



# DX NEWS

*the magazine of the  
National Radio Club*  
SINCE 1933

VOLUME 51

ISSUE 22

MARCH 12, 1984

A quiet time here at HQ at the moment. Those who have ordered the Nighttime Pattern Book Updater, they are all in the mail now and you should have them within a few days, if you don't already have them.

Per the words of Dick Truax, "1180, WWJN, Newburg, IN is now on the air, according to their broadcast of Sunday (March 4th), they said they would be on the air 'officially' at noon on the 5th. Dick thinks they are 500 watts ND."

Now a little public service message from ANARC via us to you:

ANARC  
 Association of  
 North American Radio Clubs

## 20<sup>th</sup> ANNIVERSARY

1964-1984

Special ANARC Broadcast coming in April The Association of North American Radio Clubs (ANARC) is celebrating twenty years of service to the radio listening hobby. And to celebrate, ANARC is giving away the presents! Two special broadcasts over Radio Canada's SWL Digest Program on the 2nd and 3rd weekends in April will take a look back at what ANARC has done since 1964. And you'll see what the future holds, too. To make it even better, ANARC has produced a special QSL card for those sending in correct reception reports of the two broadcasts. It's ANARC's way of saying thanks for helping celebrate this milestone -- and you'll enjoy displaying this attractive card in your listening post. It's easy, but you have to listen to the SWL Digest for the information necessary to send in your report. The cost will be just 60 cents in US Mint Stamps, 70 cents in Canadian Mint Stamps, or 3 IRCs. You can hear the SWL Digest on the African, European, North American & Caribbean services on Saturday - 2130 UTC on 21695, 17875, 17820, 15325, 15150, & 11945 KHz; Sunday - 1900 UTC on 21695, 17875, 15325, 7285, & 5955 KHz; 0000 UTC (GMT Monday) on 11850 & 9755 KHz; & 0300 UTC (GMT Monday) on 9755 & 5960 KHz.

For sale: HQ-180A Receiver in very good condition. Speaker & manual included. Asking \$275.00 Bob Mielcarek, 3131 S. New York, Milwaukee, WI 53207 or call: 414-481-6755.

For sale: Palomar Loop Antenna, Amp., LW, MW Loops, \$100.00 Firm. Contact Joe Coleman, 157 Walton, Lansdowne, PA 19050 Tele: 215-626-3376

### LOOK INSIDE:

- |                |                                |                      |
|----------------|--------------------------------|----------------------|
| 2....AM Switch | 8....BBA-1 Broadband Amplifier | 21....Sports Network |
| 3....DDXD      | 14....BBA-1 Construction       | 22....Formats        |
| 6....IDXD      | 16....Using the BBA-1          | 23....AM Stereo Stns |
| 7....Top End   | 17....MUSINGS                  | 24....NRC Facts      |

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



## AM SWITCH

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

## CALL LETTER CHANGES

Old call:	New call:	Along with the new call letter regulations has come a new call letter action in which calls that have been applied for can be set aside. In other words, if a station applied for a set of calls then has second thoughts, they can notify the commission that the call can be "set aside" or, in other words, put back into the inventory of unused calls OR transferred to another station owned by the same applicant. WRC in Washington, DC had applied for WRRC, then had a change of heart and filed that this
550 KSD MO St. Louis	KUSA	
1180 *New KY Florence	WFKB	
1230 KBZB AZ Bisbee	KESE	
1250 WTCX MI Bay City	WXOX	
KVAR TX San Antonio	KXET	
1290 WPVA VA Colonial Heights	WPVA	
1310 *New AL Priceville	WJRA	
1340 WTWN MI Grand Rapids	WLAV	
1400 WFEC PA Harrisburg	WHGB	
1460 KDON CA Salinas	KNWZ	
1540 WSNI PA Philadelphia	WPGR	
1560 WBOL TN Bolivar	WJDS	

station will remain WRC. KPRZ-1150 in Los Angeles had applied for KUSA. The owner, Gannett Broadcasting, decided to keep the Los Angeles calls as KPRZ and transfer the newly granted KUSA to their St. Louis station KSD. Thus KPRZ remains KPRZ and KSD becomes KUSA. By the way, KSD has told the FCC that they will begin using KUSA on March 19, 1984.

## APPLICATIONS FOR NEW STATIONS

1020 MI M. Pleasant: 2500 D1  
1110 GA Milan: 500 D1

## GRANTS FOR NEW STATIONS

None

## APPLICATIONS FROM EXISTING FACILITIES

590 WDLF FL Panama City: power to 5000/2500 U4  
910 WKCN SC North Charleston: fulltime, add 500 nights, U2, move city-of-license to Dorchester Terrace-Brentwood  
1530 WCEG MA Middleborough: reduce power to 500 watts, change from D3 to D1

## GRANTS TO EXISTING FACILITIES

1280 KMAS WA Shelton: moves to 1030 kHz with 5000/1000 U1

## OTHERNESS

1220 WCLB GA Camilla: applicant to move to 1400 was listed several issues ago as presently being on 1540, an error copied from the Public Notice. It is still on 1220 kHz.  
1240 KGY WA Olympia: Application to move to Tumwater, WA on 1030 kHz was in FCC hearing along with the application from KMAS in nearby Shelton, WA for the same facilities. As you will notice above, the KMAS request was granted. In a joint agreement KGY asked that their application be dismissed. KMAS was granted 1030 and the hearing was terminated.  
1550 KXXR WA Opportunity: in case you forgot about it (this CP was granted many years ago) KXXR has FINALLY made the move from 1440 to 1550 and from Spokane to Opportunity as reported by several west coast members. If you never wrote it down in your Log...or if you weren't DXing that long ago, the CP is for 10000/2500 U2

As I type this we have 18 inches of snow on the ground that is blowing and drifting and closing roads and schools. In fact, the entire city of Youngstown and most of the metro is shut down. Almost all the stores are closed and everything is as a standstill. I hope that the trusty Post Office will be able to get this to HQ in time. If not, and there was no AM Switch last issue, my apologies. Otherwise...

73 and Good DX,

*Jerry & BKF*

Jerry Starr & Buffalo K. Foonman

MADISON COUNTY BROADCASTING CO., INC.

P. O. BOX 91  
FREDERICKTOWN, MISSOURI 63645

KFTW

DOMESTIC  
DX DIGEST

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

Here is the official NRC column which is almost as exciting as watching reruns of the LOVE BOAT! Credit JK-MD for that-hi! When sending your items in, please keep them on one side of the paper, type of neatly write, EST, skip a line or two between items, etc. And now a real sinker of a column, lets float on with this:

## DX TESTS:

560 WHND \*Not heard. (WPT-DC)  
\*Not heard, only WIS in WFIL null. (JK-MD)  
\*Tried, not heard either morning. (JM-PA)  
1140 WLNT \*0040 portions of tone and music, ID noted w/WVA OC. (DS-DE)  
1580 WZKY \*Noted 0137-0159 w/bad interference from WSRZ/WLIM/CBJ & local pirate. (JM-PA)

## FREQ. CHECKS:

3rd Mon....WPTH-1590 w/classical music, ID's, played Cello Concerto in D minor. (DS-DE, JS-OH)  
WVPC-1530 w/TT, ID's u/o WCKY. (JM-PA, DS-DE)  
WFBG-1290 w/TT per list. (DS-DE)  
WMBT-1530 w/rock music, ID's, per list. (DS-DE)  
WBCB-1490 w/TT per list. (DS-DE)  
WCMS-1050 w/vary tone per list. (JM-PA)  
3rd Tue....WKEN-1600 w/TT, 0002-0003, confirmed on call to station. (DS-DE)  
WAHT-1510 w/TT per list. (DS-DE)

## SPECIAL:

730 WJMW AL ATHENS - Per v/l, will be 24 hours on 770 w/10000/250, no date given on move. (JM-PA)  
740 WRPX WI HUDSON - Station has been on since Mid December, MOR. (GS)  
1030 KHOG AR FARMINGTON-PAYETTEVILLE - Noted 2/13 1850-1900 w/CW music and ID, K-Hog and assorted IDs, ex-1440. (GS-MN)  
1060 WTPP MA NATICK - Add.: PO Box 1060, Chestnut Hill, 02167. (JS-OH)  
1130 WWBF FL BARTOW - 2/20 new calls in effect per v/l w/new management, ex-WPUL. (KG-PA)  
1220 WCMQ FL MIAMI - Still on this frequency with no date given for move to 1210, still waiting for some equipment. (WR-FL)  
1240 KPCC CA PASADENA - 2/7 0300 noted w/s/off, has been conducting tests w/250 watts night to see if it really bothers KGFJ, tests to continue til end of March. (DKK-CA) Get'em while you can!  
1430 WQDI FL HOMESTEAD - has returned to UPI network. (WR-FL)  
1440 KELG TX ELGIN - Sked. 24 hours, ID's as "Radio Free Texas" w/CW music format. (GS-MN)  
1470 WMGZ PA FARRELL - Now off EVERY AM 0000-0600, has been on this sked for over a month so maybe it is permanent, still using an MYL type format. (JS-OH)  
1550 KXXR WA OPPORTUNITY - 2/13 0550-0630 mixing w/KRGO w/KKHI off, ID's w/MYL/Big Band type music, temp. check, ABC news, no legal ID noted on hour, ex-1440. (DKK-CA)  
1560 KTXZ TX WEST LAKE HILLS - Sked. is NSP, rock oldies format, not daytime as listed in log. (GS-MN)

## MIDDAY - MIDNITE:

560 KLVI TX BEAUMONT - 2/9 2150-2203 good o/WPIL w/end of AR state basketball then wrap up show. (JK-MD)  
580 WDBO FL ORLANDO - 2/15 1800 noted w/ID, CBS news. (WR-FL)  
600 KIIIX CO FORT COLLINS - 2/3 1926 fair w/start of news w/female anc'r, temp. check. (GS-MN)  
610 KVNU UT LOGAN - 2/3 1905 state news w/female anc'r, weather, ad, sports, o/WIP w/WDAF nulled. (GS-MN)  
620 WWLX AL LEXINGTON - 2/14 1817-1824 mostly in clear w/CW music and anc'ts w/female anc'r, w/some bits of WHJB. (KG-PA)  
790 WNWS FL S. MIAMI - 2/14 1915 w/ID, slogan as Newstalk 79. (BS-NJ)  
840 WWAX AL MOBILE - 2/7 1741 good fading o/WHAS w/60's music, ID as "840 Wax" w/female anc'r, faded before s/off. (JM-PA)  
850 WEAT FL WEST PALM BEACH - 2/20 1626-1636 "All News 85" and CNN Headline news. (WR-FL)  
860 WKKO FL COCOA - 2/18 1753 alone during extreme auroral conditions w/ID, no sign of CJBC. (JK-MD)  
KKOW KS PITTSBURGH - 2/7 1835 very good w/sports report, ads, CW music, ID. (JM-PA) Is KHIP their FM? As in KKOW-KHIP? (DS)

**KGGF** THE VOICE OF THE  
MAGIC CIRCLE

DOMESTIC  
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870 WFIO VA FARMVILLE - 2/9 1843 fair w/WFL ending rock music then s/off, w/another UNID PSSA'er. (JM-PA)

880 WMDB TN NASHVILLE - 2/7 1821-1831 up very well o/WCBS w/religious music, ads, sermon and s/off w/full data. (JM-PA)

920 WMMN WV FAIRMONT - 2/14 1825-1830 w/ID, Sports Journal report.(BS-NJ)

930 WCNR PA BLOOMSBURG - 2/11 1745-1800 anc'd they would be on til 1800 on PSSA but could not be heard on low power, WFMD also took a dive with switch to nite power/pattern. (KG-PA)

1030 WBDX TN WHITE BLUFF - 2/14 1916 CW music o/weak WBZ then into basketball game. (BS-NJ)

1130 WISN WI MILWAUKEE - 2/12 1800 fair in WNEW's null w/clear ID into WISN Radio News. (KG-PA) (JK-MD)

1150 WJRD AL TUSCALOOSA - 2/9 2030-2035 in briefly o/CHOK w/news, CW music.

1170 WAMB TN DONELSON - 2/18 1800 ID and UNID net. news, ID mentions 25000 watts of power "for Nashville". (WR-FL)

1190 WLIB NY NEW YORK - 2/19 1802-1815 noted w/program of Carribean and Rasta music, s/off w/female anc'r, no sign of WOWO. (JS-OH)

1200 KPNW ND WEST FARGO - 2/19 1805 ending IPI news w/local ID and weather, S-9+ and rock steady, not unusual anymore. (JS-OH) Oh? It doesn't take after you, eh? (DS)

1220 WGNV NY NEWBURGH - 2/17 1712 noted w/two clear ID's in only 3 seconds of dead air heard on WGAR in years! That uses up my luck for the next several years! (JS-OH) (WPT-DC)

WENC NC WHITESVILLE - 2/15 1801 good w/s/off, mention of 5000 watts.

1240 \*XXIT TX DALHART - 2/14 2100 TX net. news, ID, CP is now on, ex-1410. (GS-MN) Shoulda been in the SPECIAL section, sorry! (DS)

1250 WGHV NC FARMVILLE - 2/14 2042 CW music, asking for Valentine requests, mixing w/WTMA. (BS-NJ)

1300 KFLO LA SHREVEPORT - 2/5 1900 s/off fair w/KGLO. (GS-MN)

WYNG NC GOLDSBORO - 2/13 1801 fair w/ID. (WPT-DC)

1310 WDKD SC KINGSTREE - 2/13 1800 fair w/s/off by female w/SSB. (WPT-DC)

1320 WRJW MS PICAYUNE - 2/5 1845 simple, brief s/off w/ID then instr. SSB, noted thru din/buzz. (GS-MN)

1350 KCAR TX CLARKSVILLE - 2/16 1900 fair w/s/off w/jumble. (GS-MN)

1360 WSAI OH CINCINNATI - 2/14 2004 roaring in w/CW music, best signal ever noted on them. (BS-NJ) Yeah, sure....

1440 KUHL CA SANTA MARIA - 2/8 2036 atop, solid, w/sports news. (DKK-CA)

1460 WPRV VA MANASSES - 2/9 1830 good w/end of rock song and promo for Beatles weekend. (JM-PA)

1470 WQXL SC COLUMBIA - 2/17 1801 good w/s/off. (WPT-DC)

WRGA GA ROME - 2/16 1831 fair w/weather by female anc'r. (WPT-DC)

KTDL LA FARMERVILLE - 2/7 1900 brief portion of Dixie then into s/off, fair w/others on freq. (GS-MN)

KBXN UT TREMONTON - 2/14 1959 poor but atop for s/off, mentioned to tune to KBXN-FM. (DKK-CA)

1490 KOWL CA S. LAKE TAHOE - 2/8 1942 atop KTOB w/ID, time check, ads.(DKK)

1500 WBRI IN INDIANAPOLIS - 2/12 1745 religion, ads, fair in null of local KSTP. (GS-MN)

1520 UNID 2/18 1815 short s/off noted in clutter, call sounded like WCNN, who? (WR-FL) Someone w/CNN news, maybe, WCNN is on 680. (DS)

WEXY FL FT LAUDERDALE - 2/20 1815 s/off noted w/full specs, no SSB. (WR-FL) Station must be owned by an eye doctor. (DS)

1550 WBSC SC BENNETTSVILLE - 2/13 2045 w/B/Sol programs, ID. (BS-NJ)

1570 KBRI AR BRINKLEY - 2/7 1900 fair w/s/off seconds after s/off of local KUXL. (GS-MN)

WHOG FL FERNANDINA BEACH - 2/16 1801 full data s/off, no music.(WR-FL)

CHLO ON ST. THOMAS - 2/7 1900 noted w/ID and mention of MYL.(JM-PA)

1580 WPUV VA PULASKI - 2/17 1805-1810 surfaced after official s/off time w/weather, CW music and female anc'r touting "the best music in the Valley on WPSK" (FM Calls). (KG-PA)

WKIG GA GLENNVILLE - 2/18 1810-1815 on top w/GA net. sports, and no data s/off w/invite to tune to 106.3 FM. (KG-PA)

1590 WALG GA ALBANY - 2/24 1824 w/contest and news promo. (WR-FL)

1600 WJSA PA JERSEY SHORE - 2/13 1740 noted briefly w/ID. (JK-MD)

MIDNITE - MIDDAY:

560 KLE CO DENVER - 2/13 0323 u/KSFO OC w/ID into CW music, female anc'r. (DKK-CA)

570 WNNX NC ASHEVILLE - 2/17 0143-0149 fair in WKBN null w/local ads, CW music, promo/ID. (JM-PA)

590 KTHO CA S. LAKE TAHOE - 2/6 0400-0405 o/XHQ w/CBS news, weather.(DKK)

680 WCAW WV CHARLESTON - 2/4 0724-0748 very strong w/slight fading w/CW music w/dedications and requests, ads, sports, weather, w/WPTF/CPTN, fading to local WISR. (JM-PA)

700 KGRV OR WINSTON - 2/18 1030 w/religion w/KPAM, again 2/19 1016 either s/on or power increase then into religious program w/KPAM mostly, not a peep yet at nite, maybe still daytime only?(DKK)



710 WHB MO KANSAS CITY - 2/13 0355-0400 atop w/pop music, ID and NBC news, noted again 0430 w/promo, ID, more pop music. (DKK-CA)

UNID 2/13 0345 someone w/instr. SSB w/KMPC/KIRO already off, suspect KNUS who was assumed to be carrying Talk-Net earlier at 0300-0345. (DKK-CA)

CJRN ON NIAGARA FALLS - 2/25 0106 strong in WOR null w/pop music, ID, annual happening. (DS-DE)

850 WKIX NC RALIEGH - 2/4 0713-0714 good w/weather scan and "KIX" country ID, PSA o/WJW. (JM-PA)

860 WFMO NC FAIRMONT - 2/18 0602-0610 fair behind WTEL w/full data s/on and jingle/ID into MoR music. (KG-PA)

880 \*WCBS NY NEW YORK - 2/26 0115 completely off again this Sunday AM, nothing else noted on channel. (DS-DE)....1/29 0125 w/TT, very strong. (JM-PA)

900 \*CHML ON HAMILTON - 2/12 0235 very strong w/TT. (JM-PA)

1030 WBDX TN WHITE BLUFF - 2/13 0640 way o/WBZ w/CW music, ID's. (KG-PA)

1090 \*WBAL MD BALTIMORE - 2/20 0058 noted off this AM leaving just CKKW/ Spanish, maybe off the 3rd MM of the month? (DS-DE)

1130 WPUL FL BARTOW - 2/10 0700-0711 strong in WNEW's null w/full data s/on, Mutual news, local news, weather and CW music, call is now WWBF. (KG-PA)

WRRL WV RAINELLE - 2/12 0715-0718 strong in WNEW's null w/full data s/on and slogan "the station that brings you music and more" into an old favorite song. (KG-PA) More what? (DS)

1150 WJBO LA BATON ROUGE - 2/20 0141 w/promo, ID and CW record, weak w/WNDB w/WDEL off. (DS-DE)

1170 WRTT CT VERNON - 2/130645-0659 fairly good in WRVA's null w/no data s/on, "Solid Gold" music and AM 1170 ID's between music, taken out by WBRM's s/on. (KG-PA)

1210 \*WCAU PA PHILADELPHIA - 1/30 0120 on ET w/TT this AM. (JM-PA)

1230 WBLJ GA DALTON - 2/6 0258 MoR or rock oldies, ID noted o/mess.(GS-MN)

1240 KTAM TX BRYAN - 2/6 0240 w/rock music, ID, mention of "Central TX's 1st AM Stereo station", very good signal, NSP now? (GS-MN)

1290 \*WJBR DE WILMINGTON - 2/20 0205 OC noted on briefly then off, no ID's given at all. (DS-DE)

1320 WGET PA GETTYSBURG - 2/11 1108 this local off the air for some reason, leaving just WJAS on the channel. (JK-MD)

1450 WXVW IN JEFFERSONVILLE - 2/13 0230 up briefly w/ID and MYL then faded down. (JM-PA)

WMIW LA NEW ORLEANS - 2/16 0220 strong o/others w/MoR music, ad, ID.

1460 KTYM CA INGLEWOOD - 2/7 1100 o/KDON w/religious program. (DKK-CA)

1490 KBLF CA RED BLUFF - 2/6 0300-0305 atop w/AI news then s/off w/vocal SSB. (DKK-CA)

WPEX VA HAMPTON - 2/20 0150 noted w/MoR music and ID during WBCB freq. check/TT. (DS-DE)

WABJ MI ADRIAN - 2/20 0425 on top w/AM 15 and FM 95 ID's, CW. (JS-OH)

WJFL MS VICKSBURG - 2/6 0216 w/rock music and ID "Thanks for listening to the best music on 15 JFL". NSP now? (GS-MN)

1550 WAAY AL HUNTSVILLE - 2/20 0131 very strong w/rock music and "AM Stereo Way" ID's. (DS-DE)

\*WCHU TN CHATTANOOGA - 2/17 0110 noted w/big band music right after CBE s/off, very good then fading before ID. (JM-PA)

1580 \*WSRF FL FT LAUDERDALE - 1/30 0002 very strong w/60's rock music and ID's, almost drowned WKY's test. (JM-PA)

\*WPGC MD MORNINGSIDESIDE - 2/22 0547 very strong w/TT then off. (JM-PA)

\*WLM NY PATCHOGUE - 2/12 0220 very good w/E2L music then off w/ID and mention to tune in for AM service and info. (JM-PA)

TIS:

530 KPD638 MD ROCKVILLE - 2/11 1700 this 10 watt station operated by the MD Dept of Transport, very weak at 34 miles w/info on hearing on 2/15. Xmtr located at I270 & Shady Grove Road, have written for more info on this. (JK-MD)

MADE POSSIBLE BY:

JK-MD/Joe Kureth, Uniontown, MD/SI43, SM1, LW  
 JS-OH/Jerry Starr, Hubbard, OH/HQ180A, HQ180, SM2, LW  
 JM-PA/John Malicky, Pittsburgh, PA/AIWA AR154  
 WPT-DC/Bill Townshend, Washington, DC/ICPS5W, TRF  
 DKK-CA/Don Kaskey, San Francisco, CA/HQ140X, SM2  
 GS-MN/George Sherman, Minneapolis, MN/R1000, Radio West Loop  
 BS-NJ/Sob Smolarek, Whitehouse Station, NJ/Superadio  
 WR-FL/Walt Rogers, Miami Beach, FL/R600, Sanserino Loop  
 KG-PA/Kermit Geary, Walnutport, PA/R389, SM2, LWS  
 DS-DE/You expected Rick Marr??/HQ180A, Superadio, SM2, Short LW

I guess it's getting near the season end with the few contributions we've had this week so things have just about winded down. There are still many things to be heard so keep tryin' and send it along when you hear something. huh?

73's - Good DX! JANE

WRTT 1170 radio tri-town





# INTERNATIONAL DX DIGEST

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

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

EVERYONE LEAN TO THE LEFT SIDE OF THE BAR (what you been drink'n Chuckee - SUE)

DON'T ELINK.....

- 540 VENEZUELA R. Perije with "Musica Venezolana" program 0445-0510 2/17 including full ID at 0500; "Radio Perije, potencia radial de Zulia....transmitiendo desde la villa de Roserio....patria del libertador Simon Bolivar, el mss grande hombre de America". First new one on 540 since CJSB came on the air and it faded in best right on the hour! (Renfrew)
- 580 URID SS stn w/bird call (similar to Mexico 1030) and ringing phone repeated several times u/WKQA 0605 2/17. Maybe the Venezuelen. (Renfrew)
- 620 COLOMBIA R. Ciudad de Cartagena w/ID under WHEN and others 0625 2/15. (Renfrew)
- 770 JAMAICA RJR ("Ahhh-Jay-Ar") "Capital Stereo" heard here for first time 0540-0600 2/17 u/WABC with "soft soul" music and local ads. Parallel to stronger signals on 580 and 720 but nothing (sadly) on 550. (Renfrew)
- 770 PANAMA R. Nacional de Panama w/frequent ID's and news at 0700 2/20 with WABC off. News began with a musical simulation of a teletype, something I heard in the early sixties on one of our domestic news networks. (Renfrew)
- 850 COLOMBIA Caracol with clear ID u/unid tester 0725 2/13. (Renfrew)
- 890 PANAMA R. Nacional de Panama u/WLS w/many ID's and time check at 0800 2/19 (no mention of Huaymi or David). News was followed by music program. (Renfrew)
- 930 CUBA R. Reloj noted w/characteristic code ID every minute 0810-0820 2/19, parallel w/940 which was weaker. First time for each. (Renfrew)

Courtesy of Gentleman Jim Renfrew, Rochester NY with his HQ150/SM1. Now I'll either doodle all over the rest of the page or let Mike figure out something to put down there. That is unless Mike is still being forced by Sue to do his Jimmy Hoffa impersonation..... (I know some funny fish jokes) Mike

Brock Whaley says: KPOI-1040 Honolulu went dark 2/9 but plans to return in March with religion and new calls, same old hours (6AM to 12PM local) with 10KW ND.

Charlie Taylor: I got it and I did it.....

Chuckee, one more column like this and your in the lake too !!!!! - SUE

B2 Friday, February 26, 1981 THE WASHINGTON POST

## New Bid to Buy WRC

By Jacqueline Trescott

Greater Media Inc., owner of WGAY-FM (90.5), the top-rated beautiful music station in the country, has signed a letter of intent to buy WRC-AM (880).

At the same time, the National Broadcasting Co., owner of WRC, the news-talk station that ranks eighth in the Washington market, has ended negotiations over a previous bid for the station. Joseph Della Ratta, the local builder who had agreed to buy the station last November, said yesterday he was trying to renegotiate the contract after finding out WRC's losses were \$25 million a year, larger than projected. He also said he had not received a letter that NBC said it had sent on Wednesday informing him the deal was off.

Greater Media, a New Brunswick, N.J. firm that owns 12 stations, and NBC signed the agreement Wednesday. "WRC is one of the two premier AM radio stations in Washington, and we don't think ABC would sell the other one," said Herbert W. McCord, the company's vice president for radio. "WRC is a tremendous facility."

The asking price for WRC is believed to be \$15 million. Greater Media must sell its current Washington AM property, WGAY, before the new purchase can be completed.

"We have been looking for a long time to upgrade our AM facility. WRC is one of the top three frequencies in the city, with WMAL-AM (630) and WGMS-AM (570). In terms of technical power," said Ted Dorf, general manager of WGAY-FM and AM and a vice president of Greater Media.

## Radio, Now if they can get some Finnish advertisers

Bucks County radio station WBCB (1490 AM) would be pleased if its signal could be heard loud and clear in all parts of Philadelphia, let alone a foreign country, but the station recently received a letter from a listener in Panninmaki. That's in Finland. "It is of great pleasure to inform you of my hearing WBCB on 1490 kHz medium waves a few weeks ago," wrote Hannu Tikkanen, who is the editor of a Finnish radio-listeners magazine. "I would like to explain why it gave me such a thrill: Just a few years ago I visited the USA and I have spent some time in your state of Pennsylvania. I have relatives in Philadelphia, and I stayed with them a week and a weekend. I had the opportunity of seeing Philadelphia and then also Atlantic City in New Jersey. So it was indeed a thrill to hear a station on a local channel from the very same state."

Tikkanen went on to explain that he was in northernmost Finland - Lapland - when he heard the station. "In Lapland the reception of North American medium wave stations is essentially stronger than here in the south where I live. So every winter I go at least once to the northern country to hear such stations as yours. This winter I was twice in the wilderness, and now in January I stayed there three weeks."

The winters must be long and boring in Finland. Be that as it may, WBCB program director Bob Burton is delighted. "Eat your heart out, KYW," he said.

- CLARK DELGON'S COLUMN

↑ TONY FITZHERBERT

← VIA NISSEAN

# TOP END

CRAIG HEALY  
66 COVE STREET  
PAWTUCKET, RI 02861

1600-1800 KHZ RANGE TIMES ARE GMT DEADLINE: LAST. SAT. OF MONTH

First, courtesy of Patrick Martin and Mike Hardester is an identification of John Arthur's 1690 and 1700 loggings from last time. 1690 Kaohsiung Fishery BS in Taiwan ID's as "Kaohsiung yuyeh tientai" For a QSL, send the Voice of Free China a cassette and don't offer any identification suggestions, and ask VOFC if they know who the station is. 1700 Keelung Fishery and Weather BS in Taiwan ID's as "Keelung yuyeh Tientai". Try the same scheme as 1690 for a QSL. Pat also reports hearing a USSR station in CC on 1700. Some kind of CC Foreign Service, location unk. I've recently heard through several sources that the "cricket" stations that we hear are for the most part a system called Cubic Argo. So, I'll call them that from now on. The other common system is Decca HiFix. This sounds like the morse code letter J with the first dit in a lower tone than the rest.

Loggings:

- 1613 GUATEMALA Rabinal 0424 1/24 RAB fair. (Moman)
- 1618 ??? 0330-0340 2/20 KA83413 good. (Healy)
- 1625 ??? 1631 1/25 Cubic Argo weak-fair (Arthur)
- 1629 ??? 1148 2/1 M talking, short mx, gone 1150. Weak. (Arthur)
- 1630 ??? 1625 1/27 FZ953 weak. (Arthur)
- 1632 ??? 0600-0603 2/24 Cubic Argo good. (Healy) (Lankford)
- 1638 ??? (no time/date) FRB noted. Also on 1721. Maybe harmonics of 83kHz? Could be, but if it's the same FRB hrd up here, it jumps all over the 1600-1800 kHz range. ed.
- 1638 ??? 1209 1/28 C225 and other cw beacons. (Arthur)
- 1642 ??? (no time/date) E369 w/ long pause between IDs. (Lankford)
- 1642 ??? (no time/date) FXYC (Lankford)
- 1642 ??? 1616 1/25 3 or 4 weak cw sigs. and a Cubic Argo. (Arthur)
- 1644 ??? 0346-0350 2/20 LGB TLX poor. (Healy)
- 1646 ??? 0625-0642 2/24 LGB TLX up here now, ex-1644. Noted w/ unstable chirpy keying when in morse code. Seems to send facsimile sometimes. Fair w/ static. Noted back on 1644 0328 2/26. (Healy)
- 1650 HAWAII Walluku 1609 1/22 3rd harm. of KMVI-550 weak-fair w/ skywave fades. (Arthur)
- 1652 ??? 1202 1/28 M313 fair. (Arthur) (Arthur)
- 1660 HAWAII Honolulu 1510 1/22 KCCN-1420/KISA-1540 product mix fr-gd.
- 1670 ??? 1227 1/26 Man in unid Oriental lang. Not Chinese, maybe Korean. Weak to poor. (Arthur)
- 1673 ??? 0446 2/20 FF USB station fair. Only 2 sentences hrd. (Healy)
- 1673 ??? 0603-0622 2/22 FF USB stations poor. Static, Cubic Argo QRM. Background sounds noted during pauses like the mike was left on. Moman noted 0610,0615,0618. Sounded like some form of ID but too poor to catch. (Healy)
- 1675 ??? 1632 1/28 Tone hrd. but no ID. Weak-fair. (Arthur)
- 1676 PAPUA NEW GUINEA Tslili Tslili (Honest!!!) 1610 1/25 TSL beacon, wk-fr. Listed to 1675. (Arthur)
- 1685 COLOMBIA Mercaderes 0427 1/24 MER fair. Poor 0738 1/10. (Moman)
- 1685 same 0600-0602 2/22 MER good with lots of static. (Healy)
- 1689 PAPUA NEW GUINEA Mt. Hagen 1515 1/22 MH fair-good. (Arthur)
- 1726 ??? 1235 1/26 unid cw transmission. (Arthur)
- 1768 ??? 0626-0627 unid RTTY fair-good. (Healy)
- 1792 ??? 0544-0545 2/20 EE USB station poor-fair. Lots of numbers, like air traffic control. British accent. (Healy)
- 2380 IDAHO Sandpoint 0600 1/24 S2T 9th harm. fair. QRMing Falklands.(Moman)
- 2420 ??? 0904 1/24 UVS unid harm. Who?? (Moman) No listing here..ed.
- 2430 MONTANA Shelby 0906 1/24 SBX 7th harm. fair. (Moman)

Credits:

Don Moman at Joseph Lake, AB ICOM R-70/Kenwood TS430S, 1700' bev., 100' lw Dallas Lankford Ruston, LA R-390A, 100' lw (note: all Dallas' logging were in the last two weeks or so of January in the evening. ed)

John Arthur Pahoā, HI R-388, various dipoles and wire antennae me Pawtucket, RI R7A, 125' loaded lw, regenerative tuner/preamp And appreciated info from Mike Hardester in Cherry Point, NC and Pat Martin of Seaside, OR.

Interesting to note Dallas' logging of FRB. Hasn't been heard up here in a couple of months. I'd sure like to do a direction find on that thing. If it'd stand still for a while, that is. I would like to do a composite bandscan like last year. Take some time and tune through 1600-1800 and send me your usual catches. I'll compile them and type them up in the column later on. Thanks!!

Contributors

John T. Arthur	Dallas Lankford	Michael S. Hardester
	Donald E. Moman	Patrick Martin



Mark Connelly- WALLON DX Labs

A broadband amplifier is characterized by amplification at relatively constant gain over a wide band of frequencies.

This article provides documentation to assist the DX'er in building and operating a broadband amplifier of proven ability, the BBA-1. This unit is in operation at the W. Yarmouth, MA foreign-DX monitoring station. A slightly different version is used at Neil Kazaross's QTH in Ogunquit, ME.

The BBA-1 provides approximately 15 dB of gain from 100 kHz to 30 MHz. Usable gain is influenced by source impedance, source noise, load impedance, battery voltage, and the spectral distribution of strong signals at frequencies other than that of operation.

A broadband amplifier can be used as a 'gain block'/gain 'black box' between a signal source and a receiver or other load. Aside from weak-station DX applications, the broadband amplifier can be used to boost small RF voltages to be observed on an oscilloscope or to boost baseband video signals.

In DXing applications, the broadband amplifier is of value in increasing the signal from passive wire tuners and from a loop antenna (whether the loop has its own built in amplifier or not).

The author has found the Radio West and Palomar ferrite loops to have insufficient gain in some circumstances. Inclusion of the BBA-1 after these loops has allowed the 'dredging up' of DX catches which would have otherwise been at the receiver noise floor.

In many situations, a wanted station (left after looping or phasing a pest) is too weak to give clear copy. There's much to be said for adding 2 or 3 S-units more gain to the output of a passive loop or a small active loop. Addition of gain to passive phasing units is nearly mandatory, especially when wires considerably shorter than true Beverages are in use.

While it's true that substantial gain can be obtained from active tuners such as those of the APT series, it must be recalled that an active tuner has a fair number of controls to adjust. If you've just expended some DX time tweaking the controls on a loop or phaser and nulling, do you really want to tweak that many more things just to resurrect the weak wanted station from the receiver noise?

DXing time for most of us is rather limited. The constraints of work and family life, the problem of RF interference, and the frequent lack of ionospheric cooperation in propagation viability greatly reduce the ability of DX'ers to log new stations efficiently.

When there is an opening, we want to extract as many stations as possible and, possibly, we still want to have some time to enjoy the programming content of the exotic signals coming in. Gathering details or taped audio for a reception report may be another way we wish to utilize the time. In short, time in tweaking a confusing profusion of pots, switches, variable capacitors, and other assorted "gizmotchies". Using the broadband amplifier, with few controls to tweak, after a loop or phaser can speed up operating time considerably, when compared to using a tuned amplifier.

In certain instances, an untuned source (such as a short wire) may be input to the broadband amplifier: wideband amplification thereby provided can 'make the shortwire look like a longwire'. This can be of significant benefit to the DX'er who is limited to use of an indoor antenna. Unlike the active tuner approach to enabling shortwire usage, the BBA-1 scheme permits simultaneous boosting of all frequencies which may conceivably be used during a DX season.

There are limitations to how effective such a strategy can be, however. The principal limiting factor is the strong-signal-overloading consideration. Either the broadband amplifier or the receiver, or both, can be overloaded by strong signals on frequencies other than that of operation with spurs, images, and cross modulation as possible undesirable results.

The broadband amplifier performs best when there is at least a modicum of pre-selection ahead of it. This may be in the form of an actual tank circuit (such as in a loop, tuner, or phaser) or it can be a wavetrap (useful for those with just one obnoxiously-loud local station) or it may even just be a bandpass filter allowing a sizeable chunk of the operation band to pass from the antenna to the amplifier's input. The section of "Using the BBA-1" should direct the

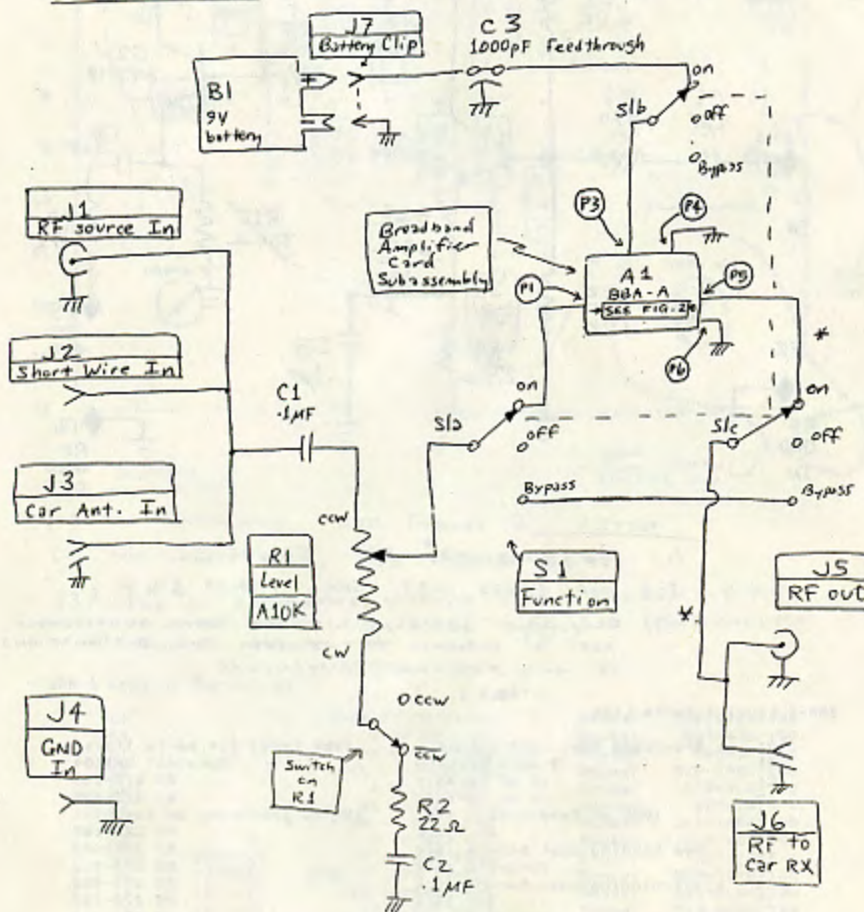
DX'er in recognizing the benefits and the limitations of broadband amplification.

BBA-1 documentation to follow includes:

Figure 1	Main Schematic
Figure 2	Schematic, A1 Broadband Amp. Card subassembly
Figure 3	"Roadmap", A1 Broadband Amp. Card subassembly
Table 1	Level 1 Parts List
Table 2	Level 2 Parts List
Table 3	Level 3 Parts List
Table 4	Level 4 Parts List
Table 5	Hole Drilling List
Table 6	Wiring List
-	Brief construction strategy discussion
Figures 4 & 5	Hardware Assemblies
-	"using the BB-1" instructional section

## BBA - 1 BROADBAND AMPLIFIER

Figure 1 - Main Schematic

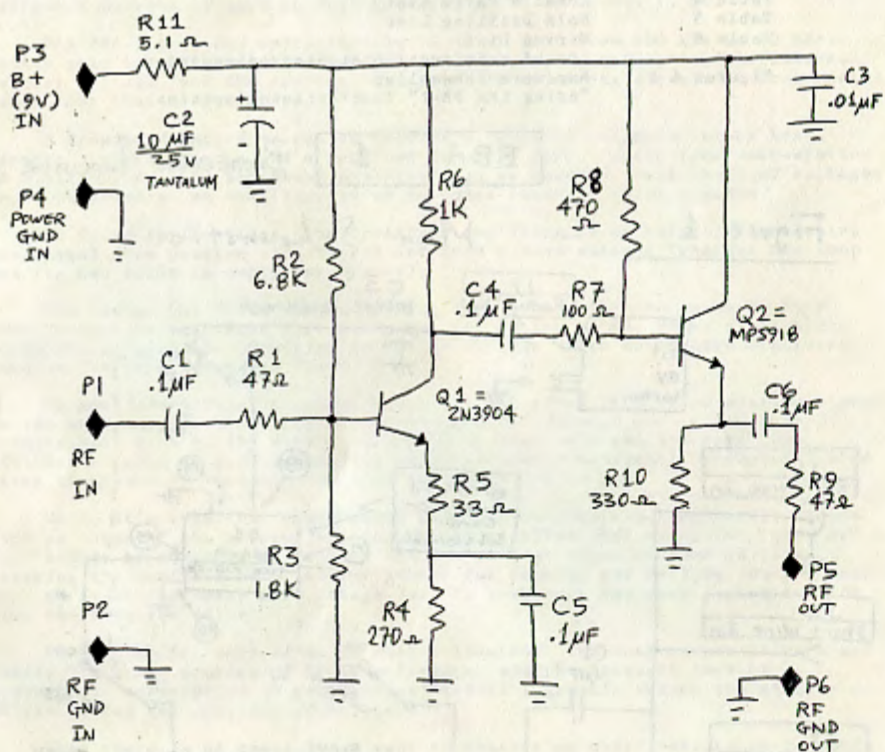


\* = Use shielded cable [e.g. RG174] on leads marked with asterisk.



SCHEMATIC: BROADBAND AMPLIFIER CARD SUBASSEMBLY

{ A1 OF BBA-1 }



NOTES

- (1) FOR ROADMAP, SEE FIGURE 3
- (2) FOR PARTS LIST, SEE TABLES 3 & 4
- (3) COMPONENT DESIGNATIONS FOR THIS SUBASSEMBLY ARE A SEPARATE ENTITY FROM THE DESIGNATIONS OF MAIN ASSEMBLY COMPONENTS

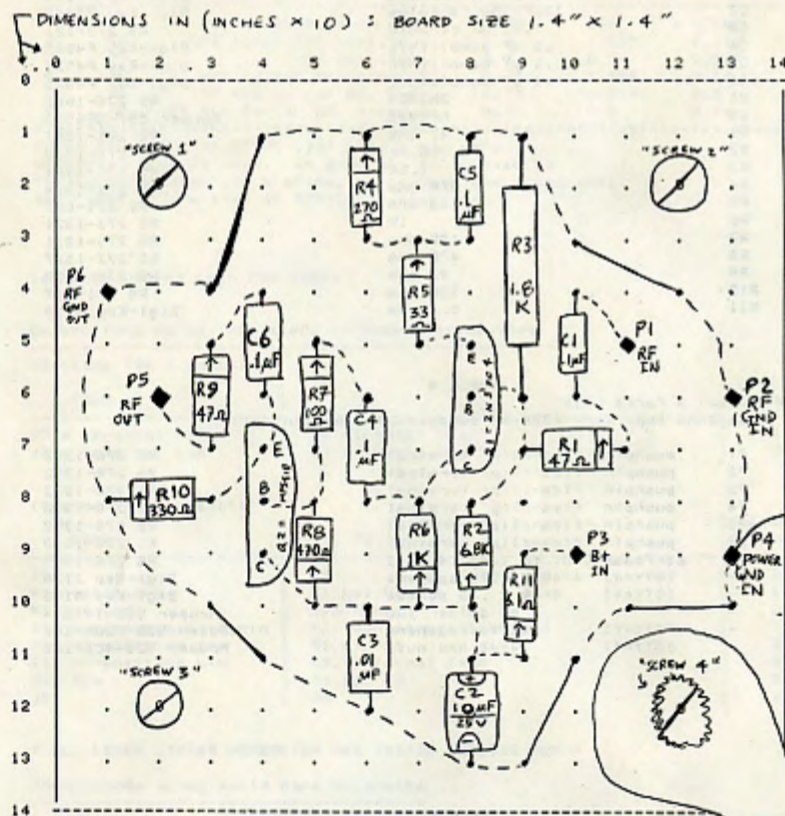
TABLE 1

BBA-1 Level 1 Parts List

Part No.	Description	Source
A1	Broadband Amp. Card subass'y	[see Level 3,4 parts lists]
B1	9 volt battery	Duracell MN1604
C1	.1 uF ceranic	RS 272-135
C2	.1 uF ceranic	RS 272-135
C3	1000 pF feedthrough cap.	(Erie, Spectrun, or Tusonix)
J1	BNC jack	RS 278-105
J2	red binding-post banana jack	RS 274-662
J3	Motorola jack	RS 274-712
J4	black binding-post banana jack	RS 274-662
J5	BNC jack	RS 278-105
J6	Motorola jack	RS 274-712
J7	battery connector/holder	Acme Model Eng. (Ridgefield, NJ)
R1	A-10K pot	RS 271-215
R2	22 ohm	RS 271-005
S1	3PDT (on/off/on) toggle	Houser 10TC285
-	hookup wire [as req'd]	RS 278-1296
-	busswire [as req'd]	RS 278-1341
-	RG174 coax. cable [as req'd]	Houser 515-1156-12

BROADBAND AMPLIFIER CARD ROADMAP

{ A1 OF BBA-1 }



NOTES

- (1) FOR SCHEMATIC, SEE FIGURE 2
- (2) FOR PARTS LIST, SEE TABLES 3 & 4
- (3) END OF COMPONENT MARKED WITH ARROW (↑) INDICATES LONG-LEAD SIDE (→) OF VERTICALLY-MOUNTED COMPONENT.

TABLE 2

BBA-1 Level 2 Parts List

Part No.	Description	Source
G1	4-40 X .25 screw	Houser 529-Y4R4/100
G1	4-40 hex nut	Houser 529-4CD/100
G1	#4 solder lug	Houser 565-1416-4
G2	4-40 X .25 screw	Houser 529-Y4R4/100
G2	4-40 hex nut	Houser 529-4CD/100
G2	#4 solder lug	Houser 565-1416-4
G3	4-40 X .25 screw	Houser 529-Y4R4/100
G3	4-40 hex nut	Houser 529-4CD/100
G3	#4 solder lugs	Houser 565-1416-4
J3	[QTY=2] 6-32 X .375 screws	Houser 529-Y6R6/100
J3	[QTY=2] #6 lockwashers	Houser 529-PLW6/100
J3	[QTY=2] 6-32 hex nuts	Houser 529-6CD5/100
J6	[QTY=2] 6-32 X .375 screws	Houser 529-Y6R6/100
J6	[QTY=2] #6 lockwashers	Houser 529-PLW6/100
J6	[QTY=2] 6-32 hex nuts	Houser 529-6CD5/100
J7	[QTY=2] 4-40 X .375 screws	Houser 529-Y4R6/100
J7	[QTY=2] 4-40 hex nuts	Houser 529-4CD/100
J7	[QTY=2] #4 lockwashers	Houser 529-PLW4/100
R1	knob	RS 274-416
-	chassis box	RS 270-238



BBA-1 Level 3 Parts List  
A1 Broadband Amp. Card (BBA-R) Subassembly (electrical)

Comp.	Description	Part No.
C1	.1 uF monolithic	Digi-Key P4525
C2	10uF/25v tantalum	Digi-Key P2049
C3	.01 uF ceramic	RS 272-131
C4	.1 uF monolithic	Digi-Key P4525
C5	.1 uF monolithic	Digi-Key P4525
C6	.1 uF monolithic	Digi-Key P4525
Q1	2N3904	RS 276-1603
Q2	MPS918	Mouser 597-MPS918
R1	47 ohm	RS 271-1307
R2	6.8K	RS 271-1333
R3	1.8K	RS 271-1324
R4	270 ohm	RS 271-1314
R5	33 ohm	RS 271-807
R6	1K	RS 271-1321
R7	100 ohm	RS 271-1311
R8	470 ohm	RS 271-1317
R9	47 ohm	RS 271-1307
R10	330 ohm	RS 271-817
R11	5.1 ohm	Digi-Key 5.10

TABLE 4

BBA-1 Level 4 Parts List  
A1 Broadband Amp. Card (BBA-R) Subassembly (mechanical)

Comp.	Description	Part No.
P1	pushpin 'flea-clip' terminal	RS 270-1392
P2	pushpin 'flea-clip' terminal	RS 270-1392
P3	pushpin 'flea-clip' terminal	RS 270-1392
P4	pushpin 'flea-clip' terminal	RS 270-1392
P5	pushpin 'flea-clip' terminal	RS 270-1392
P6	pushpin 'flea-clip' terminal	RS 270-1392
-	perfboard (cut to 1.4X1.4 in.)	RS 276-1395
-	[QTY=4] 4-40 X .375 spacers	Digi-Key J170
-	[QTY=4] 4-40 X .75 screws	Digi-Key H150
-	#4 solder lug	Mouser 565-1416-4
-	[QTY=7] #4 lockwashers	Mouser 529-PLM4/100
-	[QTY=4] 4-40 hex nuts	Mouser 529-4CD/100

TABLE 5

Hole list for BBA-1 Broadband Amplifier  
(X=horiz. distance from vert. centerline; - = left of CL, + = right)  
(Y=vertical distance from lower horizontal edge of side observed)

## LEFT SIDE

Hole	Comp.	Description	X(in.)	Y(in.)	DIA(in.)
1	J4	GND in-blk banana jack	-0.75	1.25	0.3125
2	J2	Shortwire in-red b. jack	-0.75	0.5	0.3125
3	G1	GND screw/int. lug	0.0	1.125	0.113
4	J1	RF Source In (BNC)	0.0	0.5	0.375
5	J3	car ant. jack, screw 1	0.75	1.200	0.14
6	J3	car ant. jack, body	0.75	0.894	0.14
7	J3	car ant. jack, screw 2	0.75	0.5	0.14

## TOP

Hole	Comp.	Description	X(in.)	Y(in.)	DIA(in.)
1	S1	Function Switch, shaft	-1.375	2.125	0.25
2	S1	Function Switch, tab	-1.375	1.875	0.113
3	G2	GND screw/int. lug	-0.8125	1.5	0.113
4	R1	Level Pot, shaft	-1.375	0.75	0.3125
5	R1	Level Pot, tab	-1.0625	0.75	0.14
6	A1	BBA-R Amp. Card, screw 2	-0.25	2.0	0.113
7	A1	BBA-R Amp. Card, screw 1	0.75	2.0	0.113
8	A1	BBA-R Amp. Card, screw 4	-0.25	1.0	0.113
9	A1	BBA-R Amp. Card, screw 3	0.75	1.0	0.113
10	J7	BatteryHolder, screw 1	1.25	2.0	0.14
11	J7	BatteryHolder, screw 2	2.2188	1.125	0.14

TABLE 5 Cont.  
RIGHT SIDE

Hole	Comp.	Description	X(in.)	Y(in.)	DIA(in.)
1	C3	B+ In feedthrough cap.	-0.75	0.5	0.188
2	G3	GND screw/int. sext. lugs	0.0	1.125	0.113
3	J5	RF out (BNC)	0.0	0.5	0.375
4	J6	RF out to car RK, screw 1	0.75	1.288	0.14
5	J6	RF out to car RK, body	0.75	0.894	0.5
6	J6	RF out to car RK, screw 2	0.75	0.5	0.14

NOTE: Diameters of RIGHT SIDE hole 1 may vary depending upon C3 used. In general, it is wise to verify hole locations & sizes, based upon the components available at the time of BBA-1 construction.

Table 6: Wiring List for BBA-1

Connections using insulated, stranded hookup wire

(Outside BBA-1 chassis)

FROM	TO	LENGTH (inches)
J7 + terminal tab	C3 external lead	4.0
J7 - terminal tab	G3 external lug	3.0

(Inside BBA-1 chassis)

FROM	TO	LENGTH (inches)
J1	J3	1.5
R1 switch arm	R1 pot-CCW pin	1.0
R1 pot arm	S1a arm	2.0
S1a bypass-position pin	S1c bypass-position pin	1.0
S1a on-position pin	R1 pin P1	2.0
S1b on-position pin	C3, internal lead	6.0
S1b arm	R1 pin P3	3.0
J5	J6	1.5

\* ALL LEADS LISTED HEREAFTER ARE INSIDE CHASSIS BOX \*

Connections using solid bare buss-wire

FROM	TO	LENGTH (inches)
J1	J2	1.0
J4	G1 internal lug	1.0
lug at A1 card screw 4	R1 pin P4 (see Fig. 3)	1.0

Connections using RG174 coaxial cable

LEAD	FROM	TO	LENGTH (inches)
Centre Conductor	S1c arm	J5	6.0
Shield	G2 int. lug	G3 internal lug	6.0
Centre Conductor	S1c on-pin	R1 pin P5	4.0
Shield	G2 int. lug	R1 pin P6	4.0

'Air-Hired' components (for values see Fig. 1)

\* USE SHORTEST POSSIBLE LEAD LENGTHS \*  
\* USE 'SPAGHETTI' INSULATION ON BARE COMPONENT LEADS\*

FROM	COMPONENT	TO
R1 switch, non-CCW pin	R2 + C2	G1 internal lug
J1	C1	R1 pot-CCW pin

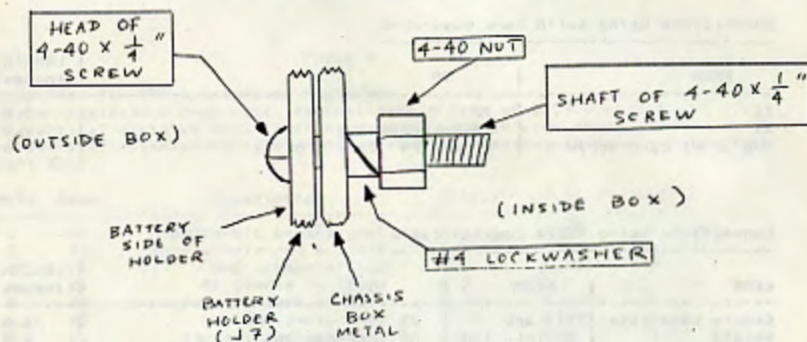


The schematics, A1 roadmap, parts lists, hole list and wire list should be enough information for an experienced builder. The APT-2 Active Tuner article is a useful reference for construction practices- indeed, allusions to that article will occasionally be made in order to keep BBA-1 construction details brief.

The BBA-1 is a good beginners project. With that in mind, a short overview of construction steps is provided. The style is meant to be somewhat more cursory than the step-by-step hand holding approach of the APT-2 assembly instructions. Nonetheless, the following steps should be sufficiently specific

1. Organize work area. Acquire necessary parts and tools.
2. Ascertain that hole list (Table 5) is correct for the components on hand. If deviations from the parts list have been made, changes to the whole list may be necessary.
3. Mark hole locations on chassis box: Use an accurate ruler. Mark hole locations with a sharp scribe.
4. Drill all holes. Holes of .25 in. diameter or greater should be initially be drilled with a smaller bit.
5. Mount C3, J1, J2, J4, J5, R1, and S1 by using the hardware supplied with these components. Install knob on R1.
6. Install grounding hardware assemblies G1, G2, and G3 at locations called out in Table 5. G1 and G2 should look like APT-2 article Figure 10; G3 should look like APT-2 article Figure 11.
7. Install the two car jacks (J3 and J6). Mounting holes are left side holes 5 and 7 and right side holes 4 and 6. Use a 6-32 X .375 screw, #6 lockwasher, and 6-32 nut at each mounting hole. Refer to APT-2 article Figure 14.
8. Install J7 Battery Holder: orient it so that the terminals are pointed towards the lower edge of the chassis top side. Mounting holes on the holder should line up with top side holes 10 and 11. Hardware to be used at each hole should resemble Figure 4.

FIGURE 4



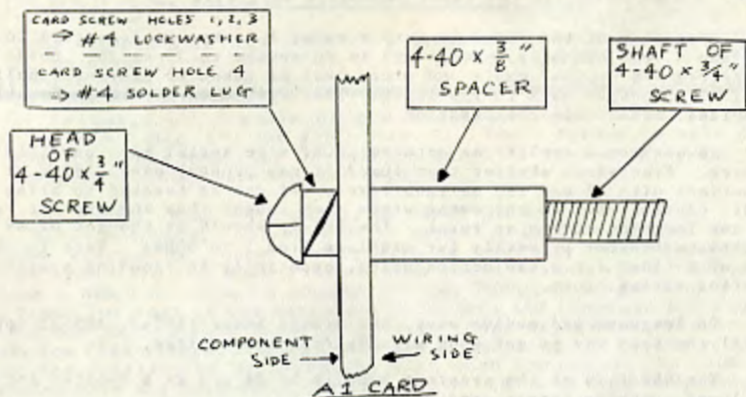
9. Temporarily set the chassis box aside, until step 12.
10. Assemble A1 Broadband Amplifier Card subassembly: see Figure 2 (schematic) Figure 3 (assembly layout 'roadmap'), and Tables 3 and 4 (parts lists).
11. Mount hardware at four A1 card corner holes, in accordance with Figure 5.

# WMIQ

105 East Kent St.

P. O. Box 579

Iron Mountain, Michigan 49801



12. Place A1 assembly on inside of chassis box so that the shafts of the four screws (installed in step 11) protrude to the outside of the box through the holes listed by Table 5.
13. On the shaft of each protruding A1 screw outside the box, install (first) a #4 lockwasher and (second) a 4-40 hexnut. Torque the nuts tight with a nutdriver.
14. Mechanical assembly of components is completed at this point. Wire up the unit; use Table 6 as your reference. The APT-2 article contains possibly useful information regarding the preparation of coaxial leads.
15. At this juncture, BBA-1 is completed. Check workmanship carefully, then attach bottom chassis box cover with the sheet metal screws provided.

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## Read my lips: It's Morse, not Morris

What's in a name? Plenty, according to Bill Morse, the 18-year veteran newsmen at KMBZ-AM.

That's why he placed a call this week to KBSM-AM, the new Blue Springs radio station. The afternoon disc jockey there is Bill Morris.

"Several people have called me and asked, 'Are you on another station?' That's what's bothering me," Mr. Morse said.

It bothered him enough to have lawyers for KMBZ look into the situation. It doesn't look promising, Mr. Morse said. "Our attorneys say that, as long as they're not trying to deceive people and that is his real name, there really isn't much we can do.

"Not that being me is any great shakes," he said modestly, "but I have a little notoriety and a little reputation, I hope anyway."

To add to the confusion, the two stations are neighbors on the AM dial. KMBZ is 980; KBSM is 1030.

Mr. Morse found irony in a conversation he once had with the KBSM general manager, Dean Lupkey. "He chatted about my maybe working for him. It sure was a coincidence. He asked whether I was interested,

and I said that I'd been here [at KMBZ] an awful long time and I like it here."

Meanwhile, Mr. Morris, who once worked on radio stations in Clinton, Mo., and Lexington, Mo., and sold commercial time for former Kansas City area station KFLX-FM, said that he has no intention of changing his name.

"My wife's last name is Morris, and my two children are Morris," he said. Also, he said, there is a third little Morris on the way.

"I think he [Mr. Morse] wants me to change my name," Mr.

Morris said. But, for now, it would be terribly inconvenient, he said.

The two last names sound so similar that the fact they are spelled differently makes little difference, Mr. Morse said. "After 15 years," he added, "half my mail is still spelled wrong."

Realizing that he can do little, Mr. Morse is accepting the similarity of names philosophically.

"I mean, what the heck, if he's good, I'll just say that I'm working over there too," he said. "But if he's bad, then there's a problem."

VIA DAVID LEWIS

## Radio Boss to Jock: Take a hike

Among the names not mentioned during the party Monday evening at WFIL for the return of "Dangerous" Dan Donovan to the radio station was Jim Nettleton, whom Donovan is replacing. It's amusing how you go from being a major personality to being a nonperson on radio. Nettleton had been heralded as the boss of the boss jocks when he became the station's morning man after WFIL jettisoned its country format and returned to its Boss Jock programming of hits from the 40s and 50s. But at the end of Nettleton's shift one day recently, the boss bowed him. It was one of those, "You know how you come to work every Monday morning? Don't do that anymore," firings.

Donovan, whose hair is prematurely sandy at age 41, is a native Philadelphian (Frankford) who worked at WFIL for 10 years before leaving in 1979 and moving to an FM station in St. Paul, Minn. He isn't happy with what happened to Nettleton; in fact, he said this was the second time he had bumped Nettleton from a spot at WFIL. "I don't like it, but that's the business," he said with a shrug.

## Update: Forget the beef, where are the buns?

The other day, the upstairs room at Palumbo's was jammed with women waiting for a show featuring male exotic dancers to begin. Finally, an impatient woman in the audience shouted, "Where's the beef?"

PLK hug  
head, Rd 15, 1984



Operation of the BBA-1 is very simple: A source is connected to J1, J2 or J3; and a load (usually a receiver) is connected to J5 or J6. Loads must be connected via coaxial cable and steps must be taken to prevent coupling of the amplifiers output back to its input. Receivers used should preferably be of shielded, metal case construction.

As mentioned earlier an untuned SHORT wire aerial is a possible signal source. Even wires shorter than 10m/33ft may produce overloading at urban locations with R1 set for maximum level. R1 can be tweaked to bring the spurs under control, but in any event wires much longer than 10m are not recommended at any location, urban or rural. The BBA-1 should be thought of as an untuned shortwire booster primarily for stations from 3 to 30MHz. Even in that range, use of a tuner for preselection helps, especially in removing possible FM and TV station mixing spurs.

On longwave and medium wave, the active tuner (APT-2, APT-3) approach is still the best way to get good signals from short wires.

The BBA-1 is of the greatest benefit to DX'ers as a booster for the outputs of loops, passive tuners, and phasers.

The following procedure should illustrate the simplicity of the unit.

- 1.0 BBA-1 OPERATION  
(Connect source, load as mentioned at beginning of "Using the BBA-1")
- 1.1 Initially set S1 to Bypass. This routes the input directly (through R1 level pot and DC blocking cap. C1) to the output. Set R1 to fully CCW (max. Level)
- 1.2 If the source is tunable, perform normal peaking steps.
- 1.3 If the source is meant to produce a null (e.g. loop, phaser) perform normal nulling steps.
- 1.4 If the desired signal is not weak, there's no need for amplification: you may stop at this step. If the signal is weak, use of the BBA-1 is indicated- proceed forward from this step.
- 1.5 Turn R1 to fully CW (min. level)
- 1.6 Set S1 to ON.
- 1.7 Adjust progressively CCW: the wanted station should be heard. R1 can then be set at the most CCW position yielding maximum desired frequency signal, consistent with freedom from unwanted "gremlins" (spurious signals, cross-modulation, oscillations, etc.).

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## Plans call for changes at WOCB

By ELISA WOOD  
STAFF WRITER

WEST YARMOUTH — The Cape Cod Museum of Broadcasting is going to be closed, and there are no longer going to be guided tours in the summer.

That was the way the new owners of WOCB-AM/WSOX-FM yesterday described a few changes they plan to usher in the West Yarmouth radio stations "into 1984."

The deal was made final yesterday, and before noon, the two new owners — New York radio personality Bruce "Cousin Bruce" Morrow and entrepreneur Robert F.X. Sillerman — announced how the change will affect listeners.

They plan to funnel about \$200,000 into refurbishing the "museum" on South Sea Street, updating everything from the antenna to the microphones in the radio facility, they said.

The FM station will air programs that are "live" 24 hours a day, rather than



BRUCE MORROW

automated by computer.

"Out with the computers!" Morrow said. "Radio has a very human element. My thesis is we've forgotten the element of the audience. We've become too involved with the technology."

Morrow said he plans to "fine tune" some of the music selections for the FM station, but it will con-

tinues to play easy listening songs, such as those of Frank Sinatra and Tony Bennett.

News Center will continue to air at least three hours of news and talk show programs in the morning. But it will no longer broadcast identical programs on WSOX-FM and WOCB-AM, Morrow said.

The 1,000-watt WOCB is more than 40 years old and was the first radio station to be licensed on Cape Cod. The \$5,000 watt WSOX is 35 years old.

Started five years ago, Sillerman Morrow owns eight radio stations in New York, New Jersey, Northampton and West Yarmouth. It also owns a full-service television station in Atlanta.

The sale of WOCB/WSOX in October was the third in the last year on Cape Cod.

VIA ERC &  
CAPE Cod Times  
2-7-84

## MUSINGS

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc., or its subsidiaries. Times are local per Muse.

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SUN VALLEY, CA 91352

(And here it is again ... Musings of the Members for the Ides of March! Deadlines: for #24 - Mar. 17; for #25 - Mar. 31. Don't forget to make plans for the H. John Clements Memorial DXpedition March 23-26 east of Twentynine Palms, CA. Call me at (818) 765-7651 for details.)

Jerry Bond - 143 Burwell Road - Rochester, NY 14617 (pm 2-9; rec'd 2-13)

Hello everyone. Got more DX to report this time around, so here goes. December started out rather poorly with cx generally below average. On 12-10 I noted WFLR-1570 and WAJE-1580 on past their normal s/off times, the first stations I heard on PSSA. I thought the new PSSA rules were really going to be a big break for most of the nations's daytimers and increase the signals available for SSS DX but such is not the case. Most daytimers were granted ridiculously low PSSA powers, and thus they are not getting any relief at all as they look at the futility of broadcasting with such low power. As each year goes by I wonder more and more about the collective wisdom of that body known as the FCC. Maybe they should be known as the Federal Confusion Commission - they sure know how to create confusion. (Nicholas Johnson, where are you when we need you? -pls) More DX: 12-18 was a good morning here for DX with SS all over the dial and the WASG-1148 DX test in very well. MM 12-19 was even better as the KBYE-890 test made it although rather weakly. Two other newbies were heard that morning as WAME-1480 came in at 2:00 am and WBUK-1560 was noted with an ET from 1:31 am until about 2:15 am. The WBUK test featured about 3 people in the studio really laughing it up and having a good time while they played oldies. They were even asking for reports. 12-24 produced one more new station in WKZU-1350 (ex-WLNH) at 4:12 pm and then December closed out with the logging of WAVG-970 on the 30th at 5:31 pm. January was heard at 5:11 pm and then WMTS was heard at their 6:01 pm s/off. The 8th found some good cx to Northern Ontario at SSS and CPCH-600 was strong at 4:50 pm and then rare one CKGB-680 in Timmins was noted in CFTR's null at 4:55 pm. January 12 featured a good opening to the Memphis, TN area as WREC-600 was logged at 5:59 pm, WMSO-640 at 6:08 pm, and WHBQ-560 on top 6:10 pm. WREC and WMSO were both new loggings. January 14 produced some excellent daytime cx and around the noon hour most eastern and midwest clears were in well including WSM, WSB, and especially WHAS and WLW which had local-like signals. WPIT-730 was also logged and at 12:06 pm I got a big surprise when WFRB surfaced on 560 over CPCH for several minutes. SSS that day found CPCH-680 in again and also CHNO-550, WHEB-750 and WOKY-920. The rest of January provided some good DX as well and I'll get into that next time. Till then ... 73.

Craig A. Cook - 1985 E. Newton Ave. - Shorewood, WI 53211 (pm 2-16; rec'd 2-21)

Hello! It's been quite a while since I last Mused, so here's one that's overdue. 1983 was a fairly good DX season for me with 47 new stations heard. The best, in my opinion, was a December signoff of 750 kHz WHEB, Portsmouth, NH. They were all alone with no sign of WSB. New Hampshire was state #46 for me, leaving only Idaho, Nevada, Delaware, and of course, the elusive Alaska. Totals now stand at 1,117 heard. I had a piece of good fortune recently when fellow NRC'er Tom Steele led me in the direction of a near-mint HQ-180A which a local ham operator was selling. The man was upgrading his ham shack with new solid-state equipment, so he was asking \$150 for the Hammarlund (I talked him down to \$125). It works really great and is as clean as a whistle. The paint on the upper left-hand corner of the face plate was marred from being cleaned with a solvent, but it's nothing that can't be touched up. I owned an HQ-180 back in 1972 but sold it when I broke away from DX'ing in 1975. I have regretted selling it ever since. To me, there is just something about older tupe-type radios (Hammarlunds, Collins, etc.) that give them a touch of class. They are real workhorses and just plain fun to operate. (I agree! They have character, right? -pls) Conditions are still fair to good here in the midwest, but more and more atmospheric noise (static crashes, etc.) is being noticed. A nice verification letter, coverage map, and bumper sticker were received from WASG, Atmore, AL for the recent DX test. The letter mentioned that they operate with 3.9 watts of post-sunset power. It also stated that their 5/8 wave tower is located in the middle of a swamp! The mosquitoes, snakes, and leeches must love it when the engineers have to work on the tower - free lunch!! Ernie Cooper - best of luck with your surgery and may you have a speedy recovery! Well, I'll close it here. See ya later! 73's.

Bob Smolarek - RD #1, Box 63 - Whitehouse Station, NJ 08889 (pm 2-16; rec'd 2-21) Ever notice how conditions can change drastically in the same evening? On Feb. 14, a warm balmy night, before 7 pm, I picked up KCMO-810, WCPC-940, WMNM-920, and CKLN-800 were roaring in. After 7 pm all the 50 kw'er's from Chicago, Louisville, etc., were gone, replaced by Latin stations. While this was going on, I heard WNWS-790, and WBDX-1030, and XERF "Love 16" owned 1570, no CKLM. Then at 7:75 all of the 50 kw'er's were back. Later that



evening, WSAI-1360 roared in at 8:04 and WGHB-1250 was loud at 8:42. I have noticed, like Ernie Cooper, that WNYR-990 is coming in much better lately. A few weeks ago I heard WOKY-920 at sunset, my first from Wisconsin. Now my closest unheard state is Nebraska, and that should be easy if I have the patience to sit on 590. 73's.

Harry Hayes - 9 Henry St. - Wilkes-Barre, PA 18782 (pm 2-16; rec'd 2-21)

I was saddened to read the news of the death of Carleton Lord in the last DX News. I not only knew Carleton from the NRC conventions but knew him as a personal friend from his visits to his business at Forty Fort, PA just across the river from here. Condolences to his wife Betty. More news as of just today, 2-14. WBAX-1240 cans the Country and Western format and becomes "The Radio Station of the Stars" which is a hodgepodge of all kinds of music but is most heavy on tunes from the 40's. Also music from The Fifth Dimension, John Denver, Roger Whittaker, etc., also thrown in. From what I heard so far they are not automated or on the satellite any more. I wonder who they sold their antenna to? News of this change came to me by way of an ad in this morning's paper. I'm not sure if this is the first day of the format. While at work today my work mate had WKRZ AM on his radio as he always does every day, and all of a sudden around 10:30 in the morning they shifted out of their usual playlist of "Music of Your Life" type of musical artist that they usually play to more contemporary stuff like the milder Beatles tunes, David Gates and Bread, Captain and Tennille, etc. It's as if someone at the station glanced at the ad in the newspaper or else tuned to WBAX and heard the new format and said, "Hey, Jack, we better give them some competition." DX news next time around.

Roger Giannini - 1111 Forest Hills Drive - Belleville, IL 62221 (pm 2-16; rec'd 2-21) I'm getting the bugs out of the 180 with the addition of a Q Multiplier and am enjoying the tremendous selectivity. I can listen to WJR with WEW blasting away and can enjoy DX'ing next to WIBV in the daytime which is 4 1/2 miles from me. (It must stay dark in Belleville, hi! -pls) Steve also put new tubes and calibrated a military R520 Zenith TransOceanic circa 1953. The R520 isn't a DX'ing machine, but it's very pleasing to listen to it and with the Martens loop attached to the R520, DX can be respectful. Received a restored Gloritone #26 Cathedral from Bill Taylor of Unionville, PA and this goodie really has some audio with decent selectivity. I can hear WLW next to KSTL even in the daytime and have logged all the major 50 kw stations. I am now working as a Data Entry Operator at McDonald Douglas in Belleville, which is ten minutes from home and am on the third shift so I will be able to DX at dawn and do more daytime DX'ing. WLW is trying to cut into the ratings of WAKY, WHAS, etc. on their weekend oldies shows. I would listen more to Hill Street with Leonard on WAKY but their signal isn't always reliable with WMC or WTAR and the Cuban showing up. On the local scene KATZ is gospel days and simulcasts with WZEM for those who collect bumper stickers know of this. WESL is still urban contemporary. Paul Harvey news a few days ago while in Dallas over WBAP mentioned that AMen Carter bought the station in 1922 for only \$300 and the calls stand for We Bring A Program. It would be interesting to know what other 50 kw stations cost way back when. I would like to suggest that the new NRC log should have Cuban and Mexican stations that one can always receive or at least a page listing possible Latins to be heard. Do you realize it's 30 years ago that Elvis started out over WFPS, now WKDJ, and 20 years ago that Muhammad Ali won the heavyweight title during the days when one could always count on listening to a championship fight on radio. If my memory is correct, the ringside announcer was Dom Duffy, correct me if I am wrong. I am collecting radio keychains and would enjoy corresponding with those who have ones to trade. 73's.

#### Radio Round-up

Pete Kemp - Bethel, CT (pm 2-20; rec'd 2-22)

Greetings all ... The FCC has proposed de-regulating remote control rules for studio-to-transmitter operations ... in St. Louis, Charlie Brown has jumped ship at KXOK and joined the boys at KMOX; he'll do the evening drivetime a car accident January 16 ... CHIN, in Toronto, now has competition in the multi-lingual programming market, with the addition of CKMW, Brampton, ON to the airwaves ... Radio certainly took the wind out of television's sails with the Olympic coverage recently. Television delayed coverage for prime time, while radio gave the results instantly. Knowing that the U. S. started out the events by losing for Canada in hockey seemed to have set the stage for viewer tune-out (nobody wants to watch a loss), although some bright spots were later to come forth. Sunday's coverage took the cake; all the news-world proclaimed the one-two finish by the Maher Brothers in skiing, but ABC-TV would only say "Stay tuned in tonight at 7:00 pm Eastern Time for the results." One would have to live in a cave not to know the outcome. I am sure that the Summer Games will get much better support, as the time lag will be minimal for us; TV reruns will be all over the tube, and we broadcast band DX'ers will be busy listening to the static ... The Big Apple's own, Mayor Koch, was a guest DJ on WNEW, in

conjunction with the station's 50th Anniversary ... WNBC has been busy re-arranging their DJ line-up. Johnny Dark goes to the overnight position, Frank Reed mid-day, followed by Howard Stern 3-7 pm. At 7 the syndicated "History of Rock and Roll" takes over for an hour, followed by Allen Beebe 8 to midnight ... WCAS, in Boston, recently went off the air for three days, after the General Manager quit and thirteen staffers followed him out. The new owners, Wickusisland Broadcasting, must have ruffled someone's feathers ... In the City of Brotherly Love, Philadelphia, Dan Donovan has returned to WFIL, replacing Jim Nettleton. Donovan had previously been with the station from 1970-79 ... WYNX has joined the Braves Baseball Network. Now that the Braves have moved their operation to WCNN, WSB has terminated its nightly sports-talk show, 7-10:00 ELT, and replaced it with Bob Mohan's "Sound Off" ... so much for now.

Brock H. Whaley - 442B Kalaimoku Street - Honolulu, HI 96815 (pm 2-21; rec'd 2-23) (808) 941-4547 The last time I Mused, the U. S. had clear channels (And how many states? hi! -pls), so a brief reintroduction is in order. I am 29 years old, and have spent the last twelve years working as an AOR announcer in Florida, Denver, Chicago, and now at KPOI-FM here in Honolulu. I have been a DX'er for about 20 years, primarily DX'ing BCB and longwave. I used to enjoy TV DX'ing, but with the current sunspot decline, my hopes of seeing one of the low-banders in New Zealand will have to wait. I have been in Hawaii since October, 1983 and have found myself spending more time on the SW bands as the QTH is so different than the EC locations I am used to. I have found that the geographic oddities of Hawaii are quite interesting from a DX'er's point of view. Despite being surrounded by salt water, the ground conductivity on Oahu seems to be quite poor. I am sure many members would be surprised in the rapid drop of local signal strength one experiences when driving from the city of Honolulu to the North Shore of Oahu. Skywave DX varies with location as well. I live in Waikiki and have been able to hear many Pacific and DU stations. On the other hand, in Kaneohe on the eastern side of the island, stations from the U. S. and Canadian mainland dominate, with Pacific DX being much weaker. A perfect compromise would seem to be the North or South shore of Oahu where I have driven at sunset and been amazed at the amount of U. S. clear, regional, and local stations that boom in with great strength on my Panasonic car radio. The QRM here in Waikiki is tremendous, lots of power line noise and TVI even on the loop. As many of you know, most of the MW stations here share towers, i. e. KSSK-590 5 kw, KORL-650 10 kw, and the former KPOI-1040 k0 kw share a tower less than a mile from my QTH. I have to wonder how much the overall efficiency of these stations are diminished due to shared use of the tower. Surprisingly, the spur and mixing products aren't as bad as you might think, and luckily, almost half of the MW stations in the state sign off at local midnight. MW equipment here is an HQ-140-X, 20-foot longwire, Palomar loop, homebrew antenna tuner, and for longwave add a Palomar converter and a home brew (one 6BA6 tube, thank you please) preamp. Here's a small list of stations that are so strong and consistent here that a simple consumer 6-transistor job would have no problem picking them up on a nightly basis. (The locals on 650, 1040, and 1540 are off at midnight) - 648-American Samoa WVUV, 1017-Tonga A3Z, 1020-KTNO Los Angeles, 1035-New Zealand 2ZB, 1044-China and 1548-Australia 4OD. On longwave, the Russians on 155, 182, 191, 245, and 272 kHz are in every night, with 191 kHz at armchair level! It sure is a switch from the years I used to spend in Florida and Chicago going deaf from power line noise, straining to hear France on 164 kHz! And now, a trivia question. In the 1930's, comediant Ed Wynn tried to start a new radio network. What was the name of the network? What year did it start? And what was its key station? Art Fleming and I will be back with the answers and another question next time. Until then, 73 and good DX.

Neil G. Zank - 623 Lyncrest Dr. - Lincoln, NE 68510 (pm 2-22; rec'd 2-24)

DX items of note for February have brought the total heard new to 30 stations since my season began 9-1-83. Noted so far this month are 2-6 KBSM-1030 Blue Springs, MO, new on the air during daylight here with "Suburban 1030 Radio" ID slogans, seemed to play modern country music to most. 2-13 heard KLEE-1480 Ottumwa, IA good on ET of some rock mx and OC plus one ID, 1-55-2:10 am ELT; and on 1400 another ET'er with pop mx and OC and ID which I am sure said KCOG Centerville, IA, 2:20-2:35 am. And then on 2-16 evening got decent signal from WBDX-1030 White Bluff, TN with HS basketball remote broadcasts of girls and boys' games, plus many local ads 9:15-9:45 pm. This kind provides a lot of nice material to use in a reception report. Love 'em. A little more activity in the verie department has provided WLIM and KAA, new here. CPC interests along with HQ have developed a program of certificate award to testing stations; this salutes their cooperation with the NRC. We are in the process of issuing awards to each of the stations involved this current season. We feel this helps promote station/club recognition. (Excellent idea, Neil -pls) /// For the first time in a couple of seasons I am even getting around to sending out a few followups on outstanding reports. It is too soon to tell if this recent activity will provide any relief. I suspect that it will help a little. /// Next week I may take a few days for a trip to visit at Cedar Rapids, IA. If so, I plan to acquire a copy of the book on the 50th Anv. of Collins Radio Co. located there. So until next Muse, I remain a fan of Buffalo K. Foonman.

Skip Arey WB2GHA - P. O. Box 421 - Mount Holly, NJ 08060 (pm 2-21; rec'd 2-24)  
Good Morning, Campers! It has come to my decided attention



That I have not brought forth a Musing in quite some while. Tisk Tisk upon me for this blatant oversight. (I should say so, hi -pls) Let me begin up front with a brief re-intro for the new troops in our midst. I am 38, married, employed as a Probation Officer for Burlington County, NJ (offices one short block from where WJZ used to have its studios before it went dark). I am editor of the Hollow State Newsletter, I am on the publishing committee of NASWA's FRENEX magazine, I am very active as well in amateur radio (especially County Hunting). My DX gear centers primarily around an R-390A and I have temporary stewardship over a prominent DX perosnage's HQ-180A. I carry my Panasonic RF-9 wherever I go and I have brought into the world a number of ultra-modified Radio Shack TRF's. I bring to this issue a piece of news and commentary. It was reported this week that Larry King will no longer be carried by 1-A WCAU-121B. They are dropping him in favor of all-night talk host Richard Hayes who until now was working for FM outlet WJDB-96.5. The reason given was ratings. I would suspect that Mr. King will be selling his services to a number of stations to make up for the loss of WCAU's extensive coverage atrea. DX'ing this season has been so-so. Conditions have fluctuated drastically all through the season, but never seemed to get good enough to present any real surprises unlike previous years, and as another season comes to a close, KFI continues to elude me to the point of obsession. My 1984 WRTVH came the other day. It is a good supplement to the NRC log because it gives the full street addresses of stations (at least those over 10K watts in the U. S.). You might have noticed that it seems that the USPS is no longer making an effort to attempt to deliver partially addressed mail. I can harken back to a time in DX'ing when a station's call letters and home city would often get you through. Not so these days. So spineth the wheel of BCB DX'ing. Good Night CARLETON LORD and Farewell DX'er. 73 de SKIP and REDI KILOWATT.

Harold D. Tate - P. O. Box 183 - Bridgeport, WV 26338 (pm 2-22; rec'd 2-25)

Hello again from Central West by-gosh Virginia. It's been awhile since I've had a few minutes to Muse. Getting started in real estate and ham radio have been taking the lion's share of my free time. Worked some 300+ stations in the recent Novice Roundup but somehow managed to miss everyone on Russ Edmund's list of hams in the club. (Russ, it's really Harold, now Howard.) Hope to work some of you later. Recent loggings include: 1-2: WYNC with ads, c&w mx, and s/o on 1540; 1-17: WNYC-830 financial news; 2-5: WCGR-1210 with c&w mx; 2-8: WKYB-1000 with gospel mx; 2-17 WCRK-1150 with country rock; 2-18 WSRF-1580 with rock oldies; and 2-18: WRBQ-1380 as Q105 stereo 1380 with rock mx. Recent veries in include WABJ-1490-f, WAME-1480-1, WQXM-1120-1, CJRN-710-1, WITN-930-1, WMLB-1550-1, WPLI-1078-c, WYNC-1540-1, and WKYB-1000-C. As another winter listening season passes quickly, here is my wish list for NSP stations to take a silent period for whatever reason! How about WCFL, KDKA, and WBZ all off on the same night with no open carriers, or WCAU and WGAR going silent together just once. I like to hear some local pests go to bed every once in a while such as WKBN, WCHS, WSJS, WMAL, WNBC, CBF, WLW, WSB, WABC, WBBM, WGY, WHAS, WJW, CHML, WFIR, WRC, WIBC, WBAL, WVA, WHAM, WOWO, WXYZ, WJAS, KQV, WCMB, WKBW, WCKY, KXEL, WQXR, and CBJ. So, guys, if you have a contact with any of these powerhouses, please do a poor hillbilly a favor. For the time being my local AM stations do take Monday mornings. Oh, for the good old days of the early 60's or Harry's clear air in Pickens, WV. Oh, maybe some good PR from NRC members will help make 1984 a year to remember. CUL and 73's.

Jerry Strawman - 519 - 30th Street NE - Cedar Rapids, IA 52402 (pm 2-21; rec'd 2-25) Having been a member for the past year, a Musing and introduction is in order. Age here is 35 years. I started listening to radio in the late 1950's on a clock radio and got my first SW radio in 1962. The SW rig is a Hallicrafters S-120 (MY first SW radio, too! -pls) with 4 tubes and a rectifier. Still have the radio and it works well. I'm married, with a son 8 1/2 and daughter 11 1/2. Five finches, a canary, a parakeet, Hamster, and guinea pig round out the household members. I enjoy listening to all types of radio broadcasting, from LW through UHF. Current equipment includes ICOM R-70, Hammarlund HQ-160, and Hammarlund HQ-180 AX. They're fed RF via random wires and homebrew ferrite loop. My special interest in the hobby leans toward the technical side. Building projects, aligning radios, and constructing antennas is where it's at for me. That's the nice thing about the radio hobby - it has something for everyone. Each person can pursue his own special interest. I live five clicks from where Collins Radio builds all of its commercial, amateur, military, and avionics gear. The thing one first notices, when approaching the Collins facility, is their mammoth rotatable log periodic antenna. It's on an 80-ft. commercial tower, has a 72-ft. boom, and is fully tunable down to 5.8 MHz. If you think I wouldn't like to hook up the R-70 to that, you're crazy. Since I began listening to MW seriously two years ago, 521 domestic and Canadian stations have been logged with foreign stations heard pushing the total close to 600. I would be glad to correspond with anyone on any radio subject. Before I close, thanks to Bill Marvin for his HQ-180 alignment article, to Dr. Lankford for his ferrite loop work, and to Mark Connelly for his technical articles. Bill's alignment procedures worked well on both my HQ-160 and HQ-180AX. I extended this general procedure to aligning the RF, HF oscillator, and Antenna

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coils on both radios with excellent results. Anyone contemplating doing this to their rig should have no fear. It really is simple, if you go along carefully. Probably have gone past 30 lines, so will close for now. 73 and good listening. (And a hearty welcome to another midwesterner, Jerry. Muse often! -pls)

Paul Swearingen - 7318 Ensign Ave. - Sun Valley, CA 91352 (818) 765-7651

Thanks to new member Terry Smith and Greg Hardison, Ron Musco, IRCA'er Gary Larson (sign him up!) and probably others of equal importance for recent phone calls, most of them dealing with the impending Twentynine Palms DXpedition. Anyone wishing information about the Martens loop can get a bit more speedy reply by writing to my address above; send \$\$ to Dajay Imports, not me. We may be importing other goodies in the near future as we locate sources, and if you have any suggestions about quality merchandise from obscure places, send them along with your next Muse! I'm pleased that new members are Musing; remember, you don't have to write a lot to get in these pages for the first time; just include a little about yourself to break the ice. Also, we're thinking seriously about the next edition of the NRC Domestic Log; send suggestions, if you like. Till next time ... 731.

## SPORTS NETWORKS

Barry S. Finkel  
10314 S. Oakley Ave  
Chicago, IL 60643

Here is the latest information concerning the USFL flagship stations. There are three teams that have not announced stations yet. The size of the network is listed in parentheses. The lack of a network size does not imply that there will be no network. I hope to have network lists soon. Please send me any that you might have.

Arizona Wranglers (Phoenix)	550 KOY (8)	New Jersey Generals	710 WOR
Birmingham Stallions	1070 WAPI (92)	New Orleans Breakers	1060 WNDE (135)
Chicago Blitz	820 WAIT	Oakland Invaders	810 KGO (4)
Denver Gold	560 KLZ (33)	Oklahoma Outlaws (Tulsa)	740 KRNG
Houston Gamblers	1070 KRBE <sup>a</sup>	Philadelphia Stars	
Jacksonville Bulls	102.9 WIVY-FM	Pittsburgh Maulers	860 WAMO
Los Angeles Express		San Antonio Gunslingers	
Memphis Showboats	560 WHBQ (50)	Tampa Bay Bandits	970 WFLA (45)
Michigan Panthers (Detroit)	1270 WXYZ (15)	Washington Federals	630 WMAL (11)

<sup>a</sup>also on KRBE-FM (104.1)

Here is some more hockey information.

Toledo Goaldiggers (IHL) 1470 WOHO-OH (no network)  
Muskegon Mohawks (IHL) 850 WKBZ-MI (no network)

Major league baseball, coming soon to a "DX News" near you. My thanks to Ken Onyschuk, Bob Walker, and "Billboard" (01/14/84) for assistance with this column.

Format of the Month.....CONTINUED FROM PAGE 22

Well, this is it..thank you very much, Walt, for the survey of the Metro Miami area...and to Mike and Sue for forwarding the info about the stations from northern and eastern Maine. The next column will feature Arizona Radio, as we leave for Tuscon in two days...and ex-NRC'er Bill Croghan, CE at KCEB has some goodies all ready for us!! Keep those formats rolling in!!

All for now...

73's  
7-17



We are lucky to have on hand some interesting material compiled by Walt Rogers, NRC member, of Miami Beach, FL., as well as a clipping from the Bangor, ME., Daily News, which an unidentified person (so, alas, I cannot give the appropriate credit) mailed to Mike and Sue, and they forwarded it to me. So, we hear from rarely mentioned stations in Bangor, and in the vast Down East regions of the Pine Tree State. In fact, this column is unique, as we look at the AM stations at each end of the East Coast's main street, I-95. Here we go:

540	WGTO	FL	Cypress Gardens	- CWM, News at :54.
560	WQAM	FL	Miami Beach	- CWM, NBC News, ID's as "Sun Country".
620	WZON	ME	Bangor	- Ad Com, NBC News at :54, local News at :25 and :40, Rel Sunday AM.
610	WIOD	FL	Miami	- Ad Com, lotsa talk evenings.
600	(Oops, out of order....ah, the			joys of hunt n' peck typing, hi!!!)
	WPST	ME	Caribou	- CWM ABC Directions News at :15 and :45.
710	WQBS	FL	Miami	- News, Talk, Larry King.
710	WOZW	ME	Monticello	- CWM, CBS News and Features, simulcasts with FM, WOZI, which is 24 hours, NSP.
740	WSBR	FL	Boca Raton	- BBD, all News during drive times.
770	WKZY	FL	North Fort Meyers	- BBD Stereo.
790	WNWS	FL	South Miami	- News, Talk.
850	WEAT	FL	West Palm Beach	- "News Talk 85".
910	WABI	ME	Bangor	- Ad Com Music, ABC News on the hour, heavy school sports, also Boston pro sports.
940	WINZ	FL	Miami	- News, Talk (The citizens of Metro Miami must be very informed!)
950	WKZX	ME	Presque Isle	- Heavy News and Information, Sports, Larry King, Ad. Com. Music, ABC News on the Hour.
980	WBSS	FL	Pompano Beach	- Rock Oldies.
1080	WVCG	FL	Coral Gables	- Religion (EE - Days/SS nights-some Creole, Haitian on Weekends).
1140	WQBA	FL	Miami	- "La Cubanissima", SS Talk Days, music Nights.
1150	WQMR	ME	Skowhegan	- CWM, NBC on the hour, Christian Music from 6:00AM to noon on Sunday.
1220	WCMQ	FL	Miami	- Spanish, SS and EE Rock music.
1230	WQDY	ME	Calais	- AP Net News, Musical Variety, many syndicated music shows on the weekend.
	WSJR	ME	Madawaska	- CHR Music, simulcasts with WLVC, Fort Kent.
1240	WMKR	ME	Millinocket	- CBS News on the hour, EZL and CWM.
1260	WSUA	FL	Miami	- Spanish, SS and EE rock music.
1300	WFPQ	FL	Marathon	- "Keys Country, CWM, ABC News.
1320	WLQY	FL	Hollywood	- MYL Music.
1340	WDME	ME	Dover-Foxcroft	- EZL Music, ABC News on the hour, many features, high school sports, variety.
1360	WKAT	FL	Miami Beach	- BBD
1370	WDEA	ME	ELLsworth	- CBS News and Features, CWM, very heavy on features and pre-recorded talk.
1390	WEGP	ME	Presque Isle	- CHR Music, Mutual News.
1400	WPTL	FL	Fort Lauderdale	- Pop rock.
1400	WMCS	ME	Machias	- Gospel and CWM, hours are 5:00AM to 10:00PM, simulcasts with FM.
1430	WQDI	FL	Homestead	- CWM, UPI News.
1450	WOCN	FL	Miami	- Spanish, Heavy News during the dayID's as "Union Radio".
	WLKN	ME	Lincoln	- CWM, ABC News on the hour, simulcasts with FM 24 hours daily.
1490	WMBM	FL	Miami Beach	- Bl/Soul "Rock'n Soul".
1520	WEXY	FL	Fort Lauderdale	- Religion.
1550	WRHC	FL	Miami-Coral Gables	- Spanish, mostly music.
1570	WRHD	NY	Riverhead	- MYL type music, ID's as "Unforgettable WRHD", ABC Directions News, this is a call as well as a format change.
1580	WSRF	FL	Fort Lauderdale	- Rock oldies, ID's as "Surf Radio"
1600	WKWF	FL	Key West	- MYL, UPI News.

and one more - an unusual one!!

1230	WBME	ME	Belfast	- All News for Belfast!! Features CNN news, local news, lots of local sports. And...NSP!!
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h = Harris, k = Kahn/Hazeltine, m = Motorola, x = Magnavox, \$ = unknown  
If station (or stereo equipment provider) has announced at different times that station has bought more than one system, all of them are listed. Generally, information is unconfirmed.

550	KDY	AZ	Phoenix	k	1080	WTIC	CT	Hartford	k
550	KSD	MO	Saint Louis	\$	1080	KYMN	MN	Northfield	h
550	WGR	NY	Buffalo	h	1090	KRZY	NM	Albuquerque	m
550	KTSA	TX	San Antonio	k	1110	KRLA	CA	Pasadena	k
560	WOOF	AL	Dothan	h	1110	WBT	NC	Charlotte	k
560	WFIL	PA	Philadelphia	k	1140	WASG	AL	Atmore	m
570	WSYR	NY	Syracuse	k	1140	KMJJ	NV	Las Vegas	\$
570	KRQX	TX	Dallas	m	1140	WRVA	VA	Richmond	x
580	WDBO	FL	Orlando	k	1150	WJBD	LA	Baton Rouge	h
590	HOW	NE	Omaha	k	1150	WHUE	MA	Boston	\$
610	WSGN	AL	Birmingham	k	1160	KSL	UT	Salt Lake City	k
610	KFRC	CA	San Francisco	k	1190	WGKA	GA	Atlanta	h
620	KGW	OR	Portland	m	1190	WOHO	IN	Fort Wayne	x
630	KHOW	CO	Denver	h	1220	WGAR	OH	Cleveland	h
630	WMAL	DC	Washington	h	1230	KBCR	CO	Steamboat Springs	m
630	WQBS	PR	San Juan	h	1230	WCUZ	MI	Grand Rapids	h
640	KFI	CA	Los Angeles	hm	1230	WCOL	OH	Columbus	h
650	WSM	TN	Nashville	hm	1240	WHIZ	OH	Zanesville	h
660	WNBC	NY	New York	k	1240	KTAM	TX	Bryan	h
660	WESC	SC	Greenville	h	1250	KPRE	TX	Paris	h
670	WMAQ	IL	Chicago	k	1260	KGIL	CA	San Fernando	h
680	KNBR	CA	San Francisco	k	1260	KOIT	CA	San Francisco	m
680	WPTF	NC	Raleigh	h	1260	WDEI	IN	Indianapolis	m
680	KKYY	TX	San Antonio	m	1270	KAJD	OR	Grants Pass	h
700	WLW	OH	Cincinnati	k	1270	KIML	WY	Gillette	h
710	WGBS	FL	Miami	k	1280	KJOY	CA	Stockton	m
720	WGN	IL	Chicago	hk	1280	WQUE	LA	New Orleans	k
740	KRMG	OK	Tulsa	m	1280	KIT	WA	Yakima	h
740	WRPQ	WI	Baraboo	h	1300	WOOD	MI	Grand Rapids	k
750	KFQD	AK	Anchorage	k	1310	WISE	NC	Asheville	h
750	WSB	GA	Atlanta	h	1310	KRAM	TX	Dallas	k
760	WJR	MI	Detroit	h	1340	WXOR	AL	Florence	h
710	WORA	PR	Mayaguez	m	1340	KOCY	OK	Oklahoma City	hm
770	WJMW	AL	Athens	h	1350	HHWH	NJ	Princeton	hm
770	WABC	NY	New York	k	1350	WGSW	SC	Greenwood	m
780	KROW	NV	Reno	h	1360	WCHL	NC	Chapel Hill	m
780	WCKB	NC	Dunn	h	1370	KEEN	CA	San Jose	h
790	WQXI	GA	Atlanta	hk	1370	KSUM	MN	Fairmont	h
790	KKBD	TX	Houston	k	1370	KXLF	MT	Butte	h
820	WAIT	IL	Chicago	m	1370	WSPD	OH	Toledo	k
840	WHAS	KY	Louisville	h	1380	WDHK	IN	Fort Wayne	h
850	WKIX	NC	Raleigh	h	1380	WPLB	MI	Greenville	h
850	WHIG	TN	Knoxville	\$	1390	WFBR	MD	Baltimore	k
880	KJJR	MT	Whitefish	h	1390	WCSC	SC	Charleston	k
880	KWIP	OR	Dallas	h	1400	WILI	CT	Willimantic	h
890	WLS	IL	Chicago	hk	1400	WSIC	NC	Statesville	h
900	WATV	AL	Birmingham	k	1410	WING	OH	Dayton	h
910	WLAS	NC	Jacksonville	h	1430	WIRE	IN	Indianapolis	m
910	WPRP	PR	Ponce	h	1430	WDEX	NC	Monroe	h
920	KDRK	NV	Las Vegas	h	1440	WGEM	IL	Quincy	h
920	KKLS	SD	Rapid City	m	1440	WFTD	MA	Worcester	k
930	KHJ	CA	Los Angeles	k	1460	KSD	IA	Des Moines	h
930	KOGA	NE	Ogallala	h	1460	WBRN	MI	Big Rapids	h
930	WSOC	NC	Charlotte	h	1470	KRBC	TX	Abilene	h
930	KAGI	OR	Grants Pass	h	1470	WSAN	PA	Allentown	m
940	KFRE	CA	Fresno	h	1480	WISM	WI	Madison	m
950	KJR	WA	Seattle	h	1490	KAIR	AZ	Tucson	h
980	KMBZ	MO	Kansas City	k	1490	WESL	IL	East Saint Louis	\$
1000	KOMO	WA	Seattle	h	1500	KTOL	WA	Lacey	x
1010	KLRA	AR	Little Rock	h	1540	KZLA	CA	Los Angeles	m
1010	WKQT	LA	Garyville	m	1540	WBCO	OH	Bucyrus	h
1010	WITL	MI	Lansing	m	1550	KQWB	ND	West Fargo	m
1010	WHIN	TN	Gallatin	h	1560	WPAD	KY	Paducah	h
1020	KDKA	PA	Pittsburgh	k	1560	WQXR	NY	New York	k
1030	KHOG	AR	Farmington	\$	1580	KDAY	CA	Santa Monica	h
1030	WBZ	MA	Boston	k	1580	KLOU	LA	Lake Charles	h
1050	WGRY	MD	Silver Spring	h	1590	KYDK	TX	Houston	k
1060	WNDE	LA	New Orleans	h					