID 0255 6/13 PP talk-NA (probably Haitian) w/off at 0255. (Hakiel)  
 997.1 UNID 0320 6/13 old US pop tunes, good signal then abrupt fadeout.  
 (Hakiel)  
 1000 VENEZUELA Koron YVNS 0113 6/16 SS talk and Mundial ID, good. (Hakiel)  
 1010 MEXICO XEHL Guadalajara 5/17 0936 fair w/full ID with call letters  
 as I tuned in. (Woman)  
 1017 TONGA 4/21 0939 fair, presumed the one as usual with island music  
 and singing. (Woman)  
 1020 CUBA R. Guama CRAP, Bahis Honda with ID at 0427, SS ballads 5/5.  
 (Prodge)  
 1020 VENEZUELA 0306 6/12 La Asuncion YVRS with SS party mx, Mundial  
 Margarita ID o/RDKA and the HJ. (Connolly)  
 1025 COSTA RICA R. monumental fair 0730 5/16 with SS frequencies (ID  
 too but not copyable) then full ID at 0741. (Woman)  
 1026 NEW ZEALAND 125 Whangarei 1050-1245 4/22 country music, TC, live  
 horse racing, "Tonight" show jingle, also noted on 1035 and 1044  
 with very good signals at sunrise peak! (Woman)  
 1035 NEW ZEALAND 228 Wellington 4/21 1019 poor w/old cowboy ballad on  
 golden oldies type pgm, TC ipr NZ. (Woman)  
 1035 PORTUGAL Porto Alto 0350 5/31 PP talk by man and woman, fair.  
 (Hakiel) 0420 5/8 disco mx, PP talk, fair. (Hakiel)  
 1052 PORTUGAL Norte-Azurara 0355 5/14 PP talk, disco mx. (Hakiel) 0405  
 5/31 PP talk, band mx. (Hakiel)  
 1070 VENEZUELA Maracaibo YVHA 0517 5/8 LA mx, male vocals, Radio Mundial  
 Zulia ID, good. (Hakiel)  
 1090 COLOMBIA Cucuta HJBC 0008 5/6 talk, Caracas mentioned through  
 WML. (Hakiel)  
 1090 VENEZUELA 0403 5/22 YVSE with medley of Top 40 disco and rock hits  
 then Exitos All Noventa ID good o/SS LA's and WML. (Connolly)  
 1093 UNID 0350 5/4 SS talk and LA mx, poor. (Hakiel)  
 1100 ANTIGUA 0318 6/12 St. John's ZMK calypso mx w/Caribbean ER vocal  
 stop rumbles. (Connolly)  
 1110 VENEZUELA 0355 5/22 Carupano YVQR w/humong doorbells, fast SS talk,  
 Carupano ID o/CHD; WBT not noted. (Connolly)  
 1150 VENEZUELA Punto Fijo YVWN 0510 5/8 heard ID thru a mess of other  
 stations. (Hakiel)

- 1165 ANTIGUA 0120 5/22 St. John's C.R.L. good w/presching. (Connolly)  
 Doxology at 0215, man with Antigua promo, religious message, prayer,  
 then station data and w/off 0219 5/25. (Prodge)  
 1200 CUBA R. Revolucion ID's, totally stop. Many routine Cubans loud  
 tonight; South America not as good. (Connolly)  
 1220 BRAZIL Rio de Janeiro 0052 6/16 PP talk by rapid-fire man, seemed  
 like a sports event. Many mentions of Brazil, good signal; 0226  
 6/17 Radio Globo ID. (Hakiel)  
 1220 COLOMBIA Barranquilla HJVF 0206 5/19 LA love songs, LV de Colombia  
 ID, good. (Hakiel) 1  
 1270 CUBA Radio Roloj with well known ticker and frequent ID's on the  
 minute. Local WPXN SF, a great rarity, made this reception possible  
 0515 6/13. Domestic hash in background. (Renfrew)  
 1360 COLOMBIA Cartagena HJTV 0502 5/9 many LA signals—a real jungle-  
 through it all came Radio Roloj ID's. (Hakiel)  
 1360 VENEZUELA 0118 5/22 R. Catatumbo ID o/WDRG and u/WLYN OG. (Connolly)  
 0131 5/19 heard thru the usual mess of stns w/Catatumbo Internat-  
 ionale ID. (Hakiel)  
 1475 UNID 0405 6/15 heavy drum beat and bassy mx non-stop with no snets.  
 African sounding; fair signal. (Hakiel)  
 1404 GUINEA Conakry 0032 5/10 PP talk in every night with a big carrier  
 but poor audio. (Hakiel)  
 1413 YUGOSLAVIA Proatina 0426 4/27 apparent Slavish talk by woman and  
 band mx, poor. (Hakiel)  
 1420 VENEZUELA Maracaibo YVZO 0105 5/6 LA mx, enthusiastic man w/Radio  
 Estion Marabina ID heard o/s mess of other stns. (Hakiel)  
 1460 TURKS AND CAICOS Governor's Beach 0029 5/24 weather forecast for  
 eastern Caribbean—stormy weather with seas of 5 feet. As usual this  
 station appears in sunset ex. (Hakiel)  
 1467 MONACO Monte Carlo 0406 4/27 hymns and GG talk, xint. (Hakiel)  
 1476 UNID 0425 5/31 SS talk, LA mx, poorly modulating—hitting on 1476.  
 (Hakiel)  
 1520 PUERTO RICO San Juan WRAI 0012 5/19 SS talk w/advertisement for  
 Budweiser beer, ID given, heard o/WML. (Hakiel)  
 1521 SAUDI ARABIA Daba 0125 6/13 AA chants, AA talk, poor in WKWV slop.  
 (Hakiel)  
 1540 BAHAMAS Nassau ZNS1 0036 5/28 call-in program "Action Line". (Hakiel)  
 1550 COLOMBIA R. Exitos with ID's and TC's between each musical sel-  
 ection. The Colombian net RCN was referred to but no mention of LV  
 Portena which I heard earlier this season. Definitely Barranquilla.  
 0715-0810 6/13 one promo described upcoming Yankees-Orioles social  
 broadcast. (Renfrew)  
 1550 UNID H. Veinte cuatro (24) noted w/one faint ID w/H. Exitos. No  
 listing in WPM—this may be a secondary slogan emphasizing a  
 round-the-clock schedule. Ideas? (Renfrew) I will root around and  
 try to find out something for you—CH  
 1575 PORTUGAL Porto Conidelo 0312 5/31 PP talk, disco mx, fair. (Hakiel)  
 1580 UNID SE religious broadcast gave temperature as "70 degrees in the  
 home islands" 0515 4/14. Might this be WSPF or possibly Turks and  
 Caicos beacon? (Renfrew) No reports on Turks and Caicos yet...CH  
 1584 SPAIN graveyards 0326 5/14 SS talk by man and woman. (Hakiel)  
 0300 5/31 SS talk, time pipes on the hour, tried to get an ID but  
 all I could get was "Radio Nacional de Espana". Good signal. (Hakiel)  
 1593 WEST GERMANY Langenberg 0153 6/15 tango type mx w/GG vocals, GG  
 talk, fair. (Hakiel)  
 1615 NEW ZEALAND OR beacon, D'Kura 5/16 1045 fair, almost a regular  
 now. (Woman)  
 1620 UNID 5/16 1140 fair w/EZL, lite cl mx. Often hrd but never any  
 announcements. (Woman)  
 1692 AUSTRALIA VL2UV University of New South Wales 5/16 0912 poor,  
 traces of audio getting better to 093, 0957 frequent mentions  
 of Univ. of NSW, gave telephone number, then ID with call letters.  
 After 1000 into a lecture type pgm, still OK at 1030, poor at 1100.  
 (Woman) interesting catch, guy...US

Mark Connolly—W. Yarmouth, Me.  
 Harold Prodge—Midland, MI.  
 George Hakiel—W. Islip, NY  
 Don Noman—300 km south of Edmonton  
 Jim Renfrew—Rochester, NY

ICF2001, phased SM2/30 m. LW  
 DX302, loop, 105' LW  
 garbage  
 trash, Beverages galore  
 HQ150, SM1, great reports



KTWR  
 Trans World Radio  
 P. O. Box CC  
 Agona, Guam 96210





# KANADIAN KORNER

JOHN OLDFIELD  
7135 129A STREET  
SURREY, BC V3W 6T4

- 540 BC C Vancouver 50/10kw U? wants a talk-back type format. No mention of KARI-550 who are Vancouver's REL station. REL stns are not allowed in Canada.
- 590 ON CKEY Tranna (big city) wants 50KW d. & xbr. site at Gribbay near Hamilton.
- 610 BC CJAT Trail got the ok to feed CKGF-1340 Grand Forks. See 1340.
- 650 BC C Vancouver wants 50/10kw. U? another talk-back type.
- 650 BC OISL Richmond wants 50/10kw. or 10/6.5kw ex 940. Note that CRTG said they could eventually serve nearby Surrey where about 200,000 now can't hear then.
- 660 AB GFFR Calgary 50kw. should be on by now. Owned by CJHD Regina. Another easy one for Sweden, hi. Thanks- Brian Vernon.
- 790 ON CKMW Brampton would become mostly Italian/Greek/Multilanguage under new owners, while CFNY-FM would be owned by Selkirk.
- 1090 ON CBOK 1 prt gone to FM.
- 1110 ON CBON-3 Hearst goes to FM.
- 1340 BC CKGF Grand Forks will twin CJAT-610 18-2400 M-Fri. 13-2400 Sat. 06-2400 Sun. Not owned by CJAT but may as well be. PLT
- 1350 PQ CHAL wants to be a 100% twin-relayer of either CHGB-1310 or CJFP-1450. Guess they'll drop the studio.
- \*1340 ON CBEQ 1 prt is gone. Area now covered by 100kw FMar.
- 1360 NB CKBC drops all CBC as part of their license requirement.
- 1390 BC CKKC Nelson wants to drop all CBC stuff.
- 1440 ON CBLJ 1 prt goes to 10kw FM.

Not much AM news up here. CRTG told the CBC 'NO' in a 22 page decision. Due to AM stereo coming and a wider AM band you can't move all your AM to FM, is about what the CRTG said. Other CRTG stuff...ownership of Canuck radio/TV/cable/etc. by newspapers is under fire. Southan (big newspaper) is selling much of its 33% interest in Selkirk who owns staff like: CHEK/CHAN/BCTV (about 40%), CKWX, CJAZ, CJVI, CJIB, CFCG, CJCA, CTRK, CFAC, CJOC, CJPR, CILA, CJEV, CHCH-TV.....

Maclean Hunter (Calgary, Edmonton, Toronto Sun) CFCN, CJAY, CJAX, CKEY, CFCO, CHYM, CHNS, CHFX, CKGL..... CRTG says there is too much apparent conflict of interest re: ownership of newspapers/AM/FM/TV in Canada.

CFL Football begins earlier up north....

Ottawa Roughriders: CFRA-580, CKOB-1400, CKLY-FM  
Edmonton Eskimos: CJCA-930, CKSQ-1400, CJXX-1430, GJYR-970, GJYR-1230, CKER-1450, CFYR-1400, CKYH-1 1230.  
Saskatchewan Roughriders: CKRN-980, CFQC-600, CJGX-940, CKSN-1400, GJSN-1490  
Calgary Stampeders: CFCN-1060, CKDQ-910, CIBQ-1340  
Winnipeg Blue Bombers: CFRW-1290, CKX-1150, CJRB-1220, CFAM-950, CHSM-1250, GJRL-1220  
CFOB-800, CKDR-900, & all the kids: CKIG, CKSI, CKHD, CKRF, CKRF, CFAK.  
British Columbia Lions: CFUN-1410, CHUD-1570, CHPQ-1370, CKSP-1450, CKOO-1240, CKOV-630, CKAL-1050, CHNL-610, CHNL-1230, CHNL-1 1400, CHNL-2 1340, CHNL-1400, CHWK-1270, CFYR-850, CKGO-1240, CKOK-800, CKOO-1 1490

Next time....another twin application for Weinwright, Albirdal

## WSAR switches to pop music, ends CBS affiliation, fires six

SOMERSET, Mass. — Radio station WSAR-AM, which cut back its broadcasting hours about two weeks ago as part of an austerity program, will change its format from talk to contemporary music effective today, according to station manager Robert Fay.

The 5,000-watt station, with a signal covering most of northeastern Massachusetts and part of Rhode Island, has also ended its affiliation with CBS radio and cut about six staff members, most of whom were talk show hosts.

After surveying the market for

several months, Fay, said, "We found a minority of the total audience listens to talk radio. We also found a majority of people, because of (economic and political) conditions today, want to escape... and music is a great escape."

The new format, provided by the Chicago-based and independent Satellite Music Network, will feature "contemporary" popular music aimed at an audience ranging in age from 25 to 44. The station, one of seven owned by the Knight Quality Group of Boston, and which operated 24 hours, now broadcasts from 5 a.m. to midnight.

via  
C.  
HARRISON

73's Johnny Canuck.



# BANDSCAN

ERIC BUENEMAN  
836 LAMPLIGHT LANE  
HAZELWOOD, MO 63042

13

To start things off this month, here's a daytime scan from MARK CONNELLY while he was in Baltimore, MD. These were received in the Hewlett-Packard parking lot on Koppers Street in SW Baltimore.

540 WDMV-MD	800 WTHR-NJ	980 WRC-DC	1270 WOKT-VA	1450 WOL-DC
550 NSVA-VA	810 WSVS-VA	990 WZZD-PA	1280 WHVR-PA	1460 WILM-DE
560 WFLM-PA	820 WYRE-MD	1010 WYST-MD	1290 WAGE-VA	1470 WPRW-VA
570 WPII-PA	830 WHAS-KY	1050 WGAY-MD	1300 WPRR-MD	1480 WCSI-MD
580 WPRB-MD	840 WEEU-PA	1060 KYW-PA	1310 WREL-VA	1490 WCHB-PA
590 WGSB-MD	850 WAYE-MD	1090 WBAL-MD	1320 WGEY-PA	1470 WTRR-HB
580 WHP-PA	860 WCBG-NY	1120 WUST-DC	1330 WASA-MD	1500 WTOP-DC
600 WCAO-MD	890 WLS-IL	1130 WNEW-NY	1340 WYCB-DC	1510 WJIC-NJ
630 WNAI-DC	900 WLMD-MD	1140 WRVA-VA	1350 WOYK-PA	1520 WHRF-MD
660 WNBC-NY	910 WJML-DE	1150 WDEL-DE	1360 WZBB-MD	1530 WOTR-MD
680 WCEM-MD	910 WSPA-PA	1170 WVA-WV	1370 WZTQ-MD	1540 WDDO-MD
710 WOR-NY	920 WPTX-MD	1190 WANN-MD	1380 WAYZ-PA	1550 WXVA-WV
730 WRMR-VA	930 WFND-MD	1210 WCAU-PA	1390 WBAH-VA	1560 WBSV-VA
740 WVCH-PA	940 WVLT-PA	1220 WFAX-VA	1400 WWIN-MD	1570 WTOV-MD
750 WBMD-MD	950 WPEM-PA	1230 WITN-MD	1410 WDOV-MD	1580 WPGC-MD
770 WABC-NY	960 WCPX-MD	1240 WGEN-MD	1420 WKGW-VA	1590 WJRO-MD
780 WABS-VA	960 WSBY-MD	1250 WROW-PA	1430 WNAV-MD	1600 WINX-MD
790 WTAR-VA	970 WMYL-PA	1260 WWDG-DC	1440 WVBX-VA	
WAEB-PA	970 WAMD-MD	1270 WLBR-PA		

This next scan is a daytime scan from KEN ONYSCHUK of Park Forest, IL. KEN uses a GE Superadio.

540 KMMT-IA	760 WJR-MI	970 WHA-MI	1220 WLPO-IL	1410 WRMH-IL
550 KSD-MO	770 WFLD-MI	980 WITY-IL	1230 WJOB-IN	1420 WIMS-IN
560 WIND-IL	780 WBBH-IL	990 WGAZ-IL	1240 WGRW-IL	1430 WGMV-IL
570 WKYX-KY	790 WSGW-MI	1000 WCFL-IL	1250 WZLW-IL	1440 WBBP-IL
580 WLLI-IL	800 WKZI-IL	1020 WFED-IL	1260 WZLW-IL	1450 WROK-IL
590 WRTH-IL	810 WJPM-MI	1040 WHO-IA	1270 WZLW-IL	1460 WCOL-IL
600 WMT-IA	820 WAIT-IL	1050 WDEZ-IL	1280 WZLW-IL	1470 WCEV-IL
610 WDAF-MO	840 WBAS-KY	1060 WFTB-MI	1290 WZLW-IL	1480 WIXN-IL
620 WTMJ-MI	850 WTVS-IL	1070 WTSO-MI	1300 WTAQ-IL	1490 WPPF-IL
630 KXOK-MO	860 KFUP-MO	1080 WYBC-IN	1310 WZLW-IL	1500 WFEW-IL
640 WOI-IA	870 WQOM-IN	1090 WYBC-IN	1320 WZLW-IL	1510 WAKE-IN
650 WSM-TN	880 WKAR-MI	1100 WYBC-IN	1330 WZLW-IL	1520 WJRC-IL
670 WMAQ-IL	890 WLS-IL	1110 WYBC-IN	1340 WZLW-IL	1530 WZLW-IL
690 WCKR-NI	910 WSDI-IL	1120 WYBC-IN	1350 WZLW-IL	1540 WKDC-IL
700 WLM-OR	920 WBAI-IN	1130 WYBC-IN	1360 WZLW-IL	1550 WLOI-IN
720 WGN-IL	930 WBOB-IN	1140 WYBC-IN	1370 WZLW-IL	1560 WZLW-IL
730 WKRE-MO	940 WBCY-MI	1150 WYBC-IN	1380 WZLW-IL	1570 WZLW-IL
740 WYLN-IL	950 WJPC-IL	1160 WYBC-IN	1390 WZLW-IL	1580 WZLW-IL
KBQE-IA	960 WSBT-IN	1170 WYBC-IN	1400 WZLW-IL	1590 WZLW-IL
	970 WMAX-IL	1180 WYBC-IN	1410 WZLW-IL	1600 WZLW-IL
		1190 WYBC-IN	1420 WZLW-IL	
		1210 WYBC-IN	1430 WZLW-IL	
			1440 WZLW-IL	
			WSJM-MI	

Well, that's the end of an abbreviated column this month. Next month, hopefully, we'll get back to the usual large column. WE CANNOT HAVE A COLUMN WITHOUT SUPPORT! 73 and good DX,

Eric Bueneman  
Eric Bueneman-KDXSTL

## Blaupunkt Offers Radio-Information System To Motorists

NEW YORK — Just months after introducing a computerized highway guidance system for German drivers, the German electronics firm, Blaupunkt, is implementing a regional driver radio-information system in the United States.

New York and Chicago drivers will benefit initially from the driver information system. Under this plan, specially-equipped Blaupunkt auto stereo systems continually monitor a driver-information radio channel. It transmits information on the changing route conditions

for weather, road repairs, traffic jams or accidents and suggests alternate travel routes.

The system is called ARI for Automatic Radio Information. By dividing each metropolitan area into cells, the system relays route information only for specific areas. Blaupunkt car stereos equipped with ARI automatically alert the driver to emergency bulletins at a preset volume level. To deliver its message, ARI interrupts whatever radio or tape cassette program the driver is enjoying.

In each target city, selected

Fm radio stations are employed to transmit driver reports over a subcarrier channel.

Wake-up tones, corresponding to each city's cellular traffic information zones, trigger a driver's ARI system only when the cell in which he is driving is alerted.

At present, metropolitan New York City is divided into four cells: inner city, Long Island, New Jersey and Westchester/southwestern Connecticut. In Chicago, both the inner city and Illinois suburbs are covered. Blaupunkt has announced that

within a few years, it expects every major U.S. city to have an ARI system.

In Europe, the patented system has caught on in West Germany, Switzerland and Austria. For use on the autobahn, Blaupunkt has even extended its ARI offering to include graphics display accessories for informing a driver of alternate routes. The present system is so sophisticated that it alerts the driver to specific off-ramps and inter-sections that are being approached.

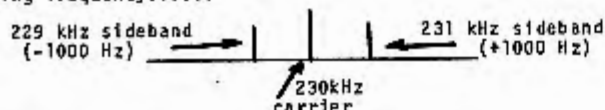
—Richard Doherty



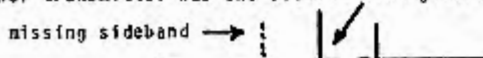
A few loggings.....

- 1634 ??? 0344 & 0403 6-1 KA81207 beacon. (Healy)
- 1634 ??? 0347-0350 6-1 KA80099 beacon. Continuous ID noted instead of once every few minutes. This was also logged on 1-10 by Sam Neal in Texas. (Healy)
- 1675 ECUADOR Esmeraldas 0402 6-9 ESM beacon fair/poor. (Healy)
- 1710 ??? 0238 6-1 3 separate pips hrd instead of 2 as in previous months. Same situation on 1746 kHz. Sounds the same on AM. (Frodge)
- 1715 ??? 0231 6-2 Double pips-42/min.-occasionally merging to one long pip. Loops tightly 340 degrees. (Frodge)
- 1783 ??? 0205 6-20 Two separate stations here. One has 30 long pips/min. and the other has 30 short pips/min. Hrd simultaneously. "Long pip" station runs carrier only (AM) for long periods of time. A 100 Hz hot noted between the two carriers. (Healy)

CPP Cullinan, AL is widely reported on 1615a instead of it's "correct" 7th harmonic of 1610 kHz. (nominal 230 kHz x 7 = 1610). How come?? Most newer beacons on the air today do not use AM transmitters as we know them. A true AM transmitter would have a spectrum like this, using a 1 kHz modulating frequency.....



The newer transmitter has one section that generates the carrier only....



And a separate circuit that generates a lower power CW (A1) signal at a frequency 1 kHz higher, or 231 kHz in our example. The signals still heterodyne together in the receiver as they did before and, Viola! An equivalent to NCM (A2) code transmission. Now, how does this relate to CPP? Ok, if the +231 kHz circuit was defective and radiating a harmonic it would be 7 x 231 = 1617 kHz. This is about where most reports put it. Even if the carrier were present, (1610 kHz), it would be buried by Anguilla, TIS, etc. An article in "Lowdown" a while ago had a good explanation of this type of beacon station.

Of some interest is the current status of the marker beacon in Newark, CA (Metro San Francisco). Frequency, tone, how well it seems to get out, and any other info of interest.

Lots of these "KA&five numbers" beacons have shown up in the last six months. It would seem that these are FCC type calls. Anyone know anything about these?

Oh yes...Logging credits: The Frodge and Healy Show, Same equipment.



**kleven**  
COMMUNICATIONS GROUP

KBHB  
KRCS  
KMSD  
KKOJ  
KKCM

1600 am  
**WSTL**  
Town and Country  
Radio  
Box 185  
Eminence, KY 40019

Greetings again, and welcome to another edition of DXChange, belated though it is. Part of the reason is the lengthy delay in getting this typer repaired, part due to my move, and part due to having to meet the deadlines for my portion of the NRC 50th Anniversary book. Anyway, all future correspondence for this column and otherwise should be sent to me at my new address; as stated at the top of this column. That being done with, let's get on with what is now a large column:

FOR SALE - RECEIVERS

HAMMARLUND HQ-180A, recently re-tubed, in v'y fine ex, w/matching spkr. & KRS-1 digital readout. \$575 cashier's check or MO. UPS shipped & insured. Manuals included. (Terry A. Klasek, 9720 Vickie Pl., St. Louis, MO 63136; (314)-868-7274, no collect).

SONY ICF-6700W w/manual, almost new ex. \$250. UPS incl. (Klasek)

BEARGAT 101 16-channel programmable scanner (not digital), w/manual. \$200 incl. UPS. (Klasek)

R-390A/URR in exc. ex w/manual. \$375 plus shipping or will consider trade for a transistorized rig such as R-1000; FRG-7700, etc. (Ken Roustadt, 2541 Schroeder Court, Toledo, OH 43613; (419)-475-3089)

TNC VLHC-1 Receiver. Solid state 10-40kHz in 3 bands. Cost \$250 at Fair Radio 2 months ago -never used by me. \$225 plus UPS. (H.J. Stutterheim, P.O. Box 2576, Montauk, NY 11954; (516)-668-9460 most weekend, no collect)

ALLIED/RADIO SHACK SX-190 SWBC receiver. solid state, \$125+UPS (Stutterheim)

YAESU FRG-7, damaged, repaired by factory, works ok. \$130+UPS (Stutterheim)

COLLINS R-390A in near new condition complete w/cabinet & full manual. Has meters & in perfect operating shape. \$425 + freight. Can bring to Enfield. (Dick Truax, 3003 Gleason Lane, Jeffersonton, KY 40299 (502)-491-2871)

HAMMARLUND SP-600, exc. ex., w/manual. \$225 + shipping. (Truax)

(Another) HAMMARLUND SP-600, completely restored & reworked including 200 KHz calibrator, product detector, Complete w/ beautiful cabinet, matching spkr., & manual. Truly one of a kind. \$325 + shipping. Can bring to Enfield. (Truax)

FOR SALE - ACCESSORIES

PALOMAR LONGWAVE CONVERTER - Allows tuning of 10-500KHz on any rx capable of tuning 3.5-4.0 MHz. Have logged 3 TA's and innumerable beacons in Midwest with only loop antenna. Like-new condition. \$50 incl. shipping in U.S. (Truax)

HAMMARLUND HC-10 SSB/IF outboard adaptor. \$135+UPS. w/no case. (Stutterheim)

RYCOM 2174A selective voltmeter/VLF receiver 10kHz-420 kHz. \$130+UPS (Stutterheim)

EICO Model 377 Sine/Square Wave Audio Generator; 20 Hz - 200 KHz. Exc. ex. w/ photocopy of manual. \$40+shipping (Truax)

HEATH IB-101 Frequency Counter. Measures freqs. to 1MHz for FSA or PFH techniques. Near mint ex w/manual. \$175 less UPS. 1st P.O.M.O. has priority, but inquiries accompanied by SASE accepted. (S.J. Bohac, P.O. Box 421, Fairview, NJ 07022)

FOR SALE - ANTENNAS

McKAY-DYMEK DA-5 loop. Exc. ex., \$100+shipping. (Ed Best, 2004 University Dr., Durham, NC 27707, (919)-489-2164)\*\*\* or trade for Sanserino loop.

WANTED - MANUALS

Mackay Marine Type 3010C, Mod. 2 rx. (Craig Healy, 66 Cove St., Pawtucket, RI)

SP-600-VLF. Will pay all expenses of duplicating & shipping (Truax)

WANTED - RECEIVERS

DRAKE or COLLINS communications rx suitable for BCB & use w/Jurgens Martins HW loop. Have either Panasonic RF-4900 or Sony ICF-S5W for sale or trade. Could deliver to Omaha or Cedar Rapids areas. (Richard Strunk, RR2, Box 45, Mt. Vernon, SD 57363)



## WANTED - ANTENNAS

SANSERINO Loop, preferably amplified. (Best)

SPACE MAGNET SM2; PALOMAR LOOP OR RADIO WEST FERRITE ROD LOOP. (Scott Streiker, Indian Neck Road, Wareham, MA 02571, (617)-295-8340 until 2200 ELT)

SPACE MAGNET or McKAY-DYNEK or similar. (Joseph Colohan, 157 Walton Place, Lansdowne PA 19050 (215)-626-3376) \*\*\* See above, Joe-Ed.

Now, having found his original copy after asking him for another, I present in its entirety, Steve Bohac's list of parts for R-390A's and R-389's as well as for HQ-180/180A's. These are presented as typed, as copy is excellent and substantial.

## FOR SALE

## R-390A PARTS

BFO (Permeability-tuned oscillator), zero defects	\$35
BFO expansion/flexible coupler	\$15
Z-501 Xtal filter and crystal	\$40
Z-503 AGC transformer (this is the one that gets the stuck core & is impossible to adjust)	\$30
Other I-F transformers	\$25 ea
R-390A front panel	\$20 ea
Line level meters	\$25 ea
Carrier level meters	\$25 ea
Veeder-Root MHz/KHz counter	\$15 ea
Multi-gang ceramic selectivity switch	\$20
R-390A power supply (zero defects)	\$75
R-390A audio subchassis (zero defects)	\$75
R-390A Tech Manual 0967-063-2010 with changes and parts list	\$20
Military Coax connectors UG-421 and UG-422, these are the impossible-to-find antenna connectors found on the rear of the R-390 & R-390A. Have three (3) mating pairs; <u>new</u> packaged, unused. Sold as a pair only	\$25 pair
Miscellaneous other R-390A hardware: knobs, cables, heat-dissipating tube shields, wafer switches, amphenol multi-pin connectors, gears, R-F tuning slugs, cams, oldham couplers, crystals, PTO anti-backlash coupling, etc...	write SASE requested

## R-389 PARTS

R-389 R-F subchassis, about 90% complete, A source of <u>parts only</u> for the DXer who wishes to fix his receiver. R-F transformers for the R-389 cannot be found otherwise. Approximately 30 R-F transformers on this subchassis and a wealth of other parts also	\$75
R-389 Gear Train (complete), motorized tune and Veeder-Root counter	\$30
R-389 Manual: complete parts list, vendors, etc	\$12

## HQ-180/HQ-180A PARTS

24-hour Telechron clock ( <u>new</u> /boxed/unused)	\$30
24-hour Telechron clock ( <u>used</u> )	\$17
HQ-180/HQ-180A S-meter ( <u>new</u> /boxed/unused)	\$40

\* \* \* \* \*

All items are less UPS Shipping. For heavy items, please allow for shipping charges. Inquiries should be accompanied by a SASE. First Post Office Money Orders received have priority.

S.J. Bohac  
PO Box 421  
Fairview, NJ 07022

Well, that's it for this time! Excellent response after my comments in the last edition of this. Let's keep it up! And again, sorry for the lateness of this.

## A JAMAICAN DX'ING HOLIDAY

Gerry Thomas

As the L1011 Whisperliner lifted off the runway of Miami's International Airport, it finally hit me that I, at last, was going to make it to Jamaica---that island of the West Indies where (according to the brochures) "clear, aquamarine seas stroke Ivory beaches in naturally varying rhythms and where a blindingly white sun warms the air and skips its light off mountains green and lush and gentle." Six days, six whole days of lying in the sun, sipping rum punch, and DX'ing from the geographical center of the Caribbean Sea. The prospects were intoxicating. To heighten the mood even further, someone toward the front of the plane began singing, "Down in Jamaica, they've got, lot's of pretty women..."

My home for the next week would be the beach at Negril, a relatively undeveloped seven-mile stretch of coast an hour's drive to the west and south of Montego Bay. Discovered in the late 1960's by affluent "flower children," Negril has a reputation as a slow-moving, unspoiled alternative to the commercialism of Montego Bay, Ocho Rios, and Kingstons. It also had the potential of being a very good DX'ing location. And carefully packed in my suitcases were my DX tools---a modified (narrow IF filter) Sony ICF-6500W, a modified TRF, and a Hot Rod. To supplement this arsenal I had also packed 50' of wire, the latest WRTM, Schatz's Cuban list, Hutton's split list, my own list of targets and unID's and miscellaneous items such as tape, screwdrivers, pliers, etc. I was not totally optimistic, though. The Cubans were potent pests in northwest Florida and could be expected to be far worse on an island roughly 100 miles south of Fidel. And conditions could easily be sub-par for the short period I'd be in Jamaica. As it turned out, these were problems but they were easily secondary to the principal one---the atmosphere of Negril itself.

Flight 973 touched down at Montego Bay airport on time and, after being greeted by singing Jamaican school girls and a representative of Jamaica's rum industry who was serving complimentary rum punches (I had six; they were little), I found myself in the back of a mini-bus performing aerial acrobatics as the driver tried to set a new land speed record on the sickeningly winding two-lane road connecting Montego Bay and Negril. After a seeming eternity, we arrived in Negril and, after settling in that first night, I realized I was too tired for serious DX'ing so, instead, I tuned to Radio JamaicaFM and fell asleep to the ska beat of some very entrancing reggae.

The next morning was beautifully clear and bright so I decided to sit on the beach and casually scan the band to get an idea of conditions. Not ten minutes had passed before I realized that it is next to impossible to DX on the beach at Negril. This is because of three things: (1) Long Bay, the seven-mile stretch of reef-enclosed water that forms Negril Beach, is indescribably beautiful and listening to static on a man-made electronic box seems sacrilegious; (2) every five minutes a native Jamaican stops to offer you anything from money to various illegal drugs to "a good time with my cousin" in exchange for your radio (Jamaica only imports certain brands; all others are highly desired); and finally, (3) the beach at Negril is topless throughout its length and swimsuit-optional on much of it.

Now I enjoy DX'ing as much as anyone and it would have been an easy step to take to retreat to my room to avoid the bids by the locals for my radio. And while sequestered indoors, the allure of Negril's natural beauty could probably have been kept out of mind. But, the thought of missing scantily (at most) clad young ladies strolling up and down the beach, well, as I said, I enjoy DX'ing but....

So, as a result, I only managed one daytime bandscan during my stay and, unfortunately, only about 20 hours of DX'ing during the night. Nonetheless, I thought I'd share what loggings I did manage.

The following loggings contain both midday and mid-evening receptions; no sunrise or sunset skip sessions were attempted nor were time or luck sufficient to avoid extensive unID's.



- 530 Costa Rica. TICAL only slightly better than received in Pensacola; nights only.
- 535 Grenada. Present only as a weak carrier during mid-evening.
- 540 Colombia. Dominant all times with R. de Colombia ID's.
- Nicaragua R. Corporacion fair around the clock; better than NW FL.
- 550 Cuba. R. Rebelde owning the channel at night; equal to Jamaica days.
- Jamaica Only 50 miles away but being tested by Cuba during daylight.
- UNID Poor LA under the others.
- 555 Nicaragua. Good day and night. No sign of St. Kitts.
- 557 UNID. NOT separable.
- 560 Jamaica. Good day and night with weak UNID LA under.
- 570 Cuba. Rebelde dominant days.
- Venezuela. Replaced Cuba at night atop frequency; Rumbos ID's.
- 580 Jamaica. R. Jamaica owns it day and night.
- Cuba. Very weak under Jamaica days.
- 590 Cuba. Only fair but dominant at all times.
- Dominican Republic. R. Santa Maria poor but readable at night.
- 595 Dominica. Surprisingly weak but present at night.
- 600 Cuba. Rebelde the one, day and night.
- Colombia. Fair in partial Cuban null around the clock; R. Libertad.
- 610 FL, Miami. WIOD always atop Cuba.
- Cuba. Rebelde losing to WIOD.
- 620 Cuba. Always strong.
- Jamaica. Excellent in Cuban null, especially during the day.
- FL, St. Pete. WSUN occasionally in at night under the others.
- 625 Nothing.
- 630 Cuba. Very good day and night.
- El Salvador. Weak in Cuban null during day; La Monumental ID's.
- 640 Guatemala. TGM atop channel during day, weaker at night.
- Cuba. R. Progreso best at night; weakest of three during day.
- Cuba. R. Liberacion second best daytimer.
- Guadeloupe. No sign of.
- 650 Cuba. Liberacion atop during the day.
- TN, Nashville. WSM owns it at night.
- 655 El Salvador. Surprisingly poor at night; much better in Pensacola.
- Nothing during the day.
- 660 Haiti. Very good and atop at night.
- Cuba. R. Progreso the one during the day.
- UNID. Weak UNID LA here weakly all times.
- 670 Cuba. Liberacion atop days; 500 Hz het.
- Venezuela. Rumbos dominant nights; //570.
- 680 Cuba. Liberacion best during the day.
- El Salvador. Fair in Cuban null during daylight.
- NC, Raleigh. WPTF good at night.
- 690 Cuba. Liberacion good all times.
- Honduras. Fair under Cuban at night; LV de Honduras ID's.
- 700 Jamaica. R. One best of the lot day and night.
- Cuba. R. Liberacion audible under Jamaica all times.
- OH, Cincinnati. WLW intermittent and weak at night.
- 705 Honduras. LV de Olancho very good nights; much better than Pensacola.
- No sign of St. Vincent.
- 710 FL, Miami. WCBS the only station audible at any hour; good signal
- 720 Jamaica. R. Jamaica barely dominant days.
- Cuba. Liberacion good in Jamaica null.
- UNID. Fair strength LA audible but unreadable days.
- 725 Surinam. Not audible; perhaps not on the air.
- 730 Cuba. Liberacion rules the frequency day and night.
- 735 Ecuador. R. Melodia very good; better than Pensacola.
- 740 Cuba. Liberacion dominant day and night.
- 750 Jamaica. Good nights; replaced by next two during day.
- Nicaragua. R. Sandino fair days.
- Venezuela. R. Caracas poor to fair during daylight.
- 760 Cuba. Reloj best all times.
- Colombia. Good in partial Cuban null all times; LV de Barranquilla.
- 765 El Salvador. R. Universal no problem nights.
- 770 Jamaica. Good days.
- Panama. LV de Herrera fair at night.
- 775 Expected R. La Prensana (Ecuador) to be easy; no sign of it.
- 780 Colombia. R. Almirante alone day and night.
- 790 Jamaica. Owns 790 but didn't hear R. Central ID's.
- FL, Miami. WWSM fair under, all times.
- 800 Cuba. R. Progreso superloud always; obliterating all else.

- 810 Colombia. Sutatenza loud nights, poor days.
- Cuba. Progreso weak-fair, days.
- 815 Ecuador. Fair nights, nothing during the day.
- 820 Cuba. Progreso dominant at all times.
- Nicaragua. Weak but readable during daylight.
- 825 Panama. Good at night with Peninsula ID's. No St. Kitts.
- 830 UNID. Only one extremely weak LA audible, strange.
- 834 Haiti. Easy around the clock.
- 840 Haiti. Ruled 840 most nights.
- Cuba. Best during the day; Progreso.
- Nicaragua. R. Noticias making it on groundwave days.
- UNID. Another LA daytimer unreadable.
- 850 Cuba. Liberacion (not progreso) very strong always.
- 860 Cuba. Metropolitana dominant all times; nothing else audible.
- 870 Cuba. Progreso good days, fair nights.
- LA, New Orleans. WWL better of the two during the night.
- 880 Cuba. Progreso loud, masking all else.
- 885 Montserrat. Poor nights with intermittent audio.
- 890 Cuba. Musical Nacional always strong; nothing else in.
- 895 Haiti. Trans Artibonite readable day and night.
- 900 Nicaragua. R. Tiempo in well during the day; a mix of many at night.
- 905 El Salvador. Radiopolis very good nights; only a carrier days.
- 910 Cuba. R. Cadena Agramonte dominant all times.
- UNID. A "R. Caribe" here days only but nothing listed.
- 915 Ecuador. "C-R-O" poor nights; typical Pensacola reception is better.
- 918 Nicaragua. Fair-good evenings.
- 920 Cuba. Progreso at good level at all times but audio distorted.
- 925 Nothing.
- 927 UNID. Very weak carrier nights.
- 930 El Salvador. YSTG here during the day; no Montserrat ever.
- 930.5 Cuba. The off-frequency Reloj loud nights.
- 940 FL, Miami. WINZ owns 940 at night; good in Cuban partial null days.
- Cuba. Reloj fair.
- 944 Honduras. Panamericana in well at all times.
- 950 UNID. Was awaiting an ID after a lengthy monologue by SS male but audio suddenly stopped leaving only an open carrier which remained for days. Cuba?
- 960 Cuba. Reloj dominant day and night with a 200 Hz het; nothing else.
- 970 FL, Tampa. WFLA atop nights.
- American Virgin Islands. WSTX in poorly during daylight.
- 980 Cuba. Atop though only fair.
- UNID. Upbeat LA mx day and night but never an ID.
- 988 UNID. But I bet it was the Cuban.
- 990 Ecuador. Radiodif. Tarqui one of the better daytime catches, though poor. Nothing dominant at night, just CY-like hash.
- 995 Ecuador. R. Mil very good at night.
- 1000 Cuba. Owns it days; good nights.
- American Virgin Islands. Very poor days under Cuba.
- OK, Oklahoma City. Was a bit surprised to find KTOK the best most nights; it's usually only fair in Pensacola.
- 1006 UNID. Very weak carrier nights.
- 1010 Cuba. R. Guama good around the clock; only unreadable hash under.
- 1020 Cuba. Guama dominant days.
- Nicaragua. R. Reloj poor but readable days in Cuban null.
- Venezuela. R. Calendario takes over channel at night; no KDKA.
- 1025 Colombia. Just a little better than usual Pensacola reception; fair.
- 1030 Cuba. Guama good days.
- Turks and Caicos. Presumed the one at fair level in Cuban null
- Caribbean EE; audible all times.
- Colombia. Here at night at good strength; RCN.
- 1035 Haiti. No sign of.
- 1040 Cuba. No Guama listed but // 1010, 1020, etc.; good day and night.
- Colombia. R. Tropical battling Guama at night; CARACOL.
- 1045 Panama. Very poor nights; no Haiti.
- 1050 Cuba. Dominant all times and //1010, 1020, etc.
- UNID. EE station weak under Cuba.
- 1055 Colombia. LV del Centro very poor nights.
- 1060 Cuba. CMKS owns the channel all times.
- 1070 Cuba. Atop the frequency day and night; //1060.
- Colombia. Em. Atlantico fair days (gone nights); 1 kHz het.
- 1080 Cuba. Good days and // 1060, etc.
- FL, Coral Gables. WVCG fair under Cuba days; nights are a messy mix of many stations.



- 1090 Cuba. Atop the channel days and // 1060, etc.  
AK, Little Rock. KAAV owns it at night.  
Guatemala. R. Mil Noventa fair in KAAV null.
- 1100 Cuba. R. Angullo atop days.  
Colombia. R. Reloj just under Cuba days and atop channel nights.
- 1110 Cuba. R. Angulo near top days.  
FL, Tampa-St. Pete. WTIS almost equal to Cuba days.  
NC, Charlotte. WBT takes over at night.
- 1120 Cuba. R. Angulo the winner during daylight.  
MO, St. Louis. KMOX dominant nights.
- 1125 Costa Rica. Quite good at night.
- 1130 LA, Shreveport. KWKH only ID'able station at any time.
- 1140 Cuba. R. Bagamo excellent at night.  
FL, Miami. WQBA very loud days.
- 1141 Cuba. Jammer extremely weak (worse than in FL) and not affecting WQBA.
- 1150 Cuba. R. Bagamo the one day and night.
- 1160 Cuba. R. Bagamo best days and nights.  
Nicaragua. R. Dario fair-poor days under Cuban.
- 1163 Honduras. Weak nights.
- 1165 Antigua. Very good at night.
- 1170 Colombia. LV de la Heroica dominant at all times.
- 1175 El Salvador. LV del Pacifico poor nights.
- 1176 Colombia. HJJK good at night and hitting 1175.
- 1180 FL, Marathon. VOA very loud days.  
Cuba. Reloj weak all times.
- 1190 Colombia. LV de la Costa here during daylight; CARACOL.  
Colombia. A Todelar station here weakly at night; frequent "en Manizales" mentions; nothing listed.
- 1200 Cuba. R. Sancti-Spiritus good days.  
Colombia. Good but repeated "en Barranquilla" at ID's a mystery (nothing listed); no calls or slogans heard with certainty.
- 1205 Cayman Islands. Almost good around the clock.
- 1210 Cuba. R. Sancti-Spiritus good days; R. Rebelde atop nights.
- 1220 Cuba. Very strong day and night.  
Colombia. LV de Colombia weak under Cuba during daylight.
- 1230 Cuba. Atop nights with 1 kHz her; //1220.  
FL, New Smyrna Beach. WSBF surprisingly dominant nights.
- 1240 Bahamas. ZNS-2 weak but atop days.  
Cuba. Second during daylight; //1220, 1230.  
Nothing dominant nights.
- 1242 UNID. Weak carrier here nights, looped E-W.
- 1250 Cuba. Double dominant days.  
Cuba. Another Cuban weak under, days; nothing but noise nights.
- 1260 Cuba. Reloj her and dominant days.  
Colombia. R. Prosperidad atop nights, RCN; never heard in FL.
- 1270 Cuba. Reloj dominant night and day.
- 1280 Cuba. Reloj atop nights, weak during day.  
UNID. EE station fair with soft jazz, on EIT; nights only.  
UNID. Larry King here but weak; WNPT? WGBF?
- 1285 UNID. Very poor SS looped HC, nights; HCVN4?
- 1290 American Virgin Islands. WRRR poor days with soft-spoken female.  
Colombia. R. Sur also here days but weak.  
Venezuela. R. Puerto Cabello the one nights.
- 1300 Colombia. Owns it days; many Antillas ID's.  
Only hash at night.
- 1310 Cuba. R. Caribe dominant during daylight.  
Cuba. Double weak, days.  
Colombia. LV de la Patria atop nights; many UNID's under.
- 1315 Dominican Republic. R. Bani fair at night.
- 1320 Nicaragua. R. Maravilla fairly good at night; nothing days.
- 1330 Cuba. Owns it days. A heavy het obliterates channel at night.
- 1340 Cuba. Atop days and //1330 but with 1 kHz het.  
Colombia. R. Olimpica rules at night.
- 1350 UNID's. Two unknown SS stations here during day and a "R. Inter-nacional" audible at night.
- 1360 Cuba. R. Codena Agramonte loud during the day; was privileged to hear such fare as "Disco Mambo," destined to be a classic for sure.
- 1370 Nasty 1 kHz het days masking everything.  
Colombia. R. Sabanas poor at night; CARACOL net.  
UNID. An EE station here at night.
- 1380 FL, St. Pete. WNSI dominant around the clock.

- 1390 Guatemala. R. Istmania fair days; nothing dominant at night.
- 1400 Colombia. R. Universal amazingly good days; dominant nights.  
Cuba. Agramonte fair days under Colombia.
- 1410 Cuba. Agramonte the only one during daylight.  
Ecuador. R. El Tiempo in briefly one evening; a nice surprise.  
UNID. EE C&W station audible nights; WUNI?
- 1420 Guatemala. TGRF here weakly during the day.  
Colombia. CARACOL dominant nights.
- 1430 Cuba. R. Surcos fair days; GY hash at night.
- 1440 Cuba. Fair and //1430 during the day.  
UNID's. Many, many at night.
- 1450 Nicaragua. R. Eco de las Brumas audible during day; nothing at night.
- 1455 UNID. Mostly a carrier only at night; looped E-W. Haiti-1456?
- 1460 Turks and Caicos. In day and night but poor.
- 1465 UNID. Carrier here nights looped HC; HCIC6?
- 1470 FL, Ft. Lauderdale. WRBD dominant all times.
- 1480 Cuba. Agramonte dominant days.  
UNID. A "R. Fortuna" here nights; no ideas.
- 1483 UNID. Fair carrier looped SE; HJHQ?
- 1490 UNID. EE C&W station audible at night (???)
- 1500 DC, Washington. WTOP weak but audible nights; nothing days.
- 1503 UNID. Poor SS male looped Ecuador at night; HCV3?
- 1505 Anguilla. Never a sign of.
- 1510 Guatemala. R. Centroamericana here days; very poor.  
TN, Nashville. WLAC good nights, covering all else.
- 1520 Colombia. R. Minuto dominant nights; at least 3 UNID's days.
- 1530 Cuba. R. Moron loud during the day.  
OH, Cincinnati. WCKY good at night, atop.  
UNID. A "R. Latina" weak at night, looped N-S.
- 1540 Bahamas. Owns it around the clock.
- 1550 Colombia. R. Portens easily atop at night; RCN.  
Cuba. Weak but audible under the Colombian.
- 1555 Cayman Islands. Superloud at all times; even splashes some.
- 1560 UNID. EZL fare days; no ID's ever.  
UNID. Someone testing here with 1 kHz tone most nights.
- 1570 Mexico. XERF owns it at night; nothing during the day.
- 1575 UNID. A really loud SS split but QM horrible and soft female vocals impossible to read; nights.
- 1580 Cuba. Agramonte atop the channel during the day.  
FL, Ft. Lauderdale. WSRF the main one at night.  
UNID. A "R. Carve" or "R. Cafe" located "en Colombia" here weakly at night but nothing listed.
- 1590 FL, St. Pete Beach. WRXB poor nights; many unID'd LA's with it.
- 1600 FL, West Palm Beach. WPOM good days; a LA hash at night.
- 1606 UNID. A real mystery and a heart-breaker---I really wanted this one. Level was poor-fair and voice (male and female announcers) was undermodulated. Uses a cuckoo lead-in to ID's at the half-hour and plays moderate LA mx. Seemed to loop SE/NW. Also noted in Pensacola after return and direction was SE. Possibly WLWZ or HIEC off frequency.
- 1610 Anguilla. Loud at night.

Phew! Well, there you have it. Roughly 250 loggings from the Island of Jamaica. Needless to say, the number would have been much larger had I seriously worked sunrise and sunset skip and had stuck with the numerous UNID's. Still, I'm pretty satisfied with the sessions I spent DX'ing and would like to give it another shot some time.

All too soon it came time to head back to the states and as I sat aboard the plane my mind was consumed by thoughts of Jamaica's natural beauty and the cordiality of the people; the attractions of Negril Beach and the great reggae music which pervades the island. I also recalled, with some resentment, the innumerable Cuban stations which ruled the band and made even some local Jamaican stations difficult to enjoy. As I was pondering the Cuban "pest" problems both in Jamaica and at home in Florida, a voice announced from the front of the plane, "This is your Captain speaking. If you'll look out your windows, you'll see the island of Cuba just ahead; we'll be passing directly over it in just a minute."

The Captain had more to say but I was no longer listening. My face had donned a mischievous grin and I was hurrying to the rear of the plane, and the restrooms.



## Echoes Story Of Early Radio

There's an imposing structure south of Nashville that has drawn inquisitive stares for almost 50 years: the WSM-AM 808-foot, diamond-shaped tower. Instead of being supported by multiple guy wires at several levels, this lofty tower has only a few at one level, the center "bulge". There were only four of these unusual towers ever built, and two remain—the WLW tower in Cincinnati, and the WSM tower.

WSM's inaugural broadcast was celebrated on October 5, 1925. National Life Chairman C.A. Craig addressed WSM's first audience, as Nashvillians gathered beneath the loudspeakers mounted on the corners of the Capitol Hill Building at 7th and Union. The Capitol Hill Building, which served as National Life's home office from 1923 to 1969, is now being demolished as part of the continuing development of the National Life Plaza.

Thomas Parks, a former ship radio operator, was WSM's first chief engineer. Parks and a 19-year-old engineer named John H. "Jack" DeWitt (eventually to become president of WSM) installed the first Western Electric transmitter at the antenna site on 15th and Weston Avenue. L.H. "Jack" Montgomery installed the copper wire ground system. The power of the station was 1,000 watts, with an output of some 75 miles. The antenna consisted of a wire strung between two 165-foot towers.

It was noteworthy that WSM began operation as a 1,000 watt station. Although early stations were low powered by modern standards, the lack of man-made interference enabled them to blanket large areas. One year following the inaugural broadcast, WSM took a short leave from the air to install a new transmitter. The station resumed operations at 5,000 watts in January of 1927.

The Federal Radio Commission (predecessor of the FCC) was formed in 1928 and given the authority to allocate frequencies. Radio was previously under the Department of Commerce. Station licenses required the authorization of Commerce Secretary Herbert Hoover, but stations were free to choose their own frequency, resulting in chaos.

In an effort to bring radio to rural areas of the nation that were being denied nighttime information, the FCC made possible the application for clear channel status.

In 1929, during his employment at Bell Telephone Laboratories in New York, Jack DeWitt was asked by E.W. Craig to testify in Washington before the FCC on behalf of WSM. Formal hearings were necessary because so many stations were vying for one of the 40 clear channel positions.

WSM was assigned a clear channel on 650 (meaning no other station could operate on that frequency during peak nighttime hours). WSM had been operating on 890, with a wave length of 360. In 1932, WSM was granted permission by the FCC to operate at 50,000 watts.

DeWitt returned to WSM in March of 1932 to become chief engineer, succeeding Jack Montgomery. A new transmitter site had been selected in Williamson County on Calendar Road (later named Concord Road) for its remoteness. A colonial style, concrete building was under construction and would soon house a 50,000 watt RCA transmitter. No decision had been made in regard to the antenna.

In the days of early radio, an antenna was built by stringing wire between two towers (sometimes referred to as a "long wire" antenna). The only function of the towers was to support the wire. National Life therefore considered buying two 400-foot towers, and stringing the antenna wire between them.

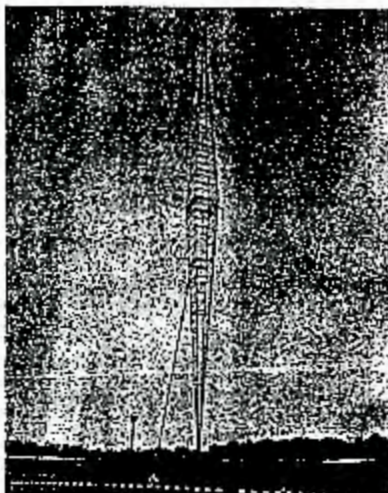


Photo Courtesy of The Nashville Banner

The transmitter site on Concord Road.

Before DeWitt left Bell Laboratories, an independent engineer came up with the calculation that a vertical antenna slightly taller than one-half the station's wave length would concentrate the energy along the ground instead of radiating most of it upward into space.

Bell was involved in selling radio transmitter equipment at the time, and commissioned the Blaw Knox Company of Pittsburgh, Pennsylvania to build a vertical antenna for a CBS station in Wayne Township, New Jersey.

Blaw Knox built a diamond-shaped antenna that looked as though two tapered towers had been joined at their base sections. Guy wires supported the tower at the center, the theory being that vertical radiation would work best with as few guy wires as possible at one level.

In April of 1932, DeWitt met with the National Life Executive Committee (C.A. Craig, C.R. Clements and E.W. Craig) on the question of the antenna. DeWitt recommended that WSM purchase the Whyne Township model antenna. Following the vertical antenna theory, WSM, with a wave length of 462 meters, would require a tower 878 feet in height—taller than any other in the country. The projected cost was \$45,000.

WSM's vertical tower was completed in October of 1932, which was the finishing step in connecting WSM with an elite group of maximum-powered broadcasters. Standard telephone lines carried the signal from 7th and Union to the transmitter site. The Grand Ole Opry was heard throughout most of North America.

An 873-foot tower was an unprecedented threat to aircraft in 1932. The Airways Division of the Department of Commerce ruled that the WSM tower bear two 1,000 watt red lamps at the top, plus an array of lights at the 370 and 570-foot levels.

The Communications Act was passed in 1934, doing away with the FCC, and establishing the Federal Communications Commission, which reinforced protection of clear channels. WSM was designated as a class I-A station.

The WSM tower remained the tallest in America for several years. In May of 1942, the top mast pole was removed for technical reasons (and now serves as the

by: ANDY RUGG

## (A) INTRODUCTION:

You can use this package to report in French to stations in Québec, France and the rest of the francophone world.

In recent years, many Québec stations have tended to ignore English-language reception reports. Conversely, for many years the writer had had a 100% response rate from Québec by writing in French to French-speaking stations.

This package should bolster your rate of response.

If you lack the translation of a word or two, the occasional lapse into English won't hurt. Also, I recommend the added touch of a personal letter instead of a printed form.

## (B) GLOSSARY:

## (1) DAYS AND MONTHS:

January	janvier	Sunday	dimanche
February	février	Monday	lundi
March	mars	Tuesday	mardi
April	avril	Wednesday	mercredi
May	mai	Thursday	jeudi
June	juin	Friday	vendredi
July	juillet	Saturday	samedi
August	août		
September	septembre	E.S.T.	H.N.E.
October	octobre	E.D.T.	H.A.E.
November	novembre		
December	décembre	A.M.	du matin
		P.M.	du soir
		hours	heures

(Note: Names of days and months always begin with a small letter, e.g. Friday, August 20, 1985      vendredi, le 20 août 1985)

In French numerical form it would be 85-08-20)

## (2) QUALITY OF RECEPTION/INTERFERENCE:

Overall rating:	excellent	Comprehension:	puissant
	very good		très bonne
	good		bonne
	fair		passable
	poor		faible
	barely audible		à peine entendue
Interference:	nil	Interférence:	aucune
	slight		très peu
	moderate		un peu
	severe		beaucoup
	from station...		du poste...



(3) PROGRAM DETAILS-GENERAL:

News	Nouvelles
Weather	Météo
Sports news	Nouvelles sportifs
Hockey game (between...and...)	Parti de hockey (entre...et...)
Baseball game	Parti de baseball
Discussion	Causerie
Telephone discussion	Causerie téléphonique
A man sang/spoke/mentioned	Un homme a chanté/parlé/mentionné
A woman sang/spoke/mentioned	Une femme a chanté/parlé/mentionné
Music	Musique
Instrumental music	Musique instrumentale
Rock'n'roll music	Musique du rock'n'roll
Golden oldies record (by...)	Ancien disque d'or (par...)
Country & Western music	Musique western
Folk music	Musique folklorique
Symphony orchestra music	Musique de l'orchestre symphonique
Speech (with applause)	Discours (avec applaudissements)
Drama	Drame
Mass	Messe
Hymn	Hymne
The title is (English/French)	Le titre est (anglais/français)
Election results	Résultats du scrutin
Call sign	Indicatif d'appel
Station identification	Identification de poste
Network	Réseau
Contest	Concours
Sign-off (with National Anthem)	Fin des émissions (avec hymne national)
Sing-on (with National Anthem)	Commencement des émissions (avec hymne national)
Time Signal	Signal horaire

(4) PROGRAM DETAILS - ADVERTISEMENTS & NEWS:

Commercial (for...)	Publicité (pour...)
Singing commercial (for...)	Publicité chantée (pour...)
bank	banque / caisse populaire
beer	bière
car dealer	concessionnaire d'automobile
clothing store	magasin de vêtements
cocktail lounge	bar-salon
corner store	dépanneur
dry-cleaner	nettoyeur
furniture dealer	détaillant de meubles
garage	garage
hardware store	quincaillerie
restaurant	restaurant
shopping centre	centre d'achats
store	magasin
supermarket	super marché
theatre	cinéma
travel agent	agence voyages
Newscast mentioned:	Les nouvelles ont mentionné:
-House of Commons, Ottawa	Chambre des Communs, Ottawa
-National Assembly, Quebec	l'Assemblée Nationale, Québec
-The Prime Minister	le Premier Ministre
-The Minister of Finance	le Ministre des Finances
-The Leader of the opposition	le Chef de l'Opposition
-City Hall	l'Hôtel de Ville
-President of the U.S.	le Président des Etats-Unis
-England	l'Angleterre
-unemployment	le chômage
-strike	la grève

(C) COMPARATIVE REPORT FORMS

ENGLISH

Radio station CXXX

Dear Sir:

re: RECEPTION REPORT

It was a pleasure to tune in CXXX today, 198\_\_ between  
and \_\_ A.M./P.M., B.S.T./E.D.T., on \_\_ kHz. Reception was \_\_ with  
interference (from station \_\_).

Here are the program details:

Receiver/antenna: \_\_\_\_\_

As a hobby, I am very interested in receiving distant AM radio stations and  
collecting verifications of reception. If the above details are correct, I would  
greatly appreciate receiving a card or letter confirming that I heard CXXX-\_\_ kHz.

I enclose return postage to facilitate your reply.

Hoping to hear from you soon, I am,

Yours truly,

Member: National Radio Club

FRENCH

Poste de Radio CXXX

Cher Monsieur:

sujet: RAPPORT d'ECOUTE

C'est avec plaisir que j'ai capté CXXX aujourd'hui, le 198\_\_  
entre \_\_ heures du matin/soir H.N.E./H.A.E., dans \_\_ kHz.  
La réception était \_\_ avec \_\_ d'interférence (du poste \_\_).

Voici les détails de programme:

Récepteur/Antenne: \_\_\_\_\_

Comme passe-temps, je m'intéresse beaucoup à capter les postes  
lointains de radio AM et collectionner des vérifications de réception. Si  
les détails ci-dessus sont exacts, je voudrais beaucoup recevoir une carte  
ou lettre pour confirmer que j'ai capté CXXX-\_\_ kHz.

Veillez trouver ci-joint l'affranchissement de retour pour expédier  
votre réponse.

Veuillez agréer, Monsieur, l'assurance de mes sentiments les plus  
distingués,

Member: National Radio Club



(5) SUPPLEMENTARY REMARKS: RECEPTION:

There was (very much) static noise	Il y avait (beaucoup) de bruits parasites
Your signals faded out (at XXXX hours)	Vos signaux sont partis dans un foudu (à XXXX heures)
Your signals faded in (at XXX hours)	Vos signaux sont arrivés dans un foudu (à XXXX heures)
Your signal strength improved/weakened (very suddenly) (at XXXX hours)	La puissance de vos signaux a augmenté/diminué (tout à coup) (à XXXX heures)
The interference was on top of your station	L'interférence se trouvait supérieur à votre poste
The interference was at the same level as your station	L'interférence se trouvait au même niveau que votre poste
The interference was underneath your station	L'interférence se trouvait au-dessous de votre poste

(6) SUNDRY PHRASES:

Attention: Chief Engineer	Aux soins de l'ingénieur en chef
Attention: General Manager	Aux soins du Directeur Général
Second request	Deuxième demande
Third request	Troisième demande
There are only a few program details because I don't understand oral French very well.	Il n'y a que le moindre détails de programme parce que je ne comprend pas trop bien le français oral.
Enclosed is a prepared QSL card; please sign it and return to me.	Veuillez trouver ci-joint une carte de QSL déjà préparé; S.V.P. signez-la et retourner à moi.
Also, please send me a coverage map, if you have any.	Aussi, S.V.P. m'envoyez une carte de rayonnement, si vous en avez.

(D) ACKNOWLEDGEMENTS etc.

I am particularly grateful to:

- ERNIE COOPER, who suggested this article
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- (MRS.) HELEN LEFORT, who "word-processed" both the original (1982) and revised (1983) editions.

I'd appreciate any suggestions to expand the glossary or otherwise enhance this package.

*Andy Rugg*  
Andy Rugg,  
Montréal, Québec  
June 28, 1983

# WSM RADIO

## AM TOWER

flagpole for Lipscomb Elementary across Concord Road from the transmitter), leaving the tower at 808.3 feet.

The third station to purchase the Blaw Knox design tower was WLW in Cincinnati, Ohio. The fourth and last of these towers was erected in Budapest, Hungary and was 1,010 feet in height. Russian artillery destroyed the Budapest tower during World War II. The tower in Wayne Township, New Jersey was eventually dismantled.

The WLW and WSM towers are the only diamond-shaped antennas in existence. It is doubtful that the design will ever be duplicated. The WSM tower is 150 tons of galvanized steel held in place by eight guy wires. "Don't let anyone tell you that a different design antenna can do a better job," DeWitt, 75, says. "It's simply not true." The WSM tower is approaching its 50th anniversary—October, 1982.



The 1932 WSM Field Test Car at the transmitter site.

WSM AM/FM  
P.O. Box 100  
Nashville, TN 37202

Editor: Lou Meux  
Radio Promotion  
(615) 749-2222

## "LOG BOOK"

```

1 REM"LOGBOOK"
2 PRINT "{CLR/HOME} ":PRINT"DO YOU WISH TO QUERY ITEMS BY 'FREQ' OR BY 'STATE'":
  INPUT X$
3 IF X$="STATE" THEN 9
4 PRINT "{CLR/HOME} ":PRINT"WHAT IS THE FREQ"
5 INPUT Q$: PRINT "{CLR/HOME} ":FOR I=1 TO 2500: READ A$
6 IF A$="END" THEN 15
7 READ B$,C$,D$,E$,F$,G$,+IFA$ Q$ THEN 8
8 PRINT A$;TAB(5);B$;TAB(14);C$;TAB(20);D$;TAB(25);E$;PRINT F$;TAB(9);G$
9 NEXT I
9 PRINT "{CLR/HOME} ":PRINT"ENTER STATE(--)-OR COUNTRY NAME": INPUT I$: PRINT "{CLR/
  HOME} "
10 FOR I=1 TO 2500: PRINT "{CLR/HOME} "
11 IF A$="END" THEN 15
12 READ B$,C$,D$,E$,F$,G$: IF F$ I$ THEN 14
13 PRINT A$;TAB(5);B$;TAB(14);C$;TAB(20);D$;TAB(25);E$;PRINT F$;TAB(9);G$;PRINT
14 NEXT I
15 PRINT:PRINT "THANK YOU....END OF PROGRAM...TO RESTART TYPE 'RUN'":STOP
  
```

The next lines are your DATA statements as many as you want, don't use comma's to separate words, unless you enclose those words in " " okay!

```

20 DATA 525, 11/21/78, 0141Z, R. RUMBOS, COSTA RICA, LISTEN TO CASSETTE
21 DATA 540, 12/18/79, 0445Z, KWHT, FT. BODGE, IA, ID FULL WX & ID
22 DATA END
  
```

## FOOTNOTE:

A\$= Freq.  
B\$= Date  
C\$= Time  
D\$= Call letters  
E\$= Location(city)  
F\$= State or Country  
G\$= remarks section of your log

Notice the two , after R. RUMBOS in line 20, this is cause I didn't enter the city or E\$ information. A comma without anything entered to the machine is a blank.

Any problems with this let me know.

*Mike*

THIS PROGRAM WAS WRITTEN ON A VIC-20 AND COMMODORE 64. Works with others as well.



2B

SONY

Always buy the original Sony product. Sony is a registered trademark of Sony Corporation.

**SPECIFICATIONS:**

FREQUENCY RANGE: AM: 530-1605 KHz  
FM: 88-108 MHz

**ANTENNA SYSTEM:**

AM: Built-in Ferrite Bar Antenna  
FM: Telescopic Antenna

SPEAKER: 3" Dynamic x 2

INPUT: External DC input jack

OUTPUT: Headphone (stereo mini jack)

POWER REQUIREMENTS: Battery-"AA" x 3  
(4.5v)(optional), AC 120v 60Hz with  
AC adaptor; AC-120w (optional)

**DIMENSIONS:**

3 3/4" H x 8 7/8" W x 1 3/8" D

WEIGHT: 1 lb. 8 oz. (with batteries  
inserted)

COLOR: Silver

SUPPLIED ACCESSORIES: Shoulder Strap

**OPTIONAL ACCESSORIES:**

AC-120w AC Adaptor MDR-30T Stereo  
AK-30P Battery Headphones  
Charger BPS-3 Rechargeable  
DCC-127A Car Batt- batteries  
ery Cord

AVAILABILITY: AUGUST 1983

WARRANTY: 1 Year, parts and labor

**OTHERNESS:**

LED in-tune indicator for precise  
center-tuning.

Attractive diagonal dial scale  
(according to Sony)

RECEIVES ALL SYSTEMS

COST: under \$100 (U.S.)



Design subject to change without notice for improvements.

**SPECIFICATIONS:**

very few spec's given on product sheet  
received here at HQ, but what we have  
we shall share with you:

contains a Wuarztz-PLL Synthesizer tuner

wide/narrow IF bandwidth selection

10 KHz notch filter

Sansui demodulator circuit instead of  
an antibirdie filter (it says)

can preset 8 FM and 8 AM stns, mono, or  
stereo w/buttons on front of panel

tuning is by 2 buttons (up and down)  
no dial

no mention of size or weight or power  
usage

WORKS WITH ALL AM SYSTEMS

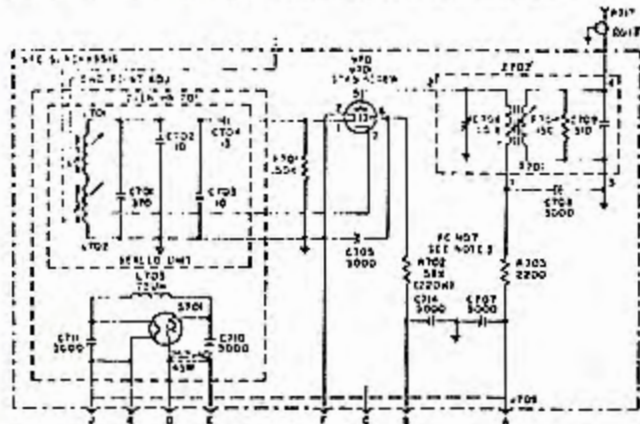
AVAILABILITY: very soon

that's it for info on it.

COST: around \$10.00(U.S.)

Dallas Lankford  
(c) 1983

About a year ago I purchased an R-390A as a source of spare parts for my main unit. Because additional parts from a cannibalized unit were bought at the same time, it seemed possible to overhaul the spare which was of 1967 vintage. Among the problems which confronted me was a PTO which did not meet manual specs. Both the Army and Navy manuals state that linearity should be better than  $\pm 300$  Hz when calibrated at the nearest 100 kHz point. A good estimate of linearity can be had by taking dial readings of zero beat over segments of the ECB using ECB stations as markers. The spare PTO was about +450 Hz off at 700 on the dial and over specs from about 650 to 750 (with end points at -000 and +000 calibrated). Moreover, the change of linearity was so rapid over this range that it was outside of specs when calibrated at the 700 point. The PTO also seemed to have excessive temperature drift. I say "seemed" because the Navy manual description of VFO stability vs temperature is either incorrect or incomplete: "+40 to +60 C, not to exceed 500 Hz, change must be positive +60 to +75 C, not to exceed 500 Hz, change must be negative +20 to +40, not to exceed 750 Hz, -40 to -20 C, not to exceed 400 Hz." The -20 to +20 C range is not given. Perhaps the +20 to +40 should be -20 to +40. Overall stability is given as "-40 to +65, not to exceed 300 Hz," which seems inconsistent with the previously stated VFO stability. I usually perform the end point adjustment with the R-390A on its side, so that returning the R-390A to horizontal increases the effective operating temperature. A PTO drift of about 1.2 kHz was noted between the two positions, which is certainly much more than manual specs. To facilitate our discussion a schematic of the PTO is given below. (There seem to be at least two different kinds of R-390A PTO's; our discussion does not apply to Cosmos Industries PTO's which can be identified by their blue label and lack of externally accessible end point adjustment slug.)



Three metal cylindrical cans enclose the tuned circuit and coupling capacitor C704. The PTO frequency is determined by a parallel LC tuned circuit where  $L = L701 + L702$  and  $C = C701 + C702 + C703$ . Removal of the outer can usually requires cutting the 25 volt feed wires. Don't waste wire as there may be barely enough slack to resolder them. The two inner cans are held in place by 3

small screws near the bakelite base. These screws may be hidden under the insulation which covers the heating pad and thermostat, or behind L705. If L705 is in the way, remove it by desoldering or cutting leads (there should be enough lead remaining on L705 to solder new leads). You will probably have to cut the thermostat and heating pad leads in order to remove the inner two cans. Inside the third can besides the electronics components you should find two small cylinders of indicating silica gel taped to supports, and the corrector stack. Remove the silica gel cylinders and place them in a small air-tight container. Indicating silica gel is dark blue in color when active, and may be reactivated by heating to 110-120 C for several hours (a precision oven should be used for this process). The silica gel containers in my unit were an orangish brown plastic so that the inactivated silica gel looked orangish (it is actually white). After reactivation the silica gel looked more black than blue because of false color imparted by the plastic container. End point adjustment is made by L701, a small slug tuned coil of a few turns. The KILOCYCLE tuning shaft drives a large ferrite slug in and out of L702. Attached to the slug are spring loaded rollers which advance and retard the slug position as determined by the shape of the corrector stack. The shape of the corrector stack may be changed after loosening a set screw. This allows for linearity adjustments.



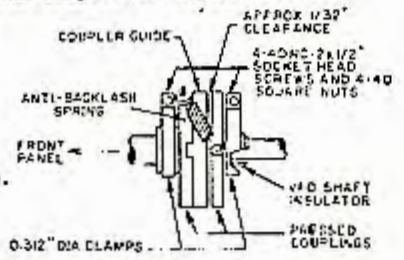
The LC circuit is temperature compensated by C701, C702, and C703 which are 10 pf N400, 10 pf N 1000, and 370 pf N50. The latter is a hermetically sealed, ± 1 %, beautiful little piece of metal and ceramic. The amount of drift contributed by each of the capacitors can be estimated by taking the derivative of  $f = 1/2\pi\sqrt{LC}$ ,  $df/dC = -f/2C$ , and evaluating  $df = -fkdT/2C$  where  $k_1 = 12(10 \times 10^{-12})(400 \times 10^{-6})$ ,  $k_2 = -(10 \times 10^{-12})(1000 \times 10^{-6})$ , and  $k_3 = -(370 \times 10^{-12})(50 \times 10^{-6})$ . The drifts are 18, 44, and 82 Hz per degree C respectively. It should be noted that the temperature coefficients are negative so that the frequency change is positive. The PTO tunes 3.455-2.455 nominally, so a positive frequency drift corresponds to an apparent negative change of dial reading. My original 1.2 kHz drift was apparently negative per dial readings, that is a positive drift of actual PTO frequency. Reducing the amount of negative drift was thus in order. The two 10 pf's were replaced with a 20 pf NPO (zero temp. coefficient) which reduced drift to about 300 Hz. From this I inferred a temperature change of about 15 C, which is ballpark for what one might expect.

Linearity was very difficult to adjust because of the very peaked corrector stack shape which was required. The stack consists of about 50 movable plates sandwiched between fixed plates. The movable plates can be adjusted over a range of about 1/4 inch which corresponds to about 3 kHz. Adjustment is tedious and difficult because of the small distances involved. Also, very peaked shapes are more like variable rise stairs (rather than the smooth curve desired), and with steep changes linearity may be impossible to achieve. Unfortunately this was the case with my PTO.

Fortunately I had parts from another PTO and so was able to trade L702 and C703 (C701 and C702 were restored). The resulting PTO had about 450 Hz apparent negative drift, so the 10 pf N1000 was deleted with an anticipated 210 Hz positive drift. As it turned out drift was stabilized at about +150 Hz apparent after an excursion to +200 Hz. Frequency estimates more accurate than 100 Hz are actually questionable, especially if precautions are not taken to minimize parallax error. More accurate measurements would require a frequency counter, but the above seemed approximately within manual specs, and was a definite improvement over the original. Linearity again seemed difficult to obtain because of steep gradients, but then I hit upon the idea of repositioning wires in the vicinity of L702. The general rule seemed to be that wire moved nearer to the coil raised the indicated frequency over part of the frequency range. The wire connecting L701 and C703 was relocated as far from L702 as possible. The wire connecting L701 and L702 which finally resulted in best linearity did not conform to good wiring practice. It was a meandering curve with large "hooks" on both ends. With a stack which had first been reset flat, linearity within 300 Hz was obtained, and then the stack was adjusted for linearity within 100 Hz at each 100 kHz point. Finally the stack was "tweaked" to bring a few wayward 10 kHz points within 100 Hz of linearity. If you remove one of the 10 pf caps as I did, you'll have to recalibrate by loosening the outer Oldham coupler clamp and repositioning the PTO shaft so that tracking is restored. A complete realignment will likely be necessary after all PTO adjustments are done because the variable 3-2 MHz IF will have been shifted considerably (about 50 kHz in my case).

These adjustments, so quickly described, actually took many hours of removing the PTO, removing the inner can (which must be in place because PTO readings are drastically altered with this can removed), turning the shaft of L702 so that the rollers are out of the way, loosening the stack set screw, adjusting the stack, tightening the stack set screw (be careful not to apply too much torque... you can twist-shear this long screw), return the KILOCYCLE change shaft to its proper position (turn counting will probably be required), replacing the inner can, replacing the PTO, etc. The anti-backlash spring was left off the Oldham coupler throughout these adjustments. There is noticeable backlash, but accurate readings are had by turning to zero beat in the same direction at each 100 kHz point. Because P109/J709 were connected and disconnected many times, they were engaged only enough to make good contact. J709 and its bracket were also disconnected from the outer can to save replacing the outer can each time.

Stack adjustment is facilitated by first setting the end points for exact 1000 kHz spread, and then recording the deviation (in + or - Hz) of zero beat at the remaining eight 100 kHz points. The stack is moved "up" or "down" at each calibration point an amount determined by trial and error. It is helpful to make pencil marks on the metal support beside the stack as guides

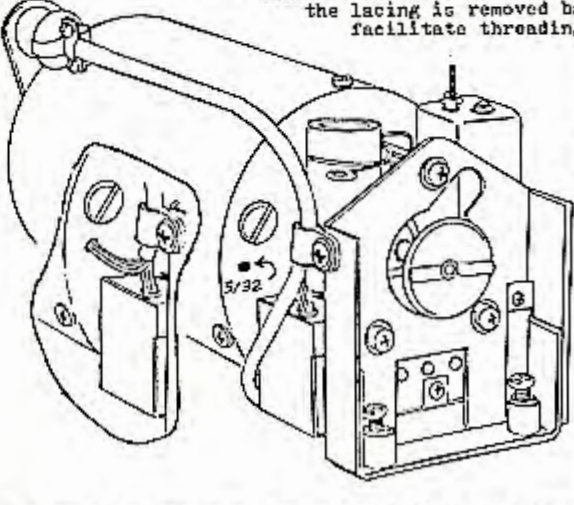


to the 100 kHz points and to orient the PTO in the same manner each time so that + is always up or always down (ditto for -) relative to the fixed orientation you have chosen. The stack between 100 kHz points should be adjusted for smooth changes. For an error of less than 300 Hz the distances the stack should be moved are very small, and a strong but delicate touch with a small screwdriver is required.

In my PTO, removal of the 10 pf N1000 (rather than replacement with a 10 pf NPO) was deemed desirable because of a resulting increase in end point adjustment usable range despite a decrease in L702 usable range. The range of L702 is about 15 1/2 turns. The PTO shaft can be turned through its range by hand, and no damage will occur at the limits provided the shaft is turned gently. I would assume that a new PTO had its 3.455-2.455 range approximately centered, with about 2 turns over range at each end. Based upon my own experience and conversations with others, aging tends to cause the exact 1000 kHz spread to be realized with a core range deeper into L702 so that less over range is available above +000 on the dial. This is because a decrease in the inductance of L701 is required (which is achieved by turning the end

point adjustment slug clockwise as viewed from the PTO front. The relative decrease of the end points can be estimated by noting  $df/dL = -f/2L = -2\pi^2 f^2 C$  so that  $df_0/df_1 = (f_0/f_1)^2 = (3.455/2.455)^2 = 2.787$ . As can be seen the -000 end point changes about 3 times as much as the +000 end point for a given change in L701. With the +000 end point at zero beat, an error of f below -000 will require that L701 be adjusted to an error of 0.56f above -000 for an exact 1000 kHz spread. This is, of course, an approximation, but using it should shorten the end point adjustment process.

Reassembly of the PTO is routine with a few exceptions. The indicating silica gel should be retaped in their original positions with something like Scotch 27 glass cloth electrical tape, a high temperature tape with thermosetting, pressure-sensitive adhesive, which operates at 130 C (Radio Kit sells 1/2 inch rolls). Even if there is plenty of slack for rewiring the 25 volt lines per original, I recommend that they be rerouted through the circular bakelite bracket just below the cover nut of S701 (the thermostat temp. control). This allows for future removal of the outer can without cutting wires, and keeps the 25 volt lines out of harms way. A 5/32 inch hole is about right, see the diagram below. Be sure to position L705 so that the nearby screw is not hidden. The wiring harness may be either laced or enclosed in black tubing. In the former, the lacing is removed back to the clamp to



facilitate threading the 25 volt line wires through the 5/32 hole, and in the latter the black tubing is trimmed back to the clamp using small diagonal cutters. The 5/32 hole should be drilled from the back side and carefully spaced to avoid a nearby solder lug and wire. I would also advise checking shaft alignment when the PTO is replaced. This is done by observing whether the coupler guide (the center disk) changes position relative to the fixed disks as the shaft is rotated. The PTO shaft can be repositioned slightly by changing the alignment of the front bracket which is attached to the PTO assembly with three Phillips head screws.

The rear bracket attached to the R-390A main frame can also be moved slightly. A misaligned Oldham coupler does not effect dial linearity, but can cause excessive wear.



## CONTESTS

RICH LEVIN  
7311 CROSS CREEK Blvd.  
LOUISVILLE, KY 40228

The Golden Anniversary NRC Contest is now history. It was an interesting Contest to say the least, even though it was an editor's nightmare. Below are the results. I need to add that the point totals listed below are really the actual point values divided by 100. Putting down the actual gargantuan point totals is unnecessary because they would confuse the average non-math major, and nobody was within 100 points of anyone else anyhow. On with the show--

#	NAME, LOCATION	PTS	NOTABLE CATCHES
1.	ROBERT KRAMER Chicago, IL	107	KTNQ-1020,CA CHTM-610,MB WPRO-630,RI KTAR-620,AZ KOGO-600,CA WIIN-1450,NJ
2.	DON LYNCH Wilbrahan, MA	70	WKNX-1210,MI WROD-1340,FL WSKI-1240,VT
3.	RAY BARNO Portage, PA	38	WOKY-920,WI WJML-1110,MI WLIL-730,TN
4.	TOM CONMASTER Sevierville, TN	37	WHIM-1110,RI* WREN-1250,KS
5.	FRANK WHEELER Erie, PA	31	CBY-990,NF WMBD-1470
6.	NANCY HARDY Aberdeen, WA	14.2	KPRL-1230,CA KIBS-1230,CA
7.	STEVE SPRAGUE Coffeyville, KS	14.0	WCCL-1590,NS
8.	JOHN MALICKY Pittsburgh, PA	13	KFYR-550,ND
9.	BILL HARDY Aberdeen, WA	5	KTOB-1490,CA

## PRIZES

\*Most points, before 3/15 (\$3 in reprints)  
ROBERT KRAMER (85)

\*Most states (\$3 in reprints)  
ROBERT KRAMER

\*2nd Place, overall (NRC Log)  
DON LYNCH

\*1st Place, overall (One year free NRC membership)  
ROBERT KRAMER

That ought to do it. The name of the game here was to identify a station, write down the details, and send it in as a Contest entry. The thing that won it for Robert was not that he had more quality catches than anyone else, just more catches--over 200 more than anyone else.

Well, it's been fun, but this column will end my tenure as NRC Contests editor. I will be starting college next fall, and I see no possible way that I can dedicate the time this column needs to survive then. I would like to thank LPC for the opportunity to edit this column, CPC for its fine work, and all the participants who gave their time for entries. The long Contest proved it can work this year, and with some changes, it can become an extremely competitive, exciting DX derby. I now leave you with these bits of wisdom...

## USELESS STATISTICS DEPT.

The first station on the AM dial in these states are the highest in the U.S. (\*-This will change) (w/KVOY-660 s/on)

1. WYOMING*	930	@- Out of the 13 contestants I've had
2. DELAWARE	900	in my two years, not one of them has
3. INDIANA	810	had a first or last initial that was
4. OKLAHOMA	640	a vowel. Take care and 73's...
5. NEVADA	630	

*Rich*  
Rich

## MUSINGS

PAUL SWEARINGEN  
7310 ENSIGN AVENUE  
SUN VALLEY, CA 91352

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

\*\*\*NEW ADDRESS: 7310 Ensign Ave. - Sun Valley, CA 91352\*\*\*

JOHN CLEMENTS ... correction ... (I left a line out of John's Muse in the last issue. Thanks to Don Erickson's sharp proofreading eye for catching it -pls) Phil (Bythway) proofread about 40% of the log on his trips to Minneapolis and Rich proofread about 1/4 of the log while commuting on BART. (And I can't even proofread while sitting still, hi -pls)

KARL JETER - 3590-C Clubhouse Circle East - Decatur, GA 30032 (pm 5-16; rec'd 5-20)  
As the warmer wx begins, after a late and cool spring, the DX'ing activities have dropped off some. Actually, a hiatus of sorts is underway due to the extremely poor verie return since late March, and I don't want to keep adding to the pile until some of these hold-outs answer. In the meantime, I have been getting involved in aircock-trading, and find this an enjoyable "sub"-hobby. Also, I have been familiarizing myself with the FM band, but nothing seriously being done there for now. Ironically, however, despite the lack of replies of late, the few I have been getting have been real gems. As I often send tapes with my reports, in the form of the 3" reels, I am finding it more difficult to locate these reels - Radio Shack is now up to 69¢ each! As a result, I have begun including an extra stamp, and asking for the return of the reel, and have had good success. The comments last issue by John Malicky ring true, and I agree with him. I, too, am not too particular what a station's ends, or what they say, in the way of a verification. Especially now, when so many stations do not bother to reply in any way, I am not going to be too choosy. The letter does not necessarily have to say the words "verify" or "confirm" to make it legitimate for me. Just a simple hand-written "Thanks for your letter ..." etc., to me shows the station got my report, looked at it, and responded to it! There are, I'm sure, many purists who would disagree with this, but I would not risk turning off a station to me and other future reporters by writing back to them and asking for another verification worded a certain way ... those days are gone. Of course, if they send only a bumper sticker or rate card with nothing written on it, I will wait awhile and send a follow-up, as if they didn't reply, or their response got lost in the mail. Unfortunately, the pp/c is a growing necessity these days in order to get verifications, but good or bad, an attractive pp/c that I have designed to me is preferable to a hand-scrawled verification on my original letter and sent back! I can only echo the advice of John Malicky -- even if it seems futile at times, just hang in there - ultimately, it IS rewarding! 73's.

G. HARLEY DELUVERRE - P. O. Box 10 - Hendricks, WV 26271 (pm 5-17; rec'd 5-20)  
(Karl's and Harley's letters were found after I had mailed the June column ... sorry, guys -pls) DX'ing is suffering a wee bit on account of my being busy both night and day. I hardly have time to breathe, but I am surviving. The morning of May 4 opened up in a strange way. I heard several new stations. One good example of the strangeness of the situation was heard on 1500 kHz. WTOP is the station usually heard here on that frequency. On May 4 there was no sign of it. Instead I heard simultaneously WDEB of Jamestown, TN, and WGIC of Xenia, OH. On 1230 was WXCF of Clifton Forge, VA, which I had never heard before. QO brought WKOM of Smithfield, VA. Anyway, it was an unusual morning to say the least bit. Recent "veries" have been received from KQJJ-1560, Iowa City, IA; WWRP-1490, Lewistown, PA; CJCL-1430, Toronto, ON; WJGM-940, Smithfield, VA; WMDG-1540, Wheaton, MD; WVKY-1270, Louisa, KY 41230-0890 (P. O. Box 890); and WDES-1500, Jamestown, TN (500 watts PSA). WDEB's chief engineer Günther Mühsemann sent me in addition to a nice letter a "WDEB COUNTRY FM STEREO 104 AM 1500" tee shirt. Yes, WDEB is my favorite station from Tennessee. Well, that's it for this round.

PAUL MOUNT - 471 Emerson Ave - Teanack, NJ 07666

It took a daytime trip 20 miles out of my way but I believe I've found the transmitting antenna of WJDM-1530, licensed to Elizabeth, NY. My contacts in Staten Island told me the tx was in Linden - somewhere. At first I thought of looking for tower lights at night on the east side of Linden near the Arthur Kill and S. I. Then Ernie Cooper mentioned seeing something on NJ Route 27 near the Elizabeth border. This clue led the Tower Hunter to a Foodtown shopping plaza, on the southeast side of St. George Ave, across the street from Roselle Park. At first I drove past it, but noticed WJDM slopping less, further down the street. Back at Foodtown, there is what's best described as a bare metal pole, with three wires around it (supports?) running almost straight down to the base, inside a fenced-off area next to a 15x8x8 foot shack. There's no visible feed from shack to tower, but a telephone line does run from an adjacent



(Mount, continued) wooden telephone pole to the shack. That factor, and that WJDM was appearing all over the dial, lead me to believe it is WJDM's site. The tower is said to be 100' high; it is unlit and unpainted. A sign on the fence gives the name of some lighting company. The same day I went to the open house of WDNA at their Randolph studios on Route 10. WDNA is affiliated with WMTR-1250, and had coverage maps showing WMTR's 5000 w, almost circular coverage area, and also WRAN-1510's 10,000 w highly directional coverage pattern. WMTR shows coverage to almost as far as WRAN in the directions (NNW + SSE) of NJ-1510's lobes. WDNA's studio is almost in the front yard of WRAN's studio and tower site. WRAN uses 4 guyed towers in approximately an E-W line. At night WRAN gets QRM'ed by Boston and Sherbrooke while a still in sight of the towers. So much for Cousin Bruce's boasting that he has the most powerful AM station in NJ. 73, and remember Axydlbaaxr is Longfellow. (On my typewriter, anything goes, hi -pls) FRM-NJ

JIM ROLLINS - 5582 Ascot CT, Apt. 121 - Alexandria, VA 22311 (pm 5-31; rec'd 6-3) I recently returned from a brief vacation trip to Topsail Beach, North Carolina. While there I started a daytime bandscan, but since I didn't complete it, I can't submit it to the column. Up to 1060 kHz, I ID'ed 11 Florida stations, including WIOD and WGES, Miami. Conversely, I ID'ed no stations from Virginia, including the most likely possible, WTAR. I don't know whether it's been reported, but WMBL-740, McRaehead City, NC, duplicates the Cable News Network and doesn't ID. My bandscan was done on a GE Superadio, monitored thru headphones. I own a Pelonar amplified antenna, but am wary of using it with the Superadio because an electronics engineer warned me of problems caused by tuning strong signals with it. I would appreciate comments on this. Question: Is there any significance to frequent use of the word "hi" in this magazine? (Yes ... it is the sound of laughter, from a snicker to a hearty har-har, as produced by a typewriter. It originated as a shortened form in Morse code and was used by hams. I use it because I am a ham in another form, hi -pls) 73's.

WAYNE HEINEN - Slaving away in Arapahoe County, CO - no phone; no hope! (pm 6-2; rec'd 6-4) Time to send another amusing anecdote to Paul. DX nil. I've been staying in Aurora working 56-hr weeks, split shifts, and you name it since mid-March. (What some auditors won't do for money, hi -pls) Last DX was in March on a non-descript Tues. am when I got St. Albert AB o/KNX-1070 for 30 minutes; solid copy. V/I already back. Only other news was KJET-1590 v/I. Totals around 960 verified. Colorado Assessment protest period June 1 to June 25 will keep me up here and very busy (everyone LOVES property taxes, right?) (You bet - they paid my salary for 12 years - pls) till then. My RBB-4 is broken down into 3 main pieces in my living room awaiting those few escapes when I manage to get home to work on it. The HQ-129X is in a new townhouse in Aurora awaiting time and the R-390A sits neglected on the desk. Must be summer. Plans call for a gala 3 days lending my support to NRC SWAT north of NYC yuk in CT, OK? Then on to some matta of Orchard Park to visit my folks, etc., to return to C. Springs mid to late September. LAST call for veri-signers; get yours in now for the summer f/up season (send them to 427 E. Caramillo - Colorado Springs, CO 80407 -pls) 73's and see you at the wacky, wonderful, Wizard Wing-ding.

GERRY THOMAS - P. O. Box 2036 - Pensacola, FL 32503 (pm 6-3; rec'd 6-8) I haven't mused in a while so I thought I'd take a few minutes to let you know what's happening in this part of the country. The response to the Hot Rod article has been very good ... thanks. If you are building one, change the windings to cover about 8" of the core instead of 12" ... band coverage is more consistent that way. Secondly, Allied informed me that they wouldn't be able to supply the Kwik Klips after all, so a permanent mounting scheme must be used instead. Right now, I'm sort of in the market for an inexpensive computer to handle some of my radio-related and other interests, but every time I make a decision about a unit, something new comes out and I change my mind. This has happened so many times that I'm afraid to invest in anything at the moment. Sinclair is supposed to be coming out with a color computer with 48K or RAM and a list price of \$199 (as well as an affordable disk drive), so I'm waiting for that. (The Commodore 64 can be had for \$200 in this area, Gerry, with the 1541 disc drive going for about \$370 -pls) I did, however, buy an Olivetti Praxis 35 typewriter to interface with the computer to provide hard copy (at \$299 from 47th St. Photo, NYC, I couldn't pass it up). So by this summer sometime I should be set up to put my logs on disk, type articles more easily, etc. Speaking of 47th St. Photo, they are now selling the Sony ICP-6500W for \$105! With the mureta filter modification, this has to be the best under-\$150 DX'ing rig of all time!! I also received a flyer from a firm called Markline the other day and in their catalog was a watch by Casio which translated foreign languages. It had over 1,700 Spanish words and numerous entries in German, French, etc. What will they think of next? (My favorite is the memo watch -pls) Finally, miracle of miracles, Popular Communications accepted my article on BCB DX'ing and will publish it in the September or October issue to "coincide with the start of the BCB DX season." Hopefully, it will stir up some interest. (Congratulations, Gerry -pls) This time of year, however, is my favorite for DX'ing the LA's. For some reason, a rare, quiet summer's evening can provide catches that just don't seem to happen during the fall and winter months. That's about it for now. 73's.

KIRK MELNISH - 4635 N. LaClaire - Chicago, IL 60630 (pm 6-1; rec'd 6-4) The Memorial Day weekend found me camping, and, of course, DX'ing at Peninsula State Park, in beautiful Door County, WI. Using a portable on battery power, we did pretty good - between the lightning sporadic! On Sat. 5-28 at 10:45pm WNDU-1190 South Bend came in loud and clear across the lake with 250 nits watts! At 11 pm CKLW-800 Windsor provided Top 40 mx, followed in quick succession by hometown faithfuls WGN-somewhat weak, WCFL-1000, WLS-890, and WBBM-780 all rather strong. At 11:15 WJAR-1220 Cleveland was in and out. After that, WLW Cincinnati, WISN-1130 Milwaukee, WKKE-1340 Milwaukee with 250w. Then fell asleep to WIAW-1140, in very strong and solid. Awake just before sunrise to hear HAK still in solid before eventual fade to hiss. Next was a trip to store for new batteries, hi! Sunday 5-29 at 10:45 pm CKSO-790 Sudbury in with more top 40 to better things off wrong: 11:05 WAVG-970 Louisville strong at x (??-pls), 11:09 CFYV-1050 Sault Ste. Marie; 11:10 KMOX-1120; 11:30 WMAW-1280 1000 nits, in weak and fading up and down, closed the night early at midnight with WEMP-1250 from the Beer City with exciting Big Band mx. Locally, Double Day has bought WNET-FM from Metromedia and has formatted 6 wks. of totally commercial-free "Rock-Radio" heaven. I could be the program director, it's so good. Now maybe they'll grab deceased WOPX-AM and give it a format. Take CPL, please! Winter never made it to Chicago, and now this meteorologist is still waiting for summer - send it here, Paul! (It hasn't arrive here yet - it's wool blanket time when it gets dark! -pls) Good DX/wx to all.

RADIO ROUNDUP

PETE KEMP - Bethel, CT (pm 6-5; rec'd 6-8) With the summer upon us many programming changes will surely occur. Own Spenn KOO's 20-year vet will be moving to WABC in New York and will remain with Talkradio ... Dick Clayton has surfaced again in Philadelphia, this time on WPEN ... Ted Turner is after a waiver from the FCC so that he can acquire the rights to WCNN-AM ... In Burlington, NC Falcon Communications has taken over WQRB-AM and will program adult contemporary music and UPI Audio network news ... WJAB in Bridgeport, CT has filed for protection under the bankruptcy laws so that it can reorganize its funds ... Alan Christian has returned to WOMB after a nine-year stint at WBAL ... KIRL, a gospel mx station in St. Louis, will go 24-hr on June 15 ... Tony Pepper, ex-WBZ-TV news anchor, is now on WRKO radio ... KQV in the Steel City has added a Sunday evening show titled "Personal Computer Talk" to their sked. A sign of the times ... WKOL and WXYL, both in the Albany NY area are airing the Golden Days of Radio series ... In the Pitt area this series may be found on WEDO and WTKV ... The Kansas City Kings will move from KCMO to KMBZ with the 93-94 season. KCMO will continue with a full roster of sports, including Univ. of Kansas basketball, KC Comets soccer, KC Chiefs football, and the KC Royals ... The Meredith Corp. has sold WOV in Omaha ... KUOM-AM, the 5,000-watt voice of the University of Minnesota is scheduled for termination. Public funding for their operations have been drastically reduced. Many groups on the sidelines would love to take over the frequency ... The FCC has agreed to modify its PM rules so that more than a 1,000 new stations could be licensed ... Sunshine Radio, a popular pirate radio station in Dublin, Ireland, was recently raided and shut off the air. There is a growing movement in Ireland to establish a 30-watt low-power local class of radio stations ... Bumper Morgan out as nighttime DJ at WNBC ... Ken Garland still with WIP-AM after 18 years; he just signed a contract for four more. Still remember him from WDRS days ... Had a nice chat with NRC member Paul Mount at a recent ham radio flea market. You never know where an NRC'er will show ... So much for now.

CARL W. DABELSTEIN - 8209 West 78th St. - Overland Park, KS 66204; (pm 6-6; rec'd 6-8) It's been quite a while since my last Muse so I thought I'd get in a brief report. DX since last muse have been: WLPQ-1600 Pittsburg, KY on 1-13 @ 6 s/on. 1-15 brought WSLK-1600 Hyden, KY s/on @ 6. On 1-20 I relogged KXOZ-1430 (ex KEOA) Ava, MO with 7 am s/on. 1-22 brought WATR-1000 in Huntsville, AL playing RR oldies @ 6 pm. The re-bt from KEAN-1280 Abilene, TX had poor @ 1:10 on 2-9. Another Abilene fc had the following morning from KBER-1560 @ 6:55. Call change WELY (ex WMAK)-1300 hrd 3-14 with ABC Contom. Nx @ 6:55 am. FC-tt from unkn WROX-1450 Clarksdale, MS hrd on 3-19 @ 5:35. 3-24 brought much-wanted KLEH-1290 Anamosa, IA s/on at 7. Final new logging was WSTL-1600 Eminence, KY s/on at 6 on 4-1. Most recent veries have been KENA, WPOK, WOMP, WJBB, WSLK, KXOZ, WLPQ, KXBB, WPKY, WTAJ, KLEH, WSTL, and KBBJ, all v/1's. Total veries now at 2,174. In looking back at the past season it seems to have been my worst in a long time. Only 41 new entries in my DX log, and several of those were call changes. This was due to a combination of generally poor conditions, non-identifying tasters, and more than usual travel in my job. As some of you know, I am a CFA working primarily in the area of public utility regulation. In connection therewith, during the last DX season I spent 2 weeks each in Fairbanks, Alaska; Austin, TX; Phoenix, and Indianapolis, working on rate cases. I also spent some three weeks in Hammond, IN. Hopefully, I'll be home more often next season. I hope everyone has a safe summer. I won't be attending the Labor Day convention - I spent the money going to the Indy 500 again this year. 73's and good DX.



ERIC BUENEMAN - 836 Lamplight Lane - Hazelwood, MO 63042 (314) 895-1436 (prepaid) (pm 6-6; rec'd 6-9) I would like to thank Mike Knitter for giving me the authority to take over the Bandscan column from Terry Klasek. Since 29 May 1983 I have done three columns for DX NEWS. I think typing the Bandscans is fun. Not only did the NRC find out about it, but the Amateur Radio community as well. My being chosen Bandscan editor (out of a pack of one) was announced on the Gateway 160 Meter Net on 1 June 1983. I hope to have many years as a Bandscan editor (I think). Recently I bought a new FM antenna, and best results come out in early morning and at ESS. Recent varies: Radio Roloj, CMBD/CKCD-760, WAIT-820, and CKLN-900. My cable company (Horizon Communications) recently added four services: KMLC, Channel 24, the Disney Channel, The Nashville Network, and the Satellite News Channel. I mainly watch SNC to keep informed, as it is my favorite service. WCEE, Channel 13 in Mt. Vernon, IL is now on the air. Before I sign off, a message to Terry Klasek and Roger Giannini: NO MAKING FUN OF ME OR THE ASWELC! Good DX to all.

GARY ATKINS - Route 9, Box 115 - Bramble Lane - Macon, GA 31211 (pm 6-6; rec'd 6-9) Since it has been awhile since my last Musing I thought I'd check in again. Hard to believe I've been living in Georgia for over a year now. Things are still going well and I like it down here more all the time. For those interested, please note the new address. I'm now living in a new mobile home than I purchased a few months ago and have it parked on a private lot rather than in a mobile home park. I hope the rural setting here is conducive to good DX, should I get the bug again. No real DX to speak of since I did a daytime bandscan upon my arrival here last May. Only observations so far are the stronger signals from Central America, which is to be expected, and the regular appearance last season of EJR-Jamaica on 580, my first reception of this country. Still undecided about attending the '83 convention even though I do have a vacation scheduled for that time. Paul, congratulations (I guess) on your new position as Musings editor. It is good to see this job fall into capable and dependable hands that this monumental task requires (Thanks, Gary-pls).

DANIEL BARTEK, JR. - 308 East 2nd St. - Wahoo, NE 68066 (402) 443-3179, no collect (pm 6-13; rec'd 6-15) No new DX here! Really got spoiled AM DX'ing in Rochester (Fairport), NY, this for 9+ years. Caught CBC-740 AM every Sun. and "Sunday Morning" news format program, (U. S. has nothing even close, - I've heard, seen 'em all, too! Then "Gillmore's Album" 12n-1:00 pm. Fall Winter "Royal Canadian Air Force"-comedy. Now I am listening to part of "Sunday Morning" on WOI Ames, IA PBS 640 - delayed broadcast (taped) - Not as great as "Straight Shot" direct broadcast, but still good. (No - I don't like to have to turn on SW receiver - too much like work, hii) I respectfully suggest that NRC'ers (who can) tune into R. Canada SW DX and R. Nederland "Media Network." Both have MW AM tips. Especially R. Nederland's reporters in Asia, Pacific, Africa, and (U. S. A.?) Use a tape recorder! R. Sweden has tips of AM MW, once in a while, too. Ask to be put on mailing lists. Addresses for stations are: Radio Canada English Language Dept. - P. O. Box 6000 - Montreal, QC Canada H3C 3A8. R. Sweden - English Language Dept. - P. O. Box 3-105 - Stockholm, Sweden. R. Netherlands English Language Dept. - P. O. Box 222 - 1200 JG - Hilversum, Holland. I've joined WTPDA - yes - (Some people are just masochists!) '73's (is post '83 by 10 years!)

#### MEMORABLE MEMORIES

GUY KUDLEMYER - 1314 City View #1 - Eugene, OR 97402 (pm 6-13; rec'd 6-15) I grew up in Los Angeles, and while I don't necessarily agree with Handy Newman, (except for "Look at these women, ain't nuthin like 'em nowhere.") I will admit I had some good times there. I used to run home from school, crank up the TV and watch my favorite program: Roy Rogers. (My Heroes Have Always Been Cowboys, and they still are, it seems...) Roy, Dale, and the gang (Pat Brady and Nellie Belle, Bullet and Trigger) were always special to me, so imagine my surprise when my parents informed me that we were going to spend the weekend at Roy Rogers' Apple Valley Inn, just N. of LA. I "shined up my boots, picked out my best hat" and made plans to ride fence with Roy Rogers all weekend. A stagecoach transported us from the parking lot to the main lobby, and while this all happened nearly 20 years ago, I remember it like it was yesterday: Inside the main lobby was a giant stuffed polar bear that Roy himself shot on a hunting trip in Alaska one time. It stood there, on its hind legs, right next to a large window in a corner of the lobby. Behind that window sat a disc jockey. Apple Valley is where the studios of KAVR are located. I was about 7 at the time, and I waved at the man. He put on a record, then came out and asked my parents if I could sit in the Control Room with him. I asked a bunch of dumb questions and watched him work. It was my first "station tour" and it was this event that sparked my interest in radio and DX'ing. I spent my weekend at the stables, in the gift shop, riding the stagecoach and touring the museum, but I always managed to make my way back to the window to peek at the DJ 2 or 3 times a day. (I even went on to meet Roy Rogers in person several years later at a home of his in Chatsworth). So even though KAVR is not audible here, (and believe me, I've tried!) I'll always have Roy Rogers, King of the cowboys to thank - not only for my childhood fantasies, but for my adult-life hobbies as well. Happy Trails!

HOWARD KEMP - 140 Court St. - Leconia, NH 03246 (pm 6-17; rec'd 6-21) (Additions since last writing are: WNWG - Rochester, NY - John Sward, CE; WFGM - Danville, VA - John Rejmer; CJAN - Asbestos, QU - Gilles Vachon; WMBE - Boston, MA - Grady Mantos, CE; WTPP - Natick, MA - Shirley Whitloy. Have a promise of a DX program from a much-wanted NH station. (ALL NH stations are much-wanted west of the Mississippi, hi-pls)

R. J. EDMONDS, WB2BJH - 751 Valley Road - Blue Bell, PA 19422 (pm 6-19; rec'd 6-22) Well, folks, as you can see by the above, my move has now become effective. I started living in the house 5-20, and the family has now moved in 2 weeks later. The location is about 350' above sea level, with no immediate horizon blockage. It is, however, only about 4-5 miles from KYW-1060 and whatever-it-is-this-month on 990 here at the site adjacent to KYW. WSHI-1540 and WFLN-900 are about 7 miles down, and no real problem. Nor is WJAR-1110 at about 5 miles. KYW will be the biggest problem. I've not yet set up my shack, and don't expect to for at least a few months as there's a lot of redecorating, etc., to be done first. I do plan to be at the Convention, and will probably organize some sort of an informal GTU in this area with Schmidt, Arey, Evans, and others whom I've not yet made contact with sometime in late Fall or early Winter. Anybody with any thoughts about operating an NRC h' sitz loop in the basement, please let me know your experiences, including such problems as steel girders, steel drainpipes, etc. How much is performance degraded? '73's.

DALLAS LANFORD - 903 Sherwood Drive - Ruston, LA 71270 (pm 6-17; rec'd 6-22) Arrival of the 310 veric more than a year after sending my reception report was almost as exciting as hearing them. Checking my log revealed that my reception of Lyndhurst (Melbourne) was equally good on the R-390A with 100' LW and the KC-150 with home-brew loop (which is equivalent to an SM-2). Nothing really exotic here. Any communications rx with reasonably good AM selectivity and a reasonably good antenna would probably have extracted 310. Both Australia and Fiji Islands were heard on 744 kHz during a two-week period around the end of March and beginning of April 1982. Other TP hets were noted, but none of the others reached audibility while I was listening to them. I intended to repeat my early morning DX'ing this spring, but unfortunately a heavier-than-normal work load interfered. A rainy spring which caused higher-than-normal static levels also discouraged DX'ing. Oh, well, maybe next spring. During my spring 1982 DX'ing it seemed that 120-meter band ex were a reasonably good (but not perfect) indicator of ECB ex. If no ECB stations are audible and you want relief from sitting on frequencies waiting for something to surface, you can amuse yourself with listening to some rare China, Indonesia, and New Guinea stations in the 120-meter band. In that regard, the NASWA Tropical Bands Guide 1983 is a good supplement to the WRTB. New equipment here includes two LS-166/U surplus speakers from Psir Radio Sales for \$10.95 each. The speakers include built-in audio transformers which match a 600-ohm audio line to the 8-ohm speakers, ideal for R-390A's. The enclosures are heavy gauge aluminum, and look nice when repainted. A schematic pasted inside of the rear cover facilitates any rewiring you may wish to do. The speakers come with 3-conductor cable terminated in a fancy plug, and a 2-position ceramic rotary switch (for mobile and vehicle use) which can serve as an ON/OFF switch. A long bolt in the top (for mounting) was removed and the hole plugged with a short bolt and cap nut. Audio response is rated 250-5000 Hz with within 1 db, and power handling is 2 watts max. The speakers work well with R-390A's. I added rubber equipment feet to prevent cabinet scratching as the speakers are moved around. Preliminary tests with headphones indicate that audio response is limited by the speakers, and that better audio range could be had with wide-range speakers (provided replacements of the proper size can be found). However, the reduced low-frequency response of these speakers is supposed to improve hearability. Best DX to all in the months ahead.

FREDERICK R. VOBBE - P. O. Box 387 - Almont, MI 48003 (pm 6-20; rec'd 6-23) I don't believe it! I made it thru another thunderstorm, while at work today at WJND-560, a thunderstorm came thru this area. Since WJND's towers are 110 feet tall, I was expecting to see my Harris MW-1A get clobbered, but nothing happened (thank God). I have been working a lot of extra hours at our sister station WJNC-FM and the satellite earth station so my DX'ing has been cut down to just the time I am driving between work and home. Caught some neat things on the Philco: CPPL-980 over the usual WONE-980; CPOS-560; WIS-560; CHLO-1570; WAKR-1590; WWR-1600 (over semi-local WAAM while in downtown Detroit); WKK-1420. Heard something interesting on 700 which was interesting. Some station was playing what sounded to be Gary Rock under WLV during a talk show, but I couldn't ID it due to the big 7 in Cincy. In reference to J. S. and B. K. P. on p. 3 ref: the 50' LW station on 700 in Breen, CO: All I have to say is that it is a shame what has happened to the FCC. I have to believe that there is no one with any brains left in that bureau looking over applications. I just hope that their ignorance doesn't ruin the AM band so that all the DX'ers have is 106 graveyard frequencies, with a mass of beat notes!, and the public loses out on local radio. I fear the same will go for the PM band if the FCC adopts the 80/90 rule. Perhaps the FCC should look into how the IBA engineers stations in England. Got a BIG QUESTION for all you professional DX'ers that I need answered. Please write as I need your advice, since I don't get to compare radios. I am not really happy with my



38 (Robbe, continued) DX-160 on the AM band. I would like to get something better. What do you think is better, the Yaesu FRG or the Panasonic RF series radios? I want something with good sensitivity, selectivity, and would prefer a digital readout. (I use a 2-foot loop or a 75-foot longwire antenna.) I want to be able to DX with it with good results. Any other brand/model work better? You guys that have tried them out, please write! I trust opinions from veteran DX'ers vs ads in the magazines. I would like to get one around July/August. If everything goes OK I hope to see some of you at the Hartford. This week I start recording for "American Bandscan". Anyone who collects jingles or airchecks please get in touch. 73's to all. DX till your kilohertz. (You might consider the boat anchors, R-390's, R-388's, and HC-180's, as well as newer equipment -pls)

•A REQUEST FOR YOUR ASSISTANCE•

TONY FITZGERBERT - 356 Jackson Avenue - Fairfield, CT 06432 (pm 6-20; rec'd 6-23)  
Hi, everyone! I'm looking forward to seeing you up at the convention over Labor Day, as I'll be up for the Banquet. DX is dead here - I got little time as I've been very busy at Metro North. Veritas are back from CKX-920, noting that my report was the first ever from CT, plus WHID-1340, and WSHN-1540. No DX to Dave Schmidt as nothing has shown up! Now we are planning a vacation trip to Niagara Falls and Central New York, with a possible side trip to Toronto to see the new commuter rail and subway extensions - I hope that a couple of shopping malls are around to let the family shop as I need for a few Toronto radio stations - who knows - perhaps a couple of station profiles will evolve! Speaking of Station profiles - as "Editor", I am asking for your help. I know that one member could put together a really great profile on KCEB. Another member is, I know, qualified to write up WPHB-1260. A third member can put together a great profile on WHWH-1350. And another member could write up WBAB-WNYG-1440. So, please get creative! Oh, yes - I forgot ... WCRB-1520 ... so help your club by getting your profiles in to the Fairfield office. One other request - I'd like to put together profiles on the following stations - KPAX-1100, KJR-950, KOL (KMP3)-1340, KZOK-1590, KXA-770, KBLE-1050, and KABL-960. Anyone with any recollections on technical knowledge, a station history, format information, or human interest - please write! Also, studio and tower location, and information is needed. Gentlemen (and ladies), I thank you very much! I look forward to hearing from you with your information and profiles - you need not be a professional writer - I will dress the contributions up and credit you for your contributions. Thanks, greatly!!

SKIP AREY - P. O. Box 421 - Mount Holly, NJ 08060 WB20HA (pm 6-21; rec'd 6-25)  
Good Morning Campers! Trf. Check! Domestic Log. Check! Assorted electronics. Check! Anti-personnel mines. Check! Radiation and CBW suits. Check! Beer stein. Check! WSRD T-Shirt. Check! Back-up intoxication kit. Check! Well, gang, it looks like REDI KILLOWATT and I are ready for another season of conventions. By the time this hits print I imagine that ANARC will be a glimmer in my eye (not to mention a hangover in my head). But the big one is on the way. NRC 83. Hey Ron, REDI wants to know what a POQUONOCK is and does it taste good cooked in melted butter? Additions to the hardware here are a Suntronics keyboard for my ZX-81 Computer. I have also acquired a pair of old band Marine Radio-telephones that have CB on them. I have not look inside them yet but if the circuit is of interest I will pass the info along as these radios are literally being given away since the boosters have gone up to VHF. Many thanks to Jerry Starr for the T-shirts and the Mike and Sue for the almost endless stream of NRC propaganda for the ANARC convention. Nothing really new in the log due to atmospherics and laziness. Back to work. 3TP7's. Check! Hitchhikers Guide to the Galaxy. Check! Captain Midnight Decoder Ring. Check! Autographed picture of Cousin Bruce. Check! ..... And so it goes. Good Night Poquonock; sleep while you can! Skip & REDI.

BOB SMOLAREK - Rd #1, Box 63 - Whitehouse Station, NJ 08889 (pm 6-22; rec'd 6-25)  
On the weekend of June 11, I and my family took a trip to Boston to see the Red Sox and my favorite player, Carl Yastrzemski, before he retires. After the game it was DX time. We got a motel in Swampscott, MA, right on the ocean. On PM, I was surprised at how strong stations from the Providence area came in, while stations from the north and Worcester didn't fare as well. Every FM station had a music format. On AM, WBZ's signal was overwhelming. WIDD had a live remote broadcast from a van right outside Fenway Park, playing music. At night WRKO had a call-in show about the technical side of radio, mentioning their pattern and two lobes, and how difficult it is to get them west of Boston after sunset. They also talked about DX'ers and veritas. The New York City powerhouses came in well at night; CPGO ruled 1440 not heard in NJ by me. WLIM-1580 now broadcasting at night with "Long Island Music". WQQW-1590 strong in MA as it is in NJ. I am interested in sharing a room at the convention in Hartford. If anyone is interested in sharing a room drop a letter to me and maybe we can work something out.

PLEASE USE YOUR LOCAL TIME FROM NOW ON, INSTEAD OF EST OR UTC, UNLESS YOU HAVE GOOD REASON TO DO OTHERWISE. NEXT DEADLINE FOR MUSINGS: AUGUST 15 IN SUN VALLEY. SEE YOU AT ENFIELD? I HOPE SO, IF I CAN GET THE \$\$\$ AND TIME OFF FROM WORK.

93 MPAL A. FERDUF - Route 1, Box 154 - Falkville, AL 35622 (pm 6-13; rec'd 6-16) 39  
Greetings from Static City. Wow! 3-4 solid weeks of it, and if a storm is gonna pop up, it will do it at sunset. Another Murphy's Law, I suppose. My favorite, after 12 years of SW antenna experimentation, is that when erecting a wire antenna if there is anything in sight that the wire can snag on, it WILL. (Including tall cows, Kenel, hill -pls) I decided that to use a beautiful DX-getter like the R-390A on just one band is a waste, so am back into SW on a spare-time basis with RCB. // HELP WANTED: Am looking for a mail order record shop in Cajun Country (LA/TX) for authentic Cajun ex cassettes. An especially interested in Mark Savoy, Jimmie C. Newman ("FOLK SONGS OF THE BAYOU"), and Doug Kershaw. // The few recent BCB logs went to DDZD. The only thing to add is tonight's SSS reception of 1165 Antigua at excellent level with EE REL. A big tnx to Dallas Lankford for all his help with my many R-390A technical questions. He is one fine gent. (Ditto my feelings -pls) Also a big tnx to (name deleted -pls) for never answering any of the 3 letters I've sent him in the past couple of years. // No way for me to make it to Hartford - too far and too expensive. Maybe we'll have another convx down this way some year soon. Maybe Jeter and/or Hutton will host one next year in Atlanta? (Don't throw rocks this way, fellows, you'll never reach Falkville with them.) Mike and Sue, tnx for a fine job on the state/city list. Even tho my DX table is crowded, I'm looking fwd to the next P4 x 11" DOM LOG, but I think a comb rather than 3 punched holes would hold up better to extensive ussge. // One of the biggest SW clubs is being almost torn apart by bickering between editors APPEARING IN THE BULLETIN. Mike, Paul, let's not let it happen here. Liquid Paper is a great invention. Use it when needed. You're editors. Editi ((Neal, since you brought up the subject ... note that I deleted the name of an NRC member to whom you directed a personal, nasty comment. As I stated in the first column which I edited, I will not permit personal barbs to be printed in this column, but that controversial comments aimed at groups are welcome. I feel that when we NRC'ers cannot tell the difference between mature and immature comments, personal and issue-oriented opinions, that we will degenerate into the same problems that you describe above. Very few problems were ever solved by burying them, and I believe strongly in airing them in the public view of the membership, but not at the expense of individual integrity, even if the problem is largely caused through personal statements. I alienated at least one very knowledgeable NRC member because I returned part of his Musings (aimed at an individual, not at an issue, in spite of his claim to the contrary) to him and insisted that he rewrite it before I printed it. My impression was that he would never again send me a Musings, thus depriving the membership of some very high-quality information. The point that Mike and I have been trying to make is that DX NEWS is more than just an incidental hobby publication; we are trying to make it just as "professional" as we can, and personal barbs have no place in this publication. Write directly to the person in question if you have the intestinal fortitude ... and make our editing job a little easier. Comments, Mike? Beside you all the way, Paul...now where did I lay my helmet, hi. // Several BCB rules-changes came of worms will have to be opened soon by the Administration, Congress, and the FCC. I try to remain optimistic about the outcome, but I sense an ill wind blowing our way. If anyone in D. C. is in close contact with those happenings, PLEASE keep us posted. As for the ill wind, I guess the best we can hope for is that it will just be a breeze and not a hurricane. 73. (Neal, thanks for letting me have my say in the middle of your Muse -pls)

TOM FARMERIE - 62 Sunrise Ave. - Grafton MA 01519 (617) 839-5143 (pm 6-16; rec'd 6-21)  
First off, the 50th Anniversary Book project is on schedule and the book looks to be available in time for Enfield, thanks to our hard-working staff. Secondly, I am one of the growing number of members TIRED of the FM whining. Historically, the NRC has had times of including other bands, e. g. Amateur Band in the 30's, Shortwave Broadcast in the 30's and early 40's, Long and Shortwave Utility stations in the 50's, TV in the 50's. All of these disappeared sooner or later. Actually, in the late 30's BCB DX coverage was occupying only about 1/3rd of the bulletin space, sharing it with SWBC and Anatour columns, and it seems that the BCB DX coverage suffered in the back seat during those years. Now ... I quote from a 7-12-52 issue of DX NEWS, the Board of Directors News Release (NRC had a BOD up until around 1960 -pls): "...information of NRC members DX'ing on the ... FM ... and ... TV ... bands shall be accepted and published in ... DX NEWS ..." Voting "NO" was one E. Cooper. Surprise? I bring this up purely as an example of NRC historical precedent, for history does indeed repeat itself, and those who do not learn from it are doomed to repeat the mistakes of the past. I do, however, think Longwave BROADCAST DX is a serious bid for the TA DX'er, and that "Top End" is a vanguard opportunity to become familiar with the propagation characteristics of what looks to be an eventual part of an extended 540-1800 kHz BCB. Otherwise, let us not ever dilute the focus of this great club; I can cite dozens of multi-band clubs that are long ago gone to the Sargasso Sea of DX clubs. See you all in Enfield. Flameproof clothing looks like a wise choice, judging from the advance notices by NRC SWAT. (Yeh, and good insurance. Tnx, we are all permitted a change of mind now and then. Personally, I would rather see NRC's focus devoted to the BCB, with the cutoff low/high frequencies arbitrary and dependent upon propagation characteristics similar to the BCB. Although I would hate to see FM taken away from the WTTDA, which is doing a fine job, the time may be here for an FM-only broadcast club/publication. The question is: When does the rhetoric stop and the action begin? Let's see some leadership, now -pls)



PAUL SWEARINGEN - 7310 Ensign Ave. - Sun Valley, CA 91353

I'm typing this just a few hours prior to departing for the FRCA convention in tandem with John Clements. Many of you will recognize my new address as being actually John's, and through his generosity I will be occupying a room in his house in north EA while attending USC this fall. I plan to complete a second masters degree, in Journalism, to make myself more attractive (?) on the job market for college teachers. I'll also be working at Montgomery Wards at the same time, peddling radios, TV's, computers, stereos, etc. I sincerely hope that this month's column is the last to come through this typewriter, as I plan to typeset the next column on a computer so that future columns will be more legible and readable. I didn't mean to get on the soapbox in the middle of Neal Perdue's muse - and I hope that Neal realizes that my remarks were not aimed at him only - but I think that I need to make it clear that I feel that this column should be edited, not just typed, so that the feelings of individuals are not unnecessarily brutalized. My experience with club members has convinced me that many of them are quite sensitive and don't need to be criticized personally, although their ideas, theories, and opinions are open to question. I try to make it a practice to return a muse (or offensive portions) if I have a question as to its suitability for publication, for revision by the author, although I don't hesitate to delete names or a few words without checking with the author first. That is still the function of an editor. And when I start using a computer, NRC members should notice fewer typos. Now ... if anyone would like to comment, either in a private comment to me or in one meant for publication, please feel free. I don't walk on water!

# WFAA-AM to drop news-talk format

By Michael Weiss  
Staff Writer of The News

WFAA-AM will drop its news-talk format Saturday, replacing it with classic rock 'n' roll. Martin Greenberg, vice president-radio for Belo Broadcasting Corp., announced Thursday.

Thirty-five people, mostly those on the air, will lose their jobs in the programming switch, Greenberg said. News staffing will drop from about 14 people to three or four, he said.

The station began the news-talk format in 1976, but during recent years, WFAA failed to show ratings improvement, ranking 15th of 27 stations measured by the Arbitron ratings service in the most recent figures available. Because of the low ratings and the relatively high cost of the news-talk format, the station has been unprofitable, Greenberg said.

The switch to "good-time rock 'n' roll" will take place at 6 a.m. Saturday, he said.

The station will carry five-minute newscasts twice an hour, all day, as well as regular traffic and

sports reports, he said.

Greenberg said the decision to switch was made after Sansui and Sony announced last spring that they will begin selling a portable Walkman-type receiver capable of receiving AM stereo. The units are due on the market in the fall at a cost less than \$100.

Conventional receivers cannot pick up the signal.

Stereo AM equipment, costing about \$10,000, has been in operation at WFAA for about two weeks, Greenberg said.

The station will carry music drawn mainly from 1964 to 1975, with some older classics also included, he said. "You will not hear new wave and today's current hits," Greenberg said.

WFAA, broadcasting with 5,000 watts, will be the third Dallas-area station with an older-type format. KXKK and KAAM carry similar programming, with KAAM also scheduled to switch to AM stereo at 7:30 a.m. Friday.

Citing declining AM listenership nationwide, the 2,100-station National Radio Broadcasters Association has been promoting the



Martin Greenberg... "You will not hear new wave and today's current hits."

switch to stereo "to recapture some of the younger people who are going to listen to stereo no matter what," spokesman Joe Tierman said.

Greenberg said WFAA will target people 30 to 40 years old and will complement the 18- to 34-year-old audience served by its sister station, KZZZ.

WFAA will have a new on-the-air staff in place within six weeks, Greenberg said.

This did not take place.

I work for Belo Broadcasting's WFAA-TV. Obviously I've had frequent contact with many of those affected by the changes at WFAA-570. Even though I fully understand and support the decision by management to undertake something new, I do have compassion for those who are on the outside looking in because of the change.

WFAA-570 will be known as "5-7-0 Stereo" on the air. The antenna system was recently "broadbanded" and WFAA-570 operated for two weeks in stereo while the talk format was still in place. WFAA-570 has chosen the Motorola AM Stereo system. The new format features "Good Time Rock 'N' Roll" with hits from the 60's and 70's. There is the possibility of a call letter change in the future.

By the way, one other Dallas area station will soon be in stereo. It's Oldies formatted KAAM-1310, which expects to be in stereo using the Kahn system in mid-July.

Thank you,  
Wally Nawro



Your bids go to the Address at the right and NOT TO HRC HQ. Orders for direct sale items and for All bids should be sent to:

47 PROSPECT PLACE  
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This page brought to you as a Public Service of the NRC

NEW ADDRESS: Please take note that our new address is: 47 Prospect Place, Bristol, CT. 06010 USA...The name remains the same...San Barto. HI!

HAP DIRECT SALE ITEMS: The following stickers/decals are \$.25 each or any 5 for \$1.00. New since last issue...MWB, BNC Radio Merseyside. We also have Polskie Radio (blue), (gray), (brown), (green), Swansea Sound, Radio Sweden, Metro Radio, Radio Deejay, PCH, Capital Radio, 6WF, BDXC, Radio Nacional de Espana, Radio Budapest, WNET, WRCK, NYSL, KDDF, KBOI, WQMF, NGCI, KGS, KYTD, KROY, KHIF, WINS, KVET, WPLJ (Dopors) (Stones) (AC/DC), (Who) (Rock n' Roll), WLUP, WDET (small), (large), WNET (mini), WLPX, KLDN, WNSW, WCFL (large) (small), KCOL, WLRN, WGLL, KLDL, KLRZ, HLLZ, NEZZ, WPLR, WMR, WIRE, KOKE, KPMW, KDKD, NGLB, WMPK, KJR, CKLG, KOMS (black), (yellow), CKNH, CFAX, K11X and KOLD...The following are available for \$.50 each: Radio 210, 7EX, Radio 104, RNE (soccer) 4X0, Radio Avon, Radio Caroline and Deutsche Welle...As you may notice we are a bit low on stickers. We sure could use them in quantities (at least 6 or more from the same station.) The following items are also available at the quoted prices: WME 2 tone brown large plastic litter bags at \$.50; WPEZ or KBOI paper caps at \$.50; WMPF or Disco-99 iron on T-shirt decals at \$.25 each; WPLJ plastic ID cards at \$.25 each; WMON ice scraper at \$.50; WMR very large book cover at \$.25; CBC Southwest Ontario plastic litter bag at \$.50; London Music Radio and European Music Radio paper banners at \$.25 each; Radio For-estland balloons at \$.50 each; metal station badges from WLPX, WMR, WNET, CFTR (Blues Brothers), WLUP and Radio City-199 at \$.25 each; KIVI plastic litter bag at \$.50; also Radio London, Radio Caroline, Radio Nord, Radio West, Voice of Syncom, Radio Duomo (car) (woman) and Radio Fil Rose BMW mini-posters at \$.25 each...Hope there is something here you like!

HAP BID ITEMS: ITEM #580: Radio Kelly (Italy) sticker (3.5x6") gold, black-sharp; #581: Radio Mont Blanc (France) sticker (2.5x5") blue, white, yellow; #582: Radio Evangile (Monaco) sticker (2x2") red, white; #583: Devon County Radio (UK) decal (3x9") blue, white, red; #584: Devon County Radio decal (3x4") blue, white, red; #585: Radio Nottingham (UK) sample QSL card (3.5x5.5") m/c; #586: Radio Clyde (Scotland) sample QSL card (4x6") BMW; #587: H-TV LTD. (UK) decal (1.5x14") blue, white-very nice; #588: H-TV LTD. key chain, blue, white; #589: Devon County Radio station pen, black, blue, red-nice; #590: MARYTEX (Swedish Marine) ship sticker, 2 different, BMW; #591: SAG Goteborg Radio (Sweden) sticker (4"x9") gold, BMW-sharp; #592: BBC Radio, Shetland (Shetland Islands) sticker (3.5"x9") green, white; #593: WJHX sticker (4x9") m/c; #594: Radio New Zealand mini-paper pennant (2.5x6") .#595: KMJK decal (3x12") m/c; #596: Radio Time (Italy) sticker (2x6.5") red, white; #597: Public Radio (USA) sticker (4x3.5") black, green; #598: Deutsche Welle (Germany) sticker (4x4.5") red, white, blue; #599: ABC (Papua) paper pennant (3x6") yellow, brown; #600: Radio Tees (UK) decal (2x18.5") m/c-nice; #601: KTXQ Texas Best Rock metal badge (1.5c) m/c; #602: Radio Clyde station pen, red, white; #603: Trans World Radio decal (3x6") blue, gray, white; #604: IXX (New Zealand) balloon, m/c; #605: Radio Jukebox (Italy) sticker m/c-very nice; #606: 2GB (Australia) balloon; #607: Radio Caroline (UK) paper banner (2.5x17") blue, white; #608: 3TR (Australia) Victoria Football League sticker (2.5x15.5") BMW; #609: Radio Hallam (UK) decal (2x13") m/c-sharp; #610: RAE (Argentina) paper pennant (4x8") m/c-nice; #611: HRVC La Voz Evangelica (Honduras) "22nd Anniversary" cloth pennant (6x10.5") blue, BMW-beautiful; #612: BBC Radio Orkney (Orkney Islands) sticker (3.5"x9") red, white-rare; #613: RBI (DOR) large plastic litter bag, m/c; #614: BRMB Radio (UK) "Turned On" metal badge, BMW; #615: BRMB Radio sticker, red, BMW-nice; #616: WBCN sticker (4x9") blue, BMW; #617: BBC Radio Oxford station pen, blue, white; #618: BBC Radio Oxford sticker (4x8") m/c; #619: 2CH (Australia) sticker (2x9") m/c-nice; #620: FLA (Australia) "I Love Lonny" heart shaped sticker, red, white; #621: Radio Korea sticker (3.5x5") m/c-beautiful; #622: Radio Atlantida (Peru) key chain, m/c-really beautiful; #623: Radio Atlantida triangular sticker, m/c-beauty; #624: Radio Atlantida post card with station seal, m/c; #625: BBC Radio Medway (UK) station pen, black, yellow; #626: BBC Radio Medway station pen, blue, silver; #627: BBC Radio Medway sticker (2x8.5") red, white; #628: BBC Radio Medway heavy duty plastic coaster (4"x9")-nice; #629: BBC Radio Cleveland (UK) plastic badge (2"x9") red, white, blue; #630: BBC Radio Cleveland decal (4.5"x9") red, white, blue; #631: BBC Radio Cleveland station pen, red, white, blue; #632: WB15 "Money" metal badge (1.5"x9") red, white, blue; #633: Radio Japan 3 different QSL cards (4x6") m/c-very nice; #634: BBC Radio Merseyside (UK) decal (4x5") m/c; #635: CREDEX (Spain) sticker (2.5x4.5") BMW; #636: DXC-1983 m/c poster (12x17") very nice looking; #637: Saxon Radio (UK) decal (2.5x15") red, white-nice; #638: Peter Flowers Radio (Italy) sticker (1.5x13.5") m/c; #639: BBC Radio Bristol (UK) cloth arm badge (3"x9") red, white-beautiful; #640: BBC Radio Bristol sewing kit with thread, red, white-we get just about everything; #641: BBC Radio Bristol decal (5"x9") red, white; #642: BBC Radio Leeds-388 (UK) sticker (3.5x5") m/c; #643: BBC Radio Leeds-92.4 decal (3.5x5") m/c; #644: BBC Radio Leeds-92.4 sticker (3.5x5") m/c; #645: Amica Radio (Italy) sticker (1.5x2.5") m/c-nice; #646: Radio Citta Di Corsico (Italy) sticker (4x8.5") red, white; #647: Red Rose Radio (UK) decal (5x5") m/c-beauty; #648: Radio Nacional de Espana (Spain) cloth pennant (5x8") m/c; #649: Deutsche Welle cloth pennant (6x13") blue, white; #650: Radio Sweden paper pennant (4x9") blue, yellow; #651: AWR Radio (India) (4x10") blue, yellow, white; #652: RFI (France) cloth pennant (4x8.5") blue, white; #653: Radio New Zealand paper pennant (3.5x8") #654: Radio Prague (Czechoslovakia) cloth book marker "Woman with Flowers" (2.5x8") m/c-very nice; #655: Radio Prague cloth book marker "Building" (2.5x10") gold, BMW; #656: BRI (Belgium) cloth pennant (5.5x10.5") black, red, yellow; #657: Radio Peking (China) cloth pennant "Girl with Building" m/c-very beautiful!....Is there anything here for you?

NOTE: Please make sure that you use our new address...once again...San Barto, 47 Prospect Place, Bristol, Conn. USA 06010.....See you next month...San.



# 42 Houston station offers 24-hr Fab Four fix

Broadcaster hoping ratings will come together with Beatles format

By Michael Weiss  
Staff Writer of The News

**F**ASTER than you can say, "I want to hold your hand," Houston broadcaster Roy Henderson will urge you to "press your Beatles button to get your Beatles fix."

That's no double talk, either.

## BROADCASTING

Since May 9, Henderson's KYST-AM has been the nation's first all-Beatle radio station, featuring *Hey Jude*, *Come Together*, *Beatle trivia* and some songs by members of the Fab Four that are, at best, obscure.

"All we are trying to do is provide a Beatles fix to the listeners of Houston," said Henderson, whose station previously carried a Top 40 format and can be heard in Dallas some nights at 920 on the AM dial.

Some broadcasters, skeptical of the effort, characterize it as little more than a publicity stunt. "It sounds like a special program that has no ending," said Jeff Trumper, vice president and general manager of KSRR-FM, a Houston rock station.

The publicity hasn't hurt, said Henderson, whose exploits have been chronicled by Houston television stations, British Broadcasting Corp. and trade publications.

"Our ratings dwindled and I consulting stations there, is 'feeling great that the thing has taken off as it has,'" said Conrad Wiggo, business manager of Todd Wallace and Associates.

"I think he has a very good sense, a feel for what people like," Wiggo said of his boss.

The theory behind KYST, which advertises itself as "KUEL" and "Beatle radio No. 9," is that listeners 18 to 44 years old equate the Beatles with the "best part of their lives."

"Some of these songs have been around for 20 years and they haven't gotten old and stale," Henderson said.

needed to get a shocker to get the attention of our audience," Henderson said.

After the 5,000-watt, 24-hour station failed to register in the ratings, Henderson decided to switch from the pop format he had installed less than a year earlier.

Radio consultant Todd Wallace of Phoenix, Ariz., who as a Houston-area radio personality in the 1960s set a record for living on top of the Astrodome, was retained. Henderson said.

"He (Wallace) has been developing this format since 1976," Henderson said. "The market was ripe for it."

Wallace, who is in New Zealand

KYST has a playlist of slightly more than 500 songs. The object is to get listeners in the target age group to tune in for 10 to 15 minutes, two or three times daily. Henderson figures that would put the station in the Houston top 10.

"We've struck a nerve here in Houston," he said.

If nothing else, KYST is unique. No other broadcaster has attempted to build a format around a single act, said Joe Tierman, a spokesman with the National Radio Broadcasters Association. Only a Washington-area station with an all-comedy format comes close to KYST's programming effort.

"I would think that it would be a hard format to continue for any length of time," Tierman said. "You're only talking about 10 years of material."

Besides, interest in the Beatles may be passing, said Jay Hoker, vice president and general manager of KXSY-FM in Dallas.

"The Beatles have been kind of burned out," Hoker said. "We have discovered that in our focus groups. People have grown tired of it (Beatles music)."

Few people are likely to stick with the station, said Hugh O'Brien, senior vice president and director of media services at Botsell & JacobsSouthwest.

"I don't think it would have that high a listener loyalty," he said.

In buying ad time, O'Brien said he would look at the type of audience KYST delivered. "It would be like buying a golden-oldies format," he said.

Henderson said he was told by Wallace to expect the all-Beatles format to attract an audience for about two years.

"We are going to be doing all-Beatle, all the time as long as people in Houston want to have it," Henderson said.

But he observed that listener preferences can shift rapidly. "The winds of change are almost constant in this market," he said.

When that happens, Henderson said, he has a contingency plan. He won't reveal the details except to say, "The Beatles are one of the most popular groups in musical history."

531-33 DALLAS MORNING NEWS  
VIA WALLY WALWOLD

## Radio Industry Wary Of Call Letter Reforms

In comments to the FCC, numerous broadcast groups have questioned the wisdom of the proposed overhaul of the Commission's call letter rules (R&R 4-15). Broadcasters unanimously opposed having courts, rather than the FCC, referee call sign disputes.

There was also widespread criticism of the FCC proposal to let group owners use the same call letters for widely separated stations. And others predicted ratings chaos if the Commission allows dropped call signs to be picked up immediately by another station in the same market. Now there's a 180-day waiting period.

Asserting that "a radio station's call letters are its fingerprint," Arbitron said ending the 180-day period would "undermine the reliability of ratings, disrupting the marketplace."

Ted Dorf, WDAY/Washington President and Chairman/Arbitron Advisory Committee, warned that the change "will create havoc and could conceivably destroy the ability of Arbitron to measure radio audiences." Susquehanna Broadcasting said "audiences could very well be credited to the wrong station to its benefit, and to the detriment of the station relinquishing the call letters."

Arbitron and the Advisory Council also strongly opposed letting community-owned stations in non-adjointing communities use the same calls. The Council said if a group with stations in Detroit, Lansing, and Grand Rapids called each one WZZZ, "There would be no way for rating services and therefore for local advertisers in each of these markets to distinguish which of the three stations was being listened to in each market."

However, the proposal was supported by Cosmos Broadcasting, which believes no confusion would result. NAB, ABC, and NRBA also backed the reform.

### Courts Too Slow, Costly

Cox Broadcasting said throwing call sign disputes into local courts "would impose enormous costs on the broadcast industry." Susquehanna pointed out that "the public would suffer" while the disputed call sign was used throughout a lengthy court battle.

Group W cautioned that "the decisions from myriad local courts will not approach the consistency, speediness, and evenhandedness of those decisions reached by the Commission." Noting that judges would only be concerned with the needs of the private parties in the dispute, Group W asked, "Who would represent the public interest in such a proceeding?"

In its comments, NAB asserted that "what broadcasters spend on litigation they cannot spend on providing programming responsive to the needs of their communities."

There was disagreement on the FCC's proposal to drop the requirement that stations changing calls notify all other stations within 15 miles. ABC agreed with the Commission, but CBS and NRBA said the rule should be kept so stations can easily learn of proposed call sign changes that might affect them.

# ENFIELD, CONNECTICUT NRC

## 50<sup>th</sup> ANNIVERSARY CONVENTION



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PLEASE be advised that this form will appear once more in the JULY issue of DX NEWS as the August issue masthead date is past my cut-off dates so file now!

The hotel has an indoor and outdoor pool (open 10 to 10), lighted outdoor tennis courts, paddletennis, volleyball, shuffleboard, saunas, and a whirlpool. There is plenty here for you active types, hi.

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Riverside Amusement park is minutes away as well as the Mount Tom Alpine Slide for the "daredevil" types in the group.

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## NATIONAL RADIO CLUB 50TH ANNIVERSARY COMMEMORATIVE BOOK

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