



DX Monitor

Devoted Exclusively to
Broadcast Band DXing

February 25, 1984

Volume 21, Number 23

Issue Number 678

In This Issue

Broadcasting Information	2	Eastern DX Roundup	14
List of Kahn AM Stereo Stations .	5	The Beverage Antenna	15
Eastern DX Forum	6	Central DX Roundup	16
Western DX Forum	7	Western DX Roundup	18
WBZ Was Located in Millis in '20s	9	DX Worldwide East	20
WGNU Party Announcement	9	DX Worldwide West	22
Using The MWDX-2 Phasing Unit ...	10	Birds Win On San Jose Towers	22
Sony AM Stereo Receiver Review ..	13	About the Arbitrons	23

Odds and Ends

FLASH TIPS. We've only got a couple of flashes this week, all from this corner of the country: **KXXR** in Spokane, WA, has moved from 1440 to 1550 and put a good signal into Seattle MM 2/20 after **KKHI** went off. **KGRV-700** in Winston, OR has been testing a lot lately, per a phone call to the station. They had a potent signal here MM 2/20 using 25 kw day power. Their Chief Engineer seemed quite friendly when I called; he said he'd enjoy getting reception reports but he might be a little slow because he has two jobs.

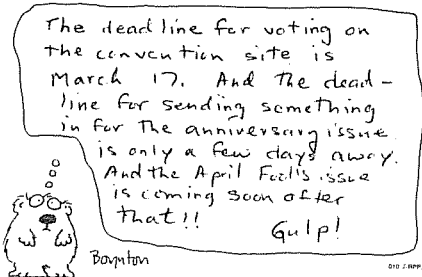
SECOND CALL FOR THE DXPEDITION. A memorial DXpedition will be held on the weekend of March 24-26, 1984 in honor of the late IRCA member John Clements. It will be held in the desert near Twentynine Palms, CA, and should produce some good Latin American DX. For more details contact Greg Hardison at 801-891-4252.

PANAMANIAN ELECTIONS. Panama will hold elections "in three months" per a story in the 2/19 Seattle Times. Possibly some stations will remain on the air later than normal with election returns. If we find out the exact date (apparently a Sunday in May), we'll let you know.

KOY ALMANAC. Memorabilia collectors might be interested in obtaining a copy of the KOY Almanac. It has all sorts of nifty information in it on Phoenix and vicinity and it's free. They will even mail them out of state. Their address is: KOY radio, 840 North Central, Phoenix, AZ 85004. Thanks to Dennis Kibbe for the information.

WHILE THEY LAST: KNWZ STICKERS. KNWZ-1190 in Anaheim has dropped news and changed calls to KEZY, but they still have an overabundance of K-News stickers, according to Jim Hilliker. Unless Jim took them all, you can probably obtain a few by sending them a SASE.

Bear: in mind.



**KOGO
NEWSRADIO
AM600**

BROADCASTING INFORMATION

Greg Monti
1301 S Cleveland St #356
Arlington VA 22204

call	kHz	day/night	
- new	540	1000/	Hesperia CA granted KKAR
- WDUN	550	5000/5000	Gainesville GA wants 5000/2500
- KFI	640	50000/50000	Los Angeles CA adds Motorola stereo (Connatser NRC)
- WSM	650	50000/50000	Nashville TN adds Motorola Stereo (Connatser NRC)
- new	660	50000/50000	Window Rock AZ granted construction permit
- appl	670	10000/10000	Maine HI application dismissed (Starr NRC)
- KKYX	680	50000/10000	San Antonio TX adds Motorola stereo (Connatser NRC)
- KTCR	690	500/	Minneapolis MN wants KTVN
- appl	720	1000/500	Billerica MA application returned
- KRMG	740	50000/25000	Tulsa OK adds Motorola stereo (Connatser & Lewis NRC)
- new	750	2500/	Olyphant PA granted construction permit
- KMTL	760	5000/	Sherwood AR wants 10000/
- new	760	5000/	Leicester MA wants WVNE
- appl	770	5000/500	Raytown MO application returned
- appl	770	250/	Nelsonville OH application returned
- KURM	790	1000/	Rogers AR granted 5000/500
- KLTT	800	500/	Brighton CO granter 1000/
- appl	830	10000/1000	Saint Andrews SC
- appl	840	10000/1000	Gardnerville NV application dismissed
- appl	840	250/	Jacksonville TX
- WIVK	850	50000/	Knoxville TN wants WHIG
- WKKO	860	1000/	Cocoa FL wants WJZX
- WAVE	860	5000/	Baltimore MD granted WBGR
- KIEV	870	5000/1000	Glendale CA wants 10000/1000
- KAAAN	870	250/	New Hampton MO wants Bethany MO
- KKMC	880	5000/1000	Gonzales CA application for 5000/5000 returned
- KIXI	880	50000/1000	Seattle WA granted Mercer Island WA & 50000/50000 (Hardy WA); wants KMRK
- appl	890	250/	Fraser TN application returned
- WHSM	910	5000/	Hayward WI application for 5000/500 returned
- KKLS	920	5000/	Rapid City SD adds Motorola stereo (Connatser)
- appl	930	500/	Granby CO
- WKGM	940	10000/	Smithfield VA wants 10000/5000
- KPUA	970	5000/5000	Hilo HI granted 670 kHz & 10000/10000 (Starr NRC)
- KREM	970	5000/1000	Spokane WA granted KLHT
- KXRB	1000	10000/	Sioux Falls SD application for Canton SD & 10000/2500 dismissed
- WBIK	1010	10000/	Jacksonville Beach FL wants 10000/5000
- WKQT	1010	500/	Garyville LA adds Motorola stereo (Connatser)
- WITL	1010	500/	Lansing MI adds Motorola stereo (Connatser)
- KYXE	1020	10000/500	Selah WA is actually 5000/500 (Taylor CA)
- KHOG	1030	10000/1000	Farmington AR adds unknown stereo (Lewis NRC)
- appl	1030	2500/	Floyd VA
- new	1040	5000/	Powell TN granted construction permit
- WALD	1060	1000/	Walterboro SC granted 1080 kHz & 2500/
- WNFC	1060	1000/	Newport TN appl for 1180 kHz & 10000/ returned and reapplied for
- KIJN	1060	250/	Farwell TX wants 5000/250
- KRPX	1080	2500/	Price UT wants 10000/
- new	1100	5000/	Webb City MO wants KKLL
- KDRY	1100	2500/1000	Alamo Heights TX wants 5000/1000
- KGFL	1110	1000/	Clinton AR wants 5000/
- new	1120	250/	Limon CO wants KLIM
- WBZT	1130	1000/	Waynesboro PA granted WEEO
- WAGS	1140	10000/	Atmore AL adds Motorola stereo (Connatser)
- KVLI	1140	500/	Lake Isabella CA wants 1000/
- WRNA	1140	250/	China Grove NC application for 770 kHz & 2500/ returned; now wants 1030 kHz & 1000/
- WHUE	1150	5000/5000	Boston MA adds unknown stereo (Kemp NRC)
- appl	1170	500/	Hanceville AL is here, not on 1040 kHz (Starr NRC & Nolan RP)
- new	1170	5000/1000	Claremont NC granted WCNX
- new	1170	10000/	Lexington SC granted WXAX
- WGZS	1170	1000/	Waupun WI granted WLKE
- KNWZ	1190	10000/1000	Anaheim CA wants KEZY
- WIDS	1190	250/	Russell Springs KY wants 570 kHz
- new	1200	5000/1000	Rancho Mirage CA granted construction permit (Starr)
- appl	1210	10000/1000	San Marcos CA appl dismissed (Starr NRC)
- KRDE	1230	1000/250	Steamboat Springs CO adds Motorola stereo (Connatser)
- new	1230	1000/250	Berlin NH wants WNHX
- WENY	1230	1000/250	Elmira NY wants Southport NY & 1200 kHz & 5000/1000

-KOKY	1250	1000/500	Little Rock AR granted KLAZ
-KYA	1260	5000/1000	San Francisco CA granted KOIT
-WNDE	1260	5000/5000	Indianapolis IN adds Motorola stereo
-KJOY	1280	1000/1000	Stockton CA adds Motorola stereo
-WTNX	1290	5000/	Lynchburg TN wants 870 kHz & 1000/
-WFFG	1300	500/500	Marathon FL granted 2500/2500
-WCKV	1300	1000/	Saint Albans WV granted WKAZ
-new	1310	1000/	Priceville AL granted construction permit
-WXXX	1310	1000/	Hattiesburg MS granted WKOJ
-WEET	1320	5000/	Richmond VA wants WRJV
-KXXY	1340	1000/250	Oklahoma City OK adds Motorola stereo
-KBBL	1340	1000/250	Lubbock TX wants KFMX
-WIEZ	1350	500/	Blackshear GA granted WGIA
-WHWH	1350	5000/5000	Princeton NJ adds Motorola stereo
-KDOV	1350	1000/	Ashland OR granted Talent OR & 1230 kHz & 1000/250
-WGSW	1350	1000/	Greenwood SC adds Motorola stereo
-appl	1360	5000/5000	Wisilla AK
-KRVV	1360	5000/	Vail CO wants 610 kHz
-WCHL	1360	5000/5000	Chapel Hill NC adds Motorola stereo
-KUIK	1360	1000/	Hillsboro OR granted 1000/5000 (Hardy WA)
-WMNE	1360	1000/	Menominee WI appl for 870 kHz & 2500/1000 returned
-WIVV	1370	5000/1000	Vieques PR appl for 780 kHz & 50000/50000 dismissed
-WGNW	1370	500/	Pewaukee WI granted Sussex WI & 500/500
-WADA	1390	1000/500	Shelby NC granted WCCS
-KSLY	1400	1000/250	San Luis Obispo CA wants KUNA
-KKBZ	1400	1000/250	Santa Paula CA granted KAAP
-WERD	1400	1000/250	Jacksonville FL wants WZAZ
-WMOE	1400	1000/250	Alpharetta GA granted WVMF
-WJQS	1400	1000/250	Jackson MS wants WOAD
-WUNI	1410	5000/5000	Mobile AL wants WMML
-new	1410	1000/	South Glens Falls NY granted WGFN (Starr NRC)
-KTAA	1420	500/	California MO granted KZMO
-appl	1450	1000/250	Hurley WI
-KZOT	1460	500/	Maranna AR wants KMAC
-new	1460	5000/	Mount Holly NJ granted construction permit (replaces deleted WJJZ, Starr NRC)
-WPVL	1460	1000/500	Painesville OH granted WQLS
-KKKC	1470	1000/	Anoka MN wants KANO
-KSEM	1470	5000/1000	Moses Lake WA wants KBSN
-WMAX	1480	5000/	Grand Rapids MI granted Kentwood MI & 5000/5000
-WESL	1490	1000/250	East Saint Louis IL adds unknown Stereo (Kemp NRC)
-KMIO	1500	250/	Merkel TX granted KMXO
-KTOL	1500	1000/	Lacey WA adds Magnavox stereo (Hardy WA)
-WEXM	1520	500/	Jamesville VA granted WKRE
-KMFO	1540	10000/	Aptos Capitola CA granted Soquel Capitola CA & 10000/10000
-KNEX	1540	250/	McPherson KS granted KNGL
-KHND	1540	500/	Harvey ND wants 1470 kHz & 1000/
-WPKZ	1540	10000/	Pickens SC wants WTBI
-KQWB	1550	5000/	Fargo ND adds Motorola stereo (Connatser)
-new	1550	2500/250	Saint Stephens WY wants KIBG
-WYSE	1560	5000/	Inverness FL wants WKIO
-WBOL	1560	250/	Bolivar TN wants WJDS
-WPLW	1590	1000/	Carnegie PA appl for 660 kHz & 250/ returned
????	????	???	Caro MI "Great Bay Broadcasting Co" wants "KRCX" (none of the info in this one checks out: no pending appl at Caro MI, a "K" call being applied for in MI, it's not a state type since other states starting with "M" in the "K" part of US have no great bays near them...)

The Harris STX-1A AM stereo generator is legal for use by AM stations in the USA again, although it may be too late for Harris to regain the winning momentum it had in the AM stereo race before its old STX-1 system was un-type-accepted by the FCC last fall. The Commission had to waive the monophonic total harmonic distortion requirement on Harris' unit in order to allow it to pass type acceptance.

Canadians adding Motorola stereo: CKOC 1150 ON; CKOV 630 BC; CFPL 980 ON; CKNW 980 BC; CJSE 540 ON; CJCI 620 BC; CFRB 1010 ON; CJVB 1470 BC; CKWX 1130 BC; CKLW 800 ON. A few of these verifiable here: CKLW and CJSE sound excellent in stereo via skywave on a Sony SRF-A100 AM stereo receiver.

The National Association of Broadcasters has sent a resolution to auto and consumer radio manufacturers asking them to produce all-system AM stereo radios so that a transmission standard will not have to be set. So far, Chrysler and GM are not complying, producing only radios capable of receiving the Motorola AM stereo system. Wait 'til owners of these new

cars in the nation's biggest city try to tune in WQXR and WNBC in stereo, both using the Kahn system, and find they can't.

Except as noted, from the Jan 2, 9, 16 and 23 issues of Broadcasting; NRC = National Radio Club DX News; RP = Radiophiles bulletin.

RADIO PROGRAMMING NOTES:

KKAR 540 Hesperia CA, in spite of being 60 miles north of LA, will attempt to be an LA all-news station, slogan will be "Car 54," what else? (Radio & Records, AdWeek, Taylor CA)

KSFO 560 San Francisco CA has switched from MOR-big band to oldies concurrent with the ownership change 12/13 (Taylor NRC). Al "Jazzbeaux" Collins is doing overnights instead of Larry King carriage (Hardy WA).

WVAI 610 Winchester VA has switched from big bands to rock "The Music Station" (Binau NRC)

KSLR 630 San Antonio TX (x-KMAC) is religious "Sun Life Radio" (Nolan NRC)

KCBS 740 San Francisco CA has picked up Larry King as of 12/13

KCMC 740 Texarkana TX is on the Music Country network (Francis NRC)

KMMJ 750 Grand Island NE is now country (Nolan TX)

WJMW 770 Athens AL (x-730) is now country (Nolan TX)

WKZY 770 North Fort Myers FL new station signed on 12/17, format unknown (Schatz NRC)

WNYC 830 New York NY now runs "The Children's Show" Mon-Sat 1700-2000 ET, which means that "All Things Considered" can only now be heard either at 2000 ET or on WNYC-FM in that market (Newsday).

WVPO 840 Stroudsburg PA is now big bands (Nolan TX)

WAKM 950 Franklin TN is now country (Nolan TX)

KYTE 970 Portland OR switched from country to adult contemp and is once again using real calls other than at legal ID time; "97 country" slogan was the only non-legal ID before (Hardy WA)

WLPQ 980 London KY is now country (Nolan TX)

KGTM 990 Wichita Falls TX is easy listening (Nolan NRC)

KHOG 1030 Farmington AR (x-1440) is now contemp hits (Nolan TX)

WTTP 1060 Natick MA is dropping most sports play-by-play due to money problems (Kemp NRC); slogans are "Talk of the Suburbs" and "Touch Talk 1060" especially when conducting sexually oriented talk shows (Fitzherbert NRC)

KRLA 1110 Pasadena CA has the real Wolfman Jack on the air again in the LA area, although he pre-tapes the shows for overnight playback 0000-0500 Tuesdays through Sundays PT.

KTEK 1110 Alvin TX has, it is rumored, been sold to an owner known for time-brokering religious or ethnic programming (Nolan TX)

WNEW 1130 New York NY celebrates its 50th anniversary on 2/13. A commemorative book, "Where the Melody Lingers On," is available from the station for \$15 with proceeds going to charity. A quick review: the book is excellently put together and is recommended to big band, "Jazzbeaux" Collins and/or WNEW buffs.

KBOX 1150 Little Rock AR is now contemp hits (Nolan TX)

WJOK 1150 Gaithersburg MD, the all-comedy station, is still losing money after one year of operation, but may try syndicating its format nationally (Kemp NRC).

KDLP 1170 Bayou Vista LA (x-KQKI) is contemp hits (Nolan NRC)

WNER 1250 Live Oak FL is now contemp hits (Nolan TX)

KOIT 1260 San Francisco CA (x-KYA) switched from oldies to easy listening, on 12/13, apparently partly simulcast with KOIT-FM now that they are commonly owned (Nyholm CA, Hardy WA)

WNAM 1280 Neenah WI is now adult contemp (Nolan TX)

WHKY 1290 Hickory NC is now adult contemp (Nolan TX)

WBFD 1310 Bedford PA switched from rock to religion (Binau NRC)

WJDZ 1310 Troy PA is now adult contemp (Nolan TX)

WNSY 1310 Newport News VA is oldies; the FM is adult contemp (Nolan TX)

WMOR 1330 Moorhead KY is now country (Nolan TX)

KVOL 1330 Lafayette LA is now adult contemp (Nolan TX)

WYXY 1360 Orlando FL is now country (Nolan TX)

KREE 1360 Ruidoso NM is country (Nolan TX)

KAMT 1360 Tacoma WA (x-KMO) from country to adult contemp (Hardy WA)

WBUY 1440 Lexington NC is country (Nolan TX)

WMYD 1370 Wickford RI is all news using CNN Radio net (Fitzherbert NRC)

WVSA 1380 Vernon AL is now country (Nolan TX)

KOTE 1380 Lancaster CA is now big bands (Nolan TX)

WXMS 1380 Ormond Beach FL is (get this) all Christmas music, yup, the year 'round, claims this station's new owner (Nolan RP)

KSWO 1380 Lawton OK is now country (Nolan TX)

KWLA 1400 Many LA is now country (Nolan TX)

WAMQ 1400 Loretto PA is contemp hits "Q-94" part simulcast with WBOX 94.3

(Schmidt NRC)

- WYLO 1440 Elizabethtown NC is now adult contemp, "14-0" (Nolan TX)
- WWXL 1450 Manchester KY is now contemp hits "XL-103" (Nolan TX)
- KBRZ 1460 Freeport TX is country (Nolan TX)
- WFNN 1470 Tampa FL is news talk (Nolan TX)
- WJTT 1480 New York NY is simulcasting the WABC-TV 7 newscasts at 2300 ET in Spanish (Kemp NRC)
- WOFN 1490 Bradenton FL is now contemp hits (Nolan TX)
- KDOK 1490 Tyler TX is country (Nolan TX)
- WQCT 1520 Bryan OH is now contemp hits (Nolan TX)
- WZZX 1540 Lineville AL is country (Nolan TX)
- WCHU 1550 Soddy Daisy TN is big band, uses SMN/Stardust network, simulcasts with FM "Choo Choo 102" (Geary NRC)
- WQXR 1560 New York NY may be the second commercial classical station to become a "superstation." WQXR is making plans to deliver its stereo signal to cable TV operators via satellite so they can offer it to their subscribers as they now offer WFMT Chicago.
- KJXZ 1560 West Lake Hills TX switched from big bands to rock (Herman NRC)
- WRHD 1570 Riverhead NY (x-WRCN) has switched from adult rock to big band (Fitzherbert NRC)
- KHEN 1590 Henryetta OK (x-KGCG) is now country (Nolan TX)

The National Radio Broadcasters Association took a poll of 3497 commercial stations in the US and found that the most popular formats were adult contemp (29%) and country (28%). As for AM stereo, 4% of 1286 fulltimers were stereo; 2% of 526 daytimers were stereo; 20 to 25% of all AM's say that stereo is in their futures.

Networks: The CBC is now a 24 hour operation after being a 20-hour-a-day operation for a long time (Kemp NRC). NBC/Source's "Flashback" oldies series is on WNBC 660 NY Sundays 0900-1200 ET (Newsday). In syndication: A new version of the old "Your Hit Parade" is carried Sundays at 1100 ET on WGSN 740 NY (Newsday). "The Business Times Market Report" is a 40-minute daily live feed targeted for use by AM stations in the top 25 markets. "Time World News Magazine," the radio service of Time magazine, is syndicated via tape in 15 featurettes per week starting 1/31. "New Waves," a 2-hour weekly children's program (target audience 9-14) started 1/29, includes pop music, comedy, features and drama.

The #1 station in New York is contemporary hit formatted WHTZ 100.3 Newark NJ. "Z-100". #2 is WOR 710 (news talk) (Newsday).

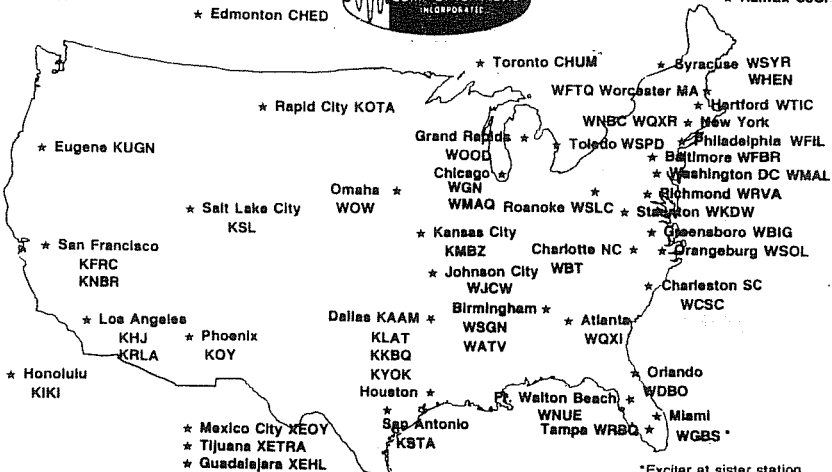
The FCC's "Rule of Sevens" may be lifted entirely sometime soon. The rule, in existence for 40 years, allows one person or company to own no more than 7 AM, 7 FM, and 7 TV stations. The rule's purpose, to prevent the big three networks from owning too many outlets is, in the mind of the current FCC, no longer valid. Small stations are protesting the change, big owners like it since they'll be able to increase their portfolios of stations. Also, owners at the maxima may sell the stations in less profitable categories (AM's) to buy more profitable FM's.

* Anchorage AK
KFQD

* Edmonton CHED



* Halifax CJCH



*Exciter at sister station.

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: Fridays. Anniversary Issue: March 9, 1984

C. M. Stanbury II, RR #1, Ridgeway, Ontario LOS 1N0

Ref. our previous conclusion that R. Marti will operate from a second site in the Florida Keys on 530 kHz - in response to a query, the following response has been received from Arthur L. Manning, Manager, VOA, Marathon; "Other station you speak of is located on the Navy Communications base at Saddlebunch Key. Four tower directional on 1040 kHz, presumably it was intended to be Radio Marti. All evidence indicates that Marathon VOA will become Marti. I don't know anything about the Saddlebunch station disposition". Now existence of the Saddlebunch site was first reported by the press a couple of years ago but my information was based on a picture taken by a vacationing TV newsmen in November. Inclusion of the towers in his picture was purely accidental (he intended to shoot a seascape). He identified the location as Sugar Loaf, however, as the Saddlebunches adjoin a slight geographical error is possible. No privately owned BCB facilities are licensed for either location. The towers appear very tall thus one would expect this array to be tuned to the bottom rather than the middle of the BCB. Only two towers are visible in the picture although others could simply be outside the frame of the shot. But whether Saddlebunch or Sugar Loaf, 4 towers or 2, bottom line remains this MW relay site was still there as of last fall. At the very least we have an operational xmtr site readily available for R. Marti in the event of any "crisis" situation. Best.

Fred Vobbe, P. O. Box 127, Temperance, Michigan 48182-0127

(313) 847-1344 (1800-2100 EST only) As DX season starts to wind down, I finally got my loop back from McKay/Dymek. It was a day late as some neat stuff rolled in from the south. YVRQ-910, HJAE-920, XEG-1050, XEEP-1060, XET-990, XEJ-970, and KRLD-1080, KWKH-1130 & WGBF-1280 were in for the duration on 2/5/84 from 2230-2358 EST. My antenna was a 75 foot longwire polarized for north/south reception. Darn, if I only had the loop it would have been interesting to see what was coming from the east and west. Gary Siegel and Frank Merrill were also there to catch these as we were having a GTG prior to Gary leaving the mainland to visit Hawaii. (He will do anything to get KORL to verify, hi.) My DX activity has been to a very bare minimum. I just finished doing a simulcast with our FM station on WXON-TV (channel 20, Detroit) for our morning show guys. It was great however getting up at 4 in the morning, and video editing till 10 at night is taxing on one's ability to stay awake. I was staying in the Hyatt Regency Hotel in Dearborn for the week, thus no access to antenna nor receiver. Did catch a weak WIP-610 in the evening one night over WTVN-610. (I'd love to hear WTVN-610 over or under WIP, hi--rce) As soon as the skip season gets low I will be building a whole bunch on new equipment for my home studio that should take about 6 to 8 months to complete. I have to build headphone amps, audio distribution amps, and some impedance/level changes. I just purchased new QSL cards for WHND radio, along with some other items. For those of you that collect verifications, WHND does QSL! Hope you caught our test of 2/20/84. Well, it's back to dubbing tapes. C U N a few.

Gary Siegel, 2738 - 106th Street, Toledo, Ohio 43611

Hi again! The big news here other than getting plans rolling for a hoped for exciting IRCA summer meet in Toledo is a two week trip to Hawaii for yours truly which by the time you read this will probably have concluded. (Don't these things always go by too fast, hi!) The trip will cover 4 islands and should provide some interesting listening and many fine tapes--I do plan to do a significant amount of taping. I'll be trying to set a long distance listener record for WHND-560 which CE Fred Vobbe plans to test on 2/20/84 from 0230-0330 ELT. If I hear them on the Islands Fred may owe me the station, hi! I can't wait to snag an exotic state capital in the form of Honolulu--Frank Merrill is already gritting his teeth, hi. I figure this will make a nice 33rd birthday present as well as being an excellent escape from this less than wonderful winter. Toledo set an all-time low of -20 F on 1/21/84 smashing the old former mark of -17 F.-- What gives! If this wasn't enough the Toledo area was shook by an earthquake of 2.5 on the Richter scale about 1515 on 1/14/84 and this kid slept

(Siegel, cont...) through it having come off a midnight shift. How about that Rich Segalas, do I qualify as a future Californian? The epicenter was near a high school across the Maumee Bay in suburban Oregon, Ohio. Naturally I was glad not to be at work during this neat event thus missing the avalanche of phone calls that flood police depts. wondering what happened. Not having too many of these in this area I would have probably been telling people it was a sonic boom since people were telling me that was what it sounded/felt like. Kine of makes you wonder what's going on when Ohio gets earthquakes and California doesn't, hi! Speaking of California on a more serious note, was greatly saddened to hear of the passing of John Clements. He was a good friend and generous person as well as being an asset to the DX hobby who will be greatly missed. His example for tireless contributions should be an inspiration to all of us. Well for now 73s and Alohai.

Richard C. Evans, P. O. Box 1294, North Wales, Pennsylvania 19454

Some quick notes: Stan, your Forum report took ten days to get here. Hope all of you voted for one of the convention site, although I do have, at times, some misgivings about those who would not be attending the convention regardless of where it would be deciding on the location. As an example, do those of us on the east coast have the right to choose between Seattle and Phoenix as west coast convention sites if we can't make either place. We could be deciding if some of those on the west coast will be able to attend the convention. Neither am I comfortable with the prospect of having a convention pick the next year's site. Are there comments from any of the members? I did vote this time around, as one of the sites is remotely possible this year, but not the other. A lot of things are still in the air, tho, so I'm not laying bets yet on being there. I thought last year that the NRC convention was a lead-pipe cinch, but it wasn't to be. Night classes have started again, with 2/9 being the first night. It looks like hard work this time around. Gotta run. PTL.



Western DX Forum

★ ★ ★ ★

IRCA—Serving the Broadcast Band DX'er Since 1964

Editor: Ric Heald, 1632 J St., # 3, Eureka, CA 95501

DEADLINES - WEEKLY ON TUESDAY, 12 DAYS PRIOR TO PUBLICATION DATE

*****IRCA ANNIVERSARY ISSUE*****

DEADLINE FOR FORUMS TO BE INCLUDED IN THE 20th IRCA ANNIVERSARY ISSUE IS 12 MARCH 1984. ---If you have never before sent in a Forum, this is your opportunity to introduce yourself to the club. For the "regulars" this is the time to re-introduce yourself and tell a little about your interest in the hobby. You may send a separate Forum for the Anniversary issue with your regular forum (but mark it separately). The record for Forums in the Anniversary issue is 21, so let's all try to break that record! Forward, march. .

FRANK ADEN, P.O. BOX 66352, PORTLAND, OR 97266

The Idaho Broadcasting Guide should be out at the end of the month. I'm having some trouble getting format and network information from KSPT Sandpoint. I've been informed they've been sold and have changed call letters. There's no longer a phone listing for them. If anyone hears them please let me know their new call.

Bill Frahm reports that KGEM has just applied for 50 kw daytime. KRAK has just recently gone to a directional antenna daytime to clear the way for KGEM. Daytime, KGEM will have two major lobes, one NW and one SE (toward Twin Falls). Bill also reports that there is no station on 1590 in Twin Falls and that the reports are probably Manti, Utah (as indicated previously in DXM).

KGEM is Motorola stereo and KBOI will be the same in late February or March. KFXD plans to follow in late spring. 73.

DOUG NYHOM, 2071 CEDAR ST., SAN CARLOS, CA 94070

Hello everyone. I haven't written a forum for some time so I thought I was about due for one.

First of all I don't have a lot of DX news as it just seems as though there aren't enough hours in the day anymore.

To feed the mystery about the KRVN 880 QSLs coming from Atlanta, yes, I too received one, several years after my original plus follow-up reports. Who knows why? But I'll bet we'll never know. (It was fully explained in a pre-

vicious DXM, Doug-RtH.) Also in the QSL department, to note, I just received my QSL from KPQP 1360 San Diego. It's basically the same as the KCCN v/q, however, my card had noted on it, "QSL #1"!! Whether it is, it's kind of neat. I also finally received a QSL from KAPS 1470 Mt. Vernon, Washington, which stated that they've been using 800 watts non-directional for the past two years. They're listed as using 500 watts directional, and from the coverage map of theirs, it used to be directional to the south.

And finally covering my KJBK 1590 Twin Falls mystery station. First of all I wish to thank all of those who searched their logs, etc., for your help. I'm beginning to think that the last explanation is probably correct, that it was KMTI in Manti, Utah. Even though "KJBK" was logged under KMTI which was under KLIV and it sounded like it was a third station, what other logical explanation is there? I called a couple of Twin Falls stations and talked to several station personnel who said that they had been familiar with Twin Falls radio for the past 20 years and never remember a station that far up the dial even briefly. Again, thanks to all those who helped with my unID. This is what a radio club like IRCA is for and is all about, it's a great club. Now, let's make it even greater and all report to the anniversary issue (maybe even smoke Ric's typewriter, hi). (That means a forum from you too, hi-RtH.)

GARY LARSON, 2806 LINCOLN, BURBANK, CA 91504 (818) 954-0111

Hi gang. It's 1743 PLT 06 February, and I'm listening to the s/off of KVIP 540 Redding, mentioning being non-commercial, 1000 watts and that visitors are welcome to the studios. Now I'm picking up KFAM 700 - not a bad signal.

Picked up a pirate on 540 earlier in the afternoon and I taped it. Using call of KDX. Wish I knew where they are so I can contact owner or a phone number to call. They signed off mentioning 100 watts, but no POB number or ways to contact. (That's why they're called pirates, Gary, hi-RtH.)

Picking up some stations not heard here much: KVIM 970, KOMO 1000, KWSO 1180, KMEN 1290, KPQP 1360 and (I think) KMAY 1570. It's now 1757 and KPQC's carrier is on. I'm taping the s/on.

Interesting about KGHO 1560 changing to BFL. I've heard tapes of KÖIT 1260 and they seem to have good modulation for a BFL.

Hope all of you try to send in an anniversary forum to Ric.

Also, support the columns in DXM. 73.

PAT MARTIN, P.O. BOX 843, SEASIDE, OR 97138

I was very sorry to hear about John Clements. I had met him at several conventions through the years. A good DX'er and a very nice person. I wish the best to his family.

DX of late seems to be improving. 06 February DUs were all over the dial, many very strong. Logged a new one - 2YP 1530 New Plymouth, New Zealand with 1 kw, KBFK off. Nothing to the east heard on 1530, just 2VM NSW and 2YP.

Seems to me there's a lot more stations off these days than in the past. For all the NSP'ers out there several have been off in the past few weeks. Noted CKLG 730 off a couple MM's back. Also, KLO 1430 is now off MM which really helps. That was a great frequency back in the '60s, along with many others. How many people remember when 1400 kHz was clear on MM in the early '70s. I believe the nearest station to the east on MM's on 1400 was WMAN Mansville, Ohio. I heard and verified WNUF Ft. Walton Beach, Florida on 1400 kHz.

I've only noticed a couple post sunset stations here: KPDQ 800 Portland with 500 watts and KSWB 930 Seaside with 250 watts. Haven't heard KGHO 1560 as yet, so they may be operating with low power.

New veries of late: KUTY 1470, KGTL 620 (Alaska #29 from Oregon), CBKF 2 and KO'E 950. I now have 1351 BCB veries from 66 countries.

Good DX to all and 73.

GLEN KIPPEL, 612 WEST AVE., MERCED, CA 95340

Hello once again from the foggy San Joaquin Valley.

Between doing the engineering for two local 50 kw FM stations and keeping after three small boys when home, there has been very little time for DX lately. Conditions seem to be in the doldrums anyway. CFFR 660 is pretty regular now, but the way my loops are oriented I can switch between them and XERPM quite well.

Perhaps the only way I'll hear CKRW Whitehorse, Yukon Territory (sgort of moving there, hi) is to swing the satellite dish around to Anik D1, transponder 18. There are several other Canadian AM's and FM's on that bird.

H. Parkhurst -- your 1360 unID is probably KEYZ Williston, North Dakota. Wildrose is a little burg near there and Mandan is a town to the southeast.

I don't remember who reported local KLOQ 1580 as using a "Cow Country" slogan, but it should be "Cub Country" as they simulcast KUBB (FM).

Anybody have any dope on the new Panasonic R2-B300 receiver? With dual bandwidths and LCD display it looks interesting.

Though not MW, a recent article in Satellite Communications magazine was of interest. It covered the concept of HF/DBS, or broadcasting direct from satel-

lite on the SW bands between 15 to 26 above the MUF (maximum usable frequency for conventional propagation). This makes the transmission relatively immune to jamming. VOA, RFE and other broadcasters are interested in the idea.

For anyone needing a veries from KYOS 1480, Greg Richards is currently the engineer there.

And that's about all that's new and exciting here. 73 all. (Noted your note apologizing for not double-spacing, Glen, but you're still going to get 100 lashes of the stiff penguin flipper, hi-Rth.)

RIC HEALD, 1632 J ST., #3, EUREKA, CA 95501 (707) 443-1685 M-F 9-6 or (707) 443-2704 SAT 9-2 PLT & ppd

Greetings. I thought when I moved from the big city to this small burg I'd have much more free time for DX. Wrong. I'm more involved with local organizations than ever before and DX time is less than ever. At least it's been bringing in business to the travel agency and that's what counts.

Seems central and southern California DX'ers have no trouble nulling out the new CFR 660. But up here in northern California they're quite strong, when the KBOI slop subsidizes. Guess 250 miles makes enough difference.

And speaking of regions: California is roughly 900 miles long. If divided into three equal sections, central state would start at the Bay Area. San Francisco is really the very southern end of NorCal; we all up here get a kick out of newscasters on Bay Area media referring to the Bay Area as NorCal when it's really central, hi. Why do I bring this up, you ask? I've seen reports in the past questioning the s/off time of a daytimer. Remember that there can be as much as an hour's difference in sunset or sunrise in mid-winter and mid-summer between say, San Diego and Crescent City. And at certain times of the year, the zone (+-15 minutes) cuts right through the Bay Area, so Vallejo will go off/on 15 minutes different than Palo Alto as an example.

Pat, I remember when 1450 was clear on MM for a time. My best catch on 1450 was WVON Cicero (now on 1390) all by themselves. And yes, the 1400's in general were hot for SR DX in the '60s. I remember sitting on 1470 and working 10 kHz each side for s/ons from the east starting at 0200 PLT. Heard a lot of 5 kw and even 1 kw eastern stations that way. Also if you'll recall, for a short time some daytimers were permitted to s/on as early as 0400 LT. KFAX 1100 has an interesting setup like that. S/on 0400 to local sunset. Then return to the air at 2200 PLT and broadcast to 0100 using their 1 kw transmitter from downtown San Francisco (Pine & Larkin) with their daytime setup east of the Hayward bridge, where the entire operation is now.

Enough rambling. One week to go for anniversary forum deadline. Let's make this one a really big show. 73 de Rth.

WBZ Was Located In Millis In 1920s

By GORDON E. HOPPER
Daily News Staff

MILFORD — The broadcasting of music, news and advertisements by commercial radio stations started in the early 1920's. As written in the April 21 issue of the Milford Daily News, radio station WBZ, at that time, was located in Millis.

However, more than 10 years before the first commercial radio station was put into operation, radio communications were being made by young residents of Milford.

On June 15, 1909, the Milford Daily News reported that an aerial had been erected between one end of Trinity Church and a house on Fayette Street with the center of it connected to a wireless station inside the YMCA building.

Apparatus had been erected inside the building by Allen Dudley and Charles Wilcox and the Association headquarters kept in touch with a weather bureau and other distant wireless stations.

Around the same time, it was reported that Charles and Merrill

Guild, age 14 and six years, of Cambridge and former residents of Milford, had been talking to other boys in Cambridge and on Cape Cod for three months by wireless.

Their mother, well known in Milford as a reader, said that wireless telegraphy was a remedy for mischief and the noise of boys around the house.

The boys also received a message of a ship collision off Nantucket and it is believed that they were visited by Mrs. Eben T. Draper, wife of the Governor.

In Milford during January, 1909, Frank Nutter of Court Street and Henry Schultz on Spring Street were experimenting with wireless telegraphy.

Schultz was successful in getting his wireless apparatus completed and he was able to receive messages daily from stations on the east coast.

After Allen Dudley helped him in the adjustment of his wireless equipment, he was able to take a message from a station at Brant Rock.

From St. Louis Globe Democrat 23 December, 1983



WGNU Account Executive
Julie Sincoff
Invites All Of
Her Accounts — (And
The "No-Accounts" Tool)
— To The Christmas Party
Sunday Afternoon
At The Clarion.

1.0 Two Wire Phasing -----

Use two aerials with a minimum length of 82 ft / 25 m. The wires used should be of similar length if possible (this need is less critical if both wires exceed 656 ft / 200 m). When wires shorter than 200 m are used, best phasing tends to occur when the wires are separated by a horizontal angle of 45 degrees minimum. Horizontally perpendicular wires, one running to the northeast for Europe and one running southeast for the Caribbean would comprise a good wire pair for the DXer in the northeastern USA.

Those with vaster expanses of available land, those able to install true Beverage-length aerials, may have best results with parallel Beverages separated by about 16 ft / 5 m. Terminating one of the Beverages in salt marsh or other good ground, whilst letting the second one 'float' is supposed to be the last word in phased-Beverage setups. Two parallel unterminated Beverages would probably work just about as well in most cases, however. A pair of Beverages 'aimed' at Europe (also catching the more northerly-bearing Africans) and a second pair of Beverages favouring the eastern Caribbean/South America/southerly-bearing Africans is seen as the ultimate antenna farm for east coast US/Canadian international DXers. Add a loop and possibly a vertical & 'high-intensity DXing' should be greatly facilitated.

1.1 Preliminary Setup -----

Connect one wire to J1 (Line 1 Wire In)
Connect other wire to J4 (Line 2 Wire In)
Connect grounding wire to J2 (Earth GND In)
NO CONNECTION TO J3
Connect output cable (to RX or amplifier) to
to either RF output jack J5 (BNC) or J6 (Motorola)

C1 (Line 1 Tune) will be adjusted in subsequent steps.
C2 (Line 2 Tune) will be adjusted in subsequent steps.
Set C3 (Null Vernier Cap.) to centre (half-meshed)
Set R1 (Line 1 Pot) to min. R / fully CCW
Set R2 (Line 2 Pot) to min. R / fully CCW
Set R3 (Null Vernier Pot) to min. R / fully CCW
Set S1 (Line 1 Freq. Range) to range called out in Figure 2
Set S2 (Line 2 Freq. Range) to same range as S1
Set S3 (Function Switch) to 1
Set S4 (Line 2 Input Switch) to Wire
Set S5 (Null Mode Switch) to A

1.2 Line 1 Tune -----

Adjust C1 for peak signal at frequency of interest.
If C1 produces maximum signal when fully open, set S1 one position CW [next lowest inductor] & then peak-tune C1.
If C1 produces maximum signal when fully meshed, set S1 one position CCW [next highest inductor] & then peak-tune C1.

1.3 Line 2 Tune -----

Set S3 to 2
Adjust C2 for peak signal at frequency of interest.
If C2 produces maximum signal when fully open, set S2 one position CW [next lowest inductor] & then peak-tune C2.
If C2 produces maximum signal when fully meshed, set S2 one position CCW [next highest inductor] & then peak-tune C2.

1.4 Level Comparison -----

Set R3 to middle of its range.
Switch S3 back & forth between 1 & 2.
Note whether position 1 or 2 of S3 produces a stronger signal from the dominant station to be nulled.

1.5 Null (Line 1 Level greater than Line 2 Level)

If the station to be nulled is stronger with S3 on 1, put S3 on Null & tweak R1 to get a 'dip' (point at which moving the control either CW or CCW from the dip position increases signal). Leave R1 at dip-yielding position, or return to min. R/ fully CCW if no dip occurred.

Note C1 knob position. Tweak C1 for a dip.

Leave C1 at dip-yielding position, or return to previous position if dip didn't occur.

In all probability, some nulling has been achieved; if so, go to step 1.7, Null Finalisation.

If no dipping occurred; set S5 to B & re-iterate this step.

1.6 Null (2 Level greater than 1 Level, or no difference)

If the station to be nulled is stronger with S3 on 2, or if the difference in the Line 1 & Line 2 levels is insignificant, put S3 on Null & tweak R2 to get a 'dip'. Leave R2 at dip-yielding position, or return to min. R/ fully CCW if no dip occurred.

Note C2 knob position. Tweak C2 for a dip.

Leave C2 at dip-yielding position, or return to previous position if dip didn't occur.

In all probability, some nulling has been achieved; if so, go to step 1.7, Null Finalisation.

If no dipping occurred; set S5 to B & re-iterate this step.

1.7 Null Finalisation

Obtain as good a null as possible by successive fine adjustments of C1, C2, and also of the previously-tweaked pot (R1 or R2).

Finish nulling by using the two null verniers: C3 & R3. (Play R3, then C3, then R3, then C3, etc.)

2.0 Wire vs. Loop Phasing

A wire may be successfully phased against a loop antenna. Radio direction finders (RDF's) used on ships and in aircraft have long made use of this principle to resolve the 180-degree 'ambiguity' of conventional figure-8-pattern loop direction finding. RDF's generally phase a vertical whip against a loop to produce a cardioid (single-direction null) pattern. Ron Schatz's 'LSCA' research project has also successfully worked out a scheme to 'uni-directionalise' a loop's null.

The MWDX-2 phasing unit will permit wire vs. active-loop phasing, permitting reception of stations which would have been substantially nulled along with the 'pest' by simple loop-rotation nulling. Such stations could either be on the same (± 30 deg.) bearing as the pest station, or on the opposite bearing ((pest bearing + 180 deg.) ± 30 deg.).

In the MWDX-2 strategy, the loop takes the place of the Line 2 wire tuner when loop vs. wire phasing is to be done.

As mentioned previously in this article, the input tuners used for phasing should be of moderate, rather than high, Q. Most commercial & homebrew MW loops are designed to be high Q as this is what is desirable in normal stand-alone applications. A non-Q-spoiled loop CAN be phased against a wire, but null stability is 'less than spectacular'.

The DXer should modify the loop to be used by installing either a low-value (0 to 500 ohm, or less) pot in series with the loop coil or a large-value (e. g. 0 to 100K) pot across the loophead coil/ loop tuning capacitor parallel combination. If you opt for the large-value parallel pot, make sure that it has a switch so that at one position of the pot (usually CCW), the pot can be made to be an open circuit, allowing normal high-Q loop operation. Ensure that the installed Q-pot's shaft is tied to loop amplifier ground to prevent hand-capacitance detuning problems. A few loops come equipped with Q pots.

A vertical, of 30 m or greater length, phased against a good loop is an excellent low-angle DX antenna configuration for those with limited land and with high available supports. Such a setup, using a 40 m tall pine as a support for the vertical wire, sometimes surpassed phased Beverages for TR's at local sunset in tests done in Sudbury, MA in 1975 & 1976. Much can also be said for loop vs. Beverage (or longwire) phasing, especially when the wire is oriented for good pickup from a desired-DX target area.

2.1 Preliminary Setup

Power switch on loop to Off
Connect wire aerial (min. length 25 m) to J1 (Line 1 Wire In)
Connect grounding wire to J2 (Earth GND In)
Connect loop output cable to J3 (Line 2 Loop In)
NO CONNECTION TO J4
Connect output cable (to RX or amplifier) to
to either RF output jack J5 (BNC) or J6 (Motorola)

C1 (Line 1 Tune) will be adjusted in subsequent steps.
C2 (Line 2 Tune) NOT USED, position irrelevant
Set C3 (Null Vernier Cap.) to centre (half-meshed)
Set R1 (Line 1 Pot) to min. R / fully CCW
Set R2 (Line 2 Pot) to min. R / fully CCW
Set R3 (Null Vernier Pot) to min. R / fully CCW
Set S1 (Line 1 Freq. Range) to range called out in Figure 2
S2 (Line 2 Freq. Range) NOT USED, position irrelevant
Set S3 (Function Switch) to 1
Set S4 (Line 2 Input Switch) to Loop
Set S5 (Null Mode Switch) to B

2.2 Line 1 Tune

Adjust C1 for peak signal at frequency of interest.
If C1 produces maximum signal when fully open, set S1 one
position CW [next lowest inductor] & then peak-tune C1.
If C1 produces maximum signal when fully meshed, set S1 one
position CCW [next highest inductor] & then peak-tune C1.

2.3 Line 2 (Loop) Tune

Set S3 to 2. Set loop's Q-pot to maximum Q setting.
Physically orient loop to favour the general direction
of the desired DX station, even if such orientation would
also bring in 'pests'.

Turn loop power on.
Adjust the loop's tuning cap. for peak signal at frequency
of interest. Note the signal strength (on S-meter if
possible). Tweak loop's Q-pot to reduce signal level
about 6 to 12 dB.

2.4 Level Comparison

Set R3 to middle of its range.
Switch S3 back & forth between 1 & 2.
Note whether position 1 or 2 of S3 produces
a stronger signal from the dominant station to
be nulled.

2.5 Null (Line 1 Level greater than Line 2 Level)

If the station to be nulled is stronger with S3 on 1,
put S3 on Null & tweak R1 to get a 'dip' (point at
which moving the control either CW or CCW from the
dip position increases signal). Leave R1 at dip-
yielding position, or return to min. R / fully CCW
if no dip occurred.

Note C1 knob position. Tweak C1 for a dip.
Leave C1 at dip-yielding position, or return
to previous position if dip didn't occur.
In all probability, some nulling has been achieved; if so,
go to step 2.7, Null Finalisation.
If no dipping occurred; set S5 to A & re-iterate this step.

Using the MMDX-2 Phasing Unit [continued]

2.6 Null (2 Level greater than 1 Level, or no difference)

If the station to be nulled is stronger with S3 on 2, or if the difference in the Line 1 & Line 2 levels is insignificant, put S3 on Null & tweak R2 to get a 'dip'. Leave R2 at dip-yielding position, or return to min. R' fully CCW if no dip occurred.

Note loop tuning cap. knob position. Tweak loop cap. for a dip. Leave loop cap. at dip-yielding position, or return it to previous position if dip didn't occur.

In all probability, some nulling has been achieved; if so, go to step 2.7, Null Finalisation.

If no dipping occurred; set S5 to A & re-iterate this step.

2.7 Null Finalisation

Obtain as good a null as possible by successive fine adjustments of the loop's tuning cap., C1 of MMDX-2, the loop's Q-pot, and also of the MMDX-2 pot previously tweaked (R1 or R2).

Finish nulling by using the two null verniers: C3 & R3. (Play R3, then C3, then R3, then C3, etc.)

3.0 Amplification of MMDX-2 Phasing Unit Output

Often, especially with wires shorter than true Beverages, insufficient wanted-station signal remains after nulling a 'pest'. Several amplification schemes are possible.

For tunable amplifiers, MMDX-2 S3 can be initially switched to Pre-Tune (PT); the output amp. is tuned as if it were connected to a wire. After this is done, the amp. can be considered 'invisible' & can be left in the line while phasing proceeds from step 1.1 or 2.1. The same can be done with a broadband amp. having an input pot: with MMDX-2 S3 on PT, the pot is set to get the maximum signal at the frequency-of-interest, consistent with no spurious signals.

Alternately, the amplifier can be installed 'in-line' between phaser & receiver after phasing (by means of a direct MMDX-2 to RX connection) has been completed. Refer to the recent APT-2 article for ideas.

(END)

A REVIEW OF THE SONY AM-STEREO RECEIVER
MODEL SRF-A100
BY: ALBERT S. LOBEL
SAN DIEGO, CA

Recently my wife gave me one of those new Sony AM-Stereo receivers as a combination birthday and Hannukah present. I had been talking for some time about getting one. Unfortunately she could not make it a total surprise as she had to ask me for the model number so she'd know exactly what to get me.

I got the receiver on 6 DEC 83, my birthday. Since that time I had had time to use it and can now give my review on this new Sony AM-Stereo receiver and give my honest opinion of AM-Stereo.

The Sony AM-Stereo receiver is very small and compact. However do not let the small size fool you. This little receiver can really put out a lots of very good sound. Just try connecting it to a larger amplifier via a cord from the plug provided on the receiver; be sure to use a stereo cord. I did just that with mine the day after I got it and was really amazed at how good the sound was. Good quality sound is not the only thing that this receiver can give. It does real good at receiving all types of AM-Stereo broadcasts. The only drawback is that it will not receive the Kahn-Hazeltine system of AM-Stereo in the same manner as it receives all other types of stereo broadcasts. There is a slide switch provided on the left side to which you must place in either position "A" or position "B". Position "A" is used for the Harris, Magnavox and Motorola systems while position "B" is used for the Kahn-Hazeltine system. The only way to tell if you are not sure which system the particular station is using is by the quality of the AM-Stereo signal. There is no stereo indicator to tell you when you a receiving an AM-Stereo signal. The receiver does have a tuning indicator that shows when the station has been properly tuned in.

EASTERN DX ROUNDUP

Bob Lazar

11011 Becontree Lake Drive, #410
Reston VA 22090

Deadlines: Mondays 2/27, 3/5, 3/12, 3/19, 4/2, 4/16, 5/7

- 540 KWMT IA Fort Dodge, 2/2 1825 "Country 54." Very good, no CJSB, C&W mx & 1830 ads. (JH-PA)
- 550(WGR) NY Buffalo, 2/3 off the air or on OC 0100+. (NW-ON)
CHNO ON Sudbury, 2/3 spot for Records on Wheels, ID as "NO-55", T40, fair w/ WKRC 0110-0125. (NW-ON)
- 560 CJKL ON Kirkland Lake, 2/3 0126-0140 w/ T40 & several IDs, poor in WIND null w/ CHYM-570 slop. (NW-ON)
- 600 WVAR WV Richwood, 1/31 1728 s/off w/ NA. Good w/ QRM. (JH-PA)
- 610 WSLC VA Roanoke, 2/7 1937 fair w/ details on NASCAR racing and contest, fading. "WSLC 610, AM stereo." (JH-PA)
- 640 KFI CA Los Angeles, 1/26 0107 promo for "KFI/Yoplait Yogurt Ski California contest", T40 mx, fair w/ Cuban & CFTR slop. (NW-ON)
- 660 KSKY TX Dallas, 2/7 1858 no audible sign of WNBC, end of "Gospel Hour", ID "This is KSKY in Dallas, TX 6-6-0 on the radio," then another REL show. (JH-PA)
- 680 WCAW WV Charleston, 1/31 1728 "680 WCAW" w/ sports nx & radar wx. Strong w/ QRM. (JH-PA)
- 730 WFMW KY Madisonville, 2/7 1840 Fair OC (??-ed) WJMW, C&W mx. Are they still a 500 watt daytimer? (JH-PA) (Yes. Jim, the abbreviation OC means "open carrier", a stn on the air but not broadcasting any audio ... I don't believe that is what you mean here.--ed)
- WJMT WI Merrill, 2/3 1833 nx then and pop/C&W format, fairly strong. One ID (for //) "FM 93.5 WJMT." (JH-PA)
- KWOA MN Worthington, 2/3 1823 hard to get a hold of! Poor/fair w/ ads, ID then. Nice NW cx at SSS this freq. (JH-PA)
- WMNA VA Gretna, 1/31 1738 s/off then w/ "...proud to be in America...", inv to tune to sister WMNA FM 106. (JH-PA)
- 790 WAKY KY Louisville, 1/27 2205 in/out of mess. Fair w/ WTAR, "79 WAKY." (JH-PA)
- WEAQ WI Eau Claire, 1/28 0120-0127 w/ pop oldies by The Monkees and The Hollies, ID as "Always a great song on WEAQ". Poor w/ WTAR and CKSO in CKMW SP. (NW-ON)
- 870 WFLO VA Farmville, 1/27 1653 ID & C&W mx. Poor w/ CJBC slop, gone by 1655. (NW-ON)
- WGTL NC Kannapolis, 1/27 1701-1710 w/ features "The Bottom Line" and "Quest for the Gold", local spots including Holbrooks Radio & TV Service, ID and local wx. Poor w/ a lot of CJBC slop. (NW)
- 940 WNRG VA Grundy, 1/30 1730 s/off mentioning ownership by the "VA-KY Broadcasting, Inc.". Fair w/ CBM. (NW-ON)
- 990 WNOX TN Knoxville, 2/1 2218 this freq rarely clear due to KDKA and WTKN on either side, still heavy splash tho. C&W mx, "99 WNOX".(JH)
- 1250 CHWO ON Oakville, 1/30 0405 w/ oldie type CLA. Only hrd w/ WTAE SP. Good. (JH-PA)
- 1290 WVOW WV Logan, 2/4 0529 most likely s/on then because of full data on stn and opening statements, ment of FM WVOW 101.9. (JH-PA)
- 1370 WRTK NY Rochester, 2/2 1849 "Country magic" in slop. Ex-WSAY? (JH-PA) (yes.--ed)
- 1380 WAOK GA Atlanta, 2/6 2208 w/ R&R mx after ads. Fair w/ fading in slop. (JH-PA)
- CKLC ON Kingston, 1/29 1912 "The all new CKLC", weak signal constant behind mess. (JH-PA)
- 1440 WKLV VA Blackstone, 2/2 1743 s/off then, inv to tune to WBBC FM 93.5, ment owners, pwr, etc. Fair w/ heavy QRM. (JH-PA)
- 1450 WIIN NJ Atlantic City, 1/27 1625-1643 local nx and regional wx, CBS nx & ID at 1630. Fair in null of CHUC. (NW-ON)
- 1500 WLQV MI Detroit, 1/30 0100 fair w/ WTOP off (but has been logged since then w/ WTOP nulled.) S/off then w/ usual info. (JH-PA)
- 1510 CKOT ON Tillsonburg, 2/3 1746 good w/R&R mx, only audible for around 10 mins. QRM supplied by WMRE. (JH-PA)
- 1540 WMDO MD Wheaton, 2/1 1742 s/off then w/ woman in EE and man in SS. Fair. (JH-PA) (Note correct calls.--ed)
- WNIO OH Niles, 2/1 1800 s/off mentioning their address to write to. Poor w/ WPTR & KXEL. WABQ s/off seconds later. (NW-ON)

- 1550 KQWB ND West Fargo, 2/3 1815 "Stereo KQWB" w/ wx, rx, travel warnings. Good w/ nulled CBE (?). (JH-PA)
- 1560 WFSP WV Kingwood, 2/3 1740 w/ promo for upcoming Beatles show. Fair in WQXR null. (JH-PA)
- WPAD KY Paducah, 1/30 0300 only w/ WQXR off. Very faint early morn, better later, C&W mx. (JH-PA)
- WAGL SC Lancaster, 2/2 1810 s/off then w/WQXR nulled, C&W then short REL msg at end. (JH-PA) 1/30 1743 usual s/off amt played during "America", fair o/ WQXR. (NW-ON)
- 1570 WCLR AL Oneonta, 2/6 1829 s/off w/ slow Dixie. Fair. (WPT-DC)
- WTWB FL Auburndale, 2/6 1814 s/off by m w/ ment of xmtr loc. Fair. (WPT-DC)
- 1580 WPMP MS Pascagoula-Moss Point, 2/1 1845 tuned in just in time to hear "This is WPMP Pas/Moss", then nothing so probably s/off. QRM. (JH-PA)
- WSRF FL Fort Lauderdale, 1/30 0027 "Surf 16", ads at 0027, then lots of Beatles mx. U/ TTs of WLIM Patchogue. (JH-PA)
- WUIV NC Icard, 1/30 1801 s/off w/ NA. (JH-PA)
- WEYY AL Talladega, 2/1 1827 s/off, very faint at first but got a lot better after a few min. (JH-PA)
- 1590 WQQW CT Waterbury, 2/3 1759 fair ONLY u/ someone's carrier which was still on, died when carrier dropped. Only hrd "This is WQQW Waterbury." (JH-PA)
- 1600 WINX MD Rockville, 1/30 1938 jingle ID, ads. WWRL QRM. (JH-PA)
- WEUP AL Huntsville, 2/1 1823 promo and ads then. Poor-fair in slop. (JH-PA)

Eastern DXers

- JH - Jim Hall, 240 Byron Rd., Pittsburgh, PA 15237
(R-600, Juliette AM Stereo, 400' lw, 100' lw)
- WPT - Bill Townshend, 4500 Connecticut Ave. NW #901, Washington, DC 20008
(Realistic TRF, Sony ICF-S5W)
- NW - Niel Wolfish, 15 Donwoods Grove, Toronto, ON M4N 2X4
(PRG-7, SM-2)

oops, one more:

- 1580 WAMY MS Amory, 2/8 1829 s/off, very weak w/ deep het, almost undetectable. (JH-PA)

THE BEVERAGE ANTENNA

The following is from the Asian DX Review of the Indian DX Club International and based on notes by Sudipto Chose.

The Beverage is a very long wire antenna terminated at the far end from the receiver. It was developed in the early 'twenties by Dr. Harold C. Beverage, a New Zealander, hence it's names.

The terminating resistor cancels out the back lobe, thus eliminating interference from the rear directions, and making this a unidirectional antenna. The length of the Antenna wire must be not less than two wavelengths - this ensures a "sure fire" antenna,

Recent experience in India has shown that 500 metres (about 1640 ft) is the best length for worldwide MW dx. The value of the terminating resistor is 470 ohms 5 watts carbon type - if this proves difficult to obtain three 1500 ohm 2 watt carbon type resistors connected in parallel can be used. The wire used was 18 swg galvanised iron type. The height of the Antenna used was more than 3 metres, (about 10 ft.) Heights involved are usually 15 ft. or so. Keeping the antenna straight is an important point from the point of QRM.

The DX camp was built on a small hill top so all the L.W. antennas were slightly sloped with the portions of the wire that touched the poles or trees were insulated PVC sleeving or adhesive tape. The joints were made by using screw-on connectors or by soldering. The feeder used was made of PVC insulated copper wire. Although the antenna was used on a hilly area this does not mean that the antenna cannot be used on plains.

Since this is a very directional wire you must beam the antenna properly. The direction can be determined by the use of an azimuthal map. One of the antennas was directed at 60° with a view to logging Japanese MW stations, and there were many good catches with it.

CENTRAL DX ROUNDUP

Robert Kramer
6416 N. Richmond
Chicago, IL 60645

UNDEID, SPECIAL, CHANGES, et. al.

- 540 UnIDed 2/3 1131 prg, mostly mx w/Shelia Rogers- her last pgm before moving to Toronto, Choral mx from Toronto church. SFS-WI (Sounds like CBK, ed.)
- 660 CFFR AB CALGARY, 0839 1/15 rck, TC, ad, IDs "66 CFFR" or "66 CFR" fairly common at SSS u/o WNBC, gone nights. GS-MN, 1/18 0245-0300 w/rck mx "66 CFR" slogans, request line #. NZ-NE
- 1030 KFSM MO BLUE SPRINGS, 2/6 new daytime regular w/C&W & contemp. mx, "Suburban 1030 Radio" slogans, Wood Stove Recipes 1543-1600. NZ-NE
- 1390 KBXT MN DULUTH, 2/1 signed on w/oldies format, numerous K-Best slogans, ex-KAOH & WNLT. Been off the air for some time. Believe they are 500w daytimer, fair signal here 100 miles from Duluth. PAL-MN
- All da Rest
- 516 "YMA" ON PETAWAWA, nondirectional beacon 2/3 2327 SFS-WI
- 521 "DWH" TX HUTSMITH, 2/5 2354 poor w/CW IDs, aerobeacon. RK-IL
- 524 "AJG" IL MT. CARMEL, 2/3 2329. SFS-WI (Steve, note the correct frequency, ed.)
- "UOC" IA IOWA CITY, 2/3 2328. SFS-WI
- "HRD" TX KOUNTZE, 2/6 0010 fair in "UOC" & "AJG" nulls w/CW IDs. RK-IL
- 530 "NB" ON NORTH BAY, 2/3 2330. SFS-WI
- 550 KRAI CO CRAIG, 1900 2/3 ID "55 Country is KRAI Craig, CO", good o/QRM. GS-MN
- 590 KLBJ TX AUSTIN, 1908 2/5 ment. TX, Austin temp. fair-poor in buzz & WOW QRM. GS-MN
- 600 KIIX CO FT. COLLINS, 1926 2/3 nx, gave Ft. Collins temp., fair thru WMT/KSJB. GS-MN
- WBDN MI ESCANABA, 2/4 1300 poor o/u KSJB w/C&W mx. PAL-MN
- 610 KVNU UT LOGAN, 1805 2/3 nx of UT by female anc'r o/WIP w/WDAF nulled, then world nx, wx, ad, sports, GS-MN
- 630 KSLR TX SAN ANTONIO, 2/6 0056 good o/KXOK w/Rel & s/off, ex-KMAC. RK-IL (Sorry, this should have been in the special section, ed.)
- CKRC MB WINNIPEG, 2/2 1513 poor TC into C&W mx. PAL-MN
- 730 WJMT WI MERRILL, 2/2 1523 good w/spots, PAL-MN
- 750 WHEB NH PORTSMOUTH, 2/3 1800 poor w/legal ID in WSB null, WJR splash. State # 40.//
- 910 WKXZ SC NORTH CHARLESTON, 1/23 0623 good w/CNN & lcl nx, several IDs. RG-IL
- 960 WFR VA ROANOKE, 2/5 0232 fair w/ID then Larry King. PAL-MN
- 980 KFRD TX ROSENBERG, 2/7 1915 fair w/s/off in SS. RK-IL
- 1030 WBDX? TN WHITE BLUFF, 2/4 1815 good for short time w/University of TN basketball & spot for TN Ford dealers, never did hear ID before fading. PAL-MN (Sounds like WBDX to me, ed.)
- 1060 KIMO CO LONGMONT, 1/31 1800 good w/ID & ABC nx. PAL-MN
- KGFX SD PIERRE, 1/31 1746 fair w/ment. of Black Hills Stock Show, lcl spots, promo for basketball, C&W mx, PAL-MN
- 1070 WIBC IN INDIANAPOLIS, 1/31 1730 blowing away WISQ w/lcl spots & nx. PAL-MN
- KFDI KS WICHITA, 2/4 1804 o/WDIA w/lcl spot & spot. PAL-MN
- WKOK PA SUNBURY, 2/4 1733 fair w/rck or R&B mx, ID as "1070 WKOK" into more rck mx. PAL-MN
- WDIA TN MEMPHIS, 2/4 1800 fair w/ID & rck mx. PAL-MN
- 1080 WOAP MI OWOSSO, 0800 1/12 lcl nx good o/QRM. GS-MN
- 1090 WBAL MD BALTIMORE, 2/3 1733 good w/lcl & state nx, ID. PAL-MN
- KEKS? MO EXCELSIOR SPRINGS, 1/31 poor w/spots for firms in Kansas City & Independence. Not sure about this one. 1810 time. PAL-MN (Paul, this would be KEKS, Excelsior Springs is a Kansas City suburb, ed.)
- 1130 KWKH LA SHREVEPORT, 2/4 0922 good w/C&W mx o/WDCY/WISN/WCKI mess. PAL-MN
- WCXI MI DETROIT, 2/3 1650 wiping out WDCY/WISN w/lcl spot, wx & phone request for C&W mx. PAL-MN
- 1170 WAMB TN DONNELSON, 2/2 1730 fair w/Big Band mx, spots & stock market rpt. PAL-MN
- 1220 WISD VA BIG STONE GAP, 0600 1/15 s/on atop freq. GS-MN
- 1230 WBLJ CA DALTON, 0258 2/6 old rck or MoR, jingle ID, good o/QRM in KYSM null. GS-MN
- WKIK MN CLOQUET, 2/2 1527 poor u/CJLB w/lcl spots & ID. PAL-MN
- CJLB ON THUNDER BAY, 2/2 1527 fair w/MoR mx & lcl spots o/WKIK. PAL-MN
- 1240 WMFG MN HIBBING, 2/2 1530 ID "Where You Hear the Most Music", poor. PAL-MN
- KTAM TX BRYAN, 0240 2/6 rck, ID "Central TX 1st AM Stereo", very good, almost no QRM, likely NSP now. GS-MN (This explains why the TX aerobeacons were in this AM, ed.)
- 1300 KFLO IA SHREVEPORT, 1900 2/5 s/off fair u/KGIO. GS-MN
- 1310 WMFL IN INDIANAPOLIS, 2/4 1701 blasting in w/NBC nx, ID then MOYL. PAL-MN
- WDXI TN JACKSON, 2/2 1712 fair w/FSA, ID, into C&W mx. PAL-MN
- WBAW WI MADISON, 1/16 0436 good w/Jazz mx, ID, CBS nx. RG-IL
- 1320 WRJW MS POCAYUNE, 1845 2/5 simple brief ID then instr. SSB good o/QRM & buzz. GS-MN

1370 WGNW WI SUSEX, 0751 1/21 CNN sports, briefly atop. GS-MN
 1400 WCCY WI HOUGHTON, 2/2 1510 poor u/WATW w/C&W mx & lcl spots. PAL-MN
 WATW MI ASHLAND, 2/2 1510 fair on top of WCCY w/MoR mx & lcl spots. PAL-MN
 1440 WRRO OH WARREN, 1/29 w/contemp. mx, female DJ, national ads, sports nx, 0230
 w/good signal. NZ-NE
 1450 WWIV IA NEW ORLEANS, 0220 2/6 MoR, ad, ID, strong o/QRM. GS-MN
 WEIL MN ELY, 2/4 1207 good w/American Country Countdown. PAL-MN
 1470 WMPP IL CHICAGO HEIGHTS, 1/23 0225 w/Black Gospel mx & tlk, "All Gospel Radio 24
 hours a day" slogans, good signal. NZ-NE
 KTDL IA FARMERVILLE, 1900 2/7 brief Dixie then s/off ancmt, fair o/QRM. GS-MN
 1490 WJFL MS VICKSBURG, 0210 2/6 rck & ID "Thanks for listening to the best music on
 15-JFL", strong way o/QRM. NSP ? GS-MN
 1510 KDKO CO LITTLETON, 2/4 1015 good w/rck mx & spot for a concert. PAL-MN
 1570 KBRI AR BRINKLEY, 1900 2/7 s/off seconds after lcl KUXL, fair o/QRM. GS-MN
 1580 WSRF FL FT. LAUDERDALE, 0101 1/30 rck oldies, nx, ads, "Surf 15" IDs, S9+15, so
 suspect day pattern, o/TT. GS-MN
 XDOM MN WINDOM, 1/31 1600 poor w/lcl spots & ID. PAL-MN
 WLIM NY PATCHOGUE, 0205 1/30 ID on ET, good o/TT (CBJ?). GS-MN, 1/30 0203 on ET w/
 several rck oldies mx & Big Band mx, several IDs, fair signal. NZ-NE /GS-MN
 WVKO OH COLUMBUS, 0103 1/16 ID on ET, nothing else hrd so maybe on OC, fair o/QRM./

Till Next Week:

RG... Rob Gerardi 1421 N. Franklin #7 Benton, IL 62812
 (RF-2200)

RK... Somebody Else

(R-1000, HQ-140X, HQ-129X, Radio West Loop, Kowalski Loop, spiral loop)

TN... Tim Noonan 7454 West Thurston Circle Milwaukee, WI 53218

(SW-4A)

SRS... Steve Schreiter 104 Brookdale Dr. South Milwaukee, WI 53172

(TRF, Intensitronics Loop)

Steve, welcome to the column, please report in Eastern time using the 24 hour clock & put your initials on all loggings.

Tim Noonan sends word that WGNW-1370 has not gone fulltime yet. He also says that WGSZ-1170 just changed back to WLKE.

Word out of Chicago is that WCFL's pending sale is now held up. A couple of area residents filed a lawsuit challenging Mutual's fitness for a radio license. This allegation stems from the conviction of Amway (Mutual's parent company) for defrauding the Canadian government. According to the Chicago Tribune, the ownership of WCFL could be up in the air for years. Also, it is unknown just what is going to be done with the station now that the sale is held up. Reports said that the air staff was told that they had to sell a certain amount of airtime or would be let go. Wouldn't it be great if WCFL went off for awhile ?

You would think that a receiver capable of receiving AM-Stereo would be a poor receiver when it come to sensitivity and selectivity. This is not so with the Sony AM-Stereo receiver. There are two slide switches provided on the top. One adjusts the bandwidth for normal reception and for stereo reception, the other changes between the normal monoraal AM mode, the AM-Stereo mode and FM-Stereo; yes, it also receives FM-Stereo. No FM SCA mode. This DX'er may soon remedy that. A look inside shows that there may be sufficient space to put another small circuit board to decode FM SCA signals. I enjoy hearing those exotic signals the FCC doesn't want you to hear. By putting the bandwidth selector switch in the normal position the receiver becomes more sensitive and selective. It also helps to tune in the station regardless of whether it is AM-Stereo by using the normal bandwidth position with the mode selector set to monoraal AM reception. If you want to find if you are tuned to an AM-Stereo station you can then set the bandwidth switch to the wide position and the band selector to the AM-Stereo position. If you are tuned to AM-Stereo you should hear a stereo signal when the system you are tuned to corresponds with the position set by the stereo type selector switch on the side.

Other features include a tone control, separate on/off switch, AC-power plug (no AC-power cord is provided but is available from Sony or from your local dealer) and a carry strap which can be used in several positions. The receiver of course has two speakers for true stereo by itself or with another external amplifier via the plug provided on the side which can also double as an earphone jack. Infact an earphone jack is what it marked as.

The Sony AM-Stereo Receiver (Model SRF-A100) is a good receiver for the DX'er who likes to hear those new AM-Stereo signals. It can also be a good buy as a small compact FM DX receiver.

WESTERN DX ROUNDUP

Nancy Hardy
2301 Pacific Avenue
Aberdeen, WA 98520

All times are
Eastern Local

Phone for hot WDXR tips: (206)532-6827 till 10pm(PLT)

DEADLINES: Tuesdays 2/28, 3/6, 3/13 (Anniv. Issue), 3/20, 4/3, 4/17, 5/8

REPORTERS FOR THIS ISSUE:

(AD) Alan Davidson-8121 E. Balfour Dr.-Tucson, AZ 85710

GE 7-2950

(EH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520

FRG-7, SM-1

(JH) Jim Hilliker-1502 E. Hedgewood Ave.-Anaheim, CA 92805

Kenwood R-1000, Radio West loop

(PT) Pete Taylor-2614 Jackson Street-San Francisco, CA 94115

Radio Shack Patrolman SW-60

(RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118

GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

700 KGRV OR, Winston 2/14 1120 nice ID, PSA about forgotten veterans, "Happy Valentine's Day," back to religious-pop mx (contemp. Christian). Fairly good sig. ID & into "Back to the Bible" 1130. Sounds like RS! Was not on RS 2/13 1030. (BH-WA)

540 KVIP CA, Redding 2/3 2130-2200 noted way past s/off (normal Time) w/ preacher. Well past 6pm PSSA cutoff time as well, if they have one. Promptly off at 2159. Probably forgot to turn off AM only. (RW-CA)

650 WSM TN, Nashville 2/7 0119 good o/KFI-640 slop w/ads, MCN wx 0121, Music Country Network & WSM ID 0122. Not common here. (AD-AZ)

660 CFFR AB, Calgary not exactly a powerhouse, but definitely noted as "66-CFR" 1/27 0212. (PT-CA)

840 WHAS KY, Louisville 2/7 0105 xlnt, near local-like w/end of CBS nx, local nx 0106, wx 0108, ID 0109, into Beach Boys song. (AD-AZ)

850 KHLO HI, Hilo 2/3 0500 good o/u KOA w/s/off, this is becoming my most common HI! (RW-CA)

KTAC WA, Tacoma 1/31 0453 blasting in w/ID in KOA null. Their've been coming in strong here of late, did they change their DA pattern? (RW-CA)

940 (KPRE) CA, Fresno 2/6 0437 noted totally off. (RW-CA)

?WIPR? PR, San Juan 2/6 0502 poss. the one w/SS. Hrd several ments of "San Juan," but faded out very quickly u/KIOA, KIXZ, KNST in CJIB null. More likely was just XEQ poss. doing nx on things happening in Puerto Rico. WIPR's DA doesn't favor this way at all, protecting WINZ. (RW-CA)

950 KIMN CO, Denver 2/7 0035 good w/pop mx, ID "AM 95 KIMN." (AD-AZ)

960 KALE WA, Richland-Kennewick-Pasco 2/3 0102 this hrd while looking for KGIR f/c which wasn't hrd! Ment of NBA scores, beautiful ID "...10:12 here at 96, KALE," into rr. Wonder if they upped their power? Good in KABL null briefly, nearly nulling WA! New. (RW-CA)

1010 KCHJ CA, Delano on top w/old EZL/MOR 1/31 2145, KXEG under, but no sign of Canada. Aurora? (PT-CA)

1110 *KRLA* CA, Pasadena 2/6 0553 w/TT. (RW-CA)

1140 (KRAK) CA, Sacramento 2/1 0240 totally off, was also off prior night. Signal sounded weak when they came back on, poss. xmtr difficulties. (RW-CA)

1190 KEZY CA, Anaheim 2/6 0956-1000 fair o/KNEA/KEX w/heavily British-accented OM reading wx, nx, ID, then lost. They changed calls to KEZY-AM back on 2/2/84 per SMM. Call change, ex-KNWX. (RW-CA)

1210 KGYN OK, Guymon on top of the heap briefly 1/31 2115 w/a lawyer oriented PSA presented by the Okla. Bar Assoc. (PT-CA)

KCLG UT, Washington 2/7 0145 good but fadey w/C&W mx, ment. of Ralph Emery Show, ID 0147. (AD-AZ)

KREW/KASY WA, Sunnyside/Auburn both w/BKB 2/1 0015, w/KCLG an occasional 3rd. (PT-CA)

1230 KLAZ NV, Las Vegas 2/7 0335 fair w/pop mx, ment. of "here on KLAZ." Haven't hrd in a while. (AD-AZ)

1270 KCOK CA, Tulare-Visalia 2/7 0330 fair on quick fade-up w/ID "This is K-C-O-K," prob. into Mutual nx. New. (AD-AZ)

- 1270 KSSA TX, Ft. Worth 2/7 0332 xInt w/SS record ad, many (at least 10) "Radio Variedades" IDs, then into SS soft mx 0334. (AD)
- 1320 KAWC AZ, Yuma 2/4 2000 classical mx, ID, poor in KGNR null. (JH)
- 1350 WSMB LA, New Orleans 2/6 0326 good o/KIDN-KRLC w/teletalk show about Louisiana Superdome. (RW-CA)
- 1370 (KEEN) CA, San Jose 2/1 0430 totally off. (RW-CA)
- 1390 KCEY CA, Turlock 2/4 2108 end of nx, local wx, ID. Very strong in KGER null. (JH-CA)
- 1420 KMOG AZ, Payson 2/5 0921 some splatter from KALI-1430, but strong on SSS today & 2/11. End of wx "This local & regional weather report has been brought to you by your country radio station, K-M-O-G, 14-20 on your radio dial." Local spot for cam-ground "north of Paysan on Route 87." C&W mx. Verie from GM Hayes Stewart states they are presently daytime only, 2500 watts. Soon to be 500 watts directional at night. Will operate 6am-midnight. C&W til 5:30pm, Big Bands and oldies til s/off. Network is ABC Information. (JH-CA)
- 1440 KUHL CA, Santa Maria 2/4 0318 in KPRO null, noted w/ABC Tal.net. (JH-CA)
- 1450 *KDAP* AZ, Douglas 2/5 0745-0801 reg. f/c, 1st Su morning, poor to fair w/TTs, IDs every minute or so "This is K-D-A-P, Douglas, Arizona testing, KDAP, Douglas Arizona, testing." Sometimes in the mess, other times right on top. At 0801 another anncr ended test w/ID, owner, power, etc. (like a s/off). New. Have all 4 AZ stns on 1450, and KDAP is AZ #51. (JH-CA)
- 1490 *KYCA* AZ, Prescott 2/4 0222-0227 caught end of reg. 1st Sa morning f/c. Good w/TTs & lots of IDs. (JH-CA)
- 1530 ?KGBT? TX, Harlingen 2/6 0748-0800 tent. w/SS o/u another unID SS (prob. XEUR). Ment of "cinco grados" (5 deg. C), later on unID ad w/ment of "7-5-3" in SS, poss. part of phone no. or zip code. These are the first 3 digets of KCLR's zip, and KCLR listed in BYB as C&W and SS format, so poss. KCLR rather than KGBT. Wiped out by KFEK s/on 0800. KGTN also listed carrying SS. KNBO & KAWS don't, no other logical Mexicans or LA's this late. (RW-CA)
- 1590 KMTI UT, Manti 2/11 0930 ment auction for cattle, sheep, etc. in the S.-Central Utah area. "7:30 from K-M-T-I, Community Bulletin Board is next." Local ads. Good to fair in KBBQ null w/some KDAY-1580 splatter. (JH-CA)
- 1622 KFX-967 CA, Big Bear Lake verie from CE at KBBV, Vern Thompson says power is 75 watts loaded to a 210' tower, if anyone cares. (JH-CA)

February f/c's heard:

1st Su 0745-0801 KDAP-1450 AZ (JH-CA)
 1st MM 0245-0300 KGHL--790 MT (RW-CA)
 0300-0315 KQIK-1230 OR (RW-CA)
 1st Sa 0222-0227 KYCA-1490 AZ (JH-CA)

UNIDs:

940 2/6 0516 faded up in mess w/ID as "...here at AM ninety-four," then lost u/mess. Looped east. WMIX listed carrying this slogan. Other possibilities? (RW-CA) (KDEO-Hawaii.--NH)

1130 2/7 0339 fair w/Talknet in tight KWKH null, lost a few minutes later. (AD-AZ)

1230 OR? S/off 0301 1/27 definitely mentioning Ashland; nothing listed. (PT-CA) (Sounds like KDOV, ex-1350.--NH)

Remember, deadline for the Anniversary Issue is Tuesday, March 13! ♥

OBX4A
 Callao, Peru
 (1 kw.)



670 A.M. - 91.9 F.M. Stereo

La estación

DX WORLDWIDE EAST

DXWW East Temporary Editor:

Donald Erickson, 6059 Essex St., Riverside, CA 92504
 New Deadline: Saturdays, 14 days before issue date. Phone: (714) 687-5910.

Pan American DX Roundup

- 524 unIDed beacon "DWB" 1/18 0740; anybody ID this? (DM-Hond)
 650 Honduras San Pedro Sula HRVW La Voz de Centro America 1/25 0200.
 SS w/pop mx, male anncr w/freq anncmts; covered WSM; 1st time hrd. (CG-TX)
 670 Cuba 0233-0248 // 690 w/SS talk by man, pr u/WMAQ & 680 splatter. (NW-Ont)
 720 Cuba Colon CMGN 1/13 0625; weak, hrd briefly, gone 0630. (NW-MA)
 835-t-Ecuador? 1/22 0707 SS talk w/reverb o/possible 2nd stn. (MC-MA)
 870 Argentina Buenos Aires 1/25 0605 lovely guitar solo, fair. (GH-NY)
 880 Peru Radio Union 1/23 0910-0932 Andean mx, "Buenos Dias Peru" pgm, ID 0931.
 CH #33, fair w/WCBS. (Moore, Santa Barbara, Honduras)
 895-t-Colombia Santa Marta HJPM 0447-0502 w/LA mx & SS talk, fair. (NW-Ont)
 1100 Colombia Bogota HJCN 1/23 0740-0827 fair w/WWWE.
 Several "Nacional" IDs. (RG-IL)
 1362***Mexico Tuxtla Gutierrez XEUD lately noted drifting here. 0600 s/off IDs
 as "UD Canal 136"; ranchera & pop mx. Strong; a good chance to hear Chiapas
 state up north. (Moore-Honduras)

Trans Atlantic DX Roundup

- 549 Algeria Oran 1/12 0427 fair w/AA chant. (MC-MA)
 576 Algeria Bechar 1/12 0430 poor w/AA chanting //549. (MC-MA)
 585 Spain Madrid 1/19 2341 SS talk by M&W; fair. (GH-NY)
 666 Portugal Lisboa 1/22 0039 w/alternating m&w PP announcers,
 with brief musical excerpts. Good sig. (Herkimer-NY)
 684 Spain Sevilla 1/19 0056 old pop tune "Down Mexico Way" - SS talk. (GH-NY)
 693 England Droitwich 1/15 0439 EZL mx - EE talk (P-F). (GH-NY)
 738 Spain Barcelona 1/18 0219 w/lush SS ballads & male anncr, fr-gd. (JH-NY)
 765 Senegal Dakar 1/22 0716; loudest TA, pinning S-meter &
 heavily QRMing 760 & 770. Talking & singing, accompanied by ukelele-like
 plucked-string instrument. (Connelly, Cape Cod, MA)
 1/14 2212 man in vernacular lang; exc. (GH-NY)
 1/21 0054 hrd briefly w/flutes, drums, & man in vern; anthem & s/off 0103.
 Good sig. (Herkimer-NY)
 773.6 unIDed 1/22 0717; het against Spain, too late for Egypt, so probably
 Algeria or other west African. (Connelly-MA)
 774 Spain synchronos 1/14 0258 SS pop mx, SS talk. Good. (GH-NY)
 1/12 0442 rock music, fair. (Connelly-MA)
 783 Portugal Porte Miramar 1/21 2343 w/PP songs & woman anncr.
 Faded by 0000, fair sig. (JH-NY) 1/13 2324 Flamenco mx, PP talk, gd. (GH-NY)
 783 unIDed 1/22 0718 female vocal, poor; either Portugal or E. Germ. (MC-MA)
 837 Canary Islands Las Palmas 1/22 0706 SS talk & operatic
 vocal, poor. Hets from (presumed) Azores-836 & an unID stn on 837.2 (MC-MA)
 855 Spain Murcia 1/22 0702 fair w/SS talk by man;
 accompanied by background het from Peru-854, (Connelly-MA)
 882 Canary Islands 1/22 0657 woman in SS, loud, atop growl. (MA-MA)
 891 Algeria Algiers 1/19 2140 AA vocals by m, exc. (GH-NY)
 1/22 0655 loud w/vigorous AA violin mx, then man in AA. (MC-MA)
 909 England BBC synchronos 1/15 0102 EE talk, fair. (GH-NY)
 945 France Toulouse 1/19 2226 FF talk, fair. (GH-NY)

- 981-t-Algeria? 1/22 0650 bits of possibly AA mx,
much CKGM/WCAP/WTRY/WRC slop. (Mark Connelly-MA)
- 1053 England BBC synchros 1/22 0630 fair/gd w/DJ patter, talk about Scotland,
rock // 1089; in moderate WHN slop (mostly phased out). (MC-MA)
- 1062 Portugal Azurara 1/14 0421 disco mx, PP talk, good. (GH-NY)
1/22 0627 noted in passing w/PP vocal by Neil Diamond sounding singer. (MC-MA)
- 1071-t-France? or maybe a choice African - 1/22 0632, possible
FF vocal, garbled by powerhouse YV/HJ hodgepodge on 1070. (MC-MA)
- 1089 England Orfordness BBC 1/22 0624 good even in wide rx selectivity
(as phasing out WBAL was a piece of cake, leaving only the YV/HJ het as QRM).
British EE announcer, then rock mx. (Connelly, Cape Cod, MA)
- 1206 France Bordeaux 1/19 2226 FF talk by male, good. (GH-NY)
1/22 0609 fair w/classical piano mx. (Connelly-MA)
- 1242-t-France Marseille 1/24 0440-0444 presumed w/man talking in FF, poor. (DM-Hond)
- 1314 Norway Kvitsoy 1/15 0010 EE Q&A pgm local-like. IDs as "R. Norway".
Nice to listen to a TA in English; seems like they are in EE
0000-0030 UTC Mondays (U.S. Sundays), exc. (George Hakiel, NY)
1/17 0620 exc/loud w/classical mx program. (MC-MA)
- 1395 Albania Lushnje 1/15 2307 Slav talk by W, good. (GH-NY)
noted in GG 1/24 0510-0513 w/M talking & 0526-0530 w/ s/off anthem
as heard on SW; fair to poor. (Moore-Hond)
- 1467 Monaco TWR 1/24 0426-0430 music box IS, GG ID, fair sig. (DM-Hond)
1/18 2227 w/"Back to the Bible" in EE, produced by the Good News Broadcasting
Corp., very strong sig. (JH-NY) 1/18 2233 rel pgm in EE, fair. (GH-NY)
- 1476 Austria Wien 1/4 0604 good w/man in GG. (MC-MA)
- 1512 Belgium Wolverton 1/24 0603-0607 fair-good in Flemish w/vocal mx.
Man talking, def ID, strong. CH #34 here. (Don Moore-Honduras)
- 1539 West Germany Mainflingen 1/24 0453-0501 fair
w/ male talking, instr mx, pips into news. (Don Moore, Santa Barbara, Hond.)
- 1557 France Nice 1/15 0621 FF talk, fair-good. (GH-NY)
- 1566 Tunisia Sfax 1/4 0555 fair w/male AA chant. (MC-MA)
West Germany Langenberg 1/4 0556 Muzak; like a local. + 1/22 0549 march mx,
destroying 1590. (MC-MA) 1/13 0334 pop mx, GG talk, good. (GH-NY)
1/24 0555-0600 good w/W talk, instr mx, male ID, pips, into nx. (DM-Hond)

Week's Contributors

(MC-MA) Mark Connelly - 7 Trowbridge Path - West Yarmouth, MA 02673
RX = HQ-180A Ant's = two 37 m wires phased with MWDX-2

(CG-TX) Charles George - 6407 Howard - Dallas, TX 75227
RX: RF-2600 Ant: 30 foot wire & SM-2

(RG-IL) Rob Gerardi - 1421 N. Franklin, Apt. 7 - Benton, IL 62812
Icom R-70 Ant: Sloper for 160 meters

(GH-NY) George Hakiel - 739 Van Buren Ave. - West Islip, NY 11795
Drake R-7A, Icom R-70, LW's, Loops, Phasing Unit

(JGH-NY) James G. Herkimer - 3255 South Drive - Caledonia, NY 14423
R-390-A receiver, 4 foot altazimuth loop

(DM-Hond) Don Moore - Apartado #3, Santa Barbara, SB, Honduras
FRG-7 w/Collins 2.9 kHz mech filter & Radio West Loop

(NW-Ont) Niel Wolfish - Dunedin, Ontario, CANADA
Forwarded by Neil Kazaross

(WW-MA) William Wyllie - 95 Peck Street - Franklin, MA 02038
Realistic Astronaut 8, built-in antenna

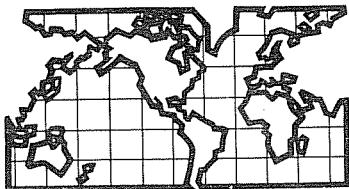
An interesting point is that when more than one Beverage is in use, as on the Indian Expedition, then a coaxial cable lead should be used to avoid interference between the two antennas.

Quote ex WIRTH - "No radio is better than its antenna"

Actual lengths of wires used were 200 m, at 0° (North Pole), 170 m at 60°N (towards Japan) and another of 200 m pointing towards 112° (Port Moresby, PNG).

In the USA there are Beverages in length up to 6600 ft.

The problem, as far as we can see in the UK is that of SPACE, but make no mistake, the Beverage is a very efficient antenna.



DX WORLDWIDE - WEST

Pat Martin - Editor

P.O. Box 843, Seaside, Oregon 97138

(503) 861-3185 - deadline Tuesday.

We only have a short column for you this time. Not too much going on, so on with reports:

PAN-AMERICAN DX ROUNDUP

- 660 t MEXICO, Mexico DF, XERPM 2/7 at 0610 vy weak o/het w/soft SS mx, SS DJs talk at 0613, too weak to understand, lost 0618. XERPM still needed here. (AD-Az)
- 950 MEXICO, Nueva Rosita-XYEJ 2/7 at 0533 xlet w/DJ talk, SS mx, full ID given after every song, slight KIMN QRM. (AD-Az)
- 970 MEXICO, Cd. Juarez-XEJ 2/7 at 0600, fair w/ID by YL, s/off 0601 w/ Mex. anthem. I thought they were NSP. (AD-Az)
- 1040 COLOMBIA, Barranquilla-HJAI-2/6 at 0258 w/many Caracol mentions, into "Noticias" at 0259, strong w/no sign of anyone else. (NH-Wa)
- 1270 UNID, KSSA-Ft. Worth, Texas, ex. KFJZ most likely is Chris Knights' unid in #674 DXWW-West, now SS format using "Radio Variedades" slogans. (AD-Az) (Thx for the help on this one. PM)

TRANS-PACIFIC DX ROUNDUP

- 620 HAWAII, Hilo-KIPA, hrd very well o/KGW at 1400 w/Filipino pgm, on 2/14. Strongest Hawaiian I have ever hrd, was surprised. (DW-Or)
- 945 SOLOMON ISLANDS, Gizo-vy good w/OM in Pidgen and EE, in passing at 0845 on 2/13. Have hrd this one more often than 1035 KHZ lately. (PM-Or)
- 940 HAWAII, Waipahu-KDEO 2/16 from 0913-0915, fair w/deep fades, KFRE off for the first time in ages, CJIB nulled. C&W mx, promos for syndicated shows on "K-Dee-Oh, Country Radio, A-M-94. Much stronger at 1000 w/C&W full legal ID, same slogans, back to C&W. New. logged by KAHU years ago, before KFRE went NSP. (BH+NH-Wa)
- 1110 HAWAII, Kihei-KHEI 2/6 at 1600 ending Inst. mx, legal ID, into "6:00 News Report" Poor, barely made out ID, but no doubt its Hawaii, because of Time Zone, loop bearing general good cx toward Hawaii this morning, and daylight to all points East of here. KPIP nulled, no sign of KBND-Bend (BH+NH-Wa)
- 1188 WALLIS ISLAND-FR3, here very poor w/KEX slop, OM in FF and light Jazz tunes at 0830 on 2/13. Unneeded, but nice to hear. (PM-Or)

THANKS TO THESE REPORTERS:

- AD-Az Alan Davidson-8121 East Balfour Drive-Tucson, Arizona 85710
- BH+NH-Wa Bill and Nancy Hardy-2301 Pacific Avenue-Aberdeen, Washington 98520
- FRG-7, SM-1 (DXing at Ocean City State Park, Wa.)
- DW-Or Dave Williams-Hyw 101-Box 615-Astoria, Oregon 97103
- SPR-4, Loops, longwire (H-S)
- PH-Or Yer Editor
- SP-6003X, Terminated 200 foot NE LW, (2) 1500' East Beverages, Ground.

Birds Win Out Over San Jose Radio Towers

Birds in the South Bay won a major victory last night at a San Jose Planning Commission hearing where wildlife supporters were at odds with a radio station over its proposed site for four transmitting towers.

On a 6-to-0 vote, with one abstention, the commission took sides with the birds and denied radio station KNTA a permit to build the four towers on a marshland site, which is next to the Alviso Marina on the edge of the San Francisco Bay National Wildlife Refuge.

Environmental groups, includ-

ing the Audubon Society, which said the towers and wires would be in the direct flight path of migrating birds and could kill more than 10,000 of them each year. An environmental impact report on the proposed site supported the society's conclusion.

The 18,000-acre wildlife refuge next to the Alviso site is home to many waterfowl and shorebirds, including ducks, loons, egrets, great blue herons and the endangered California clapper rail.

The commission, however, unanimously granted the station a one-year temporary permit to build

one tower on a 21-acre Flea Market site at Berryessa Road and Cornish Lane.

The radio station, California's only 24-hour Spanish AM station, had been feverishly trying to find a site to erect its four 182-foot towers. The station now has its towers in North San Jose, but an industrial park is seriously impairing the 1000-watt station's ability to reach its audience, which stretches from South San Francisco to Gilroy, its owners say.

The station told that antenna site so it could to buy the bayside parcel.

Before that, the station wanted to move to San Jose's Eastridge area but was turned down by the Federal Aviation Administration, which said the towers would interfere with the operation of Reid-Hillview airport. It was twice rebuffed in attempts to build towers near the San Jose sewage treatment plant because the plant's director said the land might be needed for evaporation ponds.

No opposition was made last night to the new building site, which is about eight miles east of the Alviso site. The one 180-foot tower will be erected on about two acres of land.



NATIONAL RADIO CLUB, INC.

PUBLICATIONS

BEVERAGE AND LONGWIRE ANTENNAS - DESIGN & THEORY

This reference book is a compilation of articles and reprints that have been printed in *DX NEWS* over the years and concern the theories and construction of the Beverage and Longwire antennas.

If you have ever put up a Beverage or are thinking of putting one up and you want to know how it works, this book is for you.

It is recommended that you also have the NRC **REFERENCE MANUALS** Volumes 1 and 2, with all their available, you will have all the articles necessary concerning the Beverage and Longwire antennas. This booklet does not contain any of the material found in Volume 1 or 2 of the NRC **REFERENCE MANUALS**.

CONTENTS:

- Analysis of the Beverage Antenna 1
- Part 1 - Basic Theory of Beverage Antennas 1
- Part 2 - Two Wire Phased Antennas 21
- Measurement Longwire Results from Leith, Canada, The Super Signal Switcher Article 28
- Articles in the Super Signal Switcher Article 28
- The Florida Beverage 32
- The Car and Loading of the Loop Antenna or "Load Resistor Don't Always Come in Cans" 43
- A Loop of a Beverage from the other side of the world. "Cable News 1988" 48

Notes 51

© 1983 by Michael G. Wallace National Radio Club, Inc., for the National Radio Club, Inc., P.O. Box 164, Mannsville, Wisconsin 53221

52 PACKED PAGES

BEVERAGE AND LONGWIRE ANTENNAS - DESIGN AND THEORY

THIS MANUAL IS A COMPILATION OF NUMEROUS ARTICLES ON THE SUBJECT OF DESIGN AND THEORY OF THE BEVERAGE AND LONGWIRE ANTENNAS WHICH HAVE APPEARED THROUGH THE YEARS IN *DX NEWS*. NOW THEY ARE AVAILABLE ALL UNDER ONE COVER, IF ORDERED SEPARATELY AS REPRINTS, YOU WOULD SPEND THREE TIMES AS MUCH !!

IF YOU ARE SERIOUS ABOUT DESIGNING BEVERAGES OR LONGWIRE ANTENNAS THEN THIS BOOK IS FOR YOU. DESIGNED TO ENHANCE THE ANTENNA REFERENCE - VOL. 1 AND VOL. 2 MANUALS, 5 1/2" x 8 1/2" BOOKLET FORMAT. \$2.50 IN THE U.S. AND CANADA. OTHER COUNTRIES, PLEASE INQUIRE FIRST BEFORE ORDERING.

LOOP ANTENNAS - DESIGN & THEORY

This reference book is a compilation of articles and reprints that have been printed in *DX NEWS* over the years and concern the theories and construction of the Loop antenna.

If you have ever used a Loop and wanted to know more about it or if you're ever thinking around the idea of designing your own, then this book is for you.

It is recommended that you also have the NRC **REFERENCE MANUALS** Volumes 1 and 2, with all their available, you will have all the articles necessary concerning the Loop antenna. This booklet does not contain any of the material found in Volume 1 or 2 of the NRC **REFERENCE MANUALS**.

CONTENTS:

- Loop Antennas, Theory and Practice 1
- Pattern Controlled Loops for the Mediumwave DX'er 2
- Loop Direction - The Cut Switch 11
- High Performance Direction Finding of Medium Wave Stations Slightly 19
- A Large Beverage Feeds a Core Loop Antenna for 1000 + Medium Wave Reception 25
- Loop Antenna for Loop Antennas 37
- Loop Antenna for Loop Antennas 37
- The New Loop - Intermediate Frequency Booster 54
- Notes 51

© 1983 by Michael G. Wallace National Radio Club, Inc., for the National Radio Club, Inc., P.O. Box 164, Mannsville, Wisconsin 53221

64 PACKED PAGES

LOOP ANTENNA - DESIGN AND THEORY

THIS MANUAL IS A COMPILATION OF NUMEROUS ARTICLES ON THE SUBJECT OF DESIGN & THEORY OF THE LOOP ANTENNA. THESE ARTICLES ONCE APPEARED SEPARATELY THRU THE YEARS IN *DX NEWS* AND ARE STILL AVAILABLE AS REPRINTS. BUT NOW THEY HAVE ALL BEEN COLLECTED UNDER ONE COVER, AVAILABLE NOW TO 1/3 THE COST IF BOUGHT AS SEPARATE REPRINTS!! 5 1/2" x 8 1/2" BOOKLET FORMAT. \$2.50 IN THE U.S. AND CANADA. OTHER COUNTRIES, PLEASE INQUIRE FIRST.

ORDER TODAY!!

NRC PUBLICATIONS CENTER
P.O. BOX 164
MANNVILLE, NY 13661

Los Angeles Times
 Tuesday, January 31, 1984

And how does Arbitron rate radio? There are no select Nielsen families with a box attached to the receiver. But the 45-year-old company does deliver statistics based on a small sample of the 8 million residents in the L.A. metropolitan area.

Arbitron surveys the Los Angeles area four times a year, using a random sampling of about 10,000 listeners each quarter, company spokeswoman Alison Conte said.

"We ask every member of the household over age 12 to fill out a diary, showing what they listen to every quarter hour" for one week, 6 a.m. to midnight, she said.

Each diarist is paid 50 cents for his trouble. At the end of 12 weeks, Arbitron culls out the usable diaries—usually between one-third and one-half of the 10,000 sent out—and tallies the results.

Of the 9,645 diaries sent out last summer, for example, there were only 3,970 usable ones sent back to Arbitron, Conte said.

Recently, Arbitron began breaking down listener statistics into "life-style clusters" by rating a station's listener penetration by ZIP code, she said.

"Say a ZIP code area has predominantly older heads of households who didn't finish college but own their own home," Conte said. "Another might have young married college grads who rent."

There are 47 different life-style design-

nations on the Arbitron computer, listing different combinations of income, education, ethnic background, occupation and housing, Conte said.

So, with the arrival of 1984, Big Brother may not be watching you, but he is apparently on the verge of listening.

Those who were not shaken the first time around by KHJ and KRTH's 8.3 earthquake simulation last fall will have another chance to listen to tremor radio on Feb. 9, 13th anniversary of the Sylmar quake.

The simulation, which won the stations two Golden Mike awards, will begin shortly before 9 a.m.

THE INTERNATIONAL RADIO CLUB OF AMERICA

CLUB ADDRESSES

Membership Dues, Address Changes, and Renewals:
P. O. Box 26254, San Francisco, CA 94126
Bulletin Material, Sample Requests:
P. O. Box 21074, Seattle, WA 98111
The IRCA Goodie Factory (Publications and Reprints)
1422 W. 5th St., Tempe, AZ 85281

MEMBERSHIP DUES

\$16.50 First Class to the U.S.A., Canada, and Mexico. \$6.00 for trial membership(10 issues of DX Monitor and a New Member Packet) to the U.S.A., Canada, and Mexico. \$18.00 Surface Mail to the rest of the world. \$27.00 airmail to Central America, Colombia, Venezuela, and the Caribbean. \$30.00 to the rest of Latin America, Western Europe, North Africa, and the Middle East. \$34.00 to the rest of the world. Sample copies of DX Monitor cost 50 cents each or three International Reply Coupons. Make checks and money orders payable to IRCA. Persons living outside the U.S. should make dues payments by check or money order payable in U.S. funds.

The International Radio Club of America is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (Medium Wave). IRCA is a member of ANARC, the Association of North American Radio Clubs.

Club Officers: President--Phil Bytheway, 9705 Mary Avenue NW, Seattle, WA 98117. Secretary--Fitch Segalas, Ernest Cooper, Nancy Hardy, Ric Heald, Neil Kazaros, Bruce Portzer, Peter Taylor, Niel Wolfish.

DX MONITOR, the official bulletin of the IRCA, is published 34 times per year, weekly from October to March, twice in September and April, and monthly from May to August. Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in DX Monitor, provided credit is given to IRCA and the original contributor. Opinions expressed in DX Monitor are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors, or officers.

PUBLISHING COMMITTEE: Bruce Portzer (206)522-2521, Evelyn Portzer, Phil Bytheway, Jef Jaisun

FIRST CLASS MAIL
U.S. POSTAGE
PAID
Seattle, WA
Permit No. 601

first class

D. A. NYHOLM

19

2071 CEDAR STREET
SAN CARLOS CA
94070

Postmaster: if undeliverable, return to
P.O. Box 21074, Seattle, WA 98111, U.S.A.