



# DX MONITOR

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VOLUME 15 NO. 27 WHOLE NO. 478 MARCH 25, 1978

## DX CALENDAR DX CALENDAR DX CALENDAR

Mon. 3-27-78 0000-???? WXAP--860 Atlanta GA 1 kw  
 Mon. 3-27-78 0000-0100 CJMR-1190 Mississauga ON 10 kw  
 Mon. 3-27-78 0200-0300 KNWS-1090 Waterloo IA 1 kw  
 Mon. 3-27-78 0230-0240 WAMS-1380 Wilmington DE 5 kw  
 Mon. 3-27-78 0200-0230 WKIE-1540 Richmond VA 10 kw  
 Mon. 4--3-78 0330-0430 KROW-1460 Dallas OR 5 kw

CJMR-1190(10000-D) Will use tones, music, voice IDs every 5 min. Prepaid calls to (416) 279-1190. Gary Bugler will conduct test. Rpts to: CJMR Engineering, 490 Wycroft Rd, Mississauga ON, L6K 2H1. Arranged: Niel Wolfish, Douglas Miske for IRCA. (Ed note: Sorry this is too late but just got the word..dkk).

WXAP-860(1000-D) Reports to Dan Dunnigan, GE, WXAP Radio, 1111 Boulevard SE, Atlanta. Arr: Chuck Hutton. KNWS-1090(1000-D) Tones and IDs. Prepaid calls accepted at (319) 234-2658. 1 kw ND pattern. V/s David J. Dobes, GE, KNWS, Northwestern College, Waterloo, IA, 50702. Arranged: Geoffrey L. Parrish, GWDKA.

WAMS-1380(5000-1000-U) Tone & Code IDs. Will use 5 kw. f/c will be for 5 to 10 minutes only. V/s is Ron Schiller, GE. Arr: Jim Hopkins for NRC/IRCA.

WKIE-1540(10000-D) A series of tests beginning 3/6/78 and continuing for an unspecified period of time on Monday Mornings during KXEL's silent period. Arranged by Brian Sherwood...IRCA. Rpts to WKIE, 6001 Wilkinson Rd., Richmond VA 22327. Prepaid calls accepted at (804) 264-9080.

KROW-1460(5000-D) Test of 3/6 did not appear due to transmitter failure. This is reschedule of that test. Tones & voice IDs. c-back issues for further details. Arranged by GWDKA.

## Geomagnetic Indices



(Fredericksburg)

Date	A	K - Indices	Date	A	K - Indices
2/13	7	3-3-1-1-0-2-2-1	2/20	9	2-2-3-2-3-2-2-2
2/14	8	1-1-0-3-2-2-1-4	2/21	8	2-2-1-1-2-3-2-3
2/15	32	3-4-5-7-3-1-1-1	2/22	14	3-3-3-1-2-3-3-4
2/16	7	1-1-2-3-2-1-2-2	2/23	4	2-1-1-1-2-0-1-1
2/17	6	3-2-1-0-2-1-1-2	2/24	3	1-1-1-1-1-1-1-0
2/18	8	3-2-2-1-3-1-2-2	2/25	9	0-2-2-2-0-0-4-4
2/19	11	3-4-2-1-3-1-1-3	2/26	21	5-4-2-3-4-3-3-3

Date	Ott	Ssp	A	K - Indices
2/27	140	179	33	4-4-3-4-5-5-4-5
2/28	138	150	32	4-5-3-3-2-5-5-5
3/ 1	139	206	28	4-3-2-4-5-4-4-5
3/ 2	144	236	20	4-4-4-2-3-3-4-3
3/ 3	149	202	13	4-3-3-2-2-2-2-3
3/ 4	151	167	2	1-0-0-1-1-0-0-1
3/ 5	157	88	4	1-0-1-1-2-2-2-1

The column titled "Ott" is the daily Ottawa 10.7 cm solar flux. This is the value broadcast on WWV. The column titled "Ssp" is the Daily sunspot number usually as observed at Boulder, CO. The Zurich (unsmoothed) mean sunspot number for February was 89.8 as compared to 49.3 in Jan.

## FLASH TIPS

### HEADQUARTERS ITEMS

From Niel Wolfish....CFGM-1310 50000/50000 in Richmond Hill, Ont. has moved from 1320 w/same power. Also CHYM-1490 5000/10000 Kitchener, Ont. now programs MOR daytime/ROK nighttime after 1830 ELT. And lastly, CKOY-1310-Ottawa, Ont. has been bought by the owners of CKEY-590-Toronto.

From Don Erickson....A beverage wave antenna DXpedition with all Tropical Band & Medium Wave (BCB) DXers invited to participate in a combination picnic/campout/ DXpedition on Saturday night, April 8, in the vicinity of 29 Palms, CA. 2 Beverage antennas, each about 3000' are available. For details, call 714-687-5910, or write: Don Erickson, 6059 Essex St., Riverside, CA 92504.

From HQ....My how time slips away, right? Well, it isn't slipping that fast, so take your marking pens and cross out "25" from the dateline of the last issue and insert "18". Segalas informs me he's changing my title from "Illustrious Editor-in-Chief" to "Illustrious Chief Klutz". Sorry everyone...dkk....



KDKA-FM67.9 ft. antenna located atop KDKA-TV 679 ft. tower, Pittsburgh, Pa.

KDKA-AM 718 ft. tower located at Allison Park, Pa.

**KDKA RADIO 1020**  
WESTINGHOUSE BROADCASTING COMPANY

ONE GATEWAY CENTER PITTSBURGH PENNSYLVANIA 15222

RECEPTION VERIFICATION CARD

AM 50,000 Watts      1020 KC.      Clear Channel  
 FM 47,000 Watts      92.9 MC      Channel 225

This Souvenir Card verifies your reception of Programs broadcast by Station KDKA on 3/22/78 KDKA appreciates your interest and reception reports and hopes that you will continue to listen. KDKA pledges "Constantly to Strive Toward Perfection, in both Programming and Transmission".

The most famous radio station in the country! Broadcasting began at KDKA with the broadcast of the returns of the Harding-Cox election, November 2, 1920. Operating at 1020 on the dial, 24 hours daily, KDKA's 50,000 Watts-Clear Channel provides a rounded and balanced program fare for five and a half million people within its primary coverage area, but its powerful signal has also been picked up in every state in this country and in every country in the world at some time or other.

## The Inside Story

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# eastern dx roundup

Bob Curtis  
17 Cobbleview Dr.  
Colchester, VT 05446

DEADLINES: Mon. April 3rd., Mon. April 17th.  
All times are Eastern Local Time

As we approach the end of the weekly reporting, please note the above deadlines.  
Splatter:

- "KAWS Hemphill, Texas. This new one is ON."  
(see 1530) Karl Jeter - GA.  
"I finally ID'd the FF Canadian on 1330 kHz."  
Roger Morby - NY  
"Don Davis' favorite city, hi!" (see 990)
- Karl Jeter - GA  
\*\* \*\* \* \* \* \* \* \*\* \* \* \* \* \* \*\* \* \* \* \* \* \*\* \* \* \* \* \*
- 640 WHLO OH, Akron 2/23 1945-2000 Good w/talk show 1945-2000, then into MBS News. (JR-MI)
- 680 WCAW WV, Charleston 2/27 1800 With country mx u/o CFTR at 1800. (JR-MI)
- 690 WVOK AL, Birmingham 2/27 1740-1750 Fair to good w/country mx. (JR-MI)
- 850 WJAC PA, Johnstown 3/7 2249 Wx forecast by YL anncr (3-5 inches snow forecast). T-40 mx. Good. (WPT-DC)
- 910 WJCW TN, Johnson City 1/24 0410 Poor w/c/w mx. Request number for truckers was given. Small-town c/w format rather than big-city formats. NEW. (BS-ON)
- 960 WBOC MD, Salisbury 3/2 1800 MoR mx. ID, CBS Nx. Good signal. (WPT-DC)
- 990 KNIN TX, Wichita Falls 3/5 0539 Briefly u/WNOX mess at 0539. (Don Davis' favorite city, hi!). (KJ-GA)
- 1090 KAAV AR, Little Rock 2/23 1815 Good w/rock music after WMUS s/off at 1815(JR-MI)
- WMUS MI, Muskegon 2/23 1800 Good w/c/w mx after WIID s/off at 1800. (JR-MI)
- 1100 WWWE OH, Cleveland 3/7 1752 T-40 mx. Fair sig 36 mins before OH sunset.(WPT-DC)
- 1110 WBT NC, Charlotte 3/7 1751 T-40 mx. Good, but badly slopped by WUST, 37 mins before NC sunset. (WPT-DC)
- 1130 WCAR MI, Detroit 3/1 0726 Briefly faded o/WNEW at 0726, even on longwire! unn though. (RAM-NY)  
(ed: I've finally learned that the abbreviation 'unn', that several reporters like to use, means 'unneeded'. Thanks to IRCA'er Tom Farmerie.)
- 1160 WJJD IL, Chicago 3/7 1812 "All Shook Up" by the late Elvis Presley. Good sig 40 mins before sunset in IL. (WPT-DC)
- 1180 WHAM NY, Rochester, 3/7 1748 Nx, ad, song by Elvis Presley. Good (S-6) sig 20 mins before sunset. (WPT-DC)
- 1250 WKBL TN, Covington 2/26 1843 Poor w/s/off at 1843. Thought I had a WKBM at first, until tape replay corrected this. (KJ-GA)
- 1270 WHBF IL, Rock Island 1/23 0310 C/w mx in nulled CJBC w/a poor signal, but did hear two IDs. NEW. (BS-ON)
- 1310 KNOX ND, Grand Forks 1/28 0730 Nx heard here w/WWKR and others. At the end of news and weather, caught KNOX ID, then stn lost in mess. Anyone know their format? (BS-ON)
- 1320 CFGM ON, Richmond Hill 2/22 0130-0200 Loud & clear on New Freq w/country music. (JR-MI)
- 1330 CKLD PQ, Thetford Mines 2/24 2252 This is call and QTH for this station per information in the "Frozen North Column" and ID at 2252. (RAM-NY)  
(ed: QTH is location.)
- 1350 WHWH NJ, Princeton 2/13 2010 Poor-fair w/MoR mx, many spots and several IDs. At 2108 heard a "WHWH Princeton" ID just after the news. In all eve. (sta format similar to local CFRB). NEW. (BS-ON)
- 1360 WCHL NC, Chapel Hill 3/6 1821 A surprise w/ID "it's 6:21 on CHL" at 1821 o/WDRG/WKOP/WIXZ. (RAM-NY)
- 1370 WFEA NH, Manchester 3/2 0140 Popped in u/WSPD/KFRO briefly 0140 w/wx and "13-FEA" slogan, then into rr. Too much WSPD for decent copy. This first logged in March '77! (KJ-GA)  
(ed: real good catch!)

- WSAY NY, Rochester 3/6 0037 Ad, ment of WSAY by young man. Fair u/WSPD. (WPT-DC)
  - 1380 WOWW CT, Naugatuck 2/7 2210 First time heard in eve. W/good to xnt signals. Had reports about snowstorm, so possibly on a different pattern. Rock mx w/"WOW Radio" IDs. (BS-ON)
  - 1390 WEGP ME, Presque Isle 3/7 0733 Much wanted, heard 0733 w/sports nx, ID, ads for Presque Isle. Maine # 15, station # 750. (ed: very good!) (RAM-NY)
  - WFIW IL, Fair field 3/5 1859 Poor w/s/off. Ment of Wayne County Bdcst. Corp. Wx heard before s/off. (KJ-GA)
  - 1400 WCOS SC, Columbia 3/6 0213 Unneeded, but noted good w/rr and disco-club ad. (KJ-GA)
  - 1420 WOC IA, Davenport 2/7 2215-2235 C/w stn noted behind WHK w/a fairly clear "WOC News" ID at 2230 into news. Is WOV c/w? NEW. (BS-ON)
  - 1440 WCDS KY, Glasgow 3/1 1845 S/off at 1845 w/ment of WOBO-105.5 FM and "country-politan" mx. (KJ-GA)
  - WRDD MI, Bay City 2/12 1600-1630 (ex-WBCM) w/country music. (JR-MI)
  - 1470 WKMF MI, Flint 2/22 1845 Poor w/CHOW, WHOH QRM. Stn address given twice for some phone call contest, and then another phone call made. NEW. (BS-ON)
  - 1530 KAWS TX, Hemphill 3/1 1926 This new one is ON, fair in WCKY null, 1926 w/s/off w/Temme anncr and SSB at end. (KJ-GA)
  - WHIY AL, Moulton 3/1 1833-1837 Very good at 1833-1837 w/c/w mx, "Hi-Radio" slogan, "WHIY Information Nx" and "Super Top-40" promos. (KJ-GA)
  - 1590 WLPA GA, Lafayette 2/3 1830 S/off w/short song sung by YL to end the day. In very good, well over WAKR (that it was WAKR). NEW. (BS-ON)
  - 1600 WHVL NC, Hendersonville 3/8 0016 This stn was ET'ing with MoR mx. ID by OM anncr. Fair w/slight QRM. (WPT-DC)
- PER THE LIST
- 1400 WOND NJ, Pleasantville 2/27 0026 f/c per the list, clear ID 0026 & TT, (KJ-GA) but seemed to be on past 0030.
  - 1490 KBIX OK, Muskogee 3/2 0203 f/c per the list TT & SID 0203. (KJ-GA)

REPORTERS THIS ISSUE

- KJ-GA Karl Jeter, 2816 Frontier Trail, NE, Atlanta, GA 30341 HQ-150, TRF & SM-2
- RAM-NY Roger A. Morby, Ushers Rd., Ballston Lake, NY 12019 TRF's, HQ-100, various longwires & dipoles
- JR-MI Jerry Robertson, 6065 Gardner Line, Crosswell, MI 48422 rcvr?
- BS-ON Bernard Schulze, 26 Underhill Dr., Apt. 1102 Don Mills (Toronto), ON M3A 2J4 Grundig 700
- WPT-DC Bill Townshend, 4500 Conn. Ave., NW, Washington, DC 20008 DX-160

73 and good DX: Bob Curtis

## Tests For Channel Separation Worry NAB

The National Association of Broadcasters has expressed concern over tests conducted by the FCC December 13-14 to determine the extent of potential interference to AM stations when the channel separation has been reduced from 10 to 9 kHz. The NAB believes that two nights of testing are not enough to lead to significant conclusions, and furthermore, it said that tampering with channel space would lead to interference, adverse effects on directional antennas, AM stereo and receiver design. The purchase of new equipment and conversion of existing equipment necessitated by such a change may be too costly for marginal radio licensees to undertake, says the NAB. Requests for additional AM facilities, NAB states, can be met by expanding the present AM broadcast band.

## Radio Listeners Like News Delivered In Lively Manner

According to an Ohio State University School of Journalism study, radio listeners are more likely to remember the content of a news broadcast when the announcers project their personality into their voices and present the news in a friendly, expressive manner — but without the personal exchange of "happy talk" format and one with a minimum of that type of delivery. Researchers also found no significant difference in listeners' retention of content for newscasts in which key information was repeated over those in which there was no repetition.

**central dx  
roundup**

Richard C. Evans  
P.O. Box 392  
New Buffalo, Mich. 49117

DEADLINES: 4/3 4/18 5/2 5/30 6/27 7/25

- 580 WELO MS Tupelo, 3/3 0056-0101, strong with Mutual Nx and s/off. (RS)
- 710 WGBS FL Miami, 3/6 0420 ID, freq clear at the time, strong ID but nothing else. Would have made a fine addition to my tape collection, but the tape ran out 15 seconds before. (RS)
- 730 CHYR ONT Leamington, 0159-0215 2/19. Music, Wx, spots, Nx. Good signal, little noise or QRM, moderate fading. (CR)
- 900\*WCOR\*TN\*Lebanon, 3/3 0122-0204. Fair to completely unreadable on PoP w/various tones & brief periods of OC; 1 ID just barely managing to punch thru unbelievable QRM which obliterated the signal most of the time; slight WLS slop also noted; new around here w/stn called and rptd. (SAM)
- 940 WCSW WI Shell Lake, 1721-1737 2/21. Reading of local obituaries, community Nx, central stock market report, spots, national Nx, music. Fair signal, moderate QRM from local KRSI-950, no fading. (CR)
- \*????\*unid, 3/9 0118-30. Unlisted f/c noted here w/750-cycle tone (similar to that used on many KY f/cs) & 1 badly managed ID at end of check. Fair to poor signal o/n WINZ/WYLD/other unid mess; an ID on this one looks promising, and it will be investigated on the second Thursday of next month. (SAM) (Watch it be a Q3, hi--rce)
- 950\*KXJK\*AR\*Forrest City, 3/4 0107-0205. Very good to somewhat below average on ET w/various tones, short periods of OC, and very extended ID w/TC shortly after the hour; generally well over KIMN, XFYJ, & other unid QRM; occasionally hrd around here both on s/on & SSS; rptd several years ago with no verie ever rcvd. (SAM) (Took only ten days in Dec., 1967 for a verie--rce)
- 970 WDAY ND Fargo, 0123-0148 2/12. Mx, spots, and more music. Fair signal, slight QRM from local WAYL-930, moderate fading at times. (CR)
- 980 KMBZ MO Kansas City, 3/3 0230-0235, poorly thru WONE with news. (RS)
- 1050 CHUM ONT Toronto, 2238-2257 2/27. Music, spots, more music, local weather, good signal, slight QRM at times, very little fading. (CR)
- 1140 WQBA FL Miami, 2/28 0132-34. Briefly surfacing over unid TTer w/SS programming, ID in EE, then right back into SS; slight WRVA QRM & "Fidel's" jammer strangely weakened; 1st time hrd in these parts since 11/76 w/nice v/l rcvd. in about a week. (SAM)
- 1170 KSTT IA Davenport, 2239-2251 2/23, music, spots, good signal, little QRM or QRN, moderate fading. (CR)
- 1260 WNDE IN Indianapolis, 2233-2254 2/15. Music, spots, school closings, weather. Fair signal, moderate QRN fand fading. (CR)
- 1300 KGLO IA Mason City, 2317-2329 2/14. PSA, CBS sports, local and regional sports and comments, fair signal, moderate QRM and fading. (CR)
- 1310 WIBA WI Madison, 2342-2400 2/14. PSA, music, local weather, news, fair signal, slight QRM, moderate fading at times.
- 1490\*KARV\*AR\*Russellville, 3/6 0117-38. /// (CR) Good to fair on PoP w/400 and 1000-cycle tones, brief periods of OC, & two taped IDs; slight QSB, but generally well o/usual GY QRM; signal vanished as suddenly as it appeared; new in these parts w/stn called and reported. (SAM)
- 1520 KOMA OK Oklahoma City, 2155-2214 3/2. Music, spots, local weather update, KOMA rear window sticker contest; good signal, little noise, QRM or fading. (CR)

- 1530\*WMBT\*PA\*Shenandoah, 3/6 0234-0329. Very good to fair on PoP w/various tones, short periods of OC, MoR/Rock Mx, and OM giving short counts as well as general banter; no ID until 0329; considerable QSB, but frequency clear w/WCKY off, no sign of WTTI testing, and just very faint KFBK QRM; very happy with this new one, stn called & rptd. (SAM)
- 1540\*WKIE\*VA\*Richmond, 3/6 0156-0213. Noted ETing again w/jazz/hard rock Mx & many IDs w/CE asking for rpts and phone calls; mixing badly w/KXEL prior to their weekly SP at 0200, but very readable after that; this is a very friendly stn and a rpt will bring back a v/l in about a week. (Possible CPC candidate for next season?) (SAM) 3/6 0200-0217. Noted on ET w/stn called & rptd. This will be a regular ET during KXEL's SP. See DX Calendar. (BPS)
- 1570 CFOR ONT Orillia, 3/11 0105-06. Caught in the middle of s/off mentioning "Good night, good morning, and good listening" followed by CFOR Mx Jx, and "O Canada"; mixing w/the "grizzly" & other unid QRM, but quite readable; 1st relogging of this one in about 2 years w/v/q rcvd in about six months. (SAM)

PER THE LIST:

- 1st WED: WMFC-1360 AL t (SAM)
- 1st FRI: WHBG-1360 VA (RS)
- KFVS- 960 MO (RS)
- WVBZ-1360 NJ (RS)
- 1st SAT: KRNY-1460 NE T (SAM) Note: on this month 0200-15.
- 2nd SAT: KNLV-1060 NE T (SAM) tentative, but hear before.
- 4th MON: KAMA-1060 TX T (SAM) tentative, thanks to WNOE TT.

A TIP OF THE HAT THIS WEEK TO:

- CR - CLAYTON A. ROBERTSON, 2603 Mayer Lane, Saint Paul, Minnesota 55119
- SAM - SCOTT A. MENTZER, Route Three, Tylertown, Mississippi 39667
- BPS - BRIAN P. SHERWOOD, 221 Larch, Elmhurst, Illinois 60126
- RS - ROBERT STEADMAN, 2758 South Wentworth Avenue, Milwaukee, Wisconsin 53207

Re Mike Sapp's comments in 3/4 EDXF about listing receivers and antennas in CDXR, I've never felt that there was any great advantage to knowing the information. Some good catches are made on small "poor" equipment, and other good catches aren't caught on good equipment even if the signal is being hrd in the area by others. Examples: my one RI was hrd on a Sony transistor at work during SRS (I was just looking for Mx, not DX, hi); yet, I had a call one night that WJAR-920 was in and couldn't dig it out on an HQ-100 using a lopp. Also, I've hrd an Omaha graveyard on an old RCA Victor 3 tube table radio with a built in antenna, but who would have believed it? I feel that timing is more important than the equipment. How many newcomers to the hobby are intimidated by the listings of the HQ's and the Lafayettes and the Drakes, or others feeling that certain catches were actually "fakes" because "you can't hear it using that radio"? Actually, I might well have been listening equipment anyway except that for my first CDXR column dated 9/5/70, one reported listed eight different receivers, and that killed it. Also, I consider the practice of listing the state abbreviation with reporters initials on each tip useless, distracting and confusing--more on that next week if I have the time and remember. I'm now told that my last day at work will be 3/31. 73.



RADIO STATION

*WADA*

DRAWER 1390 - SHELBY, N. C. 28150

NANCY HARDY, Editor  
2301 PACIFIC AVE.  
ABERDEEN, WA 98520

# western dx roundup

ALL TIMES ARE EASTERN LOCAL

Phone for hot WDXR tips: (206)532-6827 till  
11:30pm (PLT) nightly--prepaid calls only

DEADLINES: Thursday April 6  
Thursday April 20

## REPORTERS FOR THIS ISSUE:

- (HC) Herb Childs-1810 Euclid Ave. #22-Berkeley, CA 94709  
Realistic TRF
- (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520  
Lafayette HE-30, SM-1
- (NH) Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA 98520  
Lafayette HE-30, SM-1
- (WJH) Bill Harms-1120 Elm-Provo, UT 84601  
Patrolman 9, Realistic TRF, a cobweb-like mass of wires strung around in room
- (RtH) Rick Heald-1581-20th Avenue-San Francisco, CA 94122  
Hammarlund HQ-129X, TRF, 90 cm wedge
- (DS) Dan Sheedy-Box 30-Encinitas, CA 92024  
SPR-4, Radio West ferrite loop
- (RET) Randy Tomer-DX'ing in Cambria, CA  
Sanyo portable placed inside of wedge loop
- \*\*\*\*\*
- 590 KUGN OR, Eugene-Springfield 2/23 0316, money give-away promo, mention of several Eugene-Springfield businesses as sponsors. Usual KFRC-610 slop, otherwise strong. (HC-CA)
- 740 KBRT CA, Avalon 3/11 0903-0905 clear "This is KBRT" ID and then EZL mx. In good o/KCBS. (WJH-UT)
- 860 KIFN AZ, Phoenix 3/12 2018 w/SS MOR, not really good, thru KWHO/KTRB w/XEMO off. (DS-CA)
- 860 KTRB CA, Modesto 3/12 2018-2040 w/EE/SS programs. Mutual nx in EE, ads, etc in SS. Easy split of KIFN/KTRB on loop... cheap thrills on a Sunday night. (DS-CA)
- 860 KWHO CO, Salt Lake City 3/12 2030 s/off w/instrumental portions of America. ID etc. KTRB chewing them up pretty well. (DS-CA)
- 980 KUPI ID, Idaho Falls 3/10 2030 s/off following C&W mx. Loud & clear o/KUTI & CKNW. Thanks NHP for your 3/4 DXM--WDXR tip! (NH-WA)
- 980 KVLV NV, Fallon fair 2045-2059 2/7 w/piano mx, then s/off. (RET-CA)
- 1030 KSC0 CA, Santa Cruz 3/11 0917-0919 Monterey Bay wx, ID, TC, mx. In good, no QRM. (WJH-UT)
- 1090 KAAAT CO, Denver 3/9 0858-0900+ religious program, ad for a car dealer, ID. Good, o/our friend just south of the border. (WJH-UT)
- 1110 KRLA CA, Pasadena 3/13 0245 playing Elvis' greatest hits, poor to fair in KFAK-1100 slop. Anything new re their status w/FCC? (HC-CA) (Still a temporary operation while the competing applicants for the frequency battle it out in the courts. --NH)
- 1130 KSDO CA, Dan Diego 3/11 0922-0925 nx, ID, "KSDO Newsradio." Fair to poor. QRM from KRDU? Not CKWX. (WJH-UT)
- 1150 KIIS CA, Los Angeles 2/28 0324 ID as "Kiss" between pop mx records. Also on Amer. Top 40 list, but not running it at this time. Came up after KAGO fadeout. (HC)
- 1150 KAGO OR, Klamath Falls 2/28 0310 outro of an Amer. Top 40 program. Announcer said it was 10 min. late due to earlier basketball game. ID not heard, but he mentioned Klamath Union HS Pelicans, Medford Black Tornado & Grants Pass Cavemen, coverage of HS EKB games. Momentarily strong, then faded. (HC-CA)
- 1190 KEZY CA, Anaheim 3/5 0500 in OK w/KEX off, QRM from somewhere. (HC-CA)
- 1230 KAAA AZ, Kingman 3/10 0105-0108 nx by YL, wx, pop mx. Fair to good w/QRM. (WJH-UT)

- 1240 KXLE WA, Ellensburg finally heard on 3/12 2104 "KXLE newstime." Faded out but came back a few minutes later & was in fair to good till 2130 when they gave AM & FM ID and went into American Entertainment nx. O/u KGY, KFLY, KPRB, etc. (NH-WA)
- 1270 KDJI AZ, Holbrook 3/10 0856-0901 chants in Navajo. Good, o/all QRM. (WJH-UT)
- 1300 KMP5 WA, Seattle 3/13 0355 ID by YL announcer. as "AM 13 and FM 94, radio compass", country mx song & PSA for Seattle Police Dept., ID at 0400, into nx read by same YL. Fair to good w/QRM from SS and another unID station. (HC-CA)
- 1310 WRR TX, Dallas 3/13 0405 poor w/QRM in network nx and ID, came up strong as Jepko recited his phone numbers. (HC-CA)
- 1330 KUPL OR, Portland 2/21 0444+, EZL mx, mixing about equal to KFAC's classical mx, frequent ID's. (HC-CA)
- 1340 KATY CA, San Luis Obispo 2/22 0930 sounded like a s/on w/mention of "Katy" and San Luis Obispo, o/usual mess. (HC-CA)
- 1360 KMO WA, Tacoma 3/1 0358 ID, wx 33° in Tacoma, into some yodeling mx (How often do you hear that?), another ID at 0400. (HC-CA)
- 1370 KPCC CA, Quincy w/local spots & ID 2022 3/7; fair signal briefly, then faded u/KEEN. (RET-CA)
- 1390 KCEY CA, Turlock 3/10 0142 country mx. New for me. (HC-CA)
- 1400 \*KXIV\* AZ, Phoenix heard w/fair signal u/KSLY null 0315 3/6 w/wx report, code ID and test announcement. Rapid fadeout followed, but I think test had lots of vocals by YL singers. (RET-CA)
- 1400 KAAP CA, Santa Paula fantastic signal w/and o/local KRE w/adult rock format at 2350 3/8 w/solid ID at 0000, this on my three hour old TRF! Signal not as good on the Hammarlund HQ-129X!! New for call change. (RtH-CA)
- 1420 ?KCCN? HI, Honolulu weak Hawaiian mx noted u/KSTN null 0320 2/6, probably was KCCN; no ID yet. (RET-CA)
- 1440 KUHL CA, Santa Maria noted on at 0714 3/11 w/light rock, followed by ID & TC. When did they go AN? (RtH-CA) (They have been ET'ing a lot lately. Could that have been what you heard?--NH)
- 1460 \*KROW\* OR, Dallas DX special was not heard, due to KDON's usual intense signal. (RET) (Also due to the fact that KROW probably wasn't on, hi. No one else heard the test.--NH)
- 1510 WLAC TN, Nashville excellent signal, first time heard literally in years, 0610 3/12 in KGA SP, w/weak WBEX under. Almost like the good ole days! (RtH-CA) (WBEX??? That would have been a good tip too.--NH)
- 1520 KYXI OR, Oregon City 3/10 0116 plug for Winterhawks hockey broadcasts, "KYXI news time is---", typical all-nx format. QRM from KOMA & others. Didn't this one used to be in Oregon City? (HC-CA) (You had this listed as Portland, Herb, but it's still Oregon City!--NH)
- 1540 KKAP CA, Aptos-Capitola 3/12 2050-2100+ finally got this one at SSS. SID at 2100 "Jack and Jill radio (?)" pop/MOR mx. Drowned out by KPOL by 2115. I didn't hear any s/off. (HC-CA)  
+Finally nailed 'em down 3/11 from 1739 till ID at 1800, adult rock format. VJ says Aptos, ID says Capitola, which is it? Super heavy KKHI-1550 slop, have to loop at KKHI's xmtr for KKAP. (RtH-CA) (All reports till now have said they ID as both Aptos-Capitola.--NH)
- 1550 unID 3/6 0845 classical mx, gave ID at 0845 which I missed, but temp was 57 degrees, then OM announced and played a Bach prelude & fugue. U/o KRG0 & KGAR. KKHI not on till 0900. Whodat? (HC-CA)
- 1560 KKAA SD, Aberdeen noted AN w/YL & good country mx 3/12 0545 to ID & CBS nx at 0600. When did they go AN? Anyone on WC needing SD, this is a good bet. (RtH-CA) (AN week-ends only.--NH)

1560 \*KGHO\* WA, Hoquiam 2/13 0433, in very strong w/ET. (HC-CA)  
1570 KQVR CA, Lodi 3/10 2112 w/editorial comment, 2114 s/off w/SSB. Good, no QRM. (WJH-UT)  
1580 KWIP CA, Merced a real shocker 3/10 2115-2116 w/s/off. Fair w/XEDM. No KDAY noted. (WJH-UT)  
1600 KUBA CA, Yuba City 3/10 2108-2110 local ads, ID, and mx. Fair to good, o/QRM. (WJH-UT)

March r/c's:

2nd MM: KMTX-950, KQIK-1230, KVAC-1490 all heard at listed 1st MM times. (BH-WA)  
KBFI-1450 (Listed for 1st MM) heard 3/13 0300-0330. (BH-WA)  
Tried but not heard 3/13: KMCL-1240 (BH-WA) (RW-CA heard KMCL on 3/6.--NH)

Welcome to WDXR, Dan! Rth, you just set a new record --two Rth reports in a row to WDXR! What a shock, hi. It seems like each spring & summer support for the column drops off, so I hope everyone will continue with the fine support you've shown all winter. 73.

## eastern dx forum

John Zondio  
6617 Maryland

Hammond, IN 46323

Larry Flegle-3316 17th Ave.-Sheffield, AL 35660  
Well, I did it! As of March 7th, I am part-owner of WBTC-FM radio. I am 29 years old and since age 15 it has been my dream to own a radio station. Well, dream came true. WBTC is a full-time Gospel station. For fun, I'll be working 6pm til midnight on Fridays as an announcer. I still have my accounting practice and I'm still Music and Youth Director at a local Baptist church. If you're ever in the Sheffield-Tuscumbia area, give me a call and I'll give you a station tour. 73's LVP

Bill Townshend-4500 Connecticut Ave. NW #901-  
Washington, DC 20008

Two weeks ago I mentioned the splash problem. In addition to the local yokels mentioned in my last Forum, WUST-1120 (Gospel and soul) and WPGC-1580 (T-40 rock) are guilty of excess modulation. Luckily, they are daytimers and are problems only in late afternoon and shortly after sunrise. The prize catch by my late brother in 1941 (KATO-1340) would now be KBET-1340 in Reno NV. While vacationing DU in the fall of 1976 (after seeing a total eclipse of the sun in Australia), I used a coconut palm tree as an aerial to pull in KOMA-1520 from Apia, Samoa (in early evening before sitting down at an "all-you-can-eat" buffet dinner which kept me at the table for 1 hour and 20 minutes with four platefuls of food due to a beach appetite). The transistor set was placed next to the tree bark and reception improved somewhat. Several other USA stations, mostly WC, were pulled in, such as KNEW-910, KSL-1160, WOAI-1200, KCA-1510, KYXI-1520, WFBK-1530, and KDAY-1580. The palm tree antenna was useful in Tahiti as well (before the eclipse). I tried for the states from Noumea, New Caledonia (after New Zealand and Australia), but no dice. I had mountain blockage to the NE and clear to SW, allowing the Aussies and Zedders to come in easily. After you've been DXing for a good while, you discover that nearly every channel has its pest coming in consistently (while you look for other stations) and can be counted on being heard. Sometimes when a pest fades out or is "auroraed" out, that frequency is wide open. I bet that the superpest PJB-800 (summer worshippers would be glad to chase bikinis and worship the sun in PJB country while the eastern and central USA shivers and cuts down on electricity to conserve coal) has been heard on all seven continents plus the islands of the South Pacific. When our local yokel WEAM-1390, with its overmodulation, was knocked off the air by a malfunctioning transmitter on 2/7, I went ape on that frequency. That not only cleared 1390, but 1380 and the CY 1400 as well. Dave Faulkner from MI must have really gone bananas when the big blizzard of 1/26 (barometer 955 mb., or 28.20 in., for an all-time low pressure) knocked his pest CKLW off the air. I bet CKLW overmodulates and at 50kw it must slop up the frequencies from 770-830. I wish some of those NSP stations had lengthy transmitter outages like WEAM and CKLW. The DXR and DXWV columns would really be flooded with catches on the affected and adjacent frequencies. 73.

Don Davis-107 Oakdale Drive-Warner Robins, GA 31093  
Firstly, Happy Anniversary IPCA! Long may he wave. I am in a particularly good mood today, having logged WFEA 1370 in New Hampshire this morning. This makes state #38 for me. I want to thank John L. Bowker (MRC) for his nice comments regarding my recent article, "Tape Interconnect, the Right Way". And as John pointed out, the wiper and high end on the schematic are shown reversed from what they should be. I really don't know what I was thinking of when I drew it that way. Also, I would like to comment on Albert's, "Tape Interconnect, the Easy Way". Yes, this is the easier way; however, like with any other 'easy' way, there are drawbacks. #1- Assuming your receiver does have a tape jack, by trying to play your tape back through the receiver without disconnecting the detector from the receiver audio, you will have not only the tape audio, but that from the receiver front end! #2- Assuming you don't have a tape jack already on your receiver, you need to modify it anyway, so why not use the receiver to house the switch? #3- Albert shows two receiver lines connected in parallel. This negates the purpose of having two discrete receivers, as the audio from one is fed to the other and vice versa. Even if the volume on one receiver is turned down, the impedance of that circuit will objectionably alter the audio response of the other. Having two radios is great, but knowing what to do with the audio from them is the most important part. #4- If you are using Albert's arrangement, I would suggest using a well grounded aluminum mini-box, rather than a Takelite box. Hum pick-up and feedback may be a problem in an unshielded box, especially with the higher impedances of tube type radios. #5- A DPDT switch is not needed, nor is it desirable. All of the ground sides of all phono jacks should be connected to each other, and then to ground in accordance with good design criteria for shields. Then, a SPDT should be used, and only switching the "high" sides. One last word of warning. Do not attempt any modifications on a "hot" or "transformerless" AC-DC type radio, unless you know damn well what you're doing. Most transistor sets are safe, as are most expensive receivers and tape decks. If in doubt, ask a TV shop or someone who does know. 110v house current is lethal! "73s". P.S. I'm glad to see so many technical articles. Let's keep it up.

Paul R. Mount-507B Carman Hall-Columbia University-  
New York, NY 10027

Welcome to Phillip Alotta of Lodi, two towns over, and to Raymond Sahlback of West Palm Beach. A former DXR editor should be contacting you soon. I haven't been DXing lately, but some "radio activity" spent an afternoon in January rebuilding WKCR-AM to get it operable for this semester. On February 4, while returning from the U of P/Columbia game, I was looking at DXM, a friend came over and asked what I was reading. I took a chance and said, "It's a listing of what radio stations some people have been hearing on the west coast." He knew what I meant and proceeded to tell me of DXing from Durham NC. So it's good to know there's at least a casual AM DXer here. I've been doing the Tuesday evening news summary on WKCR (89.9 FM) and a "Spotlight On" show on the AM, WKCR 590. In the stacks of the school of library service I found 8 copies of Broadcasting Yearbook, from 1944, 1945, 1946, 1948, 1949, 1950, 1953 (and a separate 1953 TV book) and 1961-2. Any information you want from these? Also, I found information packets from the networks and inside were items such as WIPW-580 coverage maps. I'll have to go back and investigate further. Keep those tapes and letters coming folks, especially those addressed to "DXer Supreme", hi. 73

Brian P. Sherwood-221 Lurch Ave.-Elmhurst, IL 60126  
Greetings to all. Conditions here have been weird, with Afr of 28 on 2-28, 3-1, 2-27, and Afr of 22 on 2-26 and 3-2. Caught some nice stuff with the aurora. Best was WKIT-1540 in KYEL's SP. CE said, "For any of you out there who are DX buffs, the # is..." I called him collect (Yes! He said on the air he'd take collect calls) and he was surprised. He said he'd verie if I'd call his YL in nearby Arlington Heights. She was mildly surprised (read SHOCKED!) to know I could hear WKIT all the way out here. This will be a regular test, see EX Calendar. Veries: v/l WWJ, WVCC, WCPC. V/q WOWO on a f/up. Nice conditions during the aurora, not a band killer like 1/4. A big thanks to Karl Forth for his CTC 2/20. (I really

enjoyed it, Karl)(You must have, Brian...anyone who can DX during Monty Python must love the hobby, hi-jz) I guess LSS is upon me, so 73, good DX to all, and apologies to " " for coming on a bit strong last Forum. It's still wrong to do that, tho. 73's to all. Scott Mentzer-Route #3-Tylertown, MS 39667

Once again, greetings from "The Big T" (like in "Tone" and "Test", hi). First off, my congratulations and very best wishes to our club on its fourteenth anniversary. Having been a member for the past six years has really been a great experience, in far more ways than those confined exclusively to my interest in DX. Looking back on it, I find that the one thing I hold as being most treasured through my association with IRCA is the number of close acquaintances I have made through the club. Even though I've only actually met one other member (Ayers from Jackson), and actively correspond with only a handful of others (Steiner in CA and Murphy in KY, for example), I feel that I've made lasting friendships with such "good buddies" as the Hardys, D.D., Rth, MHP, PAL, "Stan", rce, and jz, just to mention a very few. Through your contributions to DXM, I feel that I know y'all almost as well as though each of you have spent a frustrating night with me trying to pull in a 250 watt TTer from Skunk Run, Arkansas, through the mess created by "Uncle Roy and the boys" TTs. Speaking of "Uncle Roy", he's no longer at WTYL; it seems that he and the owner got into some kind of hassle over, possibly, a change in format, which left the 'ol loy now selling furniture in a local store and the station in the capable hands of those "young dudes" - all of whom I know pretty well. (A DX Special from "T-Town" next season? Don't make book on it, but I'll sure try.). Also, special thanks to Doug Everitt, who sent me a card identifying my classical music outfit on 1060 as being XEEP in Mexico City (Curses, another "grizzly"; they're everywhere, hi). Surely, K.J., you must know of that infamous Mexican Grizzly Bear - a huge, mean critter declared extinct by the Mexican government in 1967. Fear not, there are "zillions" of them alive, well, and lurking nightly between 540 and 1600 Khz - gorging themselves on their favorite dish - weak, defenseless TTers, hi. Finally, I've recently noticed several articles in the Monitor on Beverage antennae (right, all you Latin scholars? hi). Sure, it would be great logging Kabul, Afghanistan - 10 watts on 999.9 khz - with the help of one of those things, but doesn't it take some of the fun out of the whole deal; sort of like possum-hunting with a Bland 300 elephant gun. I reckon that you can consider this question from any number of sides; as I sit here now, all kinds of arguments, pro and con, keep chasing each other through my mind. All I know is that for a long time the question has been bothering me as to which type of DX is the most satisfying; the "fartherest with the leastest", or the "fartherest with the bestest"? I don't really know the answer to that one. Anyhoo, 73 and the best of DX (Beverage or not) de SAM.

Roger Morby-Ushers Rd.-Ballston Lake, NY 12019  
HI everybody. It's been a long time since I've sent in a muse (a what? hi-jz), so this is to let everybody know I'm still alive. I recently acquired an HQ-100c along with some other ham equipment. I paid somewhere in the neighborhood of \$75 for it. Does anyone know how to date one of these receivers? It's in good shape, a few minor problems. One problem is a bad S meter, but overall, in good shape. I passed my general test in Saratoga and am semi-active here on cw. If you need Saratoga County let me know. DX has continued to be good, sending totals to 750/38/8/19. Taped total has passed 300 stations. I'd like to take this opportunity to thank Paul Mount for some very specific info on beacon stations. Regarding call changes: I personally count both call and frequency changes, but not facility changes. If you'd like a list of the various reasons, drop me a line. I feel there is actually no totally right or wrong way, each side has its merits and demerits. 73's till next time, probably about 1983, hi. 73 de RAM.

Rob Lazar-406 Off West-Madison, WI 53706  
I haven't been too active as far as DX goes lately since most of my DXing is done during breaks from school. I did notice that WBAP-820 was off on both SM 2/18 and 2/25 after 0200, perhaps a new silent period. On 2/18 I was home in Port Washington and I heard HJED-820 and TIOS-825 fairly well with WBAP

off. Sunday morning silent periods seem to be becoming more popular recently, especially with Q&T stations. Among the stations that come to mind which have SM SPs are WMT, WHO, WTSO, WHAM, WRVA, and WFH. I had a most enjoyable Christmas break from school, which included a lot of time spent DXing. My three best catches were CBT-540, WDR-1586 for my first TA, and LG10-1030 for my first DSA. I'm now using one of Gilfer's modified FRC-7s. I've been quite pleased with it, but it should be pointed out that good conditions are needed to hear splits on it. I've found the discussion regarding the counting of call and frequency changes very interesting. I don't feel that this matter is a controversy, but rather a relevant discussion of an interesting DX related topic. Personally, I have been counting call and frequency changes as new stations because I had been under the impression (apparently false) that most DXers did. I must say that I've found the arguments against counting changes rather convincing and I'm rather unsure of my position, so I won't comment any further. Most likely I'll continue to count call and frequency changes since I don't want to take the time to change my logs. There is a great deal of DX enjoyment and skill involved in hearing stations that have changed calls and frequency. Speaking of call letter changes, I recently verified WBCS (ex-WRIT). They verified with a WRIT v/q from the 1966 IRCA convention. The WRIT calls were crossed out and WBCS was written in. 73.

**western!  
dx forum!**

Rick Heald  
1581 - 20th Avenue  
San Francisco, CA 94122  
Ph: (415) MONTROSE 5-4201

ALBERT S LOBEL-10514 CAMINITO BAYWOOD-SAN DIEGO, CA. 92126  
+++++  
Greetings to all IRCANs. Hope all is well w/y'all. (No, I'm not from Texas!) and DX is great. (No, but you are from southern CA, hi-Rth). It's been good here. The new longwire is up and in use. Actually, it isn't working at full potential yet; I have it slightly modified to go into another room and it could work better. Will let you in on the results by my contributions to WDXR. Well, it just goes to show that you Easterners are not the only ones to have power outages. What about the one we had in SoCal recently! Maybe it wasn't as long in duration, but none-the-less, it was a power failure on a large scale. It was contributed to an error by a San Diego Gas & Electric employee forgetting to remove a safety ground before restarting a generator. The outage effected most of San Diego County as well as parts of Orange County. Some 450,000 people were effected by the outage. My area of San Diego was not effected. Unfortunately, only KSDO 1130 was off due to the power failure. All other San Diego stations switched immediately to auxiliary generators and were on within seconds with full power. Of course, none of the Tijuana stations were even off for one second! The power failure didn't affect Tijuana. For you TV DXers, KFMB-TV 8 and KGTV-10 were off for about 4 1/2 hrs, KPBS-TV 15 off for 5 hrs, and KGST-TV 36 for 1/2 hr. And for those of you who either didn't hear about the outage or read about it in your local paper, the date was 08 Mar 78 about 1500 PLT. Well, 73 and good DX to all! PADRES IN '78!

GARY LARSON-2806 LINCOLN-BURBANK, CA. 91504  
+++++  
This MM (03/13) I noted some locals off - KRIA, KPOL, KROQ (been off and on the past several days) & noticed an OC on 1230, no doubt KKT. Also an OC on 710 (KMPC) 740 (KCBS) and some fading on 740; KBRT, I think. On 740 u/KBRT/KCBS, I hrd audio, possibly KTRH. KBX 1070 was also off, making XEPRS sound very loud & distorted. Thought I heard an OC on 1170, but no ID. KALI 1430 seems to go off on many mornings lately. They even listed their XR in the latest phone directory for my area. Heard KARM on 1430 for a while. Seems KDAY 1580 was off too. Heard SS on 1580, maybe XEDM. Not overly impressed with KKAP 1540 format-wise. I only heard 3 hrs by tape, but if they were live w/DJs, I think it would be better for listeners. Is it Carmichael, CA that is assigned 710? (Yes, reassigned from Tracy-Rth). Noticed calls KFNB & KWBZ in phone book for the Hemet area. Mort Meehan, any guesses to these? (Most likely, tie-line to LA, many all news stns have bureaus and phone nos. in outlying areas-Rth). Have been working a second job delivering local phone directories, making an average of \$12-14 per route. For those interested, KALIs XR is at: 6544 N. Vista, San Gabriel, CA. Ph: (213) 286-8159 or 283-5629. 73.

BILL HARMS-1120 ELM AVENUE-PROVO, UT. 84601  
 + + + + +  
 Hi again. This last week I changed my listening habits just a little and I started to DX SRS. As a result, I logged 10 new stations. On to something else. I have come up w/a theory about why I pick up more CA and AZ stns than anywhere else. My QTH is located at the base of some mtns that go up about 6000' to the E. I theorize that these mtns effectively block out a lot of the skywave from the E. I have no way to prove it, but it seems logical. Maybe San Jose gives RW the difference in cx between there and S.F. Is it possible, Rth? (Yes, see my Forum-Rth). I just received a v/l from KES Daegu for their SW transmission. The AE told me that they don't have QSL cards, but all stns except Pusan verify thru the Seoul stations. The only reason he answered my letter was because I knew him personally. KBSs varies are very good looking. I rec'd several from KES Pusan by visiting their studios. They are all friendly and very willing to send veries for correct reports and return postage. My friendly landlord likes to turn on his TV when cx are good and when he doesn't touch it, the cx are cruddy. If this place wasn't such a good place to live.....Bye for now, 73 and good DX de WJH.

RICK HEALD-1581 20th AVE-SAN FRANCISCO, CA. 94122 Tele-Forum: (415) Montrose 5-4201 to 2200 PLT prepaid  
 + + + + +  
 Hi troops! Looks like WDXF has the post-Anniversary blues, but I want to thank you all for a fine show for the Anniversary edition. WJH - At the '70 NRC Convention, Gordon Nelson gave a great talk re the subject of terrain effecting skywave. I remember him talking about the Palisades along the Hudson and whether or not local NYC stns would be weaker from the road at the bottom of the Palisades than at the top. Later, at the MM (Labour Day) DX'pedition up at Ringworm....er...Ringwood Park, we sort of theorized that a much higher terrain (small hills to the E) were indeed affecting signals from the E, as not one TA, and very little else from the E was heard. San Jose sits in a bowl, and those Santa Cruz Mtns are probably doing a number on signals coming in from the W and SW. I know darn well that the 270mtr (900') high Twin Peaks, Mt. Sutro and Mt. Davidson soften groundwaves from our locals. I can wipe out local KEST 1450 (well, almost), and do pick up stuff o/KRE 1400, and get a null on KYA & KSFO, all (except KRE) have XRs on other side of town. Speaking of DX, I've done some, and heard something too, hi. My newest catch isn't a juicy TP or DU, nor some rare Class IV from back E, but I really consider this one a big score; KDKO 1510 Littleton, CO! Again at the dials on SH, 3/19 this time much later, like 4.50am PLT, trying again for something to the E, and got a perfect, "Million Dollar Disco, KDKO", then later the complete ID at top of hour. Earlier, noted semi-local pest KSTN 1420 off, w/stn giving a MST time check then an ABC nw prgm, turned the loop, KUJ all alone, and haven't hrd them in years, and years, and YEARS, hi. Had an offer for a KUJ T-shirt, a \$6 check is off in the mail, hi. Now then, has something happened to CHUBS 1570 very tight pattern? All of a sudden they're like a local, getting them on everything in the house (except my fillings), and totally un-nullable. Like the good ole days again. Who would be in SS on 1350 around 0514 PST, Albuquerque?? Wx here has truly been weird. Up to 80 degrees F for 2 days running last week, then turned cooler, but very muggy (and that's unusual on the WC) except when we have our winter wx in July and August, hi. Gotta run, almost to our bi-weekly editions, watch for new deadline dates, and keep those cards and letters coming, friends and neighbours, and support your local C&W stations. 73 de Rth..

DON KASKEY-386 GEARY ST., SAN FRANCISCO, CA 94102  
 + + + + +  
 Not too much to report this week as I haven't done any DXing for weeks. Rth tells me he heard KDKO so I'll have to look for them some Sunday morning. Did try for KPAR last MM 3/20 about 0330 but didn't find them u/KEK. Just some r/r which was probably KEZY. Made a quick check across the dial once with nothing exciting noted. KCBC in nicely but would prefer CKKO. Hope we get some nominations for TVA this year from the members. Can think of several members who merit the award; e.g Rich Segalas for his untiring work for IRCA at HQ, all the club editors for their extra fine performances this year, Mark Connelly, Don Davis, Scott Mentzer, Robert Wien and many others. Would be nice if Rth continues his spurt of DXing of late and makes it a habit. Would give me some competition here in the city. Those DXers in the outer Bay Area like Peterson & Wien are tough cookies to keep up with. This DX season has been fun, at least the part of putting the DX MONITOR together and getting it to you, but we are all rather glad the weekly issues are ending as the process is very time consuming & we could all use a little spare time. Let's keep up the good support this spring. dkk...

IRCA SPORTS NETWORKS  
 Editor: Bill Hardy - 2301 Pacific Ave. -  
 Aberdeen, WA, 98520

NBA BASKETBALL UPDATE (amends list on pp. 374-375 of 3/4/78 DXM)

Flagship station addition:  
 Philadelphia 76ers . . . . WPEN--950  
 (thanks, Steve Apel!)

Further info on New Jersey Nets (again thanks to Steve Apel): Announcers are John Sterling (play-by-play) and Mike DiThomaso (color commentary). WMCA-570 and WGBB-1240 each sell their own time, so there are no network sponsors.

HOCKEY LIST UPDATE (amends lists on p. 284 of 1/28/78 DXM & pp. 375-376 of 3/4/78 DXM)

NHL New York Islanders - add to lineup:  
 WGLI-1290 (1kw nights), Babylon, NY  
 Montreal Canadiens - it is possible that the entire CBC French network might air the Canadiens games in FF. Any further info on this from anyone?

American Hockey League: Add Binghamton (NY) Dusters on WBNF-1290 (5kw fulltime). All of this hockey info was courtesy of Steve Apel.

MAJOR-LEAGUE BASEBALL PREVIEW

I still need info from 16 major-league teams, but so far, I have the following partial listing of flagship stations, courtesy of the following IRCA and NRC members: Steve Apel, Herb Heller, Jim Hopkins, Joe Fela, Albert Lobel, Ken Onyschuk, Jon Orren, Eddie Ryan, and Dan Sys. Thanks to them.

AMERICAN LEAGUE:

Baltimore Orioles . . . . WBAL-1090  
 (also on network:) . . . WTOP-1500  
 Detroit Tigers . . . . . WJR---760  
 New York Yankees . . . . . WINS-1010  
 Seattle Mariners . . . . . KVI---570  
 Toronto Blue Jays . . . . . CKFH-1430 in English  
 (anyone in French??)

NATIONAL LEAGUE:

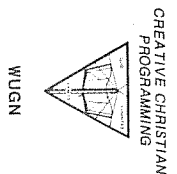
Chicago Cubs . . . . . WGN---720  
 New York Mets . . . . . WMCA--570  
 Philadelphia Phillies . . . . . KYW--1060  
 Pittsburgh Pirates . . . . . KDKA-1020  
 San Diego Padres . . . . . KOGO--600 in English  
 XEXX-1420 in Spanish

This reflects all the info received here as of 3/10/78. The only changes so far from 1977 are the two New York City teams; last year, the Yankees were on WMCA and the Mets were on WNEW-1130. Steve Apel indicates that the Mets were unhappy with WNEW because the station did not broadcast weekday afternoon games, and also ran NFL football (the Giants) instead of baseball in August and September when there was a schedule conflict. WMCA will carry all the Mets games.

If you have info on any of the baseball teams not listed above, or can get it, I'd appreciate it promptly! Address: Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520. Thank you.

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**WTWB**

ANARC ALMANAC -- Happenings in the Association of  
North American Radio Clubs -- Father Jack Pejza

ANARC Executive Secretary- Dave Browne, 557 N. Madison  
Ave., Pasadena, CA 91101. IRCA Representatives: Bruce  
Portzter, John Zondlo, Father Jack Pejza.

Pax Manufacturing Corporation, 100 E. Montauk Highway,  
Lindenhurst, N.Y. 11757, has purchased the remaining  
assets of Hammarlund. They will manufacture HQ180, SP600  
and R390 series, although they are uncertain if they will  
continue to manufacture other Hammarlund lines. They will  
supply parts for all of the former equipment.

Todd Graves, SWL Guide, 414 Newcastle Road, Syracuse,  
NY 13219, has the Slinky Dipole for SW, the Ameca Pre-  
Amp, models PLF-2 and PT-2 for AM and singleside band.  
Send a SASE for details and price lists.

Ralph Sanserino, Ham Radio Outlet, 2620 West La Palma,  
Anaheim, CA 92801 has a wide stock of DX receivers, equip-  
ment, and accessories. Send a SASE for prices, etc.

Gilfer Associates, Inc., P.O. Box 239, Park Ridge, N.J.  
07656 is now offering pre-production prices on their  
new GAR-7 direct readout counter for Yaesu FRG-7, Drake  
SSR-1, or Barlow Wadley.

DX Get-To-Gethers.  
SCADS (Southern California DXers) meet from 10 AM to  
5 PM at Valley View School Auditorium, 5261 Sisson Dr.,  
Huntington Beach, CA.

Association of Illinois DXers meet at 7:30 PM on Feb. 17  
at Schaumburg Public Library.

Chicago Area DXers (CADX) meets at Karl Porth's home,  
Feb. 18-19, 630 S. Ardmore, Villa Park, IL.

ASWLC meets on March 4 and April 1 at 11 AM at 16182  
Ballad Lane, Huntington Beach, CA 92649.

#### New Clubs

Dixieland DX Club is looking for Southern DXers for a  
proposed southern regional club. Send a SASE to Chris  
Baskind, 603 Enger Drive, Pascagoula, MS 39567 for  
info.

Parlez-vous francaise? If your answer is "oui", write  
to Andre Pineault, Le Club Des DXers Quebecois, 1445  
Rue Racine, Ancienne-Lorette, Quebec G2E 3P4, Canada.  
Open to French speaking DXers all over the world.

DXers are invited to write to Worldradio N6WR, P.O.  
Box 160568, Sacramento, CA for a free sample copy of  
"World Radio" bulletin.

International Travel News has an interesting SW column  
by Associate Editor Charles Signer. If you'd like a free  
copy of this monthly travel newspaper, write to Interna-  
tional Travel News, 2120 28th St., Sacramento, CA 95818 and  
indicate you heard of this from ANARC.

Great Lakes DX Association went out of business in December  
1977. This was not an ANARC club.

European DX Council will hold its 12th Conference May 12-15  
at Molndal (near Goteborg), Sweden. For information, write  
EDXC Conference 1978, Radio Club Tellus, Box 220, S-431 23,  
Molndal, Sweden, and send 3 IRCs.

The 1978 Communications World is now on the news-stands. The  
cost is \$1.50 per issue.

List of ANARC Clubs, addresses, and data is available for a  
SASE from ANARC. (Address at beginning of column).

Review of International Broadcasting is now \$9 per year in  
U.S. Sample copies are 75¢ in U.S., \$1.35 or 7 IRCs elsewhere,  
payable to Glenn Hauser. Send to RIB, c/o Glenn Hauser,  
WUOT, University of Tennessee, 245 C&E Bldg., Knoxville, TN  
37916.

ANARC took in \$617.33 in income and spent \$903.63 this year.  
Club representatives have been asked to vote on an increase  
in ANARC Club dues and newsletter subscriptions. Also on  
the ballot were requests from Brooklyn DX Club, Long Wave  
Club of America, and Miami Valley DX Club to upgrade their  
status to full-member clubs.

ANARC ALMANAC-- Happenings in the Association of Radio Clubs  
of North America-- Father Jack Pejza

Executive Secretary: Dave Browne, 557 N. Madison Ave., Pasadena,  
CA 91101. IRCA representatives: Bruce Portzter, Father Jack Pejza.

The ANARC Newsletter will still be offered at the current price  
of \$2.50 until March 31, when the rate will go up to \$3.50.  
(Foreign subscriptions will go from \$4.00 to \$5.00.)

#### Summer Conventions.

European DX Council, May 12-15, Molndal, Goteborg, Sweden.  
Info and reservations from Radio Club Tellus, Box 220, S-431 23,  
Molndal, Sweden. Send 3 IRCs for reply.

ANARC, July 14-16, Montreal, Quebec, at the Maison du Radio  
Canada. Write to Ian McFarland, DX Digest/ African Service, Radio  
Canada International, P.O. Box 6000, Montreal, Quebec, H3C 3A8,  
Canada for information.

WTFVMDXC August 4-6, probably in Louisville, KY. Write WTFDA,  
P.O. Box 202, Whiting, IN 46394 for info.

IRCA August 11-13, Portland, OR. Write Frank Aden, Jr., 1535  
N.W. Ithaca Ave., Bend, OR 97701.

NRC September 1-3, Atlanta, GA. Contact Karl Jeter, 2816 Frontier  
Trail, N.E., Atlanta, GA 30341.

Women DXers are asked to send their names and addresses with  
their DX interests (SW, MW, LW, etc.) to Mrs. Grete Osmundsen,  
Grenavegen 7, N5500 Haugesund, Norway. She is making a worldwide  
survey of women DXers.

NRC Domestic Log, 5th edition, will appear in late April. Price  
will be \$6.50 as a pre-publication special. Orders must be post-  
marked by April 17 to qualify for the reduced rate. Send to NRC  
Publication Center, P.O. Box 401, Gales Ferry, CT 06335. Orders  
will be shipped within 4-6 weeks after April 17.

FM Atlas and Station Directory, 5th edition, is now available,  
in March. Order from FM Atlas, P.O. Box 24, Adolph, MN 55701.  
Price is \$3.95 book rate in U.S. and Canada; \$4.50 first class.  
Send only Postal Money Orders.

QSL Verification Techniques is a new 48 page booklet, written  
by Sam Barto, NASWA/NNRC QSL Editor, published by the New England  
DX Society. Price \$2.50, payable by postal money order in U.S.  
funds. Order from Sam Barto, 245 Cherry Ave., Apt. J-11, Water-  
town, CT 06795.

Sterling Hi-Fidelity Inc, 22-20 40th Ave., Long Island City, NY  
11101 are importers and sole agents in the U.S. for the new  
Nordmend Globetrotter 808, portable 11-band receiver, imported  
from West Germany. Normally this retails for \$599, but Sterling  
is offering a 20% discount to members of ANARC clubs. An illus-  
trated catalogue is available for the 808 if you write, c/o  
Robert E. Silver, Vice President.

Panasonic Co., One Panasonic Way, Secaucus, N.J. 07094 has a new  
catalogue on their Command Series receivers. Get one from your  
local Panasonic dealer.

Webster Radio, Inc., 2602 East Ashlan, Fresno, CA 93726 is offering  
a cash discount price to DXers on the Yaesu FRG-7. List price is  
now \$315; Webster offers the FRG for \$245 plus shipping costs.  
California residents add 6% sales tax. Out of state residents can  
call toll-free 1-800-344-2198. California residents use 1-209-  
224-5111.

Information for the NNRC Broadcast Band Section should now be  
sent to Matt Zahner, BCB Editor, 7224 Gough Street, Baltimore,  
MD 21224. Tom Sundstrom has retired from his NNRC BCB post after  
many years of dedicated service.

Any DXer who has given outstanding service to our hobby is eligible  
for nomination for the ANARC North American DXer of the Year or  
the ANARC International DXer of the Year. Nominations are made  
by ANARC member or associate clubs. Interested individuals are  
asked to send their choices to IRCA President Bruce Portzter.  
Club Representatives will be getting a nomination form in March.  
Delegates from ANARC clubs at the ANARC Convention will vote on  
the nominees.

**WSLV**

STATELINE BROADCASTING CO., INC.  
P.O. BOX 96  
ARDMORE, TENNESSEE 38449



Drawer "J"  
Plant City, Florida 33566  
813 752-3123



# DX Worldwide



BRUCE PORTZER,  
Editor  
All times GMT/UTC

6546 19th Avenue Northeast - Seattle, WA 98115 - 206-522-2521

## ATLANTIC DX ROUNDUP

- 719 PORTUGAL, Norte, just o/noise w/man & woman in PP 2305 3/8. (Connolly, MA)
- 737 SPAIN, Barcelona, poor w/SS talk 2343 3/8. (Connolly)
- 765 a SENEGAL, Dakar, has seemingly drifted high: equal pitch hets from WJR & WABC noted on TRF; fair-good strength carrier modulated very weakly w/AA-style moaning 2348 3/8. MWN (2/78) mentioned 765 as a new freq for Dakar. Maybe some of you w/PFM facilities can check this one to 10 Hz or better accuracy - the question is: is Dakar stable to within a few Hz of 765 (jumping the gun on the freq plan changes) or is it just drifting about? (Connolly, MA) (Good point. Dakar has been known to be a few hundred Hz off freq in the past. bp)
- 782 t PORTUGAL, Miramar, mx poor in noise 2349 3/8. (Connolly)
- 827 ? UNID, AA mx o/u rough SAH 2350 3/8. (Connolly, MA)
- 1466 MONACO, Monte Carlo, TWR, rls mx weak-fair w/very erratic flutter fading 2339 3/8. (Connolly, MA)

## PAN AMERICAN DX ROUNDUP

- 540 NICARAGUA, Managua, YNOW, atop w/SS talk, mostly about Nicaraguan affairs 0413 3/5. (Connolly, MA)
- 570 CUBA, Santa Clara, CMHI, in w/mess of others w/female SS vocal //600/640 0416 3/5. (Connolly, MA)
- 600 CUBA, San Germán, CMKV, clear & loud //570/640 0415 3/5. (Connolly, MA)
- 610 MEXICO, Guasave, Sin, XEGS, 0219 2/26 w/mention of "XEGS..." by man, then SS song. Back at 0226 w/ID, "XEGS, R. Alegría, en Guasave", then mx. (Bytheway)
- 630 CUBA, Santa Clara, CMHQ, totally dominant o/WPRO; SS jazz rock //640 0522 3/5. (Connolly, MA)
- 670 CUBA, San Pedro de Macocum, atop WMAQ w/jazz influenced group SS vocal //380 0440 3/5. (Connolly, MA)
- 660 MEXICO, México, D.F., XERP, using US mx but SS talk. Thought it was WNBC until IDed 10/17 0817. (Critchett)
- 660 ? UNID, 0947 2/26 in middle of long amnt man said Nicaragua a couple of times. YNAM most likely. (Bytheway, Clements, Korinek, Erickson, Meehan....)
- 670 GUATEMALA, Guatemala, TGRT, 3/3 SS OM w/Geoffrey Halder voice here 0050. Wedding march cut w/marimba marked 1859 L&C "R. Diallo" ID (has there been a wholesale slogan change in Guatemala?). Very good, WMAQ nature attenuated. (Thomas, FL)
- 675 ? UNID, Martin's mystery str possibly noted here 3/1 0112. Two tentative "Co-lor-AH"s but no useful info hrd. Rechecked for 0900 s/off but nil. Weak w/very deep fades. (Thomas, FL)
- 700 COLOMBIA, Cali, HJCY, o/other LA's, WLW mull'd: R. Sutstenza ID 0517 3/5. (Connolly, MA)
- 715 ECUADOR, Portoviejo, HCGH, 3/1 slow measured SS OM talk & freq TC's here 0415. "Stars & Stripes Forever" cut at 0151 & LV de Portoviejo ID 0156. Another ID 0203 as LV de ?? (not Portoviejo) so I'm confused. Very weak (frog wide open). (Thomas, FL)
- 720 VENEZUELA/CUBA, Forlamar/Colón, YVOE loud, peaking SE w/SS talk mentioning Margarita, then clear R. Vision Oriente ID atop CMGN (peaking SW) who had SS folk vocal mx, then talk 0419 3/5. (Connolly, MA)
- 725 SURINAM/COSTA RICA, Paramaribo/San José, SRS w/US soul song & TILX w/SS vocal sharing the channel. By proper orientation of the TRF either stn could be hrd alone. When hrd together a low growl resulted 0418 3/5. (Connolly, MA)
- 730 MEXICO, México, DF, XEX, good w/"La Corona" cerveza ad, then possible soccer game w/"Mexicano" team & player named "Weston", sig peaked up towards SW, fortunately the null for OKAG & another LA 0426 3/5. (Connolly, MA)
- 760 MEXICO, Culiacán, Sin., XENW, 2/26 0223 "Casa Roja" ad & ment of Culiacán & "N-W". (Clements, CA)
- 775 COSTA RICA, San José, TIW, good w/soft SS male vocal & R. Uno ID, then Jethro Tull song 0431 3/5. (Connolly)
- 780 CUBA, Camaguey, CMJM, obliterating WBBM; soul song by Marvin Gaye & Diana Ross, then SS talk w/mentions of Cuba & Camaguey 0427 3/5. (Connolly, MA)
- 790 MEXICO, La Paz, BC, XEHT, call letter ID & R. La Paz ID 0131 2/26. (Clements, CA)
- 800 NETH. ANTILLES, Bonaire, FJB, killing CKIM, SE dramatic presentation in well 0441 3/5. (Connolly, MA)
- 800 ? UNID, 2/28 someone here playing Beethoven's 9th Symphony 0215. Not XEPOK or CKIM. Very weak u/PJB. Haven't a clue. (Thomas, FL)
- 810 COLOMBIA, Bogotá, HJCY, SS talk by man o/u WGY fair-good 3/8 0130. (Townshend, DC)
- 820 COLOMBIA, Cali, HJRB, o/other SSers; Colombian mx 0512 3/5. (Connolly, MA)
- 825 COSTA RICA, San José, TIOS, fair w/IA MoP & "Titania" ID 0514 3/5. (Connolly, MA)
- 830 MEXICO, Culiacán, Sin., "La BQ" ID 0129 2/26. (Bytheway)
- 830 VENEZUELA, San Antonio de Los Altos, YVLT, in w/moonster sig, totally dominant: fast exciting IA vocal dance mx, R. Sensación ID, then festive IA group vocal w/electronic synthesizer accompaniment 0443 3/5. (Connolly, MA)
- 834 BELIZE, good w/disco-rock 0446 3/5. (Connolly, MA)
- 850 MEXICO, Zaragoza, Coah., XEGR, recorded amnt w/call, city & state mentioned, into babble by another guy, then several spots 0442 2/26. (Bytheway et al. CA)
- 850 COLOMBIA, Bogotá, HJEC, 3/6 very good & alone w/segued songs (same LA, BeeGees in SS). Numerous "Caracol en Colombia"s at 0900 but no "Eris. Nuevo Mundo". Puzzling is the "R. Television" ment at 0848. (Thomas) (They threw that in to confuse you...bp)
- 860 NICARAGUA, Managua, YMA7, 3/4, Cadena Continental noted here 0920 w/soporific IA mx. (Thomas, FL)
- 860 EOH. REP., Santo Domingo, HTLR, good-xlnt o/CJRC OC: Female soul style SS vocal, then R. Clarín jingle & man in SS 0535 3/5. (Connolly, MA)
- 880 CUBA, Pinar del Río, CMAF, noted w/SS vocal //670; CMAF mostly u/WCBS 0440 3/5. (Connolly, MA)
- 890 GUATEMALA, Guatemala, TGJ, R. Nuevo Mundo ID loud & clear 0430 2/26. (Bytheway, et al. CA)
- 890 COLOMBIA, Bogotá, HJCE, LV de Bogotá, loud & clear ID 0429 2/26. (Clements/Bytheway, et al. CA)
- 900 GUATEMALA, Puerto Barrios, TGMA, 3/6 non-stop marimba 0930-0945. Two possible "R. Amatique's 0948 & numerous ments of Puerto Barrios 0958. Peaking to good but slightly garbled. (Thomas, FL)
- 920 MEXICO, Hermosillo, Son., XEPH, loud & boistrous "BH" promo by man, then mx interlude, then YL w/"...La BH...", then spot 0331 2/26. (Bytheway, CA)
- 980 MEXICO, Navajoa, XEKE, a surprise w/"Kah Eh en ... Ranchera" mention o/KFWB, then spots & mx 0206 2/26. (Bytheway, Clements, etc. CA)
- 995 ECUADOR, Guayaquil, HCEW2, in fairly well w/romantic Latin mx & R. Suceso ID 0738 2/26. (Bytheway, CA)
- 1060 MEXICO, México, XEEP, 0626 2/26 in middle of long dissertation, man said "...XEEP, R. Educacion..." (Bytheway/Clements, etc. CA)
- 1080 MEXICO, Mexicali, XEDY, spot for clothing store in San Luis 2341 2/25, mention of Ecos Regionales pgm, sports 2349, PSA for social security 2407. (Bylments)
- 1080 ? UNID, SS talk by OM & LA mx u/WTIC 3/8 0137. (Townshend)
- 1110 ? UNID, XEQR-1030-type whistle 0117 2/26. (Clementway, CA)
- 1120 ? UNID, LA mx u/WMOX could be HICN or YVME. Hrd w/slight WFT slop 3/8 0105. Wiped out by KMOX 0126, hence unable to ID. (Townshend, DC)
- 1125 COSTA RICA, San José, TISRHB, MoR mx 0251 2/26, YL w/armt between songs 0254, R. Elias ID, then another song, 0302 short YL amnt, then record, man said "R. Elias" o/song 0303, 0305 time tones, YL gave TC & R. Elias ID. (Bytheway, CA)
- 1130 MEXICO, Nogales, XEHN, 0015 2/26 w/R. Rama ID between songs. (Bytheway/Clements, CA)
- 1197 t PANAMA, Chitré, Ondas Tropicales, possibly the one here 2/26 w/ lovely SS mx 0413, loud & highly charged SS speech for about 7 mins beginning 0414. Again 0513 w/bongo thumping mx, 0603 w/man talking ambitiously, faded under the mud, then resurfaced 0606 w/singing MA, 0610 off. (Bytheway/Clements, et al. CA)
- 1200 COLOMBIA, Riohacha, HJZW, 2/28 0003 mx or speech, then "R. Admirante" (sic) ID & Colombia ment. Quickly replaced by YVOZ. Poor-fair before WCAI a problem. (Thomas, FL)
- 1200 VENEZUELA, Caracas, YVOZ, 2/28 fair-good w/lively IA mx 0010, "Radiotienpo" ID's. (Thomas, FL)
- 1220 MEXICO, México, XEB, "La B Grande de México" ID w/TC & Carta Blanca spot, then song 0452 2/26. (Bythements)
- 1339 ? UNID, LA suspected (Cuba?) as source of ripping het & garbled audio pestering 1340 domestics 0506 3/5. (Connolly, MA)
- 1340 MEXICO, Mexicali, BC, XEAA, many "R. doble A" SID's 0033 2/26. (Bytheway, Clements, et al. CA)
- 1349 MEXICO, San Luis Rio Colorado, XELBL, R. Centro ID 0028 2/26 between lively songs, "Johnny Has a Boyer Girl Friend" whistled 0028 & more R. Centro IDs. (Bytheway/Clements, CA) (May have been Tomers 1350 unid a couple issues ago. bp)
- 1350 MEXICO, Torreón, XETB, R. Laguna ID by man 0409 2/25. (Bytheway, CA)
- 1370 ? UNID, R. Variedades ID between songs 0313 2/26. (pb)

1410 MEXICO, Los Mochis, XFCF, definite R. Impacto ID  
 0456 2/26, 9:56 TC between 2 SS rock oldies. (Phil)  
 1420 MEXICO, Matamoros, Tams., XFEW, xlt w/call ID &  
 Ranchera mx, faded quickly 0927 2/26. (Clements, CA)  
 1600 MEXICO, Los Mochis, XEZA, "Musica Favorita...XEZ..."  
 mention 0428 2/26, "La Grande Z" ID 0430; had light  
 SS rock mx. (Bytheway, Clements, et al, CA)  
 1613 GUATEMALA, Rabinal, "RAE" good 0857 2/26 w/call letters  
 in Morse code on & on & on & on & on & on. (Phil)  
 1635 COLOMBIA, Orito, "ORI" code identifier repeated over  
 & over again 0859 2/26, fairly loud. (Bytheway, CA)

CONTRIBUTORS

Phil Bytheway, John Clements, Don Erickson, Dave Korinek, Mort  
 Meehan, et al. FRG-7 w/mech filter array, SPR-4, 4500' Beverage  
 located near 29 Palms, CA.  
 Mark Connelly, 7 Trowbridge Path, W. Yarmouth, MA 02673  
 Realistic TRF  
 Jim Critchett, 1635 Walbridge St., Red Bluff, CA 96080  
 Gerry Thomas, 2355 W. Michigan Ave #460, Pensacola, FL 32506  
 FRG-7, loop  
 Bill Townshend, 4500 Conn Ave NW, #901, Washington, DC 20008  
 DX-160

PACIFIC DX ROUNDUP

840 ? UNID, KK or JJ talk 1255 2/26, NHK-type pips on top  
 of hour, either Korea or Japan. (Clements/Korinek)

DOMESTIC "OH @#%&'()\*" ROUNDUP

1540 AZ, Phoenix, KASA, in SS w/rigs perm 0048, frequent  
 Eleeps between anmts. EE ID 0053. (Bytheway, CA)

CONDITIONS

-- "3/6 was dead. No TF, Indonesia, DU, or Latins!" (Peterson)  
 -- "DX has been nil ... I tried last MM (2/27 but very poor  
 here, & local powerline noise over SB." (Merriman)  
 -- "Not much happening on the foreign scene here...having more  
 luck w/domestics recently." (Hall-Patch)  
 -- "Cx below 1000 a total 'dog'. Few TA's. Domestic skip  
 weakened & the LAs were even poor. TV QRM & powerline noise  
 seemed worse than usual against this backdrop of weakened  
 skip signals. After midnight EST short skip picked up.  
 This pattern was noted on several previous nights. Latter  
 nights (2-3 Mar) seemed to be gravitating towards more nor-  
 mal cx for domestics. TA's still below par. It seemed that  
 the recent bout of weak signal nights were of the sort that  
 could provide good international DX for operators of coastal  
 Beverage setups but not for the average city-dwelling DXers  
 w/longwires or simple loops. ... The first 9 days of March  
 were poor for TA's at LSS. Only a few of the pwrhouses were  
 in & these were at below normal levels w/erratic fading.  
 Domestic skip was enfeebled on the low end; strong short  
 skip prevailed high-band. LA's were good, especially later  
 in the evening. After 0400 low end domestics "recovered"  
 on most nights." (Connelly)  
 -- Well, it looks like the comments are virtually unanimous, hi.

78 WRTH

The 1978 WRTH is finally out. For the most part, it's the same  
 old WRTH it's always been. A quick glance through it reveals  
 no major surprises and about the usual level of accuracy. I was  
 very disappointed at the lack of information on the new 9 kHz  
 frequency assignments. In fact, the only reference I've found  
 to them at all was under Australia, where "future plans" for  
 privately owned stns include "9 kHz frequency spacing to be in-  
 troduced in 1978." That's all that was said.... The "Listen  
 to the World" section has what appear to be interesting articles  
 on antennas & counters, plus reviews of several rxes (the FRG-7  
 review is grossly incorrect in saying that it is "insensitive"  
 on medium wave). On the positive side, the WRTH is printed on  
 better paper than last year and FM stns are now included for some  
 LA countries.

MISCELLANEOUS

Gerry Thomas comments "I wish there were a tape available that  
 gave aural examples of the different types of LA mx because  
 I'm getting tired of using my emotional reactions as descriptions  
 instead of their proper labels. On the other hand, if only a  
 few people are cognizant of the proper terms, what's the point  
 in describing them correctly." I've gone through that same  
 thought train many times myself, Gerry, with basically the same  
 conclusion.....

Phil Bytheway says that, in addition to the stns listed in the  
 Pan Am section, the following were also hrd on the Beverage:  
 (a-audio hrd, otherwise just a carrier) 735, 775, 725a, 655a,  
 825a, 85h, 875, 885, 975, 1045a, 1055a, 1075, 1155a, 1175a  
 1197a, 1365a, 1505a, 1515.

Each year the IRCA Board of Directors presents  
 the Ted Vasilopoulos Award to the club member the  
 membership believes has done the most in the past  
 year to promote IRCA and improve the hobby of CB  
 TVing. The award consists of an inscribed plaque  
 and a year's free membership. In case of a tie,  
 duplicate awards are presented. No IRCA member is  
 eligible to win the TVA more than once over a five  
 year period. Past winners of the TVA are:

- 1973 Percy Kesteven
- 1974 Bruce Portzer
- 1975 Grant Manning
- 1976 Phil Bytheway
- 1977 John Zondlo

The last three TVA winners make up the nominating  
 committee for this year's award. The committee, after  
 soliciting nominations from the membership, will  
 submit a minimum of three names to the general  
 membership to be voted on. A space on the ballot  
 will also be provided for write-in candidates. The  
 committee will submit a brief statement for each of  
 the nominees indicating why they believe each deserves  
 to be recognized by the club through the TVA.

The committee now asks for your nominations for  
 this year's TVA. Please submit the name of the person  
 you are nominating and a brief statement on why you  
 believe that person should receive the TVA. Send  
 your nominations to committee chairman John Zondlo  
 (6617 Maryland, Hammond, IN 46323). Deadline for  
 nominations is May 1. From the names submitted, the  
 committee will select a slate of nominees to be  
 presented to the membership in June for a vote. The  
 winner of the TVA will be announced at the club's  
 convention banquet August 12th in Portland. Be  
 sure to send in your nominations now!

Heritage (San Diego Jewish Press): 17 FEB 78  
 Submitted by: Albert S. Lobel, San Diego CA



EARLY DAYS OF RADIO — A young Israeli operates the first Israeli  
 army radio station in this photo taken from Ilan Seidner's history of the  
 Army Radio Network, "Galei Zahal." The army network, along with Kol  
 Israel and the Voice of America, is one of the most popular in Israel.

# LONG-DISTANCE RECEIVING MEASUREMENTS OF BROADCAST WAVES ACROSS THE PACIFIC.

By Shogo NAMBA and Daiichi HIRAGA.

Electrotechnical Laboratory, Ministry of Communications, Tokyo.  
(Received December 17, 1931.)

**Summary.**—The present paper describes the results of field intensity measurements conducted in Japan with broadcasting stations on the Pacific Coast, particularly with those of the United States. It is stated that KNX has been most strongly heard. Intensity curves showing severe long fading and seasonal variation of average intensity are presented. Some discussions are given of the correlation of the intensity with solar activity and of the transmission characteristic being deteriorated during the last few years.

## Introduction.

It has been vaguely known that the broadcast waves in a frequency band of from 3000 kc to 600 kc, are the worst ones in adaptability to the long-distance communication. Yet the actual propagation data of these medium waves are very little known. Pickard's<sup>1)</sup> observations on WBBM made at Boston may probably be only the reports available. On the other hand, as the band in wave spectrum stands between low and high frequency waves, experimental knowledge of these medium waves is considered to be of extreme importance in the researches of wave propagation.

From this point of view, the receiving measurements of various broadcasting stations at home and abroad have been conducted at this laboratory since the autumn of 1929 and some principal results thus obtained for the long-distance propagation are briefly given.

## Measuring Apparatus.

The receiving equipment is composed of a vertical aerial of 60 meters in height, a superheterodyne receiver, a local oscillator for calibration and an attenuator. The main parts of the equipment are as shown in Fig. 1.

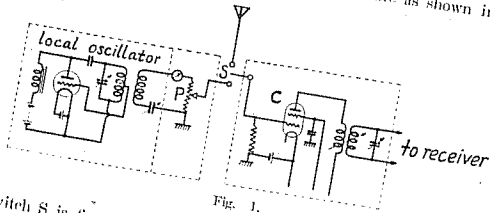


Fig. 1.

The switch S is first connected to the aerial side and the anode current of the second detector is read, and then S is turned to the local oscillator side and the attenuator P is adjusted so that the output of the local oscillator may give an equal magnitude of the detector current as in the previous case. The field strength of incoming waves may thus be measured in  $\mu\text{V/m}$ . The attenuator is of the resistance-wire ladder type, in which BS #40 manganin wire is used. The current flowing into the attenuator is measured by a thermo-junction and a galvanometer, the total e. m. f. impressed between the grid and the filament of the coupler C of the receiver being thus known. The lowest field strength measurable with the equipment is about  $1\mu\text{V/m}$ .

## Results of Measurements.

Long-distance receiving measurements have been conducted on various foreign broadcasting stations, especially on those of the United States, Australia and New Zealand. Among them the following three American stations were observed every day at the time between 1500 and 1800, J. C. S. T.

Station	Frequency	Power	Meters-per-
KNX	1050 kc	4000 W	1050
KGO	790	3320	794
KEX	1180	5000	980

(Figures in the table have been reported by the respective station director.)

Though good reception is expected from these medium wave stations in America when night covers the entire path between transmitter and receiver, it is regrettable that the broadcast program comes usually at an end at the beginning of the time of good reception here due to the difference of local times. Most of American stations on the Pacific Coast shut down their transmitters at about 1800, J. C. S. T. (0100, P. S. T.).

Practically, the procedure of the field-strength measurement as described above is somewhat troublesome owing to the small receiving energy of incoming waves accompanied by severe fading and atmospherics; therefore, we have usually adopted a simple recording scale as explained below:—

- R1.....Very weak; arrival of the wave is just recognizable as a beat when the wave is caught.
- R2.....Broadcast may be just distinguished from noise.
- R3.....Broadcast program may be recognized.
- R4.....Broadcast and noise are approximately on an equal level.

- R5.....Broadcast is a little stronger than noise.
- R6.....Broadcast is moderately strong.
- R7.....Broadcast is strong enough to be almost free by noise.
- R8.....Broadcast is sufficiently strong and entirely

The field intensity of the American stations observed was an order of  $1-10\mu\text{V/m}$  (R 2-6) and on days of good reception the highest level of about  $20-25\mu\text{V/m}$  (R 8). In Figs. 2 and examples of the observations made on KNX, receptions under bad conditions being respectively shown. Fading was, as seen of a long duration and so severe in nature that, when one intensity faded out, the broadcast could not entirely be heard a few minutes; then the field intensity recovered its original high again the broadcast was able to be heard, this enjoyable state lasts a few minutes. The trouble caused by fading was, however, rare a day when reception was very good.

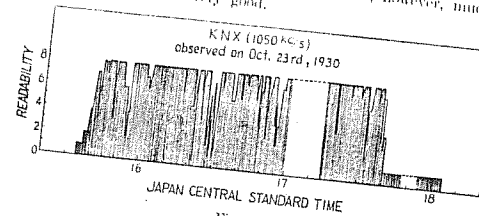


Fig. 2.

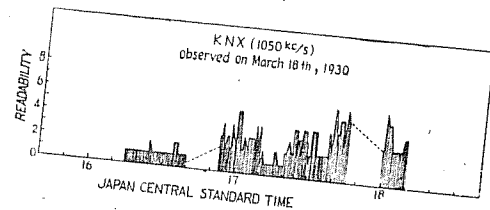


Fig. 3.

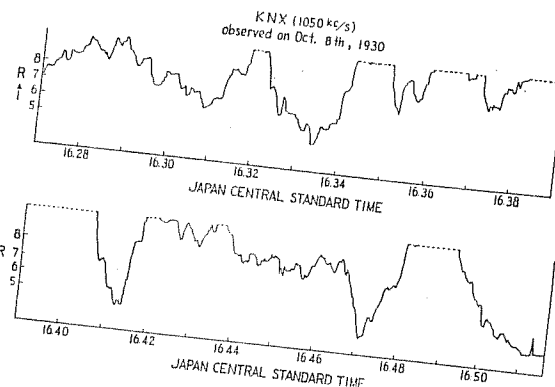


Fig. 4.

On account of such severe fading, an attempt was made to estimate average readability during an interval of one hour in order to know the general condition on reception of the day. From the data thus estimated, an interesting seasonal-variation curve was obtained as shown in Fig. 5. It gives that the reception is worst in summer as is expected, while the best reception is made in autumn, but not in winter.

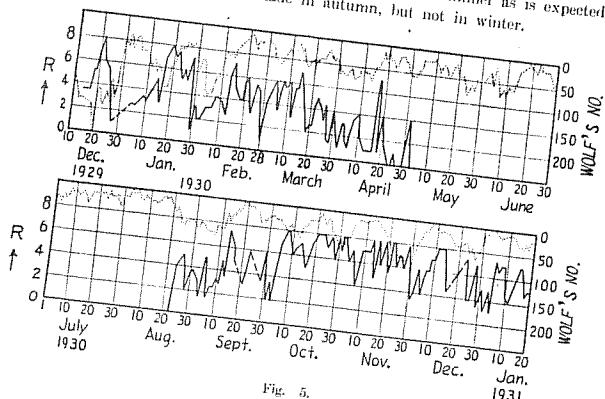


Fig. 5.

The receptions of the other two American stations, KEX and KGO, gave similar characteristics, but the intensities were generally smaller. On comparing, in general, the American broadcasting stations observed, KNX was the strongest, KEX and KGO were the next, and the others were still weaker. The reception of the Australian stations were not so strong as expected, even when tests were made under favorable conditions, though the difference

with KNX under a condition which was not so good, while 12-15 $\mu$ V/m was obtained at the best condition with 31.0 in Melbourne which is a similar 5 kW station.

European stations have generally been heard much weaker in strength at this laboratory, although many high-power stations are reported to exist there. The reason may probably be attributed to bad conductivity of the land intervening over which the transmission takes place.

#### Some Considerations on the Results.

Although a period of one year, during which the observations were carried out, may be rather too short to give decisive conclusions with respect to the solar relations, some remarks on the results so far obtained will here be given.

It may safely be said that the field intensities of medium waves at long distances have decidedly been weakened during the past few years. The degree of deterioration may be understood from an example described below. We have some data of the receiving measurements made on KGO at about 1100 J. C. S. T., of the summer in 1924, when the broadcast from KGO ( $\lambda=312$  m, Power=1 kW at that time) was heard every day at a loud speaker intensity.

The receiving condition is, in general, considered to be appreciably bad at such a time of a day in summer, as the absorbing action of the transmission medium is so great. However, the wave intensity was, at the experience mentioned above, so strong that the broadcast could be heard loudly notwithstanding great absorption, and heavy static which always prevails in summer seasons. Unfortunately no data measured in  $\mu$ V/m are available, but it is supposed that the field intensity of 30 $\mu$ V/m might have probably been obtained. It is also regrettable that no data in the autumn and winter seasons are available, as the observations were not continued after the summer of 1924.

On the contrary, the broadcast from KGO and other numerous stations could not entirely been heard throughout the summer of 1930 during which the measurements were carried out. No response was given even at a time when the entire path was almost covered with darkness, as shown in Fig. 5. Accordingly it seems that the transmission was much better in several years ago than in recent few years.

The reason may be attributed to the change of solar conditions. In 1924, the number of sunspots was observed to be small, and accordingly the magnetic disturbances were scarcely experienced, whereas, in 1929 and 1930, numerous magnetic disturbances were recorded. Similar results are given by Pickard<sup>1)</sup> and Stetson<sup>2)</sup> as to the correlation of broadcast waves with solar activity.

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#### THE INTERNATIONAL RADIO CLUB OF AMERICA

A non-profit club devoted to listening to distant radio stations on the broadcast band (510 to 1630 kHz). IRCA is a member of ANARC, the Association of North American Radio Clubs.

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The relation between the everyday intensity and the number of sunspots is not distinct and generally irregular. Nevertheless it seems to be true that wave propagation phenomena are almost entirely dependent of solar conditions than thus further investigations in regard to the relation between the field intensity and the solar phenomena, such as prominence, facula, etc., will be of great importance.

- 1) PICKARD, G. W.: I. R. E., Vol. 5, Feb., 1927 and Sept., 1927.
- 2) PICKARD, G. W.: I. R. E., Vol. 18, April, 1930.
- 3) STETSON, H. T.: Frank Inst., Vol. 216, No. 4, Oct., 1930.

Source: Reports of Radio Researches and Works in Japan, March 1932. via Bruce Portzer

## Three join battle for air waves

### FCC to conduct KROQ hearing

By GIL BAILEY

Knight-Ridder Newspapers

The Federal Communications Commission Thursday let three new companies into the battle over the licenses of KROQ-AM, Burbank, and KROQ-FM, Pasadena.

The FCC also turned down one other applicant in the long and costly struggle over control of the stations.

The FCC will hold a hearing to determine which of the competitors will be awarded the license for either or both of the stations.

The stations are currently operated by Burbank Broadcasting, according to the FCC. The stations have been on and off the air since July 29, 1975, because of a labor dispute, the FCC said.

In a series of actions Thursday the FCC:

1. Accepted the applications of Baker-Smith Communications to file for a construction permit for the Burbank station, and of A.W.A.R.E. Communicators Inc. and Lotus Communications Corp. for the FM station in Pasadena.

2. Rejected the filing of Foothill Broadcasting Corp. for the Pasadena station.

The actions mean that the FCC recognizes these companies as finalists in the competition for licenses to operate the stations.

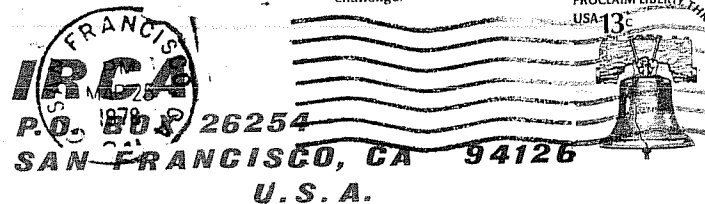
Other competitors are Burbank Broadcasting and George E. Cameron Jr. Communications, which have applied for a renewal of their licenses from KROQ-AM and KROQ-FM. Burbank is a partnership which owns the stock of Cammeron, according to FCC.

In addition the FCC has received applications from Royce International Broadcasting Co. for the Burbank AM station. In the case of the Pasadena FM station, Burbank and San Marco Broadcasting Corp. are also competing for the license.

The FCC admitted the circumstances surrounding the battle over the licenses were "complex and unusual."

It has repeatedly extended deadlines for the filings for the licenses.

However, with the actions Thursday, the FCC may have cleared the way for a final hearing and a determination of which company, or companies, will operate the stations. Licenses to operate radio stations must be renewed every three years, thus opening up the possibility of challenge.



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