

# DX Monitor

# **Devoted Exclusively to Broadcast Band DXing**

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1983 "IRCA ALMANAC" - BRAND NEW AND ON ITS WAY!
Volume 3 of the "IRCA Almanac" is finally at the printer and should be

off the presses shortly.

We apologize for the extra delays in getting everything together, but the final product should be worth the wait. We have the most up-to-date information, and several sections that had wholesale revisions were updated just in time for the deadline.

The Almanac is a handy 164-page reference designed for use with a

station log such as the NRC or VJ Logs. Here are some of its contents:

• 1983 Frequency Check List

• U.S. and Canadian station changes to update the 1982 NRC Log

Lots of station lists, all arranged by AM frequency, including:
 ▶ All national radio networks, with schedules and hourly news formats

► State and regional networks

► Talk shows like Larry King, ABC Talkradio, NBC Talknet
► Music shows including Music Country Network, Night Time America,
Solid Gold Saturday Night, Silver Eagle, and a dozen more,
with air times in Eastern listed for American Top 40, Dick Clark National Music Survey, American Country Countdown (for AT40 we also listed the overseas outlets in GMT for the "down under" DXers!)

Music of Your Life

- ► All three formats of Satellite Music Network
- ▶ Religious programs such as Back to the Bible and Country Crossroads

Canadian networks and audio services

► The latest pro sports networks -- NBA basketball, NHL hockey, NFL/CFL football, baseball -- and the FM's are listed too!

• Station slogans -- the complete list

• The latest update of the Canadian Twins feature

· Stations using AM stereo, and which system

· A complete list of TIS, beacons, remote broadcast pickup, and other utility stations from 510 to 1750 kHz

• Glossary of DX terms
• Original articles for everyone, from the beginner to the expert If you haven't yet ordered your Almanac, do it today to insure delivery as soon as it's off the press. The price is \$5.50 for IRCA or NRC members, \$7.50 for foreign members. Non-members add \$1 to those prices.

This year, the Almanac is available in two formats: Traditional com

This year, the Almanac is available in two formats: Traditional comb binding, and looseleaf for use in a ring binder. Those ordering looseleaf will be able to insert new pages between Almanac editions, appearing in the pages of DXM (f/c list, baseball networks) or sold as reprints via the Goodie Factory (more marginal stuff). Specify comb-bound or looseleaf when you order. Check or money order payable to IRCA goes to the IRCA Goodie

Factory, P.O. Box 17088, Seattle, Wash., 98107.
I suppose I'm biased, because I've been slaving over this project for six months now, but I think it's the best Almanac ever, and you won't be disappointed! I'm sorry for the delays and I hope you'll agree that the end result was worth waiting for. Thank you! ----Bill Hardy,

Almanac Project Coordinator

# \* \* New Members \* \*

IRCA—Our 17th Year

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# RENEWALS AS OF 14 FEBRUARY 1983

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# EASTERN DX FORUM

(215) 368-8067 RICHARD EVANS P.O. Box 1294 NORTH WALES, PA 19454

Reports from members living east of the Mississippi River Deadlines: Saturdays thru 3/19, 4/2, 4/23, 5/14, 6/11, 7/9, 8/6.

Deadline for anniversary issue will be 3/12/83.

Niel wolfish, 15 Donwoods Grove, Toronto, Ontario M4N 2X4

Last week I had mentioned that CHUM was hinting at a new promotion.

Turns out that CHUM-AM has come out with a"CHUM Card", available at McDonalds that will enable CHUM listeners to win prizes and get discounts on various items. Meanwhile, CHUM-FM has been bragging about "Super Bowl T-Shirts". They probably printed 3 of them... Still, any promotion by a local station is an event!! Considering the size of our city and the number of radio stations, there are no comparisons to a similarly sized city of 3 million, such as Boston. Nothing ever happens in Toronto radio. On the topic of the static nature of local radio: Rumour has it that CJCL-1430 will soon be going to a new format, aiming at the black population of Toronto (who currently can listen to Buffalo's WBLK-FM or WUFO-1080). The format would follow T-40, oldies, C&W and AdCon/Tlk, formats that have all failed on CKFH/CJCL-1430.

Don Moore, Apartado Postal 3, Santa Barbara, S.B., Honduras (cont. from last week...) Charles George, your unID on 925, 11/27/82 DXWWE, could be the TG,on 1200-0600 daily. They are active and strong here. Of course, HC is there too, though not heard here. Mark Connelly, enjoyed your TA articles. Interesting. I stopped there yesterday. Last night, 1/26, had an excellent TA opening and found those articles quite usefull too. Now have 7 countries and 12 stations here from Europe; before last night it was 3 and 4. Details foing to DXWW-E. When I got back from the states, I moved to a different house, in a village about a mile outside Santa Barbara. Much quieter and farther from my locals, plus the school I work with is located here. Address stays the same. 73s.

Richard E. Wood, College of Education, P. O. Box 959, Abha, Saudi Arabia "It's 9 o'clock in Swaziland, you're tuned to the MW service of Trans-World Radio." That prompt and clear ID brought me country #60 and my deepest southern logging yet, on 2/1. And a booming signal on 1170, level with R. Moscow's Arabic service beamed this way. Now I have heard one country bordering on South Africa, Mozambique, plus one entirely surrounded by it, Swaziland, so I hope in future to hear S.A. itself. It isn't as easy as it might have been in former years though, because MW broadcasting is being phased out in S.A. and the number of transmitters reduced. (The same was proposed for Canada a few years ago, though the horrifying list of new Canadian assignments now suggests the opposite trend). I suspected something new and interesting as soon as I heard English-language music on 1170. I knew it couldn't be Moscow, and Djibouti is on 1169 and was off by then (1900 GMT) anyway. I was stumped by the absence of any likely listing in the WRTH's by-frequency MW listing for Europe, Africa and MidEast--a simple omission error, as TWR appears in the country listing under Swaziland. Announcer sounded American. Country #59 was equally easy: Bahrain has inaugurated a new high powered outlet on 801, heard with Arabic ID simply as "Idhaat ul Bahrain" and news 1600 1/30. A poor choice, with Amman and Rezaiyeh, Iran, also on 801. This will be a new country for most DXers. I have a daytime mystery on 801 in an Ethiopian langauge. It is weak but steady during local daylight, say, 0500 to 1300, and seems non-political, with much Western music. Is not // to any known Ethiopian MW or SW, Djibouti, Hargeisa, Mogadishu or Sudan. I'm sure the BBCMS in Kenya could help, and I wish IRCA still subscribed to and reprinted EBU and other monitoring service reports. Judging from its nonpolitical tone and stability, I don't think it's an Eritrean clandestine. Will keep working on it and may play tapes to Somalis living here, but non-DXers are notoriously poor at deciphering tapes of weak, staticky stations. Finally, country #58 was Pemba, Mozambique, listed 5 kw on 1494, but actually using the old spacing of 1493, with "noticias da cidade de Pemba" in perfect Lisbon-accented Portuguese 1745 on 1/29; at 2015 had Western music. Christian fundamentalist King of Hope in occupied Lebanon has moved from 945, where I had Ethiopia QRM. to better 1593; like TWR Swaziland, has U.S. announcers and light gospel music, to s/off 2300; Voice of Hope SW 6215 is mostly //. Have hung an antenna between 11th story balcony and mine on 6th floor, and it helps. 73.

Gary Mitchell, P. O. Box 184, Cornwall Bridge, Connecticut 06754

After local GE service centers thought I was crazy I finally sent my GE Superadio plus to GE in Utica, NY and believe it or not it came back and they did do something to it. It now not that bad compared to older Superadio. I have a problem. Please anybody drop me a 13¢ postcard. I am shopping for an AM-FM stereo unit that also has an AM section (I mean one that works!) A few years ago virtually any stereo with connection for external AM antenna was pretty satisfactory when connecting such. Poor selectivity with locals but otherwise pretty good for AM. I went through 30 brands from retail outlets using harge cards and returning after home test. Every unit had an AM section that was so bad it could be termed non-existent or one that was so out of whack that you listen to the BBC on 600 kHz. Do not even talk about connecting external antennas. They tell consumers to connect longer wire to jack for better reception. Any wire from 2 inches to 2000 feet worthless. Touch the jack with your fingers and you get shortwave from 540-1600 kHz. Birdiesimages-harmonics, blips, blops, or ??? Is the AM-FM stereo market really this sick? The FM works fine. Please somebody refer me to a unit that is reasonable for AM!!! It is convenient to have a suitable AM section to FM stereo and works good with cassette decks attached, etc. Somebody must know of brand that is acceptable. Please!! \$200-300 range. (Also anybody good at modifications?)

Zuk, 154 Old Post Road, Croton, New York 10520 I finally got a look at the new Superadio, Model 7-2881. It has the same black metal screen over the speaker, but now has a mostly silver face, light-touch pushbuttons for band selection, that are combined with the power switch, and a LED built into the dial pointer as a tuning indicator. It still has the same 700 mw audio output and bass and treble controls. I'd be interested to know if anyone has tried this rig outside a store's showroom. Another item that seems interesting is a gadget made for the broadcasting industry by UREI of Sun Valley, California. It is their model 565T, known as a "Little Dipper". It takes up about 3½ inches of standard rack space. It is an extremely narrow peak and/or notch filter combined with low and high cut filters to determine either end of your audio spectrum. So far, I have gotten to tinker with it just a little, but as soon as I gain some experience in its usage, I'll write a review of it as it relates to the DXer. From what I've heard, it beats everything made for filtering really lousy audio sources, and it might be helpful in pulling out that almost readable ID. I'm sure it would be price prohibitive for everyone except the most esoteric DXer; probably at least a couple of hundred bucks. It claims it can get as narrow as + or -5% of the frequency with everything outside that width at least 60db down. Finally, I have put up my first quasi-beveridge. It is 500 feet of wire strung around the border of my property in a large loop using the town's water pipes as a ground. Although it works quite well, I'm sure it's not as good as a straight line beveridge terminated at both ends. I can hear WLS on 890 all day long with a 50 kw WCBS only 40 miles away. 1500 feet WLS on 890 all day long with a 50 kw WCBS only 40 miles away. of wire must be truly amazing. And I finally heard Linda Ronstadt's home state of Arizona: KNIZ from Tempe on a freak on 1580. The amazing aurora strikes again! Best to all.

Richard C. Evans, P. O. Box 1294, North Wales, Pennsylvania 19454
Yes, we did get some of the snow from the big storm that hit the
east coast on 2/11. Doylestown, about 11 miles northeast of here, had 27
inches of snow, according to the news tonight. I wasn't able to clear
the box for reports on 2/12, but I don't think any mail was brought up
from the sectional center, anyway. Had looked forward to the chance to
DX with snow on the ground since it does make a big difference, but spent
my time today shoveling snow, both at home and at the church. Question:
around Thanksgiving, I picked up an Emerson table radio—tube—type—with
the old antenna system of wire wrapped in a coil on a fibreboard backing.
It's a U-shaped radio dial with the odd setup of 540 on the bottom right
and 1600 on the bottom left. It appears to be an old kit radio, made at
home. Does anybody have an idea of the value of the radio? (I picked it
up as a handy desk radio when we moved the furniture out of the home of
an elderly aunt of a friend of mine.) PTL.





RADIO STATION KVBR BUILDING BRAINERD, MINNESOTA 56401

# BALTIMORE BY NIGHT

... a MWDX overview by Mark Connelly, WA1ION

#### with comparison to night DX in the Boston, MA area

During late January, 1983, my employer sent me to a 2-week A. T. E. system training course at the Hewlett Packard customer service centre in Baltimore, MD. Classes ran up to 10 hours a day, so DX time was renerally limited to the period from 8 PM to midnight EST (0100-0500 GMT), with occasional drivetime DX from the rented car (about 6 to 7 PM EST). About 4 nights were spent on serious DXing, with casual tuning on most other evenings.

A distinctly auroral evening (25-26 JAN) was experienced; there were also some nights of strong northern reception. A brief tune at dawn one day revealed exceptionally strong Midwestern signals, seemingly at greater levels than commonly noted between 8 PM and midnight EST. The dawn-period reception of the westerly signals was aided by by diminished QRM from NYC & Boston; furthermore, Cuban QRM - such a problem in the evening - is generally absent at local dawn. WBDX (TN) on 1030 actually rolled over WBZ during the dawn period. Unfortunately, my schedule didn't give me the opportunity to check seriously western sunrise skip possibilities. Sunset checks were occasionally done when class got out early (about 5:15 PM EST). Some days featured virtually no skip at local sunset; other days featured regional channels "boiling over" at sunset with skip domestics, many of them daytimers preparing to sign off.

The reception summary to follow generally discusses DX observations of the 'steady state' part of the night: well after the signoffs of eastern US daytimers and before the midnight signoffs of some of the lower-budget fulltimers. Comparisons are made between DX in the Baltimore, MD area and the patterns of night reception at my home location near Boston, MA.

#### Receptions

Antenna used: Palomar Engineers active ferrite lo. Receiver used: Sony ICF-2001 Receiving site: Dorsey, Maryland (Howard Johnson's Motor Inn, near BWI Airport)

TV QRM was of moderate level; luckily there was no appreciable dimmer noise, just intermittent "spurts" of noise, possibly from thermostats connected to electric heaters.

- CJSB (ON) strong & dominant most nights; better than it is in Boston. There was some LA (Latin American) rumbling underneath at times, likely from Mexico & Venezuela. CBEF & CBT, common in Boston, not noted here.
- 550 560 Cuba - alone, strong WFIL (PA) fair to good
- WCMS (MD) classical music /local good, of course. Cuba audible under at 570 times; no WMGA.
- WHP (FA) semi-local generally atop, sometimes accompanied by WCHS (WV). I was surprised at not hearing the Cuban, the Jamaican, or WKAQ. 580
- Cuba dominant, but badly slopped by WCAO-500. WCAO (MD) 284/local, excellent 590
- 600
- WIP (FA) fair to good in WCAO slop 610
- WRIZ (TM) occasionally dominant over a pile of others WMAL (DC) newstalk/local, good 620
- 630
- Cuba & Colombia noted to fair peaks; WHLO (OH) sometimes in there, too: 640 or clear dominant on this channel. I probably would have cotten kFI if if I had stayed up later. Cuadeloupe, YVQO, & CBN, all of which put serious signals into Boston, were not noted during my brief stay in MD. The Spain 639 het so common in MA was absent here.
- WSM (TM) very strong, MUCH louder than in Boston.
  WNBC (IY) usually good, although sometimes covered or at least substantially QRMed by the co-channel Cuban 650 660
- WMAQ (IL) generally good. 670 sometimes is dominated by the Cuban & there's 670 considerable slop from WCBM - 680.
- 680
- WCBM (MD) news-talk/local, excellent
  Cuba usually atop; one night CBF (QU) mixed in, occasionally rising over 690 Cuba. Sought-for WTIX, WAPE, & Anguilla were unheard.

#### Baltimore by night, continued

- 700 WLW (OH) good; HJCX Colombia heard on the auroral night.
- 710 WOR (NY) always alone; strength variable from fair to loud. Several attempts were undertaken to get MGBS (AL) but none succeeded. The Venezuelan (YVKY), so common in Boston, did not show a trace here.
- 720 WCN (IL) rood most nights: no serious LA REY (in MA, YVOE is a contender on the channel). Of course, there was not a prayer of getting Portugal.
- 725 Surinam noted although noticeably weaker than at coastal sites in Delmarva, NJ, LI, & MA.
- 730 Cuba & CKAC (QU) mixing it up in the early evening, with XEX making a good showing later at night.
- 740 Cuba solidly atop. CBL (ON) only occasionally noted.
- 750 WSB (GA) thoroughly dominant & much louder than it is in MA. None of the YVKS QRM I set at home was evident here.
- 760 R. Reloj (Cuba) noted on top more often than WJR (MI), although WJR sometimes had periods of loud & clear copy itself. I couldn't find HJAJ which is usually as good as the Cuban back in MA.
- 770 WABC (NY) dominant with variable strength. There was evidence of 'skipping over' at times when adjacent WBBM-780 was much stronger. SS LA chatter heard under WABC was probably Panama.
- 780 WBBM (IL) strong, dominant with no evidence of LA QRM. ZBVI, common in MA, not noted here. Interestingly, AUCX seemed to put a serious dent in reception from stations to the north & northeast (e. g. CBL, WHAM, WGY, CBM, WBZ), but stations in IL, IN, & MO weren't really attenuated that much.
- 790 WTAR (VA) dominant but with a lot of chatter underneath: perhaps 3 to 5 other stations present.
- 800 PJB Bonaire not quite as strong as at home, but dominant nonetheless.

  CKLW (ON) good one night, topping PJB occasionally. I wanted to hear

  XEROK, but I guess I didn't stay up late enough.
- 810 WGY (NY) usually good, some competition from HJCY Colombia; surprisingly, I didn't get Bahamas.
- 820 WBAP (TX) good later in the evening; just a bit stronger here than in MA but a good deal more dominant. Guba heard sometimes: channel a hodge-podge of relatively weak SS LA's in early evening with bits of WOSU (OH) mixed in.
- 825 St. Kitts fair to good every night.
- WCCO (MN) heard at fair level one night. The channel was usually an SS LA "graveyard" with no clear dominant(s) unlike MA, where YVLT is frequently alone or just accompanied by HIJB, or, much less often HJDM.
- 834 Belize good: maybe a bit better here than in Boston, though not as good as on Cape Cod.
- 840 WHAS (KY) loud most nights, sometimes yielding to the Cubans. No St.Lucia here: in general, lowband eastern Caribbean stations were less reliable here than at home. Conversely, the Cubans here were giants in strength, even better than they are on Cape Cod.
- 850 Channel a jumble in mid-evening with daytime regular WEEU (PA) sometimes surfacing; at other times WRAP (VA) & CKYL (QU) floated atop triefly. Hometown WHDH went unheard: WHDH gets into Ireland much better than it rets to MD! One day at sunset here, WYIE (AL) bombed in on day power of 50 kW.
- 860 Cuba & CJBC (ON) co-dominant; a Colombian heard also.
- 870 WWL (LA) good every night.
- 880 WCBS (NY) usually good; Cuban sometimes offered serious competition.
  Another SS LA, maybe Cuatemala or (dream) Peru under Cuba. WRFD (OH)
  blasted WCBS out of the water one day at sunset.
- 890 WIS (IL) good most nights, slight LA rumble under during fades. The Algerian on 891, virtually a pest in MA, only provided a weak background het here once or twice.

### Baltimore by night, continued

- 900 CHML (ON) above hodgepolge in early evening, yielding to XEW as midnight EST approached.
- 910 WRML (VA) just over a pile of others, undoubtedly including MSBA (PA) the daytime dominant.
- 920 absolutely nothing dominant: perhaps dozens of stations battling it out, as on a "rraveyard" channel.
- 930 WFMD (ME) semi-local sometimes covered by WSO: (NC); many others under.
- 940 Guba, XEQ, and CBM (QU) on equal footing here the Mexican better late: in the evening.
- 950 WPEN (PA) always good; a possible Cuban R. Relej outlet way under.
- 960 WFIR (VA) usually over WDBY (MD) & HJMM Colombia.
- 970 WAMD (MD) semi-local, sometimes over-run by WWDJ (NJ).
- 980 WRC (2C), newstalk/local, strong with no appreciable QRM.
- 990 WNOX (TN) frequently noted. Crenada atop on a semi-auroral night.
- MCFL (IL) good every night, not seriously weakened by AUGX that wiped out NYC & Boston stations. None of the YV & HJ QRM so prevalent in eastern MA was noted. SS believed to be Mexico was heard way under WCFL late one night.
- WINS (NY) renerally atop in early evening (after local WYST s/off) but fadey & considerably weaker than in MA. CFRB (ON) dominated one night. And, the biggest & best surprise to me ELNA (AR) bombing out WINS sometimes in mid-evening. When I heard how loud this was here, I couldn't believe I've never heard it in MA, just 400 miles farther away in roughly the same direction from KLRA. 1010 also had someSS LA activity under the domestics: this was probably a Cuban or a Colombian rather than the wanted Peruvian.
- 1020 KDKA (PA) fair to good most nights, although like several other stations from the mestern PA, western NY, northern OH, MI, & ON areas, the signal was not impressive. Stations from the northwest (e.g. Chicago) & from the northeast (WBZ; etc.) were generally stronger than comparably-powered stations at similar distances due north. The Cuban (// 1070 et al) seriously QEM'ed KEKA. YYEC'(Mundial Margarita') that blows KEKA away on Cape Cod was not noted here.
- 1030 WEZ (MA) strong on all nights except the one heavily auroral night (25 JAN). Signal generally better than those from virtually all of the NYC stations. On one occasion, WEDZ (IN) was heard through WEZ at night; the best bet for WEDX (and doubtlessly KCTA, too) is at local dawn as WEZ fades. A Cuban station // to numerous other midband Cubans was noted behind WEZ at times; it was seldom a serious pest, though.
- 1035 Haiti 4VEC fair to good just after sunset, best when WBZ was weakened by AUCX.
- 1040 MHO (IA) fair during evening; really loud at dawn with the hog prices, etc. No significant LA QRM, unlike in MA where several YV's&HJ's rule.
- 1050 WHN (NY) usually over Cuba in early evening; both Cuba & WHN are usually clobbered by XEC later at night.
- 1060 KYW (PA) generally good, but with enough Cuban QRM to make listening uncomfortable.
- 1070 Channel often a hodgopodge. WIBC (IN) surfaces a good deal of the time as does the Cuban. On a good northeastern night, CBA (NB) dominated. Of course, CBA is much louder in MA; the YY & HJ common in MA not heard here in MD.
- 1080 WTIC (CT) good some nights, absent others (probably more as a result of WBAL-1090 slop than because of co-channel QRM). WTIC never was as strong as WBZ-1030. Aside from WTIC; Cuba, Haiti, & YV-J Venezuela made appearances on 1080. I expected to get FRLD & WVCC, but the 1090 slop made 1080 a hard channel to work.
- 1090 WBAL (MD) talkshows/local excellent & QRM-free, of course.

# Baltimore by nitht, continued

- 1100 WHWE (OH) good over unID 53 LA (probably HJAT). No sign of ZIK which is common in Boston area.
- 1110 WBT (NC) thunderously loud every night; it sounded local.
- 1120 KMOX (MO) usually good, sometimes overtaken by Suba.
- MNEW (NY) really rood one night (as in MA); but fadey & inconsistent several other nights. I enjoy Jazzbeaux Collins' BBD jazz show, but I found that reliable easy listening was seldom possible. On the auroral night 2 SS LA's, one of which was HJAC Colombia (A. Ma Mar)—the other likely HLML D. R., tap-danced on top of WHEW. I expected to hear KWKH, but I didn't note it. At sunset and at dawn, as in MA, WCXI(MI) came in on its day pattern & power.
- 1140 WRVA (VA) usually loud, although somewhat bedeviled by the 1142 Cuban jammer. On the good northeastern night, CBI (NS) was lorged // CBA-1070. CBI, of course, was under WRVA.
- 1150 WCBR (NC) somewhat over WDEL & a raft of others in the early evening. CROC (ON) topped the channel later at night, at least for a few minutes.
- 1160 WJJD (IL) fair to good & generally dominant over the SS La's.
- 1170 WWVA (WV) local-like (it's also local-like in MA many nights).
  Less Caribbean/South American QRM in MD than in MA.
- 1180 Cuba & WHAN (NY) most common. VOA (FL) noted once in doffight with the two dominants.
- 1190 WOWO (IN) loud & unaffected by AUCX.
- 1200 Cuban R. Revolucion the leader here; NOAI (TX) sometimes atop later in the evening. There's less LA DX variety on 1200 here than at home.
- .1205 Cayman Islands fair to good, though weaker than // 1555. Stronger in MD than in MA.
- 1210 WCAU (PA) good & dominant, none of the Venezuelan or Caribbean QRM so common on Cape Cod.
- 1220 WCAR (OH) just over several others (domestic & foreign).
  XEB & other LA's occasionally atop.
- 1224 unID TA -- Spain probable here with a poor signal one night.
- 1230 WITH (ND) Music of Your Life (NYI)/local. Only fair at night in Dorsey: considerable skip QRM under. Unsuitable for entertainment-quality listening at night.
- 1240 "complete anarchy": nothing dominant
- 1250 MDVA (VA) most common. WTAE (PA) the runner-up. UnID SS LA also present, along with numerous unID domestics & a growl. 1251 Libya hat time
- WMDC (DC) "DC-101" hard album rock/local. Oh what a relief to be in a market with a real rock station on AM: I enjoyed this station on the AM-only rental car radio during commutes. The daytime signal is respectable but, unfortunately, coverage at night is not as good. There's a good deal of co-channel skip QAM during the evening, diminishing the station's entertainment-listening merits.

  Among the skip stations: CHM (TE) with pop mx. dominant for a few minutes one night & MSUA (TL) w/SS programming atop on another night.
- 1270 WIJZ (VA) most common. WINT (FL) good on several occasions. WXYZ (MI) heard in jumble one night.
- 1280 hodgepodge with WHYR (PA)(the daytime regular), along with CLEC(AU) & WALD (NY) rising to the surface at various times.
- 1290 WFBG (PA) and an unID "GK Sountry" just 2 of the many stations battling it out here.
- 1300 WFBR (MD) atult-contemporary & talk/local , excellent, no QRM.
- 1310 graveyard-type mess; nobody wine.
- 1320 WJAS (PA) dominant over others most nights.
- numerous stations, none achieving sufficient dominance for ID (within the admittedly limited time spent on such "mess" channels).

## Baltimore by night, continued

- 1340 WYC3 (DS) black mx. 3 religious prms./semi-local, poor at might, barely over a pile of others.
- 1350 WNIC (VA) over several unID's doubtlessly including WOYK (Pa) & WOLR (OH).
- 1360 WEBB (ED) local <u>laytimer</u> did some night testing with open carrier and with soul music <u>before</u> local midnight. In WEBB's absence, WDRC (GT) was generally atop; CJVL (QU) was noted with FF talk on one occasion.
- 1370 WRIK (NY) dominant most nights. WFEA (NH) atop during enhanced conditions to the northeast, WSPD (OH) sometimes surfaced over WRIK/WFEA. An SS station // 1380, maybe a Cuban, appeared once.
- 1375 St. Pierre et Niquelon R. France was quite good on several occasions only a bit weaker than at home. The extra 400 miles didn't seem to matter that much for this one.
- 1380 MAOK (CA) & WBNX (NY) were two of the many on this channel. An SS station (not WBNX) // 1370 noted once.
- 1390 WEAM (VA) BBD/local, fairly good most nights, but sometimes CRM ed by skip. MCSC (SC) was apparently the top dog of the skip stations, as it totally over-ran WEAM on one occasion.
- 1400 WWIN (MD) black music/local only fair in Dorsey at night with a good deal of co-channel skip QRN. WWIN's audio was severely compressed & somewhat distorted.
- 1410 WPOP (CT) usually dominant. KQV (PA) in second place. I was surprised at not hearing WING or WDOV in several passes by 1410.
- 1420. WCOJ (PA) & WHK (OH) led the channel often enough for ID's; many other signals present as well.
- 1430 WNAV (MD) top 40 & oldies/local, usually dominant although not particularly strong. WNJR (NJ) cut through WHAV occasionally.
- 1440 WRRO (OH) clearly dominant. WFTQ (MA) noted with WRRO looped & in fade
- 1450 mess occasionally revealing WOL (DC)
- 1460 WCMB (PA) leads, followed by CHRB (QU). Many others behind.
- 1470 WBIC (NC) often; WSAN (PA) & CHO (QU) also common.
- 1480 WAME (NC) & WJIF (NY) were ID'cd. Several others, doubtlessly including WLEE (VA), were also present.
- 1490 incomprehensible jumble in severe WTOP slop
- 1500 WTOP (DC) all-news/local, excellent
- 1510 WLAC (IN) atop about 60% of time, WM.E (MA) about 35%, & CJRE (QU) 5%. Checking WM.E vs. WLAC served as a propagation 'compass' to assess orientation (eastern or western) of openings.
- 1520 WKBW (NY) relatively inconsistent: loud one night, immersed in LA QRM the next. HJLQ Colombia & a possible Cuban were LA front-runners.
- 1521 Saudi Arabia showing, as het only, in early evening. Much less conspicuous than in Boston where good audio extraction is common.
- 1530 WCKY (OH) always good, only yielding once to R. Moron (Cuba). At sunset, WHBX (NC) was noted on the car rx. at s/off time with a powerhouse signal.
- 2NS-1 Bahamas is the clear dominant for the first hour or two after sunset. Later in the evening, KXEL (IA) mixes w/it, sometimes going atop. WPTR (NY) ran a very poor third. There's also an apparent Colombian in there, too, with hurdy-furdy accordion mucic we all know & love.
- 1550 CBE (ON) became dominant as the evening progressed, although early evening often featured a graveyard-like mess of both couthern US stations & SS LA's.

- 1555 Cayman Islands R. Cayman (ood most nights, sometimes entertainment quality.
- 1560 WOXA (NY) food & essentially alone on channel. The classical music was sometimes marred by fast fluttery fading, however.
- 1570 CKLW (QU) above a mess of domestics & LA's (including growl, likely from the J. R. station) in the early evening. 3702 (CM) sometimes showed. Later in the evening, XERS took control of the channel with its preacher programs.
- 1580 VOA Antigua really blasted in during the early evening, pretty much alone. On a few nights, CBJ (AU) offered some competition.
- 1590 WJRO (ND) BBD & ELL mx./local, very good with just a bit of skip chatter undermeath. WQQW (GF) LD ed under WJRO on one occasion.
- 1593 West Cermany: unimpressive het against WJRO had to be Langenberg. This was noted at a time when New England area stations (WEZ, WFEA, & MMRE) and Eastern Canadians were booming in at above-average levels.
- 1600 WINX (MD) semi-local fair, sometimes vielding to WWRL (NY).
- 1610 Anguilla Caribbean Beacon fair to good most nights, as at home.

  Some utility-type QRM present: such QRM is also noted on Cape Cod but seldom in Boston.

Conclusion: This report does not pretend to give a complete guide to all  $\overline{\rm IM}$  possible from the Baltimore area. As it is based on perhaps 20 to 40 hours of listening time during the same month and during a relatively small section of each evening, it serves only as a starting point.

Another article comparable in length to this one could be done just on sunset period DX. A third such article could be done to cover after midnight to an hour before dawn (when Mexican, Central American, & western US possibilities would be enhanced). A fourth article of similar length would be necessary to cover the doubtlessly rich domestic DX treasure trove possible during the sunrise (I hour before dawn to 2 hours after dawn) skip Although I experienced a couple of nights categorisable as auroral, presumably even deeper AUCX nights can occur. A communications-receiverwith-Beverage setup in eastern MD would undoubtedly provide some DX opportunities different from what might be noted from eastern MA. The MD DXer would probably get virtually every Cuban, even 250-watters, many rare Central Americans, Mexicans by the score, and a clean sweep of Jamaica. The MA DXer at that time would probably notice less from Cuba. Mexico, & Central America and more from South America. From what I noted on my trip, the Colombians would be easy from MA & only a touch more difficult from the Baltimore. The Venezuelans so particularly loud on Cape Cod don't seem to have much clout to Ealtimore, however. This may be mostly because of considerably greater Cuban QRM; as noted earlier, the Cubans are "awesome" in the Middle Atlantic states. Jlear-cut comparison of TADX (MA vs. MD) is not possible based upon such a short time-span of listening. I do feel that MA coastal sites may only have a slight edge over coastal sites on the eastern shore of the Delmarva peninsula, a more substantial edge over the western shore of the Chesapeake Bay (e. g. Annapolis), and even more of an edge over both inland MA sites & inland MD sites. In other words, the proximity of the receiver to salt water in either state is more important than the 400 miles that MA is closer to Europe. The 400 mile difference in distance to Europe primarily benefits MA coast DXers by giving better TA reception during the sunset period when European & African signals are just starting to "sneak" in, often at low angles approximating a surface wave. Still the coastal MD DXer might get reception at sunset superior to what an inland MA DXer (in Springfield or Greenfield, for instance) could expect to hear, even if that Delmarva TA DXer's sunset catches could not compare to what is heard at MA coast sites such as Rockport, Scituate, or Orleans. The weekend trip I took from Baltimore out to Ocean City, MD & Rehoboth Beach, DE was interesting in that DX heard from eastern shore Delmarva (especially with regards to eastern Caribbean & Venezuela/Surinam) resembled DX from MA much more than it resembled DX from the Baltimore area. Except for some differences in the domestic line-up & the fact that Cubans were worse pests, I could have thought I was at my folks' house in W. Yarmouth, MA instead of at Rehoboth, II. What Baltimore offers DX-wise over either MA or eastern-shore Delmarva is better midwestern US reception, possibly better reception of Mountain & Pacific time zone US stations, and demonstrably better reception of Mexican stations. Such DX trips to sites at medium distances from one's home GTH can be of considerable interest.

# A WOLFISH APPROACH TO SUNSET SKIP DX by Niel Wolfish

For most DX'ers, hearing all 50 states is quite a task. The task becomes even more difficult when one attempts to hear all 50 at Sunset only. This article deals with the seemingly hopeless feat of logging all of the states at Sunset. However, I have always found it more challenging to log daytimers at Sunset. Thus, this article deals mainly with logging daytime only stations. Tips and suggestions are based on the experiences of the author and other local DX'ers from loggings made in various parts of Southern Ontario. With the exception of a frequency where  $\underline{you}$  might have a local, these tips should be valid for a good part of the North-Eastern United States also. Let's proceed!

- AL: Alabama is an easy state to hear on Sunset Skip (SSS), thanks to WAAY-1550. However, logging a daytimer is a little more difficult. WEYY-1580 [who use the famous "When WEYY goes off, Even the Sun goes down" slogan] is by far the easiest daytimer. Also try for WHIY-1190, WKAX-1500 and WRSM-1540. Shouldn't be too difficult.
- AK: No possible chance for Alaska. From here on, if you don't see a state listed, you might as well move to that state to log it.
- AZ: Fulltimer KNIX-1580 has supposedly been heard at SSS in Toronto. Perhaps a super opening to the West could get you KASA-1540 or KUAT-1550. Don't bet your only verie from Delaware on it!!
- AR: My favourite state at SSS. When conditions seem good for MS, AL and KY, you have several opportunities. KFDF & KPCA-1580, KDDA & KXXA-1560, KIEL-1500 and KMCW-1190 are all good bets. KIEL will be the most common AR daytimer, but beware co-channel QRM from WTOP/WLQV/WKAX/WBFN etc. Also note that many AR stations have newscasts from the AR Radio Network before s/off.
- CO: Very difficult, but not impossible. KPIK-1580 has been logged in February in Ontario. The right cx, probably a once a season opening to the West, might also be a good time to try KQXI-1550.
- CT: WFIF-1500 is heard consistently early at SSS. Easy.
- <u>DE</u>: WJWL-900 is possible, after CHML is eliminated. If you live anywhere near Hamilton, don't bother!
- <u>FL</u>: Seems to pop in when cx might seem <u>too</u> auroral to be useful. WYOU on 1550 is the easiest daytimer, and sticks out with its all-Spanish format. Alternatives include WENO-1580, WTAI and WYSE on 1560 and WCRJ-1530.
- CA: Very similar to Alabama. Smyrna's WYNX (1550) is a big pest. Too bad they aren't a daytimer. With a bit of work, you should be able to log WIAF-1500, WZAL-1540, WIZY-1560, WSSA-1570 and WLFA-1590
- <u>IN</u>: When SSS cx don't favour Talladega, Pascagoula or Baton Rouge, look for religious WBRI-1500 or WAMJ-1580. More difficult are the 4 on 1540 (WBNL, WADM, WLOI or WMCB) and WRIN-1560.
- IL: Similar cx to Indiana help. However, there are more possibilities. Nulling the Clear Channel occupants on 1020, 1180 and 1210 will result in WPEO & WCIL (1020), WLDS (1180) and WILY (1210). If you like the 1500's, try for WGEN-1500, WSHY-1560 or WFRL-1570.
- IA: On a day when DX is coming in from IL and IN, best bet is WOI-640. Also worth consideration: KXRX and KCHA-1580 and KLNG-1560. I'm sorry, but KXEL does not count!!!
- $\frac{\text{KS:}}{\text{KVSV-l190, KQNK-l530, KEDD-l550}} \text{ Still waiting for this one. If conditions are right to the area,} \\ \text{KVSV-l190, KQNK-l530, KEDD-l550} \text{ and KABI-l560 } \\ \underline{\text{appear}} \text{ possible. You should be pleased with just } \underline{\text{one}} \text{ of these!}$
- $\frac{\text{KY:}}{\text{(ex-WAXU)}} \quad \text{Easy and there's variety!} \quad \text{Clear Channel daytimers WGRK-1540, WBBE} \\ \text{(ex-WAXU)} \quad \text{and WMTL-1580 are fairly easy.} \quad \text{Regional frequency} \\ \text{possiblities include WGOH-1370 and WHLN-1410.}$
- <u>LA</u>: Moderately difficult state to hear. Auroral cx should give you a shot at KAGY-1510 and WLUX-1550. You can try other clear channel frequencies also.
- ME: My guess is WRXV-1530. If you've verified Kansas, don't bet the verie on this one!!
- MD: In order of ease: WPGC-1580, WMDO-1540, WTOW-1570 and WSER-1550. Hints: 'PGC is CHR, WMDO is Spanish, and WTOW is religious.
- $\underline{\text{MA}}: \quad \text{WNTN-1550} \text{ used to be a } \underline{\text{big}} \text{ pest.} \quad \text{If you can null WKBW, try for WPOE-1520.}$
- MI: Depending on your location in Ontario, WLVM-940 and WKY0-1360 can be heard all day. At SSS, WDEY-1530 is really easy. Others to look for include WDEE-1500, WMLM-1540, WWMN-1570 and WQTK-1580.

- MN: A toughie; I suggest KDOM-1580 or KBEW-1560.
- MS: A state that shines during Auroral cx! In order of their likely appearance: WPMP, WAMY and WESY on 1580, WSAO-1550, WSWG-1540, WXGR-1190, WBFN-1500 and WRPM-1530. WCPC-940 is the easiest way to hear MS, but they no longer are a daytimer. Remember that Stan Krebs AMC/Cadillac/Jeep/etc. loves to advertise on WPMP!
- MO: When you have good conditions to AR & KY, its time to look for MO. KQYX and KTUI, residents of 1560 kHz, are the best bets, with KSWM-940, KDFN-1500, KEXM-1540 and KESM-1580 also possible.
- NE: KVSH-940 comes to mind as the only one that has been heard. I can suggest that good cx to the West could also bring in KICS-1550 and KAMI-1580. At any rate, good luck.
- NH: Best bet is WASR-1420. Co-channel CKPT, WACK and WHK ought to make this one difficult. If you can see CJCL's towers, forget it!!
- NJ: Average cx will provide you with any of the following. WBRW-1170, WKER-1500 and the 1580 duet of WCRV and WTYO. WCRV visits at SRS quite often also.
- $\frac{\text{NY}}{\text{NY}}$ : Even I can get this state! From the Buffalo area, WUF0-1080, WW0L-1120, WHLD-1270 and WJJL-1440. A little persistence should net you WSIV-1540 and WCGR-1550 also.
- NC: Will make it to Ontario, in just about any type of cx. Easiest of the multitudes of daytimers are WJIK-1580 and WHVL-1600. Also worth consideration are WRBX-1530, WQCC-1540 and WUIV-1580. This state should not present anyone with difficulties.
- ND: KFNW's move from 1170 to 1200 makes this state relatively easy to log, if you are looking for a daytimer. Good cx to the North-West could very well bring in KHND-1540 also. Don't count on it.
- OH: Very easy. WABQ & WNIO-1540, WBKC & WTOD-1560 and WVKO-1580 should be considered pests, not DX. Daytimers from OH on 1500 and 1520 will take a little more work.
- OK: A good opening that gets as far as Oklahoma doesn't occur too many times a season. If you think that AR is coming in very well, go for KXVQ-1500 and KLTR-1580. KXVQ likes reception reports!!
- $\underline{PA}$ : Pests include WAJE and WANB on 1580. For variety, try the 3 on 940, the 4 on 1310, WBCW-1530 and WPXZ-1540.
- RI: Dodging co-channel WSAY, WFEA and co. might give you a good chance for WMYD-1370. WRIB-1220 is another possibility if you can escape CHSC.
- $\underline{\rm SC}\colon$  WAGL's 50000 powerful watts wins hands down! They are audible 90% of the time on 1560. With a little more work, you can add WEAC-1500, WPKZ-1540 and WBBR-1580 also.
- $\underline{\mathrm{SD}}$ : This is merely speculation, but KBHB-810 and KMSD-1510 appear to be the best bets, if conditions are right.
- $\underline{TN}\colon$  Daytimers are almost always audible from TN. WMTS-810, WECO-940, WJJT-1540, WORI-1550 and WSKT-1580 are the most common ones.
- $\underline{TX}\colon$  Difficult, but not impossible. Great cx give KADO-940 and KTXZ-1560 the edge over other possibilities, such as KTXO-1500 and the 3 on 1580.
- $\underline{\text{VT}}$ : From time to time, WHWB-1000 and WCFR-1480 are reported. If you live near Toronto, CFRB (1010) and CKAN (1480) should compound the difficulty.
- $\frac{\text{VA}}{\text{M}}$ : WKBA-1550 is by far the easiest daytimer to hear. Other choices include WKCY-1500, WHBG & WBOB-1360, and WILA-1580. No problem.
- $\underline{\text{WV}}:$  The two prime choices are WEIF-1370 and WXVA-1550. A little time spent at the dial should net you one or both of them.
- WI: WAUK-1510 is a rare catch. WLKE-1170 and WCCN-1370 are rarer. Cx to the North-West of any worthwhile value are rare! Good luck.

There you have it. Realistically, no more than 40 states should be possible, if you are attempting to log daytimers. Among the 40, AZ, CO, DE, KS, ME, MN, SD, and TX will be the most difficult. The above tips should be a good start for you if you are looking for daytimers. There is a slight bias towards the frequencies above 1500.. Being from Toronto, that is where most of the daytimers are logged. If you don't have any problems with locals on 740, 860, 900 or 1010, you should be trying for SSS on the additional frequencies of 730, 850, 900, 990 and 1000!!

Any comments on the above tips, or suggestions on the difficult states are welcomed. Good luck, and happy SSS DX ing.

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the irea technical column Editor:

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The Kenwood R-2000

by Don Moman

The R-2000 is Kenwood's latest general coverage receiver. It features highly developed memory/VFO/scanning system of tuning that is far ahead of other sets in this price class (which is \$799 in Canada). Its RF circuitives is much like that in the R-600 (rather than the R-1000)--good on SW, but rather weak when it comes to handling the strong signals encountered on the W band. As a result, I would have to rate the R-2000 under the R-1000 and the Yaesu FRG-7700, both of which are in turn rated under the ICOM IC-R70. lowever, the sensitivity of the R-2000 is superb and the low internal noise is a pleasant change from the rather noisy R-1000! This together with the excellent tuning/memory system combine to make the '2000 a very appealing set for the SWL. Serious MW DXers will find it lacking in front end selectivity--a situation that is common to other "under \$1000" sets with the notable exception of the IC-R70.

Basics....150 kHz-30 MHz (can be tuned continuously with the VFO's, no need to press any other UP/DOWN controls). Unlike other sets that may state a lower frequency limit which can be exceeded with reduced specs, the R-2000 will NOT tune below 150 kHz. Contains 10 VFO's which are continuously tuneable. Each stored VFO frequency will also store the mode as well, a very handy feature. All or some of the memory VFO's can be scanned at your discretion—and the scan feature can be used between any two frequencies stored in VFO 9 and 0. Scanning and tuning speed can be varied—50 Hz/500 Hz/5 kHz per step. Unfortunately no form of RIT is provided to allow tuning between 50 Hz steps. The full potential of exalted carrier tuning with the '2000 is therefore somewhat restricted. ALL mode squelch is provided and can be user modified to stop scanning, but the usefulness of squelch on our noisy SW bands is somewhat questionable. I rarely find the signals strong enough and/or the noise to be weak enough to justify using the squelch. It's much better suited to VHF/UHF listening. The R-2000 has the FM mode as standard—useful only for those intending to use a VHF converter (terminals provided) or wishing to listen to the FM'ers on the 10 meter ham band.

TWO 24 hour (finally!) clocks are provided as well as an ON/OFF timer, with

TWO 24 hour (finally!) clocks are provided as well as an ON/OFF timer, with the usual rear panel contacts. My first comment was "why two 24 hour clocks?", as the one for local time is usually more convenient if kept in standard 12 hour format. No sleep timer is provided, and the timer function overrides the power switch, which can be less than convenient.

Sensitivity and Selectivity....As mentioned earlier, the sensitivity is very good, especially noticeable on the higher SW frequencies. On some weak 10 m hams it was judged slightly more sensitive than the IC-R70. On MW, the '2000 does not seem especially "hot" but even so, the 10/20/30 dB attenuator control is often needed to prevent severe overload. The LW band is also easily overrun by strong BCB signals, since the LW and MW (up to 1 MHz) share the same input bandpass filter. A tuneable preselector would greatly improve these bands (but would tend to defeat use of memory and searning campbilities-ed.).

and scanning capabilities-ed.).

Selectivity is provided by 455 kHz ceramics rated at 6 kHz wide and 2.7 kHz narrow. I find the wide filter to be nearer to 8 kHz. Although they appear to be inexpensive type ceramics, their shape factors are quite respectable. No notch filter or pass band tuning/ IF shift controls are available. A high quality 500 Hz CW filter is an available option, but no voice bandwidth filter options are provided. It's interesting to note that another Kenwood product, the TS 430s transceiver uses similar circuitry to the '2000, but has 8.8 MHz IF crystal filters which offer superior shape factors compared to ceramics. Several bandwidth options are also provided. The 430s has a general coverage receiver, of course, and is also equipped with a notch filter and IF shift circuitry.

Operating Convenience....The '2000 is very frequency agile and the 10 memory/VFO system has been well though out. The UP/DOWN MHZ keys change the MHz rapidly and need not be pushed once per MHz (as in the R70); when held down the MHz band changes quickly. Frequency readout is to xxxxx.x kHz and no offset is required for SSB tuning. One can switch from USB to LSB by a touch of a button, with no receiver tuning required. The R-2000 is, by far, the most convenient and flexible set I've ever seen or used.

Audio quality is excellent, thanks in part to the large front mounted speaker. Volume is more than adequate, and the tonal range (with the wide filter) is the best I've noted in a SW communications receiver. The tone control is unusually flexible in shaping the audio passband.

The S meter is adequate, but not particularly accurate. It took only 13 uV to read S9 at 14 MHz, while at 650 kHz it took 66 uV. Above S9, indicated 10 dB differences in signal were generally closer to 13 dB.

AGC FAST/SLOW is provided, with what I feel to be good choices of time constants. No AGC off or RF gain is provided, which is unfortunate, as used together, they can improve reception of weak, static ridden signals.

The RF Attenuator circuit provides 10, 20 or 30 dB of loss, and is quite effective in reducing MW overload. The usual comment applies—when you get rid of the overload you often get rid of the weak DX too! If manufacturers insist on building front ends that need attenuators, then I wish they would use a continuously variable resistor (like Heathkit did on the SB-303) that allows one to fine tune the amount of attenuation needed to overcome the overload. In any case, it can be added externally.

The tuning knob is somewhat "rubbery" (like the R-600) and lacks the extreme smoothness of other sets such as the R-1000. If you haven't already guessed, the tuning knob isn't coupled to a standard VFO but rather to a digital encoder. Stability is excellent due to all the PLL circuitry and the digital VFO. However, the BFO is non-synthesized (it's conventional LC) and is relatively unstable compared to preferred crystal or synthesized BFO's found in other sets in this price range. I noted the LSB BFO was off from 100-150 Hz, something that shouldn't be allowed to happen in a set of this price class. The BFO circuitry is especially prone to drift if exposed to wide temperature extremes--like they get on DX'peditions during an Alberta winter!

All VFO data, frequency and mode (very nice by the way) is protected against erasure by a lithium cell with an estimated 5 year life. Unfortunately, the clocks are lost if power is interrupted. A small inconvenience, but annoying.

Conclusions....The two main competitors to the R-2000, the Yaesu FRG-7700 (with memory) and the ICOM IC-R70 are both priced from \$150 to \$200 more, which may remove some of the competition right there! It's hard to fault the R-2000 from the standpoint of features and convenience, but there are a few fine points (some not so fine, depending on your viewpoint, I guess) that are lacking the performance offered by these other sets. With all the pros and cons of any receiver, it's the final result -audio--that counts. And it's been my experience that it's very rarely that one set will produce significantly better reception than the other. I will say, however, that the serious IW/MW DXer in a typical location, i.e. lots of strong locals, will likely have an overload problem, and I'd suggest they strongly consider the IC-R70 which lacks some of the features, but has it where it counts--the front end! Now if Kenwood had used the \$150 difference in price advantage to "steal" more of the circuitry from the TS430 transceiver--crystal filters, IF shift, notch etc., and upgrage the front end, we could have the best of both. Dreamer!....

The FRT-7700, the FRA-7700 and the SWH Model 1 RAI Unit:

How do they work on medium wave?

by Don Moman

As most of you know, modern communication receivers are of a broadband design, which means the front end is merely a series of bandpass filters, quite different from the several tuned circuit stages found in older sets. While the broadband feature allows for such luxuries as instant tuning and memory capability, it is a design generally not welcomed by the medium wave DXer, as it often leads to varying degrees of overload, in situations where older sets would be unaffected.

The solution here, of course, is to add a tuned circuit ahead of the set for MW DXing. The Yaesu company has two companions for their FRG-7700 receiver, the FRT-7700 antenna tuner and the FRA-7700 active antenna. The latter is a tuneable preselector/active antenna system designed for the FRG-7700; however, it can be used on other sets if you add a 12 volt power source to it. For comparison we also included results using the Shortwave Horizons Model One Receiver-Antenna Interface, which has a MW BCB preselector (passive, double tuned design) in it. This was featured in DX Monitor #620 and is described above.

# Test Conditions

Antenna--6' of wire up to basement window, 2' lying on ground! Receiver--FRG-7700 Local Reception--Daytime signals on local channels were all in the range of 60-75 dB over S9, even on this short a wire! Local channels are 1480, 1260, 1110, 930, 790, 740, 680, 630, 580

Results---These are summarized in the table below, on three of my choice test channels for IMD tests--1400, 850 and 540 (CKSQ Stettler, CKRD Red Deer, and CBK Regina) Without some tuner, the 7700 is a mass of signals with only the locals being in the clear. Completely impossible to hear any of the "proper" signals on the above test channels.

Frequency	FRT-7700_	FRA-7700 (whip)	SWH #1_RAI_
1400	S-7	S-9 + 22	S-9 + 10
850	S-9, some IMD	S-9 + 55	S-9 + 25
540	S-2	S-9 + 22	S-9

Notes: The FRT-7700 only showed any preselection action in position 4 of the MATCH switch. Other positions did not clear up the IMD enough to get a clear signal. In position 4, the unit does perform as a preselector, but it creates a loss of close to 20 dB, which would seriously limit its usefulness as a DX tool!

The FRA-7700 was just using its own whip, sitting on the receiver here in the basement. In modified form, the FRA-7700 will accept an external "shortwire" but in this location, even the 8' wire as above was too much for it!

Conclusions: For the MW only listener, the FRT-7700 is not likely to prove worthwhile. However, it is a handy control center, with provisions for two antennas, a 0/10/20/40/60 dB attenuator and two outputs. The FRA-7700 is a good choice for MW DX and is capable of logging TA's and DU signals, as I experienced earlier this year. Very good for campers who fancy a bit of MW DX...a\_short\_wire tossed in a tree makes an excellent antenna when run through the FRA-7700 (just keep a long way away from MW transmitters).

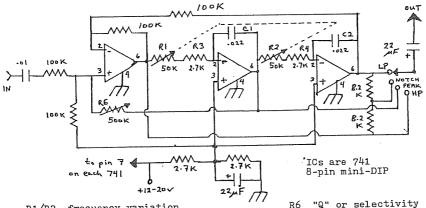
However, those of us with serious overload problems will find the most relief in the RAI unit; it's capable of giving your receiver much more "help" than the other units.

(ed note: Don Moman's company, Shortwave Horizons, sells the FRT-7700 and FRA-7700 in addition to the Model One RAI.)

To prevent this being entirely the "Don Moman Technical Column", here's a short piece cooked up in a basement on Amphion St., and included in the new edition of <u>A DXer's Technical Guide</u>. Incidentally, my thanks to Don for the use of his many fine articles which appear originally in the CIDX Messenger.

# The State Variable Audio Filter

Although the state variable filter is quite simple and versatile, and is the heart of most of the commercial variable frequency and selectivity audio filters, nobody seems to have put forward a construction project using it, so here it is:



R1/R2 frequency variation

As you can see, this one filter offers high-pass (HP), low-pass (LP), notch and peaking possibilities, depending on the position of the output switch. The cutoff frequency for the high-pass and low-pass as well as the notch and peak frequency are where R1=R2, R3=R4, C1=C2, so the given values determined by  $2\pi(R_1+R_3)C_1$ 

can be varied according to what dual potentiometer you have available. For best results R3 and R4 should be matched values, as should C1 and C2. A good VOM or digital multimeter will enable you to match resistors, but a capacitance meter or bridge circuit must be used for the capacitors. The values given above are for a frequency range of about 280 to

R6, the Q control, varies selectivity in the peak position, and also varies somewhat the rolloff in the LP and HP positions. Its value is not too critical, and at minimum resistance, reduces the circuit gain to zero (i.e. no signal). A 100 k resistor in series with R6 should prevent this.

The 741's specified can be replaced by a single quad op-amp such as the LM324, providing the proper pin-out is observed. The fourth section of such an IC could be used

as a voltage follower if desired.

This filter could be placed in series with another filter of the same construction to allow for greater versatility, or deeper nulls, sharper peaks, and faster rolloff.

Some theoretical background for the state variable filter can be found on pp.501-2 of The IC Op-Amp Cookbook by Walter Jung, published by Howard Sams, and no doubt available at Century Print Shop.

\* (f is in Hz, R is in ohms, C is in farads)

#### Oddments

--Gerry Thomas adds a further note to his ICF-6500W review in DXM of Jan. 15, 1983: The overload problems noted when using a random wire with the set has been entirely overcome (even using a 600' wire) using a "T-bar" (or similar) antenna tuning unit which was described in DXM of Sept. 23, 1979

--If you're interested in selling used radio equipment in Canada, contact Shortwave Horizons, 6815 12 Ave., Edmonton, Alberta T6K 3J6 for details on the "Used Equipment Listing", put out by this company. No charge for this service, but enclose an SAE and stamp.

**RADIO** 

LOS ANGELES TIMES FEBRUARY 13, 1983 Vla Steve Mittman

# **KEZY SWITCHES TO ALL-NEWS FORMAT**

By IAMES BROWN

n Tuesday morning at 7, KEZY (1190-AM) in Anaheim is switching formats to all-news-giving the Orange County area its first 24-hour news station and serving notice to KNX and KFWB that the territory has now expanded to three.

Program director Dave Forman says the decision to abandon KEZY's adult-contemporary rock format for news has been in the works for nearly two years.

"The obvious reason was that the music listening habits on the AM dial had changed drastically," he said. "The news format was ready in a rough sense a year ago, but we decided, with AM stereo coming around, to give the music another shot. Now, though, we think the time is right for all-news in Orange County."

And that's precisely what KEZY will be, says Forman-an all-news station focusing the majority of its attention on Orange County and its environs.

"We sat down and figured things out recently and came up with the fact that all of the L.A. media devotes approximately 30 minutes a day to Orange County," he said. "That's television and radio. And for an area this size, that's simply not enough."

So KEZY will change that. With the exception of a five-minute national newscast from UPI radio at the top of each hour, the daytime news on KEZY all will be local.

"We're going with four full-time street reporters and two or three part-timers," Forman said. "There'll be four full-time anchors, two mobile units on the street. It's going to be a full-service operation, with the hope that Orange County will finally receive the comprehensive news coverage it deserves."

Of course, installing an all-news format is-with the possible exception of talk-the most expensive format there is. And that's one very significant reason why many AM stations have toyed with the idea of making the change to news or talk, but then take a look at the cost and decide to stick with what they have.

"Yes, news is expensive, but there are ways to minimize the costs," Forman said. "For one thing, our management is wholeheartedly in support of what we're doing and is willing to stick with it. Also, from 8 p.m. to 5:30 a.m., when our power is decreased, we'll switch to the cable news network and go with local inserts.

"This not only greatly reduces the expense of doing a fully staffed, 24-hour format, it allows us to put all of our strength in the daytime hours when our coverage is the greatest. Another consideration is the advertising community, which now has an entity that's totally indigenous to Orange County. It gives them a real shot at a market that hasn't really been tapped."

Forman is aware that KNX and KFWB are well-entrenched. "And," he said, "they do what they do extremely well. If we were sitting on Sunset Boulevard instead of Anaheim, our decision to switch to talk might have changed. But, for our purposes, it was really a matter of looking for what isn't happening and then trying to fill that void. And while the existing news stations do a terrific job serving Los Angeles, Orange County listeners have to cut through quite a bit to come up with news that affects them. We hope to change all of that."

# EASTERN DX ROUNDUP

Bob Lazar

1711 Wainwright Dr.

Reston, VA 22090

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 I just came in from shoveling our nearly 2 feet of snow ... hopefully I
 wont't fall asleep before the end of the column. Highlights this week
  include several loggings by me of stations on for snow emergency broadcasts
 and several good catches by Robert S. Ross. Now, on with the show....
    590 WEEI MA Boston, 1/3 0043 fair w/ PSA, ID, into sports, (RSR-ON) 790 WSIG VA Mt. Jackson, 2/11 1923 good w/ "Operation Snow Alert" emergency broadcast. Rpt on travel cx by mobile unit; cancellations
                                                 included several funerals. (RAL-VA)
     810 KCMO MO Kansas City, 1/5 1802 fair w/ ID, into nx. (RSR-ON)
840 WMOB AL Mobile, 2/7 1828 James Darin song, oldies format.
     930 CKNS ON Espanola, 1/4 0220 fair w/ local ads, mx. (RSR-ON) 940 WAMM VA Woodstock, 2/11 2055 poor w/ WFMD-930 splash w/ emergency broadcast. (RAL-VA)
  1170 KV00 OK Tulsa, 2/4 1852 rpt on wx cx -- snow in NE OK. 26^{\circ}. Tire
 spot. Xlnt w/ no sign of WWVA.(WPT-DC)

1290 WAGE VA Leesburg, 2/11 1934 xlnt (local) w/ emergency broadcast due to snow. (RAL-VA)
  1370 KGNO KS Dodge City, 1/7 1818 fair w/ wx, ads, nx, ID, sports. (RSR-ON) WKMC PA Roaring Springs, 1/8 0700 fair w/ nx, wx, ID. (RSR-ON) 1380 WNVR CT Naugatuck, 1/14 0600 fair w/ ID, mx, wx, nx. (RSR-ON) 1390 KJAM SD Madison, 1/10 0726 fair w/ ads, nx, wx, ID, mx. QSL received
                                                 1/27. (RSR-ON)
                                      IA Davenport, 1/3 1748 fair w/ sports, ID's, promos, wx, NBC nx.
   1420 WOC
 (RSR-ON)

KTOE MN Mankato, 1/3 1754 fair w/ ID, ads, ments of Mankato. (RSR-ON)

1430 WEIR WV Weirton, 1/4 1755 fair w/ nx, ID, m DJ. (RSR-ON)

1470 KWSL IA Sioux City, 1/7 1730 fair w/ nx, ID, rock mx. (RSR-ON)

1480 WISM WI Madison, 1/3 1811 good w/ mx, ID, ads, talk by m. (RSR-ON)

1490 KRIB IA Mason City, 1/23 fair 0147 w/ soft rock mx, ID & wx. (RSR-ON)

WYTL WI Oshkosh, 1/3 1741 poor w/ ID & promo. (RSR-ON)

1510 WAUK WI Waukesha, 1/3 1730 good w/ ID, business nx, ads, m DJ. (RSR-ON)

1520 KSIB IA Creston, 1/3 1814 fair w/ ID, promo, into s/off w/ full ID.(RSR)

WTRI MD Brunswick, 2/11 1941 good, just o/ WKBW w/ emergency snow BC.

(RAL-VA)
                                                  (RSR-ON)
                                                   (RAL-VA)
   KOMA OK Oklahoma City, 1/3 1819 fair w/ C&W mx, m DJ, ID. (RSR-ON)
1440 WROK IL Rockford, 1/3 1828 good w/ mx, ID's ads, promo. (RSR-ON)
(Robert, you had this listed as 1540 ... I assume you meant
1440 ... that's why this is out of order-ed)
   1550 KKHI CA San Fransisco, 1/21 0201 fair w/ full ID, classical mx,
                     Mozart special. (RSR-ON)
KKJO MO St. Joseph, 1/22 0225 poor, m w/ ID, mx. (RSR-ON)
WXVA WV Charles Town, 2/11 1942 good-xlnt on emergency BC w/ pop-MoR
                                                  mx. (RAL-VA)
   MMIR WI Lake Geneva, 1/3 1717 fair w/ MoR mx, ID's, "WMIR Radio 15" sports, ads. (RSR-ON)

1560 WPAD KY Paducah, 1/17 0123 fair w/ C&W mx, ID. (RSR-ON)

KKAA SD Aberdeen, 1/17 0100 fair, f w/ s/off. (RSR-ON)

1570 CKLQ MB Brandon, 1/3 0026 fair w/ C&W mx, f DJ, ID, TC. (RSR-ON)

1580 KNIX AZ Tempe, 1/17 0401 fair w/ C&W mx, f w/ ID, TC as 0202. (RSR-ON)

WAJE PA Ebensburg, 2/11 1945 poor-fair o/ VOA-Antigua most of the time w/ oldies, wx info on emergency BC. (RSR-ON)
    w/ oldies, wx info on emergency BC. (RSR-ON)

CBJ QU Chicoutimi, 1/2 0038 fair w/ m, talk in FF.. (RSR-ON)

*unid*??*TT'ing, no ID heard 1/3 0015. Poor. (RSR-ON)

1600 WIXY MA East Longmeadow, 1/17 0320 good w/ C&W mx, ID, "WIXY Country
    16", wx. (RSR-ON)
1616 KPRC NY New York, 12/31 0200-0316 s/off. Fair w/ phone-in, talk show,
                                                   ID's, freq, address. Pirate. (RSR-ON)
    Eastern DXers
    RAL - Bob Lazar, 1711 Wainwright Dr., Reston, VA 22090
RSR - Robert S. Ross, Box 4373, Stn. C., London, ON N5W 5J2
WPT - Bill Townshend, 4500 Connecticut Ave., NW, #901, Washington, DC 20008
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# CENTRAL DX ROUNDUP

Robert Kramer 6416 N. Richmond Chicago, IL 60645

BURNSVILLE, 0130-0200 1/31 DX Test S-9+20 W/TT, IDs, rck O/KIOA/XEQ. GS 940 WKYK NC 1340 WECS WI MILWAUKEE, using "1340 MKE" IDs, new format, Oldies, still CES & Larry King. JJR-WI All da Rest IAS VEGAS, 1828 1/27 W/ID in SS. GS-MN 540 KNMX NM OTTAWA, fair W/"Ottawa Overnight" pgm 0210 1/26, no QRM. GS-MN CINCINNATI, 0001 1/31 "55 KRC Nx" good O/QRM. GS-MN ON CISB 550 DALLAS, 1837 1/27 lel nx, SID, good in WNAX null. GS-MN OTTAWA, 0209 1/26 rck, ID, TC, good. GS-MN TUCSON, 2000 2/1 W/rck, ID, NBC nx, good O/WMT/KSJB. GS-MN 570 WFAA TX 580 CFRA ON 600 KCLS AZ ALBUQUERQUE, 1954 2/1 C&W, ID, very good, way O/QIM. GS-MN SAN ANTONIO, 1822 1/26 C&W, ID, mixing W/KFQ. GS-MN BIRMINCHAM, 1800 1/28 S/Off thru OC. GS-MN BILLINGS, 1806 2/1 W/MT nx, good. GS-MN 610 KRKE NM 680 KKYX TX 690 WVAK AL KURL MT GRAND FRAIRIE, 1829 1/26 II, soul mx, good. GS-MN DURANT, 1845 1/26 S/Off by woman, ment. FM, good. GS-MN KKDA TX 750 KSEO OK MORFOLK, 1805 1/28 NE nx, good in WBEM null. CS-MN 780 WJAG NE STILLMATER, 1826 1/26 wx by woman, fair in QRM. CS-MN MAGEE, 1815 1/18 lcl spots, C&W, good in KCMO null. CS-MN KSPI OK 810 WSJC MS FORT WORTH, 1913 2/2 ID by woman, C&W, fair thru WWL. GS-MN OKIAHOMA CITY, 1845 1/26 S/Off in WIS null. GS-MN SHERIDAN, 1929 2/1 ID, fair-good O/QRM. GS-MN 870 KJIM TX 890 KBYE OK KROE WY 930 KBBW TX WACO-MARIIN, 1900 2/2 ID "The Alternative", Rel, good signal. GS-MN KPBC TX DAILAS, 1845 1/28 rel. S/Off U/WHO. GS-MN KPAL LA PINEVILLE, 2/5 1859½ poor W/S/Off. RK-IL WDGY MN MINNEAPOLIS, 2/1 1935 poor W/KWKH milled, ads. SMCK-IL KBMR ND BISMARCK, 2/1 1938 ads., mx, poor. SMCK-IL 1010 1040 1110 1130 KPWB MO PIEDMONT, 2/1 1945 fair W/WRVA nulled, pop mx, S/Off. SMCK-IL 1140 FAYETTEVILLE, 2/1 1930 fair S/Off after WVEL S/Off. SMCK-IL DONNEISON, 1821 2/1 several IDs, spot, good in KVOO mill. GS-MN WHEELING, 0054 1/25 ID U/KSTT. GS-MN, 2/3 1821 unusually strong, ads, WIXC TN WAMB TN 1170 WWVA WV C&W mx. SMCK-IL (Gentlemen, please don't report 50kw clears as DX, ed.) PEARL, 2/1 1950 good W/WHAM mulled, "High Noon" mx. SMCK-IL BAY ST. 10UIS, 1/28 0928 fair, rel. pgm, wx. SMCK-IL DALLAS, 1/27 1925 very good C&W mx, ads. SMCK-IL WICHITA, 0310 2/7 W/MOYL, ID as "1240 KAKZ" in mess. JJR-WI 1180 WKKE MS 1190 WXGR MS KLIF TX 1240 KAKZ LITTLE MCK, 1/28 0741 fair, rel mx & nx. SMCK-IL, 0330 2/7 good W/soul 1250 KOKY AR mx, WEMP off. JJR-WI COLUMBUS, 2/2 1829 S/Off mixed W/WISM. TMJ-IL 1270 WHYD GA COMMERCE, 2/2 1815 S/Off, weak just above mess. TMJ-IL WJJC GA IOUISVILLE, 2/2 1845 S/Off, SSB. TMJ-IL WISM MS HAMILTON, 1/29 2230 poor-fair, NHL hockey Toronto-Buffalo. SMCK-IL (Did you hear an ID on this one ? They changed calls to CHAM several 1280 CJJD ON months ago, ed.) TULLWIAH, 2/6 0700 fair W/S/On. RK-IL 1360 KZZM LA DETROIT, ID 0400 1/31, alone-soul mx. JJR-WI
DDBSSA, 2/7 0210 weak but clear U/TTer W/wx, rr mx, "14 KRIG" IDs. TMJ-IL
LUFKIN, 2/6 0133 good W/contest promo. RK-IL
KENOVA, 1/22 1850 wx, ID, good signal, briefly O/WHK. TMJ-IL 1400 WQBH MI 1410 KRIG 1420 KLNX TX WTCR WV WARREN, 0417 1/31 poor in mess W/ID & Ad Con mx. JJR-WI 1440 WRRO OH CINCINNATI, 2/5 2130 good even W/WFXW, W/Soul, ment. of "The New WCIN"// DETROIT, S/Off 0100 2/7 ment. pwr, to return @0515, no KSTP or WTOP. TMJ-IL 1480 WCIN OH 1500 WLQV ΜI WINNSDORO, 1830 1/27 S/Off ment. PMT, to return ecolo, no ksir of winnsdoro, 1830 1/27 S/Off ment. FM, fair. GS-MN WAN BUREN, 1830 1/28 S/Off way 0/QFM, SSB. GS-MN COIORADO SPRINGS, 1847 1/27 ID, spot, "Praise Radio". GS-MN MARYSVILLE, 2/6 1858 S/Off weak but clear U/WCIS. TMJ-IL THOMASTON, 2/12 0600 fair W/S/On, no SSB. RK-IL 1570 KMAR LA 1580 KFDF ΑR KPIK  $\infty$ KNTM MO 1590 WTGA GA ATLANTIC BEACH, 2/10 0600 fair W/S/On then SSB. RK-IL 1600 WJNJ FL Summon a Constable ... A FREAK:

1400 KILE TX CALVESTON, 2/7 0115, suprisingly good on R/C W/TT & IDs every 2 min. IDs no problem, even when looping into WVON slop. RK-IL

Good Gracious:

TMJ... Tom Jasinski 503 Jensen St. Shorewood, IL 60436

RK.... That's me, I think.

(R-1000, HQ-140X, HQ-129X, Radio West Loop, Kowalski Loop, spiral loop) SMCK.. Sam McKee 12 Southern Dr. Decatur, IL 62521

(Superadio, RF-2200)

JJR... John J. Rieger 529A S. 71 Milwaukee, WI 53214

(ICOM IC-R70, Kowalski Loop)

GS.... George Sherman Box 2284 Minneapolis, MN 55402 (R-1000, Radio West Loop)

Stations Heard

1999

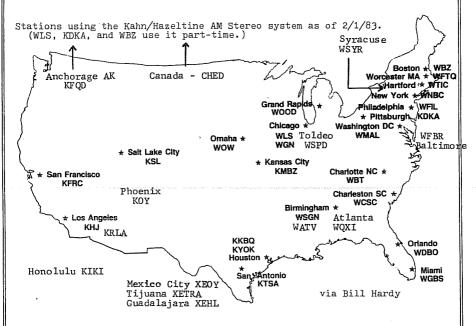
Radio World

001

George Sherman's Countdown:

December 15, 1982

# The Marketplace Is Alive And Well



# Call

# If You Would Like To Join These Leading Pioneer Stations

Kahn Communications, Inc. • 839 Stewart Avenue • Garden City NY 11530 • 516-222-2221



# Nancy Hardy 2301 Pacific Avenue Aberdeen, WA 98520

# WESTERN DX ROUNDUP

All times are Eastern Local

```
Phone for hot WDXR tips: (206)532-6827 till 10pm(PLT)--no collect calls
DEADLINES: Tuesdays 3/1, 3/8, 3/15 (Anniversary Issue!), 3/22, 4/5, 4/26
REPORTERS FOR THIS ISSUE:
        Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
(BH)
                  FRG-7, SM-1
         Ed Hoffman-P.O. Box 125-Burlington, WA 98233
(EH)
                  IC-R70, SM-2
         Patrick Martin-P.O. Box 843-Seaside, OR 97138
SP-600, 1500' East Beverage
(PM)
         Steve Mittman-2248 West 37th Street-San Pedro, CA 90732
Realistic TRF, 3' wedge
Bill Nittler-Box 1351-Kemmerer-WY 83101
(BN)
                  HQ-180, box loop, longwire
         Bruce Portzer-6546 19th Ave. NE-Seattle, WA 98115
(bp)
                  HQ-180A, 4' loop
         Randy Tomer-1969 27th Street-Arcata, CA 95521
         HQ-180A w/30' shortwire, GE Superadio w/plug-ing loop
Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
 (RW)
                  GE Superadio, GE long-range portable, SM-2
                                                 *********
 我我我我我我我我我我我我我我我我我我我
  960 KOOL AZ, Phoenix call return, ex-KARZ MM 2/7 0157 stn is "Cool"
                  again, but still C&W. Legal ID by YL 0200, "KOOL-AM 960
                  Phoenix." Into CBS nx. I love these call letters for this
                  city, & am glad they returned to them (though their FM had
                  still been using them all along). (SMM-CA)
                  CA, Anaheim per over-the-air promos, for more than a dozen
 1190 KEZY
                  years KEZY has been Orange County's mx leader. Now KEZY is hiring the best nx correspondants from Sacramento to San Diego and is in the middle of erecting satellite dishes & downlinks.
                  Tu. 2/15/83, at 6:55am, KEZY will begin its last song. Then, at 7:00am they will become "Newscenter 12"--providing 24-hour
 nx, w/a special emphasis on Orange County news. (SMM-CA)
                   SK. Watrous 2/9 0514 noted w/OC. (EH-WA)
   540 *CBK*
                  AE, Phoenix hrd fair to poor o/u KMVI (mostly under) w/contest promo & KOY jingle at 0316 2/8. (PM-OR)
AB, Edmonton 1/29 2000 "Radio Alberta, CKUA AM & FM" then into classical mx. (BN-WY)
AB, Peace River 2/9 0630 back to regular sked after ET w/TT.
   550 KOY
   580
         CKUA
   610
          CKYL
                   IDs, MOR songs. (EH-WA)
OR, Portland 2/8 0601 noted ETing w/OC, TT, lots of IDs (rare,
   620 *KGW*
                   hi). Also noted ET'ing 2/9, 2/10. (EH-WA)

BC, Prince George 2/8 0613 good w/"C-I" IDs, ment. of road
          CJCI
                  report, rr mx. (EH-WA)

SK, Regina 2/9 0531 good w/IDs, C&W songs. (EH-WA)

CA, San Francisco 2/10 0642 noted ET'ing w/OC, TT. ET again

2/11. (EH-WA)
          CKCK
   680 *KNBR*
                   CO, Colorado Springs AN thru KCBS 2/11 w/"Pikes Peak Country"
   740
         KSSS
                   IDs, woman anner. C&W mx. (BN-WY)
                   AZ, Sedona 2/5 2213 very good in KROW null w/AZ wx. Not hrd
   780
          KAZM
                   AB, Camrose 2/1 ID 0115, C&W mx on top of freq. (BN-WY)
HI, Honolulu Th 11/25 0647 strong, steady signal w/instructions on how to tune "Hawaii's first AM stereo station." (SMM-CA)
   790
          CFCW
   830
          KIKI
                   AB, Red Deer 1/27 0250 logged w/KOA nulled. (BN-WY)
   850
          CKRD
   870 KORD WA, Pasco 1/23 0200 C&W mx w/wWI nulled. (BN-WY)
940 (KFRE) CA, Fresno 2/7 ?-1050 totally off this period. Back on at 1050.
KDEO HI, Waipahu 2/11 0230-0305 in the clear w/KFRE (RW)
                   apparently off the air (power outage due to storm?). Automated
                   country format w/few ads. Full ID 0259. (RET-CA)
OR, Woodburn 2/7 0940 xlnt signal, completely controlling 940
o/XEWV/KBRE, w/high school lunch menu, many local spots. Rare
           KWRC
                   here. (RW-CA)
                   UT, Cedar City 2/7 1015 after KWRC fadeout, xlnt way o/XEWV w/"KBRE salutes, 1968". KFRE still off. (RW-CA)

ID, Lewiston 2/7 0341 briefly atop XEGM w/KJR OC off or nulled,
           KBRE
    950 KOZE
                    w/pop mx, IDs, ads. (bp-WA)
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\frac{WA}{d}, Seattle 2/7 0319 testing w/OC & TT apparently into dummy load (much weaker than usual). Back on RS by 0430, but still much weaker than normal. (bp-WA)
 950 *KJR*
                    2/7 0351 noted totally off. XEGM in. (EH-WA)
        (KJR)
                    CA, Modesto 2/8 hrd 2100 ID. Still using these calls. (BN-WY) HI, Kihei MM 11/29 0517 occasionally u/KFAB w/light pop. ID & local ad 0529, then full ID. Overall poor signal. Only audible every 10 min. or so when KFAB would fade out a bit.
 970
          KBEE
1110
         KHEI
                     New. (SMM-CA)
                    OR, Eugene-Springfield 0315 2/7 & 2/15 noted w/OC. (bp-WA)
1120 *KPNW*
                    OR, Eugene-Springlield 0,15 2// & 2/15 noted w/UC. (Dp-WA) CO, Denver 2/? 0805 very good o/CJOC w/ID, SS. (RW-CA) ID, McCall hrd well on 1st MM, 2/? 0300-0315, w/f/c. IDs in Morse code & voice. Ment. broadcasting w/500 watts. (PM-OR) ID, Mountain Home 2/? hrd fair u/o mess w/wx & s/off at
1220
          KBNO
1240
          KMCL
          KFLI
                     0159. (PM-OR)
                    OR, Roseburg 2/11 1940-1950 on top of freq. BFL mx format.
Uses "Queen Radio" slogan. This & KSUE now dominate this freq.
          KQEN
                    since KPOD has gone silent. (RET-CA)

AB, High River 1/29 in clear w/"Country music's number one
1280
          CHRB
                     radio show on the Super Country Station, CHRB in So. Alberta."
        KWVR OR, Enterprise 2/7 0258 really a sudden surprise, (BN-WY way o/everything else on 1340, w/s/off info (on 6am-midnight 7 nights/days a week). New. (PM-OR)

KFIR OR, Sweet Home 2/11 2021-2026 o/KEEN w/IDs, C&W mx. (RET-CA) 2000 lots of SS fanfare but missed ID,
                                                                                                               (RN-WY)
1340
1370
                    then SS ads mentioning Mexicali. (RET-CA)
NV, Henderson 2/11 0550 good in CFUN fade w/ID, C&W mx. (EH)
CO, Aurora 2/7 0419 finally hrd call change after 2 years of
          KVEG
1410
1430
          KEZW
                    trying. Ex-KOSI. YL DJ, wx, ID "...you, & KEZW", way u/KARM/
KALI, KNTA off as normal MMs. 1430 is a strange freq. here.(RW)
OR, Klamath Falls 2/7 0300 atop w/ID. (bp-WA)
          KFLS
 1450
 1490
          KRTS
                      time rock and roll", then into nx. (BN-WY)
                    CA, San Jose 2/5 0404 totally off. (RW-CA)
CA, Sacramento 2/7 0552 noted w/OC. (EH-WA)
TX, Ft. Worth 2/7 0440 apparently hasn't changed calls to KUQQ
 1500 (KHTT)
 1530 *KFBK*
 1540 KTIA
                     yet. ID as "Kah-teh-ih-ah, Radio Jalapeno, numero uno en
         *KUQA* TX. Ft. Worth (ex-KTIA) ET'ing 2/10 0210-0235 w/mx & EE/SS IDs.
TD as "Radio Coocoo." (BN-WY) (BI shows call requested as KUQQ.
                     Who's right?--NH)
                     CO, Lakewood still using these calls 1/31 w/Colorado Flames
 1600 KLAK
                     hockey 2350. KBBB calls assigned to Borger, TX on same freq.
                     Also still using these calls as of 2/11. (BN-WY)
 February f/c's:
               KGHL--790
                                        0245-0300 (RW-CA)
                                 MT
 1st MM:
                                         0300-0315 (EH-WA) (PM-OR)
                KMCL-1240
                                   ID
                KMCL-1240 ID
KTXX-1450 MT
                                        0315-0330 (tentative) (RW-CA)
                                         0315-0330 (EH-WA)
                KVAC-1490 WA
 Help with an unID:
 1490 More on RW's unID Music Country Network in 2/5/83 WDXR, p. 21: Brand
           new station list from MCN lists both KKLB-ID and KENE-WA. (BH-WA)
 UNID:
   540 2/6 0250 weak but steady jazz mx, FF YL annor. Tuned to 690 to see if was CBC, but CBU was announcing that they & the LPRT's were sign-
            ing off. Tuned back to 540 0259 & the jazz/FF YL pgm was continuing,
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# radio Highlionts

w/no ID across the hour. (RET-CA)

Muskegon Chronicle, via Phil Boersma

WBLV — 90.3 FM — Blue Lake Fine Arts Camp — classical, jazz, arts and National Public Radio

WFMG — 92.1 FM — Grand Haven — soft rock, all-music WGHN — 1370 AM — Grand Haven — soft rock, talk features WKBZ — 850 AM — Muskegon — "unforgettable" pop music WKJR — 1520 AM — Muskegon — religious programming and music WABM — 101.7 FM —
Muskegon — beautiful music
WKLA — 1450 AM — Ludington
— middle-of-the-road

Everybody DX so you can report to the Anninersary Issue! 🛡

WKLA-FM — 198.3 FM —
Ludington — adult contemporary
WMUS — 1989 AM — Muskegon
— contemporary country
WMUS-FM — 196.9 FM —
Muskegon — contemporary
country
W@WQ-FM — 194.5 FM —

Muskegon — beautiful music

WHIN — 1550 AM — Fremont

— middle-of-the-road

WHIN-FM — 100.1 FM —

Framont — middle-of-the-road

WTRU — 1600 AM — Muskegon
— "diddes" hits from the "50s up

to the '60s.

WCNF-FH — 95.3 FM —

WINITERIAL — country

WPBK — 1490 AM — White
Lake — adult contemporary,
community broadcasting

# DX WORLDWIDE - WEST

# Pat Martin - Editor

P.O. Box 843, Seaside, Oregon 97138 (503)861~3185 deadline MONDAY

DX here has been very slow, Foreign Wise at least. Conditions haven't been the best to say the least. Don Moman up in Edmonton, Alberta has really been pulling in the TA signals though. On with the reports:

#### TRANS-ATLANTIC DX ROUNDUP

- U.S.S.R.? Germany???, Unid on 1/30 at 0426, yl singing, folf mx, no talk 155 Germany has 250 kW, USSR with 500 kW, Romania 1200 kW, (DM-Ab) FRANCE, Allouis-1/30 0232, good, old Beatles mx, OM in FF, best LW TA (DM-Ab) U.S.S.R., 1/30-0415 fair OM in RR (DM-Ab)
- 164
- 173
- \*Also noted 2/1 at 0233 poor, RR talk (DM-Ab)
  EAST GERMANY, on 2/1 0231 fair Over and Over sung in EE (DM-Ab)
  (t) \*Also noted with classical mx 0235-1/30 (DM-Ab) 179
- 200
- ENGLAND, at 0434 1/30, excellent, EE OM talk, stories sea-chanties sung great signal at times (DM-Ab)
  POLAND, on 1/30-0420 good, light classical mx, talk in Polish (DM-Ab)
  \*Also noted 2/1 0107 fair "Pur Your Head on My Shoulder" Sung in EE, 227 another song in language? (DM-Ab)
  LUXEMBOURG, 1/30 0420 poor, om in FF (DM-Ab)
  ALGERIA, 1/30 0442 faint, person in lang? too faint to tell (DM-Ab)
- ALGERIA, 2/1 0258 fair ME singer, time pips at 0300, anmt by OM, into nx I presume (DM-Ab)
  EAST GERMANY, 1/30 0228 fair YL pop songs // 1044 (DM-Ab)
  EAST GERMANY and SWITZERLAND, ?? 1/30 0607 poor someone else w/Neil
  Diamond, under E. Germany (DM-Ab)

  576 UNID, many choices 2/1 0301 poor, Opera singing (DM-Ab)
  549(opps) USSR, 1/30 0444 good soft EZL mx no 550 U.S. signals! (DM-Ab)
  WEST GERMANY, 2/1 0308 fair GG talk and songs (DM-Ab)
  WEST GERMANY, 1/30 0534 fair to poor, OM vocals OM in Durch?, news.(DM-Ab)
  1008 (t) NETHERLANDS, 1/30 0557 fair to poor, OM vocals OM in Durch?, news.(DM-Ab)
  WEST GERMANY, 1/30 0507 good "Bird Dance" song, OM in GG (DM-Ab)
  \*Also noted I/30 0300 fair time pips "Baden Baden" hrd by OM, news (DM-Ab)
  1026 (t) AUSTRIA?? 1/30 0555 faint waltzes(Vienna style?hi) (DM-Ab)
  1035 UNID Italy? Portugal? 1/30 0453 fair, lang? 5 pips at 0500, (Not RR to me)
  1044 EAST GERMANY, 1/30 0100 time pips, talk by yl in GG (DM-Ab) (DM-Ab)
  1062 UNID, 1/30 0603 faint, inst. mx (DM-Ab)
  1075 UNID, 1/30 054 poor, jazz mx not // 1044 (DM-Ab)
  1085R, Leningrad 2/1 0059 fair, kremlin Bells at 0100, EE nx by YL (DM-Ab)
  1070 UNID, 1/30 0603, this normal? (DM-Ab)
  1071 Until 0500, is this normal? (DM-Ab) 531 (t) ALGERIA, 2/1 0258 fair ME singer, time pips at 0300, anmt by OM, into

# PAN AMERICAN DX ROUNDUP

- BELIZE, 1/30 0219 good, EE OM songs (DM-Ab)

  MEXICO, Ti juana-XEGM 2/7 0855 good w/Radio Todos' ID's, SS mx, KJR off
  HATTT, Cap Haitian-4VEC, good w/OM in SS, Organ mx at 1034 (EH-Wa)
  on 2/11 (PM-Or) 834 950 1035
- ANGUILLA, Caribbean Beacon 1/30 0404 poor, EE rel pgms (DM-Ab) 1610

# TRANS-PACIFIC DX ROUNDUP

- HAWAII, Wailuku-KRWI 1/29 1220 good with rr mx,ment. of upcoming mx special ID's. Also 2/9 1003,xlnt w/Mutual nx,wx rr mx,KARI null(EH-Wa) AlaSKA, Petersburg-KRSA 2/2 1520 good w/spot for National Bank of Alaska,ment. of Sports update by yl (EH-Wa) HAWAII, Hilo-KIPA 2/11 0956 good o/CKCK w/ezl mx,wx,nx,into s/off at TOUS,KCW off (EH-Wa) 550
- 580
- 620
- 585(opps)UNID, here w/Oriental lang,looped WNW,prob. JOPG (EH-Wa) 639 FIJI, Lautoka-Radio Fiji 1 2/9 1058 fair w/EZL mx,time pips nx (EH-Wa)

ALASKA, Anchorage-KYAK- 1/31 1300 fair w/ID's C&W mx (EH-Wa) HAWATI, Honolulu-KKUA 1/29 1209 fair w/MOR songs, TC's, ID (EH-Wa) 650 690

747

(They should be rr, not MOR. PM)

JAPAN, Sapporo-JOIB 1/30 1158 good w/EE lang less. time pips (EH-Wa)

ALASKA, Anchorage-KFQD- 1/29 1334 good o/KXL w/"Stereo K-F-Q-D" 750 slogan into rr songs (EH-Wa)
HAWAII, Honolulu-KGU 1/29 1159 good w/AM-76 ID ment. of talk show

760

CBS nx on the hour (EH-Wa) HAWAII, Honolulu -KIKI 1/29 1140 fair w/Stereo 83 ID's, YL, rr mx (EH-Wa) UNID, putting strong het on KCLG/WOAI, may have hrd opera, but unsure Australia is non-existant here, so don't think it was them. Poss. China? Mucho KLOK slop (RW-Ca) (Robert, prob. China. Anyway 2GF-Australia is 830 1206?

not Classical PM)

# THANKS TO THESE FINE REPORTERS:

Ed Hoffman-P.O. Box 125-Burlington, Washington 98233 EH-Wa

IC-R70,SM-2 loop

Don Moman-6815-12 Avenue-Edmonton, Alberta, CANADA T6K 3J6 DM-Ab 1/16 DKing with 2200 NE Beverage at Joseph Lake(35 km-Edmonton)
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