

BROADCASTING INFORMATION

Greg Monti
1110 Fidler Lane, #1424
Silver Spring MD 20910

call	kHz	day/night	
WWLX	620	500/	Lexington AL granted 5000/
KZUN	630	1000/	Opportunity WA wants KGGR
WRNG	680	25000/10000	North Atlanta GA granted WCNN
new	700	500/250	Winston OR granted KGRV
KURV	710	250/250	Edinburgh TX wants 1000/250
WPKX	730	5000/	Alexandria VA wants WRMR
appl	760	5000/	Leicester MA (noncommercial)
new	760	50000/1000	San Antonio TX granted KSJL
KULF	790	5000/5000	Houston TX granted KKBQ
appl	800	1000/	Huntsville TX
appl	830	2500/	Marshall MI
appl	830	250/	Franklin KY
new	830	50000/1000	Tucson AZ wants KGLY
WNYC	830	1000/1000	New York NY now limited hours, FCC has decided in a draft decision to deny appl for 50000/50000 unlimited hours
new	840	5000/2500	Sand Point AK wants KSDP
appl	840	2500/2500	Annandale VA
WKIX	850	10000/5000	Raleigh NC wants 50000/50000
WAEC	860	1000/	Atlanta GA wants 5000/
KIFN	860	1000/1000	Phoenix AZ granted KVVA
new	880	5000/1000	Gonzales CA granted construction permit
appl	890	2500/	College Park GA
WKXZ	910	500/	North Charleston SC wants WKCW
KLOC	920	500/	Ceres CA wants 500/2500
WIDG	940	5000/	Saint Ignace MI granted WLVM
WWWI	950	500/	Hyde Park NY granted WHVW
new	960	1000/	LaFollette TN granted WWGR
WUPY	970	5000/	Ishpeming MI wants WMVN
WRNJ	1000	1000/	Hackettsown NJ granted 2500/
KKIK	1010	10000/250	Waco-Marlin TX wants KBBW
KCMJ	1010	1000/500	Palm Springs CA granted 1140 kHz & 10000/2500
appl	1030	5000/	Sterling Heights MI
appl	1030	5000/	Vernon Hills IL
WSKE	1050	1000/	Everett PA wants 1040 kHz & 10000/
WCGB	1050	1000/	Juana Diaz PR wants 5000/500
WGTR	1060	25000/2500	Natick MA granted WSTD
WULJ	1060	250/	Tupelo MS wants WXOQ
KIOE	1080	5000/5000	Honolulu HI wants 10000/10000, wants KKAI
WXBK	1090	1000/	Albertville AL wants 2500/
appl	1100	5000/	Webb City MO
WYNO	1130	250/	Nelsonville OH wants 1120 kHz & 2500/
WEEO	1130	1000/	Waynesboro PA granted WBZT
WPUL	1130	1000/	Bartow FL granted 2500/, wants 2500/500
new	1140	1000/	Loudon TN granted construction permit
WCLW	1140	250/	Mansfield OH granted 1000/
KABN	1150	5000/5000	Long Island AK granted 830 kHz & 10000/10000
WDIX	1150	5000/500	Orangeburg SC granted WIZX
WAYS	1150	5000/	Fort Lauderdale FL wants Daive FL & 5000/250
WJMQ	1170	1000/	Norfolk MA wants WJCC
WHHL	1190	1000/	Pine Castle FL granted WREM
new	1190	250/	Russell Springs KY wants WIDS
new	1230	250/250	Harriman TN wants WKCE
appl	1230	250/250	Bethel AK
new	1230	1000/250	Valdez AK granted KVAK
KGJM	1240	1000/250	Globe AZ granted KSML
WHEL	1240	1000/250	Knoxville TN wants WIMZ
new	1250	2500/1000	Willitts CA granted KLLK
WVVW	1260	500/	Grafton WV granted WKGA
WWJQ	1260	5000/	Holland MI granted Zeeland MI & 5000/1000
new	1280	5000/	Winamac IN granted construction permit
KWNS	1280	5000/500	Salt Lake City UT granted KDYL
WZUU	1290	5000/5000	Greenfield WI wants WLZZ
KBRL	1300	5000/	McCook NE wants KSWN
KDNC	1310	1000/	Crescent City CA wants KCRE
KAWC	1320	500/	Yuma AZ wants 1000/
WFGS	1330	5000/	Milton FL wants WSWL

KVEE	1330	500/	Conway AR granted KTOD
KNTB	1350	1000/	Bakersfield CA granted KLYD
WSAY	1370	5000/5000	Rochester NY wants WRTK
WLLN	1370	2500/	Lillington NC granted 5000/
KPCO	1370	500/	Quincy CA granted 5000/500
new	1380	5000/5000	Pearl City HI granted KLNI
WRSC	1390	1000/	State College PA wants 2500/1000
appl	1400	1000/250	Elkader IA
KXIV	1400	1000/250	Phoenix AZ granted KSUN
WHLN	1410	5000/	Harlan KY wants 1030 kHz & 10000/
KPAM	1410	5000/	Portland OR granted KCONR
WBRD	1420	1000/	Bradenton FL granted Palmetto FL & 5000/1000
WJRB	1430	5000/1000	Madison TN wants WLKZ
WXKS	1430	5000/	Medford MA granted 5000/1000
KSOA	1430	500/	Ava MO granted KKOZ
WBRB	1430	500/500	Mount Clemens MI granted WWHK
new	1440	500/	Salem MI granted construction permit
KRDZ	1440	5000/	Wray CO wants KRQZ
WENZ	1450	1000/250	Highland Springs VA granted WNWZ
WLYV	1450	1000/250	Port Wayne IN granted WAFW
WMYB	1450	1000/250	Myrtle Beach SC granted WQOK
KKAQ	1460	500/	Thief River Falls MN granted 2500/
WFBA	1460	500/	San Sebastian PR granted WLRP
WBLO	1470	1000/	Evergreen AL granted WEGN
KSDR	1480	1000/	Wate town SD wants KLSC
KAAR	1480	1000/5000	Vancouver WA wants 2500/2500
new	1490	1000/250	Samson AL granted WRDJ
appl	1500	25000/	Shepherdsville KY
WGMF	1500	250/	Watkins Glen NY granted 1000/
WSMX	1500	10000/	Winston-Salem NC wants WSOG
new	1510	1000/	Blowing Rock NC granted construction permit, wants WOIX
WTRJ	1510	250/	Troy OH wants 1030 kHz & 2500/
WAAH	1520	500/	Dahlonega GA granted WDGR
WREA	1520	5000/	Dayton TN wants WKOE
new	1520	500/	Spindale NC wants WGMA
WRRR	1530	1000/	Rockford IL wants WXTA
KKCS	1530	1000/	Colorado Springs CO granted KCMN
WCKG	1550	1000/	Braddock PA granted WHYW
new	1550	500/	Solvang CA granted KVKG
WMLB	1550	5000/2500	West Hartford CT granted Bloomfield CT
WWQM	1550	5000/	Madison WI granted WHIT
WIZY	1560	5000/	Gordon GA wants 1120 kHz
KBIB	1560	250/	Monette AR wants KXXA
appl	1560	2500/	Colorado City CO
KLTI	1560	250/	Macon MO wants 1000/
WMIC	1560	1000/	Sandusky MI wants 660 kHz
WPKY	1560	1000/	Middleboro KY granted 1490 kHz & 1000/250
WQTK	1580	1000/	Saint Johns MI granted WKZY
KWNT	1580	500/	Davenport IA granted KXRK
WEND	1580	1000/	Ebensburg PA granted WAJE
WRXB	1590	1000/	Saint Petersburg Beach FL granted 5000/1000
WARV	1590	1000/	Warwick RI granted 5000/1000
WERA	1590	500/	Plainfield NJ wants 500/500
new	1600	5000/5000	Honolulu HI granted KHNL
WLPQ	1600	500/	Pittsburgh KY wants 980 kHz & 1000/

-- from the Jul 26, Aug 2, 9, 16, 23 and 30 issues of Broadcasting -
 RADIO Station news (in no particular order): WREM-1190
 PROGRAMMING Pine Castle FL (x-WHHL) is now Music of Your Life (MOYL)...
 NOTES WHTT-1260 Miami FL has switched formats frm Spanish to
 "rhythm and roll," a mix of soul-rock crossover and rhythm-
 oriented oldies; simulcasts mornings with FMer WHYI 100.7...WVOI-1520
 Toledo OH is black music 6 days, all religion Sundays...WCMI-1340
 Huntington WV is now MOYL...WBIG-1470 Greensboro NC has done the same...
WCRJ-1530 Jacksonville FL has switched frm religious to cuntry...KJR-950
 Seattle WA from top 40 to (reportedly bad) adult contemporary...KLAK-1600
 Lakewood Co from country to MOR...KAFY-550 Bakersfield CA and KOSY-790
 Texarkana AR have both gone country...Ditto for WINN-1240 Louisville KY...
WCNN-680 North Atlanta GA (x-WRNG) from talk to news using CNN net...
WSTD-1060 Natick MA (x-WGTR) from talk to big bands using SMN/Stardust
 net...WWKC-1300 West Hazleton PA, a new station as of 6/5, is now on w/
 country format & "KC-13 country" ID's...Another newie, KNCI-1500 Boerne TX

is also on with country...WHYW-1550 Braddock PA (x-WCKG) is rumored to be going the country route...WERC-960 Birmingham AL from adult contemporary to news/talk using CNN...WHIT-1550 Madison WI (X-WWQM) has gone "hit parade" music of the 50's and 60's...The new KCLG-1210 Washington UT is on with country and "12-10-AM" ID's...WJJD-1160 Chicago IL has tripled its audience under the current MOYL format...Meantime WCFL-1000 there is at the bottom of the ratings again; rumor has it a switch to news-talk is in the works.

Off the air department: KIKX-580 Tucson AZ has lost its license in a concocted-news-story contest hoax which occurred in 1974; the owners have given up trying to battle the feds over this and simply turned the station off...for you east coast DXers, WSSJ-1310 Camden NJ is also off the air due to its transmitter burning down; they're predicting 6 months maximum until they return.

Network news: Network swapping in Jacksonville FL: WEXI-1280 adds NBC to existing MBS service, WVOJ-1320 from NBC to CBS, WJAX-930 from CBS to ABC/C...New to ABC/Direction: WORI-1550 TN (x-MBS), WIVK-850 TN, KLAC-570 CA, WHUE-1150 MA...New to ABC/Information: WHAT-1340 PA...The complete ABC/Talkradio list: WCBM-600 MD, WERE-1300 OH, WAYS-610 NC, KVOR-1300 CO, WTWN-1340 MI, KGU-760 HI, WIFE-1310 IN, KCMO-810 MO, WABC-770 NY, WNIS-1350 VA, WTKN-970 PA, KLIQ-1290 OR, WEAN-790 RI, WSAY-1370 N.C., KGNR-1320 CA, WSGW-790 MI, KGO-FM 103.7 CA, KTMS-1250 CA, KSPO-1230 WA, KSTP-1500 MN, WNSB-1380 FL, KNST-940 AZ, KELI-1430 OK, WJNO-1230 FL...On an unspecified ABC net: WIP-610 PA...A writer in a recent NRC bulletin has explained why some stations carrying programs of one or more of the ABC networks don't appear on "affiliate" lists supplied by the nets: because the stations are "bonus" throw-ins. They transmit the network programming, but not the network commercials. The definition of "affiliate" includes something about getting paid to run those net commercials. These non-commercialized, interconnected stations are called "Program Service Subscribers" by ABC...New to CBS: WGST-920 GA. CBS says that 26 million listeners heard the 53rd All-Star Game, fed on 7/13...CBS/RadioRadio's "On Stage Tonight" concert series will feature Carole King on 10/2 and the Commodores on 11/6...CBN/Continental, reported to be going out of business this summer, has apparently been sold, and will be renamed RadioAmerica. It will continue to operate out of Virginia Beach, but will not be affiliated with CBN any longer. It's unclear whether the network of adult contemporary stations will continue with popular Christian music mixed with the secular ad-con...At Mutual, 175 stations have signed up to broadcast "The Rolling Stones Past and Present," a 12-hour stereo special intended for broadcast in the 9/30 thru 10/3 period...New to the Larry King Show: KPRZ-1150 CA (x-KMPC-710), WARM-590 PA, WHAS-840 KY (x-WINN-1240), KQEN-1240 OR, WSTU-1450 FL No longer with Mr. King are both KAAY-1090 AR and KXLR-1150 AR...New to NBC are: KMOD-1300 OK, KYW-1060 PA, KQKD-1380 SD, WMER-1440 ME, WAGY-1320 NC, WRLV-1140 KY, WOBR-1530 NC, KMYC-1410 CA, WAJF-1490 AL, WFIX-1450 AL, WRAB-1380 AL, WIRA-1400 FL, KBKB-1360 IA...New to NBC/Talknet: WHWH-1350 NJ...A raft of new programming begins this fall and winter from NPR: Hourly newscasts during those hours when "Morning Edition" and "All Things Considered" are not being fed; a 24-hour, 7-day classical music service (equivalent to a full-format network), a 9-hour, 6-day, overnight jazz service, a 30-minute lead-in program to "ATC" beginning at 1630 ELT, and a third feed of "ATC" at 1830 ELT (the current feeds are at 1700 and 2000). The extra programming, which will cost the stations something, is intended to allow the stations to stay on the air 24 hours cheaply so their AM or FM subcarriers can be used for 24-hour commercial data services which the network wants to distribute to offset losses in federal funding...Another new network has been announced by Reuters, the news-wire people. It'll distribute financial and commodity news, probably similar to the existing Dow Jones network...New to the religious Satellite Radio Network is WOZN-970 FL...New to SMN/Country Coast to Coast is WTTM-920 NJ...In general network news, the membership of the Radio Network Association (there is such an animal) has swelled to 8 (ABC, CBS, NBC, RKO, NBN, SMN, Transtar & United Stns)...According to Statistical Research, Inc.'s RADAR-25 report, the top, sponsored network program in the USA is still the 0830 ELT feed of "Paul Harvey News" on ABC-E, with 5,103,000 listeners; top CBS program is the 0700 "News on the Hour" (ranked 3rd); top NBC show is the 0800 "Hourly News" (ranked 16th).

Sports nets: The Philadelphia 76ers NBA team goes to WFIL-560 this year. KMBZ-980 will flag the Royals baseball net (better late than never).

Syndication: ABC Radio Enterprises/Watermark is offering "Musical!",

a weekly, 3-hour program of stage and screen music.

Thanks to: Artie Bigley, Houston TX; Stan Morss, Bradford MA; Kermit Geary, Walnutoport PA; John Malicky, Pittsburgh PA; Thomas Connatser, Sevierville TN; James R. Guthrie, Philadelphia PA; Ed Ryan, Safford AZ; Ken MacHarg, Jeffersonville IN; Phil Boersma, Spring Lake MI; Mike Cooper, Atlanta GA; Ian Harris, Milan MI; Mike Knitter, Cambridge WI; John Reiger, Milwaukee WI; CBS Press releases; various issues of Broadcasting.

COMMERCIAL NETWORK AFFILIATES

NBC	375	RKO/1	220
NBC/Source	170	RKO/2	160
NBC/Talknet	80	RKO/Radioshows	700
ABC/Rock	60	(syndicator, actually)	
ABC/FM	130	MBS	1600
ABC/Contemporary	365	SMN/Starstation	48
ABC/Information	590	SMN/Country C-to-C	48
ABC/Entertainment	466	SMN/Stardust	7
ABC/Direction	140	CNN	24
ABC/Talkradio	29	Transtar	87
CBS	420	APR/Music Country	80
CBS/RadioRadio	96	Bonneville Beautiful	30
		Taft Prime time	19

Source: Broadcasting, 8/30/82

RADIO/Network aims for the stars

By Annabelle Kerins

United Stations is a new programmer successfully involved in old-fashioned syndication and hoping to be part of the newest trend, full-time programming by satellite.

According to Nick Verbitsky, president of the venture, technical problems in getting the signal from the Times Square studios to the World Trade Center by telephone lines, to Vernon Valley, N.J., by microwave, and up to transponder 7, Westar III, the satellite, have delayed the all-country network's planned June 1 start. He said he did not know when it will get on the air. But the principals, Dick Clark and three former WHN officials — Verbitsky, Ed Salamon and Frank Murphy — have not been idle.

They are syndicating two programs: "Dick Clark's Rock Roll & Remember" and "The Weekly Country Music Countdown." Despite the problems with getting a New York outlet, United Stations has both its programs on in New York. "Rock Roll & Remember" is on WCBF-FM/101.1, 6 to 10 AM Sundays (WSBH-FM/95.3, Southampton, Fridays at 9 PM). "Country Music Countdown" is on WKHK/106.7, 9 AM to noon Sundays.

"Rock Roll & Remember," hosted by Gene Weed, draws heavily on the expertise — and the archives — of Clark, who appears prominently on each program. "Country Music Countdown," hosted by Chris Charles, draws on the abilities of programmer Salamon, 34, three-time winner of Billboard's country programmer of the year award when he was at WHN. Both are the traditional format: A set of records, attractively boxed, are mailed to the affiliate stations in time for airing. The programs are free. United Stations makes its money by selling six minutes of commercials (12 spots). Six minutes are left for the affiliates to sell. (The affiliate sends back a postcard stating when the show was aired; fraud is actionable.) "Rock Roll & Remember" is aired in 142 Arbitron areas; "Country Music Countdown" is on in 170 Arbitron areas, and has an audience of about 8 million. Spots sell in the thousands, according to Verbitsky.

The network, when it gets on the air, will offer 24 hours of programming each day, live from New York. In exchange for the programming, United Stations gets \$1,000 a month and two minutes each hour for its own commercials.

Newsday, June 22, 1982

United Stations is only one of several networks, on the air and in the works, offering full-time programming. The boom has come about because of satellites. Although transponder space can cost \$60,000 to \$100,000 a month for stereo, and more for the side band and backup channels, that is significantly less than comparable phone service. The economy of satellite delivery is largely responsible for the boom in networking; the other significant factor is the financial plight of many radio stations.



Nick Verbitsky

What the services offer is expertise. Verbitsky, Salamon and Frank Murphy, vice president for marketing, made country music pay in New York. With 24-hour programming beamed in by satellite, an affiliate can fire most, if not all, of its on-air staff. Still, it is not easy to come up with affiliates: Although the programming is a bargain, it is also a big gamble.

Even ABC Radio Enterprises, with ABC's proven track record behind it, is not being overwhelmed by affiliates. Superadio, the contemporary music network targeted for a July 1 start, has announced only four affiliates so far and will probably be going on the air without a New York outlet (WPIX-FM/101.9 reportedly turned down the deal). Talkradio, a 12-hour-a-day service, went on the air last month with 15 stations, at least four of them owned by ABC.

The network market grew by leaps and bounds to \$200 million for the five big ones — RKO, Mutual, ABC, CBS and NBC — last year. That growth, and an anticipated growth of 20 per cent this year, caused a number of companies to try to cash in. But with the recession, the market has softened, and growth has been only 5 per cent so far this year. RKO Radio Networks has already cut back its staff 8 per cent.

Sunrise DX During Aurora by Robert Kramer

One of the most interesting times to DX SRS is during a geomagnetic disturbance, i.e. aurora. During conditions on this variety, all normal reception will be affected, if not altogether altered. Stations that normally are considered pests will be weakened or obliterated (unless they are within groundwave distance, when they could be stronger). In their places may be low powered PSAs from the deep south. In the course of this article we will take a look at aurora sunrise skip

There is no best time of year for aurora (contrary to popular belief, summer is not all auroral). The reason for poor reception is static from thunderstorms & reduced night time hours), it can happen almost at any time of year. The best auroras have occurred in the middle of September & late December for this DXer. These periods are characterized by good sunrise conditions to the south, which an aurora will enhance. It must be remembered that there must be good skywave reception to the south present in order for the aurora to be a success. For this reason many auroras are not very productive. This is especially true of those taking place in late spring & early summer. These unproductive auroras will deaden the band and dramatically improve groundwave signals. Unfortunately, the period around sunrise is often poor for aurora DX even when the night hours have been quite good. A pattern I have noticed is that on the day that the aurora hits, Sunrise is usually very good. During many auroras, any day after the first is characterized by groundwave reception and little else. Of course this isn't always the case. Some multiday auroras have been good every morning at SRS. There is just no way to tell. To sum it up, SRS DX is impossible to predict based on the conditions of only a few hours ago. There have even been times when the aurora didn't affect normal reception but produced spectacular DX at SRS.

Although a veteran DXer can sometimes tell when there is aurora (but not all times, because some poor skywave nights sound like aurora), the best way to tell is to tune to WWV at :18 past the hour. They give both the current K index (1-9) & the previous day's A index (the previous day GMT). The higher the index the greater the aurora. Usually the A index for a minor aurora is 25-35. The K index for this level of aurora would be 5 or 6. Any A index over 40 or K index over 6 is a major storm. WWV also gives a geomagnetic prediction for the next 24 hours, but this can't always be depended upon, especially when an aurora is predicted. Current technology & knowledge allows for a 2% accuracy rate for aurora prediction. So don't get up for sunrise based on a WWV prediction. Instead, if an aurora is forecast, check every 3 hours for the latest K index. If the K index remains at a low level, chances are that the predicted aurora won't occur. Also, keep in mind that sometimes an A index of less than 25 produces aurora like conditions at SRS. So if the K index is 4 when you go to bed, then SRS may be worth getting up for. Unfortunately, there is no way to determine if SRS will be good. The only way to find out is to DX it.

Once that you know that there is aurora and you decide to DX SRS, the next step is to get up a bit earlier than the PSA S/Ons. The reason is that you will need to know just what hasn't been knocked out and where to look for sign-ons. In doing this you may also stumble on a new station. Be sure to check the graveyard channels well. Unlike normal SRS, when GY DX is next to nonexistent due to interference, the GYers can produce good loggings during SRS aurora. This is due to many of the usual pests being wiped out, leaving room for southern stations hundreds of miles away. When 6 AM EST hits, be looking for S/Ons on regional & local channels. After the S/On period ends, tune around attempting to ID any station that didn't appear to be in before the S/On period. Follow this procedure again at 6 AM CST, MDT & PTT (the last 3 if they occur before your local sunrise). Also, don't ignore the clear channels. You will need a copy of the sunrise/sunset maps to DX these effectively, but even if you don't have a set you could stumble on something. Pick a clear channel that has no sign of the usual dominant (and has daytime only stations to the east of you) or the dominant is unusually weak. Consult the sunrise/sunset maps to see what signs on in areas to the south (especially the very deep south). Then go to the selected channel and sit through the sign-on period. Any sign-on you hear could be weaker than the sign-ons on the regional channels you may have heard earlier, even to the same geographic area. The reason is the station is signing on much closer to local sunrise (while the regional station signed on well before it).

AURORA SRS TIPS

1. Check WWV every 3 hours during a suspected aurora period to get the K index.
2. When getting up for sunrise, awaken early enough to make a brief scan of the band. This will enable you to see the effects of the aurora.
3. Make an effort to ID any station that didn't appear to be in before the sign-on periods.
4. Pay particular attention to frequencies that usually are covered by strong dominant pests. Many times the aurora will knock out the pests allowing a good catch to sneak through.
5. Don't ignore the GY channels. Some good loggings have occurred due to reduced interference.
6. An aurora is not likely to be productive unless there is skywave reception present to the south, southeast or southwest (not necessarily all at once).
7. DX both PSA & clear channel S/Ons for as many S/On periods as are possible in your area. Even DXers on the west coast could find a weak southeastern S/On during an aurora.
8. A helpful aid to DXing sunrise (& sunset) are the frequency maps available from the GWDXA. These maps show the location of every station in the U.S. (at the time the maps were made). When combined with the Sunrise/sunset maps, all of the tools for effective SRS DX are present. For info, write the GWDXA at: Box 783 Thatcher, AZ 85552, Ed Ryan should be able to give you the correct price info.

DXing From Jan Mayen: 1981-82 by Geir Stokkeland

Jan Mayen is an Arctic island, located around $71^{\circ}N$ $08^{\circ}30'W$. The Dutch Captain Jan Jacobsz May, on board "De Goude Cath", has been awarded the discovery of the island, in 1614. At the time, when the Dutch caught Greenland whale in these waters, they called it Mauritijs Eiland. Other names given by different seafarers who have claimed discovery, are Sir Thomas Smith's Island, Trinity Island, Isle de Richelieu and "het Eylant in Cuestia". Norway erected a weather and radio station on the Northeast coast in 1922. When destroyed by war actions in 1940, Norwegian and US forces moved into the valleys of the centre of the island, and kept it the only free part of Norwegian territory through World War II. After the war, the installations were moved to the Northwest coast. In 1959, Norwegian and US authorities erected a Loran-A (later Loran-C) navigational system on the Southeast coast, and built an airfield. In 1963 the meteorological station also moved over to this area.

Jan Mayen definitely has one of the world's worst climates. Mean temperature of the year is around zero Celsius, with last season's recorded high $+9^{\circ}C$ (in August), low $-19^{\circ}C$ (February). During winter intense storms are frequent, with winds at times peaking past 70 knots (i.e. hurricane). Drifting snow is a problem most of the winter. But from time to time periods of excellent weather could also occur. The dark season lasts from late November until early February, with only two hours (approximately 10-12 UTC) of daybreak daylight available.

Jan Mayen's soil is volcanic, with the 2277 metres high Beerenberg volcano - one of the world's most beautiful and picturesque volcano bowls - dominating, and last erupting in September 1970, covered by glaciers stretching from the top into the Atlantic. Beerenberg occupies the northern part of the island, while the southern is covered by lowland and hills. Jan Mayen is 372.5 sq. km. big, stretching 53.7 km. NE-SW, and with width varying 3-15 km. The sea off the coast is down to 3,000 metres deep, and very rough; during winter many times covered by drifting sea ice - and in spring a multitude of smaller icebergs may be found stranded on the beaches. The beaches, with lovely dark black sand interspersed with olivin crystals - and lots of old driftwood - would be another Hawaii if the climate was warmer. A mention also to birds - one of the richest reservoirs of this wildlife in the world.

The practical side of DXing on Jan Mayen is far more difficult than any other place I know of. There are two main obstacles - the weather, and commercial radio interference/splash. There are many local "utility" transmitters - the "worst" (in our sense of the word) being the Loran-C system, with 250 kt on 100 kHz longwave, acting like our local woodpecker (about the same audible result) all across the HF band. The Loran facility also has a 1 kt HF xmt for link purposes with other Loran chain stations, causing some HF splash.

Our two LF beacons, the Consol system on 332.5 kHz (LNC) and air beacon on 362 kHz (JAN) - both powered at 1 kt - also are troublesome. LNC and JAN spread their harmonics, upwards including the 4th, making it impossible to hear anything on or near these frequencies during transmission periods.

The third transmitter system is that of Jan Mayen Radio/LMJ - the coastal and meteorological radio station, where I worked myself. The main HF frequencies - 394.7/435/500 kHz (CW) and 1722 (not 2182) kHz - caused some splash all across band, not harmonics only. A 1.5 kt HF xmt for telephone/telegram link with Norway from LMJ was the source of some HF splash.

To become the subject of QRN from all or some of these sources, you need to be located not too far out. Within a range of say 20 km. from each utility xmt QRN is heavy, and heavier the closer you get. Being 3 km. from the 200 metres high Loran-C xmt tower, and only 500 metres away from the 50 metres high twin xmt towers of LMJ, was a difficult location. Post below 100 kHz, near "normal" above 1500 kHz - where only LMJ's 1722 kHz splashed (luckily only when they were on for traffic exchange, usually up to 30 min. or so per day in total).

The CTH I think of now is my "base" at Helenesanden, on the east coast of Jan Mayen. 100 metres from LMJ, I had to get transport or get out there another way (from our housing facilities on Trollsetta, 3

km. further south along the southeast coast) every time I wanted to go DX. The housing facilities were too close to the Loran-C facility and provided less antenna space than needed for a beverage. So I had all my HAM (JXSVA) and AF DX gear in a tiny cabin (2x4 mtrs.) near LMJ. When winds gusted well into the hurricane range during the worst winter storms, I just took off headsets - was impossible to hear anything anyway. No ventilation or isolation - had to use a 2.4 kW fan oven for heating, and trust ventilation was OK with a few holes in the wall.

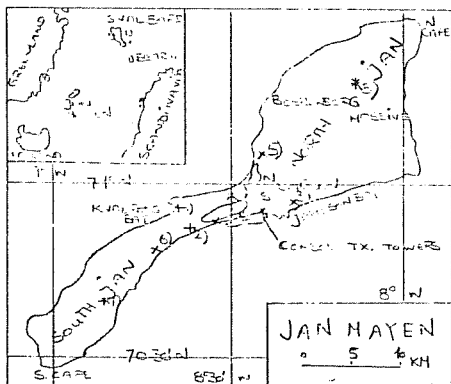
I had a total length of 800 metres wire directed 270° into the hills of central Jan. Towards the end of the aerial I had to ascend a very steep mountainside to get to the point where I fastened the end of it - thus the terrain for big-space antennas was fairly difficult.

One more QTH was tried with success, that of the "Puppebu" cabin in Kvalrossbukta on the west coast. With a 5 kW superb power supply and a great cabin in a bay surrounded by mountain cliffs on three sides - the ocean to the SW being the 4th - DX there was good. The only problem was how to get there - high winds, drifting snow, and much of it also on the ground brought around the ability to think.

Kvalross was a bit more remote, and shielded for utility TRM - though still partly troubled. The big difference from the east coast was radio propagation. I got the first taste of this on my first combined RAF and AF expedition to Kvalross September 5-7. First of all, I recorded all GRF (greenland) outlets heard all season - 570, 650, 700, 750 and 1100. 1100 like a neighbour local. Next, lots of EC (i.e. East Coast) North America; 770 WABC, 850 WNDH, 930 WCBG, 920 CJCH, 960 CHNS, 1050 WNN, 1220 CKCK and 1350 CFYQ - all these never heard on Jan Mayen's eastern side. Stations further west heard exclusively on this trip, and not again all season, were 900 CJBR, 1100 WME, 1310 CKOY, 1430 KEZU, 1500 WTOP, 1510 WLAG, 1520 KQMA, 1540 WPTB and 1590 WAKR. Last, stations heard in Kvalross which were as likely - and heard again at Helenesanden: 1000 CFLP, 1120 KGOX, 1130 WEXI, 1130 WLSN, 1190 LWQD, 1220 WGAR, 1320 CFBM, 1370 CJWV, 1420 CJVR, 1440 CFBG, 1460 KSO, 1500 WLPV, 1520 WKBW, 1540 KXEL and 1570 CKLE. Remaining, 1030 WQZ made it once only to the east coast while a regular in Kvalross - and also 1570 CKLE likewise.

Helenesanden provided no North American DX until the first day of November. From Europe stations of interest before this, were 854 Devon Air Radio, Torbay, 1035 North Sound, Aberdeen, 1134 ARD Radio, Dublin, 1170 Radio Victory, Portsmouth, 1170 Swansea Sound, 1314 Sonic Indep. Radio, Dublin and 1359 Cardiff Gc. 1313 in // with 1305 provided Doynside Radio, Drogheda, with xlnr signals during July/August. 1332 Hereford Radio, Peterborough became a semi-local in strength, and Vatican Radio's outlet on 1611 (xmtr located inside the Vatican City State) was first noted Sep 30th. 1220 Radio Globo became the first TA noted on July 15th; Radio Atlantico, Las Palmas the first African August 5th, and 1341 Radio Kuwait brought xlnr western style music way over BBC Ulster a few evenings during Sep/Oct.

An unsuccessul trip to Kvalrossbukta Oct 21-22 started off the dark season DX. 930 CJYC with a short fade-up early on the 22nd was the only AF station all across the band that morning (I suppose many would find that a surprise, but it is true). Then, the first TA peak from Helenesanden came on Nov 1st. 1170 KJJP became my first Alceon, at 0914 UTC.



Index:

- 1) "Puppebu", my DX QTH in Kvalross
- 2) My DX QTH on Helenesanden, near the Meteorological Station
- 3) Location of the first weather station from 1921
- 4) Location of the World War II weather station
- 5) Weather station location from after the war until 1963
- 6) Current location of our housing headquarters near Båtvika
- 7) One of two German warplanes crashing during last World War
- 8) Highest peak of Beerenberg—2277 mtrs.

From Canada, 1260 CFRN in Edmonton was mid-day DX at 1156 (all times mentioned are UTC), and 1430 AFRS Thule, Greenland, IDed "Your source for information and entertainment - American Forces Radio Thule" at 0900. Additionally, 1570 CKLQ made it on Nov 2nd. CKLQ still means something special to me, as it was the first North American I heard, in Kvalross on Sep 5th. The xInt off-air recording of CKLQ here is probably the best quality one I have from this season.

From Europe this period, I note the newly on-air 1035 West Sound, Ayr, and 1431 Essex Radio, Southend. 1458 had a surprise for me Nov 2nd, as BBC Radio Carlisle, Whitehaven site, IDed "Should believe London was way out. Later 1458 became a very fine frequency providing all BBC locals here except for Birmingham - weird or not. Mention also goes to 1323 Boyneside Radio, now split from its broadcast-out branch on 1305 Community Radio Drogheda - the latter first heard Nov 3rd.

Mid-November provided no news from North America, except a brief flyer showing off 1430 Thule on the 10th. From Europe 846 Radio Nova, Dublin, made it on the 4th, while the new 990 BBC Radio Aberdeen was first in on the 13th.

Towards Nov 20th things got better. 1359 Mercia Sound, Coventry, was of interest on the 17th, and on the 18th 1430 AFRS Thule was there again - stronger than ever. Under Thule was CJXX Grande Prairie AB, and 1170 Brought KJMP - what was to follow? The 19th had a terrible snowstorm, impossible to get out to DX - but on the 20th 680 KBRW Barrow AK was in. Programmes including live basketball from Barrow High School provided me with the closest to real community radio I heard this season - right across the North Pole basin.

The Nov 21 - 22 peak also had DX such as 660 KFAR, 750 KFID, 1090 KQBC, 1050 KFSP, 1060 CKSA, and KANC, 1090 KING, 1160 KSL, 1330 CKKP, 1380 KRKC (remembered as the station I only heard once - but not managed to record), 1460 KLTC, 1470 KLSL, 1550 KVAN and 1560 KRKA. 1530 KFCK was in, as were 1140 CKXL and 1240 CFRN. All these three last ones were to be condition indicators throughout the season. I will return to this later. In addition to the above, many more "common" North American stations were logged this period.

The next isolated NA (North American) peak was Nov 30th, but while the previous was centered on the west coast/NW prairie/Alaska, this day brought main spot conditions to the Lakes, with 1130 EGGY, 1180 WNAW, 1190 WQWD and 1300 WENE indicators. 680 KBRW Barrow AK, 1170 KMGX, 1140 CKXL, and 1410 CFUN were there to spread it all.

Dec 4th had a short peak to west coast/NW prairie, with 1130 CKIX, 1140 CKXL, 1250 CKKP, 1260 CFRN, 1410 CFUN and 1550 KVAN. The rest of December had very dull conditions, with only 1368 BBC Radio Lincolnshire being of noticeable interest from Europe. Peak peak conditions to NA recorded on December 14, 16, 19-20, and 27th. But nothing of special interest.

Celebrating Christmas and New Year in a traditional Arctic way, with 1260 Centre Radio, Leicester, in on the 27th - set everything ready for the 1982 half of the season. AM conditions in general peaked on Jan 3-4, with 531 Sunshine Radio, Dublin, pleasantly making it on the 3rd (and later also on the 6th); NA conditions peaked on the 4th - with KBRW, CFCC, CJCA, KARC, and Essex Radio's new 1389 outlet in Chelmsford heard.

Post of early and mid January 1982 continued without any major peaks in propagation. Jan 6/7-10th proved a relatively good period. From Europe, the new 1260 Radio Test in Bristol was heard Jan 7th. 846 Radio Nova, Dublin, was noted back on the air Jan 8 after its recent stormy tower collapse, and on 1305 Radio Drogheda was identified - yet another change of name. Jan 8th also brought in 600 CFCC, 720 KOTZ Kotzebue AK, 980 CKRP, 1200 LOAI and 1500 KSTP from NA.

Jan 14th had 1030 WJZ in on Jan Koyen's east side - a surprising logging taking into consideration the advantages Kvalross has for this area. Jan 18th obviously marked a change in conditions, according to my logs. 1485 WRK Longyearbyen was heard again - the second and last time of the season only. And during our local evening one of my big winter surprises occurred - at 1917 UTC I noted 600 KBRW with good signals! This is the only occasion on which I have heard AM signals from North America this time of the day. Obviously this is due to the signal path being in total darkness, and skip thus longer. The same is the case with 1430 AFRS Thule, that from now on

until late February was audible 24h a day, weaker or stronger.

5.0 CKY and 890 WLS, along with 1420 WOC, brought a good opening to the Lakes early my local morning, Jan 23rd. Later, towards midday, condx moved west with 1110 CHQT providing xlnr reception around 1100 UTC. On the 25th the Lakes peaked weakly, with WCXI dominating on 1130 - something they seldom did this winter.

On Jan 21st, I'd been over to Kvalross, restoring the power supply with fuel - for a future expedition. The chance soon was to occur. Checking the band on the 28th was rewarding. Beside the "normal" stations from North America (NA), 970 KIAK, 1070 CKST, 1190 KEX and CFSL (LORR not there), 1280 WUTC, 1320 CHCM, 1360 KMD, 1470 CJVB and 1570 CHUB clearly indicated something was up - so I grabbed the receiver, some food, gun and ammunition and walked the 7 necessary kilometers over the hills to Kvalross.

In Kvalross, 1485 AFRS Keflavik was a very solid daytime and early evening station, before more widespread reception set in. Openings to EC NA began past 2000 UTC, with 1490 CJMC pleasantly intensifying just an hour later. Propagation dropped rapidly over the next 48 hours, but stations in - indicating typical reception condx experienced in Kvalross - were such as: 760 WSBM, 950 CKNB, 1050 CHUB, 1130 LNEW, 1170 WJVA, 1270 CJCB, 1410 CIGG, 1510 WJAC and 1560 CFXR. On 1420, AFRS Sondre Stromfjord, Greenland, came through on the 28th at 1029 - first time of the season. 1100 GRF, Angmagssalik, had a powerhouse signal 24h a day (the carriers of GRF are always on, for your information), and the shortwave outlet on 3999 kHz also had a good signal. Outside NA, 950 Radio Visión, Caracas, and 1855 Radio Guyana were rare catches.

From January 30th, conditions dropped to what I think was to be a record low of the 1961-62 season. During the first days of February, Polish AF transmitters reactivated, blocking several interesting Region I/III channels. On Feb 5th 828 Chiltern Radio, Dunstable, and 1534 BBC Radio Taunton (with relay from Bristol) were in as new, while the Feb 6-9th night had a weak Euro opening to indicate the end of this radio blackout. While at work at LMJ on the 11th, with receivers not able to pick out splits, I noted several NAs hitting split Europeans - thus things were improving rapidly. Giving night-time DX an isolated try the Feb 11-12th night proved interesting. NA fade-in around 0540 UTC, with a climax in propagation beginning around 0600, continuing till 1000. In were such as 1020 KDKA, 1040 WND, 1150 CKOC, 1180 WHAM, 1190 CFSL, 1150 WYNE, 1250 CHSM, 1280 CJSL, 1380 CKLC, 1390 CHDD, 1420 KTOE, 1500 WLOV, and 1600 KCRG. This shows condx were based fairly east. And of special interest this morning of Feb 12th, was 1420 kHz - releasing both WCIN Cincinnati OH and KAUS Austin TX. Both are rare catches - even in the Nordic countries.

The next night, NA fade-in came around 0200, and were relatively spread until 0400 - with 1220 LGAR and 1210 WCAU in at good levels - when condx changed, and went fixed on the Canadian province of Quebec, after which nothing happened. On Feb 14th the opening was headed N.E., with 1230 CHFC being a pleasant surprise. CFUN and KJNP proved condx, though nothing else of interest got thru. From Europe, the 14th brought the first heard test from new 1107 Moray Firth Radio, Inverness.

The next few days brought fair condx to most areas. NRK's new 1314 kHz site on Kviteøy island near Stavanger made its first test late on the 17th; while 1107 Moray Firth Radio put in good signals all day long - proving it probably has the best relative coverage of all IPA stations currently on air.

NA conditions the 17th/18th were based mostly west of the Lakes, towards the Pacific coast. Logged were such as 1080 CKSA, 1150 CKX, 1290 CFRE, 1370 CFCR, 1410 WJZN, 1420 WOC, 1430 CJXX, 1460 CKER, 1530 CFSV, 1480 WLEE Richmond VA, a shertimer, proved a surprise on the 18th, a sporadic also experienced on the 13th when 1110 uncovered WRT.

Towards the end of the month, two NA peaks occurred - the first February 22-24th. On the 22nd in were 670 WAPP, 840 WJAS, 1310 CICK most likely, 1370 CJOH and CFCR, to name a few. On the 23rd: 1270 CJCC, 1280 CHBR, 1330 WKKR, 1400 CHCA and 1570 CKTA. On the 24th 1170 WJNP was there - as well as 1340 CHRE and 1280 CJSL. That was more difficult to pick out that morning was 1400 WFLD, 1230 CJOK, and 1340 CRYK - so I am not at all sure they were there, although I do believe so.

Feb 26-28th proved to be a fair period, also. No sensations, though. 1400 CHCA Stettler AB was there again on the 26th, and 1720 CKDA made it as one of the last new ones of the season on the 28th. On the first morning of March 1420 AFMS Sondie Stenford made its 2nd and last appearance on the Jan Mayen AM band during the 1981 - 82 season.

March 5th-6th was next time around. A sporadic layer around 1100 UTC on the 5th brought 1200 CFRN and 1430 AFMS Thule in, and on the 6th 960 CFAC, 1000 CFLP, 1080 CFCH, 1120 WQGY, 1140 CKXL, 1290 CFRN, 1410 CFUL and 1570 CYLE were thru.

The season drew near to a close, but still the final remained. Late March 6th 1214 HRK Kvitsøy was on again all night, leaving. The 14th had Thule in again on 1430, while the 16th lifted 1200 CFRN and 1420 CSVR - the two last Canadians of the season. March 20th brought on the season's last US AM station - 1810 KGA Spokane WA - and on the 25th it all ended with 1430 AFMS Thule, fading out with the "BC Happy Hour" program past 0600 UTC.

That's a look at AF DX season no. 1, 1981- 82, on Jan Mayen. Looking back, remembering what was - I have a mixture of feelings. I could have done more, but on the other hand, local radio (RRN, weather condx and work continuously regulated) DX - and such things never were like that you guys are used to back home. Experience and reliable equipment - lifts at once on Jan Mayen. Experience to observe, judge and forecast weather - and equipment that needs a minimum of maintenance, as the island is one of the most isolated in the world during winter.

Another crossroad of thinking is the AF propagation experienced in general on Jan Mayen. At a longitude of 71° north daylight during winter was very sparse. Additionally, the latitude of 6.30° west meant purely local condx different from what I have experienced at home in Norway. Being around two hours behind Norway in true local time, meant that theoretically Jan Mayen should receive daylight two hours later during morning, etc. During the dark season and high Arctic summer this generally is not true - but the effect on radio propagation and theory is not true - nevertheless remain. Jan Mayen had darkness longer during morning than Scandinavia, the Americas is in darkness - and thus more time is available during which the AF DX route to this region is open; whereas propagation to Jan Mayen from e.g. the British Isles had to be regarded completely different - from Jan Mayen this was DX, while Europeans must judge these semi-locales, more or less.

Next, propagation over the North Pole area. The difference in AF reception between the west and east coast of Jan Mayen was very surprising. Remember the map distance is only 3 - three - kilometres (air route) from Kvalrosbukta to Helnesanden. I need more data to establish a good theory, but my current idea is that East Coast HA signals is received from southwest through the Denmark Strait to west coast Jan Mayen - thus the mid-land mountain range block these signals from getting further. Alaska and west coast HA signals never got out to Kvalross, so they must propagate along a different route across the Polar basin, further east. Now prairie signals propagate in an open issue to me, but I do not believe that a glance at an azimuthal map centered on the North Pole or Jan Mayen itself to find the shortest path for propagation, gives a satisfying answer.

Last, 2 words on the 1981 - 82 condx variations. Svein Jakob Halland, located on the coast of central Norway, described "his" AM season towards North America in an article in QALC's "DX-News" this spring. The noted condition peaks he noted last winter were very often the same as on Jan Mayen. My theory thus is that our two locations provide very similar Trans-Atlantic/-Polar AM DX. Only further observations will judge.

This is written as a new DX season is getting under way. I presently have commenced my new job at Bjornøya Radio/LJB - here on the north slope of Bear Island. My FRG-7000 and -7700 receivers are here to ensure another DX season - together with a good aerial along the cliffs.

Promised is a 1982 - 83 Bjornøya DX round-up in one year from now. Good DX!

Bjornøya, July 25th 1982.

Round-up of representative stations heard on Jan Dayen 1981 - 82:

NORTH AMERICA:

570	GRF	Godthaab (Nuuk)	Sep 5	t = tentative (only when likely)
580	CKY	Minneapolis MB	Jan 23	
600	CFBC	Saskatoon SA	Jan 8	first dates of reception included
630	CKED	Edmonton AB	Nov 21	
650	GIF	Godhavn (Paasektarsup)	Sep 5	
660	KFAR	Fairbanks AK	Jan 25	dates Apr - Dec: 1981
670	WMAQ	Chicago IL	Feb 22	dates Jan - Apr: 1982
680	KBRE	Barrow AK	Nov 20	
700	3PF	Simiutaa	Sep 55	
710	t KIRO	Seattle WA	Jan 8	
720	KBTZ	Kotzebue AK	Jan 6	
740	t CBX	Edmonton AB	Jan 8	
750	3PF	Umanak (Umanuc)	Sep 5	
	KPCD	Anchorage AK	Nov 21	
770	WRBC	New York NY	Sep 5	
780	WDFR	Chicago IL	Jan 20	
790	CFCW	Camrose AB	Nov 20	
940	WHAS	Louisville KY	Feb 22	
850	WMOH	Boston MA	Sep 5	
860	t CHAK	Inuvik NWT	Jan 28	
860	WCBS	New York NY	Sep 5	
890	WLS	Chicago IL	Jan 23	
900	CJCR	Rincucci DC	Sep 11	
920	CJCH	Halifax NS	Jan 30	
930	CJCA	Edmonton AB	Nov 20	
	CJYC	St. John's NF	Oct 22	
	t KTKN	Ketchikan AK	Jan 4	
940	t C3GX	Yorkton SA	Nov 20	
950	CFEB	Charlottetown PE	Jan 20	
950	CFAC	Calgary AB	Nov 18	underlines stations were heard during 4 or more months of the season - "regulars"
	CHRS	Halifax NS	Sep 5	
970	KIAK	Fairbanks AK	Jan 28	
980	CHRS	Regina SA	Jan 8	
1000	CFLP	Rinkouski PE	Sep 11	
	KONO	Seattle WA	Nov 21	
1010	t CBR	Calgary AB	Jan 8	
	CFEB	Toronto ON	Jan 18	
1020	KDKA	Pittsburgh PA	Feb 12	
1030	WBZ	Boston MA	Sep 6	
1040	WHD	Des Moines IA	Nov 21	
1050	CFBP	Grande Prairie AB	Nov 20	
	CHON	Toronto ON	Jan 29	
	WHN	New York NY	Sep 5	
1060	CFER	Calgary AB	Nov 21	
1070	WST	St. Albert AB	Jan 28	
1080	CFCA	Lloydminster AB	Nov 20	
	KAPC	Anchorage AK	Nov 21	
1090	KING	Seattle WA	Nov 21	
1100	GRF	Angegnassalik	Sep 5	
	WWE	Cleveland OH	Sep 5	
1110	CHCT	Edmonton AB	Nov 20	
	t WBT	Charlotte NC	Feb 13	
1120	KROK	St. Louis MO	Sep 6	
1130	CKIX	Vancouver BC	Nov 4	
	WDFI	Detroit MI	Sep 5	
	WDZY	Minneapolis MN	Nov 21	
	WISN	Madison WI	Sep 6	
	WDEW	New York NY	Jan 28	
1140	t CBI	Sydney NS	Sep 5	
	CFXL	Calgary AB	Nov 20	
	WHDG	Sibuk Falls ND	Dec 1	
1150	CKOC	Hamilton ON	Jan 4	
	CKX	Brandon MB	Jan 10	
	WVNE	Kimberley WI	Feb 12	
1160	KSL	Salt Lake City UT	Nov 20	
1170	KJMP	North Pole AK	Nov 1	
	WVA	Beaumont WV	Jan 29	
1180	WSP	Rochester NY	Nov 30	
1190	CFSL	Layburn SA	Feb 12	
	WEX	Portland OR	Jan 29	
	WQED	Port Payne IN	Sep 6	

1200	YRAI	San Antonio TX	Jan 8	
1210	WCAU	Philadelphia PA	Feb 13	
1220	CJOC	Lebanon NH	Feb 23	
	CKCB	Moncton NB	Sep 10	
	CKDA	Victoria BC	Feb 28	
	BEAR	Clatskanie OR	Sep 6	
1235	CHFC	Churchill MB	Feb 14	
t	CJOK	Fort McMurray AB	Feb 24	
1250	CHSO	Strasbourg MO	Feb 5	
	CKOM	Saskatoon SA	Dec 4	
1260	CFRN	Edmonton AB	Nov 1	
1270	CJCE	Sydney NS	Jan 30	
1280	CHRB	High River AB	Feb 23	
	CJSL	Estevan SA	Feb 12	
t	CKCV	Cochran BC	Jan 23	
	WTC	Minneapolis MN	Jan 20	
1290	CFPL	London ON	Nov 20	
	CKRM	Estevan BC	Jan 20	
1300	CJFE	Regina SA	Nov 20	
	LEAE	Cleveland OH	Nov 30	
1310	t	CICK	St. Paul AB	Nov 21
	CKCY	Ottawa ON	Sep 6	
1320	CFGM	Richmond Hill ON	Sep 6	
	CHCM	Vancouver BC	Jan 28	
1330	CKKR	Roseton SA	Nov 21	
1340	CKBR	Brooks AB	Feb 24	
t	CFYK	Yellowknife NWT	Feb 24	
1350	CFYD	Gander NF	Sep 6	
1360	KFD	Tacoma WA	Jan 28	
	WGEE	Green Bay WI	Jan 23	
1370	CFCK	Westlock AB	Feb 18	
	CJLW	Saskatoon SA	Sep 5	
1375	t	CF-3	St. Pierre & Miquelon	Jan 28
1380	CFLC	Kingston ON	Feb 12	
	WALD	Everett WA	Nov 21	
1390	CHOD	Ajax ON	Feb 12	
1400	CFLO	Furns Lake BC	Feb 24	
	CHOS	Stettler AB	Feb 23	
1410	CFUN	Vancouver BC	Nov 20	
	CISE	Fort Hawkesbury NS	Jan 30	
	WLYW	La Crosse WI	Feb 12	
1420	AFBS	Sondic Strinsjord (Kangerdlugssuaq)	Jan 28	
	CFWA	Winnipeg SA	Sep 5	
	CFEE	Winnipeg NB	Feb 12	
	WBC	Davenport IA	Feb 17	
1430	AFBS	Thule	Nov 1	
	CFXX	Grande Prairie AB	Nov 18	
	WLEW	Aurora ON	Sep 5	
1440	CFRO	Pittsburg CO	Sep 5	
1460	WLTG	Pickering MO	Nov 21	
	KSD	Des Moines IA	Sep 6	
1470	CFVI	Vancouver BC	Jan 28	
	KNOL	Sibou City IA	Nov 20	
	WMSD	Peoria IL	Jan 23	
1480	CKEA	Edmonton AB	Nov 20	
	WADS	Austin TX	Feb 12	
	WCMN	Cincinnati OH	Feb 12	
	WLEE	Richmond VA	Feb 18	
1490	CJMC	Ste.-Anne-des-Monts PQ	Jan 28	
1500	CFTP	St. Paul - Minneapolis MN	Jan 9	
	WLCV	Detroit MI	Sep 6	
	LTOP	Washington DC	Sep 6	
1510	KGA	Spokane WA	Jan 28	
	WLAC	Nashville TN	Sep 5	
1520	KOMA	Oklahoma City OK	Sep 5	
	WKSW	Buffalo NY	Sep 6	
1530	CISV	Winkler - Morden MB	Feb 18	
	KFSK	Sacramento CA	Nov 21	
1540	KXEL	Waterloo IA	Sep 5	
	WPTV	Albany NY	Sep 5	

ref. Greenland; some Danish names have been added in Inuit

1550	KVAN Vancouver WA	Nov 21
1560	KKAA Aberdeen SD	Nov 20
	WCXR New York NY	Jan 29
1570	CHUB Nanaimo BC	Jan 28
	CKLM Montreal PQ	Sep 6
	CKLG Brandon MB	Sep 5
	CKTA Taber AB	Feb 23
1580	WAKR Akron OH	Sep 5
1600	KDRG Cedar Rapids IA	Feb 12

EUROPE:

631	Sunshine Radio, Fortsmarck	Nov 2
666	ROV Refn	Aug 18
711	FR-3 Radio Pays de Loire, Rennes	Nov 1
738	ROV Akureyri	Jun 8
774	BBC Radio Leeds	Nov 13
792	Voice of America, Kavala	Jan 6
	BBC Radio Ulster, Londonderry	Nov 13
	Radio Sevilla	Jan 29
828	KDR2, Hannover	Dec 18
	Südwestfunk, Freiburg	Feb 10
	Bulgarian Radio, Sofia/Christo Potev	Jan 6
	Chiltern Radio, Dunstable	Feb 5
837	FR-3 Lorraine Champagne Ardennes	Feb 10
	BBC Radio Leicester	Dec 18
848	Radio Leva, Dublin	Nov 4
855	BBC Radio Norfolk	Nov 13
864	Radio Espana de Madrid	Sep 5
	Devonair Radio, Torbay	Oct 3
863	Radio Na Gaeltachta, Rosbegy	Nov 18
880	Radio Bilbao	Jan 6
	BBC Radio Scotland, Aberdeen	Nov 13 - Feb 20 as BBC
1020	Downtown Radio, Belfast	Dec 5 Radio Aberdeen
1035	Forth Sound, Aberdeen	Oct 3
	East Sound, Ayr	Oct 31
1107	Kerry Firth Radio, Inverness	Feb 23 - Feb 14 as ISA
1119	RA12, Leri	Jan 4 Inverness
	BBC Radio Derby	Nov 7
1125	Radio Carrusel, Dundalk	Jan 7
	WYCF Linnait	Feb 1
1134	Radio Zagreb, Tovarnik	Feb 12
	APD Radio, Dublin	Jul 15
1152	Radio Clyde, Glasgow	Sep 5
	Radio Radio, Newcastle	Nov 1
1161	Radio Toy, Dundee	Nov 7
1170	Radio Koper - Soudistria	Oct 31
	Radio Victory, Portsmouth	Aug 4
	Swansea Sound	Aug 4
	Radio Tees, Stockton-on-Tees	Oct 21
	Radio Gruell, Ipswich	Nov 7
1188	Radio Dublin	Dec 28
1197	Teletar Radio, Dundalk	Oct 28
1205	FR-3 Aquitaine Radio, Bordeaux	Feb 9
1235	KELO Radio 244, Swords	Nov 7
1290	Voice of America, Rhodes	Nov 7
	Radio Valencia	Dec 28
	Radio San Sebastian	Dec 25
	Radio West, Belfast	Jan 7
	Centre Radio, Leicester	Dec 27
1295	Radio Novi Sad	Dec 29
1298	Denaine Radio, Bedford	Dec 29
1365	Marche, Belgium	Nov 4
	Roynside Radio, Drogheda	Jul 15 - Nov 7 as
	Community Radio Drogheda; Jan 3 as Radio Drogheda	
1314	Radio Centro, Madrid	Nov 5
	Sonic Independent Radio, Dublin	Jul 25
	NRK Kvitsøy (Televerket tests)	Feb 17
1323	Roynside Radio, Drogheda	Jul 15
1332	Howward Radio, Peterborough	Jul 30
1349	Radio Sound, Coventry	Nov 17
	Cardiff BC	Aug 4
	Essex Radio, Chelmsford	Jan 3

1368	RAI, Venezia etc.	Jan 6
	BBC Radio Lincolnshire	Dec 14
	Manx Radio, Douglas	Sep 10
1386	Radio Carousel, Drogheda	Feb 9
1401	Radio Tirana	Feb 22
1431	Emissora das Beiras, Caramulo	Jan 4
	Essex Radio, Southend-on-Sea	Oct 23
1449	Sender Freies Berlin	Feb 9
1458	BBC Radio Newcastle	Jan 8
	BBC Radio London	Oct 31
	BBC Radio Carlisle, Whitehaven	Nov 2
	BBC Radio Manchester	Nov 4
1484	RUV Kaufarhöfn etc.	Aug 18
1485	AFRS Keflavik	Oct 23
	NRK Longyearbyen	Nov 21
	9BC Radio Humberstone, Hull	Oct 31
	BBC Radio Merseyside, Liverpool	Nov 3
	BBC Radio 4, Carlisle	Dec 27
1494	FR-3 Rhone-Alpes-Auvergne, Cl.-Ferrand	Jan 8
	Beltsy/Komrat (Luceafarul), Moldavia	Jan 8
1503	BBC Radio Stoke-on-Trent	Nov 2
1510	RUV Siglufjordur etc.	Aug 18
1515	Radio Tirana	Feb 22
1521 t	Radio Pontevedra	Jan 25
	BBC Radio Nottingham	Nov 1
1546 t	BBC Radio Cleveland	Jan 4
	Radio Forth, Edinburgh	Aug 6
1562	RdP1, Covilha	Feb 16
1584	Radio Zamora	Jan 25
	Radio Tay, Perth	Nov 1
	BBC Radio Bristol, Taunton	Feb 5
1593	F. Ciuc, Romania	Nov 17
1602	BBC Radio Norfolk, King's Lynn	Nov 1
1611	Vatican Radio, Vatican City State	Sep 30
x 1143	AFN Bremerhaven	Jan 14
x 1350	Cesvaine, Latvian SSR	Nov 25
ASIA:		
1251	China, P. R.	Jan 29
1287 t	Galei Zahal, Tel Aviv	Nov 20
1296	Baku, Azerbaijan SSR	Dec 29
1305	Galei Zahal, Haifa	Dec 19
1332	China, P. R.	Nov 21
1341	Radio Kuwait	Oct 23 - also hrd in
1413	BBC World Service, Nasirch I., Oman	Oct 30 September
1422	China, P. R.	Nov 21
1521	Urumqi, XJ, China, P. R.	Nov 3
1575	China, P. R.	Nov 21
AFRICA:		
1215	Radio Atlantico, Las Palmas	Jan 11 - also hrd in fall 1981
SOUTH & CENTRAL AMERICA:		
950	Radio Vision 950, Caracas	Jan 30
1220	Radio Globo, Rio de Janeiro	Jul 15
1300 t	Radio Iracema, Fortaleza	Jul 30
1555	Radio Cayman, George Town	Jan 29
1580 t	Voice of America, Antigua	Sep 6
1610 t	Caribbean Beacon, Anguilla	Sep 5

Cuba Disrupts U.S. Radio as Distant as Des Moines

By DAVID SHRIBMAN
Special to The New York Times

WASHINGTON, Aug. 31 — The Cuban Government, apparently responding to Reagan Administration plans to transmit radio programs into Cuba, disrupted American programming Monday night by broadcasting news and music programs on five AM frequencies.

Federal Communications Commission radio engineers said today that the broadcasts, which lasted for four hours, were stronger than any that had previously originated in Cuba. The broad-

casts featured news programs and English-speaking disk jockeys and included a plea to American listeners to write the Voice of Cuba in Havana.

The Cuban Government threatened earlier this summer to begin broadcasts that would disrupt American radio programming if Congress approved the Administration's proposal to establish Radio Marti, a Government radio station designed to provide news broadcasts to Cuba. The proposal was passed by nearly a 2-to-1 margin by the House this summer and is now being considered by the Senate Foreign Rela-

tions Committee.

The Cuban transmissions affected programming originating from at least two clear-channel radio stations, including the Des Moines station where Ronald Reagan began his broadcasting career.

Anita Stockman, a State Department spokesman, called the action "unfortunate evidence of continuing Cuban disregard for international agreements and the rule of the law."

She noted that the Cuban Government announced an increase in broadcasting activity in 1979 and added that Radio

Read it and Cringe....Some More!

Here are a few changes/additions to the Canadian government's list of proposals re the no-longer-clear-clear-channels, plus others.

- 540 ON 50 10 Ottawa...CJSB is under construction.
 540 ON 15 2½ Sault Ste. Marie...CKCY is moving here from 920.
 550 AB 1 ½ Ft. McMurray
 630 ON 10 10 Timmins...would be a move from 620.
 720 BC 10 10 Kelowna...or 730 Vernon
 730 BC 10 10 Vernon...or 720 Kelowna
 730 NF 10 5 Grand Falls
 730 ON 25 25 Timmins...CKGB-680 is moving here
 750 BC 10 5 Castlegar/Trail...or 760
 760 BC 20 5 Castlegar/Trail...or 750
 790 NB 10 10 Sackville
 810 AB 10 10 Peace River
 820 AB 50 50 Calgary...would be a move for CHQR-810.
 820 NS 50 50 Halifax...or 10 10 Sydney, but not both.
 850 NF 5 5 Spaniard's Bay...CHVO is on.
 870 AB 50 50 Red Deer(CKRD-850). Note 880 Edmonton.
 880 AB 50 50 Edmonton...too close to RedDeer-370.
 890 AB 50 50 Edmonton(St. Albert) now deleted.
 900 BC 1 1 Penticton
 950 SA 10 10 Saskatoon
 960 PQ 1 1 Mont-Joli...once turned down.
 990 PQ 50 50 Montreal. CKMH-930 application.
 1010 NF 10 5 Gander. CFYQ-1350 application.
 1030 NB 50 2½ Moncton...or 1040 Sackville.
 1040 NB 10 10 Sackville...or 1030 Moncton.
 1110 ON 10 10 North Bay...under construction.
 1170 SA 10 10 Saskatoon
 1180 BC 50 50 Vancouver or 1200 Victoria
 1200 BC 50 50 Victoria or 1180 Vancouver...CKDA-1220 most likely.
 1210 BC 10 6 Clearwater...not MB as listed.
 1230 AB 1 ½ Camrose
 1230 NT 1 1 Frobisher Bay. CFFB-1210 is moving here.
 1240 ON 1 ½ Espanola
 1260 BC 10 10 Nanaimo
 1300 AB 50 50 Edmonton
 1340 NF 1 ½ Cornerbrook...3 applications here.
 1340 PQ 1 ½ Jonquiere...once turned down.
 1340 ON 1 ½ Iriquois Falls...application
 1350 MB 50 50 Winnipeg
 1360 AR 10 10 Calgary...the 1380 CP may move here to avoid 1390 Hat.
 1360 AB 50 50 Westlock...note CFOK-1370
 1360 NS 50 50 Halifax
 1360 ON 10 10 Walker-Hanover...once turned down
 1380 AB 10 10 Calgary...under construction but may move to 1360
 1390 AB 10 10 Medicine Hat...under construction.
 1400 ON 1 1 Cochrane...application
 1400 ON 1 1 Espanola
 1400 BC 1 ½ Kimberley
 1410 SA 10 10 Moose Jaw
 1430 NB 10 10 Bathurst
 1450 AB 1 ½ Canmore...application
 1490 MB 1 ½ Virden
 1600 AB 50 50 Calgary
 1600 ON 2½ 2½ Cornwall

From lists of the CRTC.
 John Oldfield & Brian Vernon

Martí had not yet received Congressional approval. "The problem of Cuban interference," she said, "which is now assuming national proportions, needs to be addressed as a separate issue from Radio Martí."
 The broadcast's news programs, which were described as "an up-to-date news break," carried a heavily ideological tone, stressing developments in Central America and Cuba and including news from Angola, where Cuban troops have been supporting the Government.

'Affront to the United States'

Vincent T. Wasilewski, president of the National Association of Broadcasters, a trade group representing more than 4,600 radio stations, called the Cuban action "an affront to the United

States listening public as well as to American broadcasters."

Cuban radio broadcasts have been directed at the United States in the past, with a major effort undertaken in the 1960's. Monday night's broadcasts were, according to Janice L. Langley, an F.C.C. spokesman, "more high-powered, and more stations were involved."

One of the targets, radio station WHO in Des Moines, operates at 1040 kilohertz, the frequency the Administration proposes to use for Radio Martí. Officials of the station, where Mr. Reagan once worked as a sports broadcaster, have complained in Congressional testimony that use of its frequency would make the station vulnerable to Cuban jamming.

"You better believe we're troubled by what happened last evening," said Abe Barron, general manager of the station, "but technically there's nothing we can do about it except try to prevent Radio Martí from becoming a fact of life on 1040. Otherwise, it literally puts us out of business at night. It would be devastating. It would prevent us from being heard much beyond 30 or 40 miles beyond Des Moines."

The Cuban broadcasts also disrupted programming on radio station KSL in Salt Lake City, which operates at a frequency of 1160 kilohertz.

The broadcasts were also carried on frequencies of 570, 670 and 1380 kilohertz. "We are bringing you the world news and some good Cuban music for your enjoyment," the radio said.

Some rpts say 650 kHz instead of 670. Are these BCs still in use or were they for only one night? bp

DX WW II

EDITED BY
PETER V. TAYLOR
2614 JACKSON STREET
SAN FRANCISCO, CA. 94115

TRANS - P A C I F I C

ALASKA - The Sand Point CP requesting KSDP is for 840kHz. However, maintaining my record, I have lost the freq. for the CP just granted the KVAK call letters in Valdez. I'll have it by next time! (PT)

CHINA - There is indeed a Fujian station on 505kHz (504.86v, drift) and thanks to CAT for confirming this. (CAT, Okinawa)

GUAM - KUAM-630 has apparently been Eting their new 50kw XR as noted //612 with a powerful signal (CAT)

HAWAII - KIPO-1350 (ex-KIVM) Lihue has requested 570kHz 5kw U1. (B'casting). KPUA Hilo is listed in the B'casting yearbook & NRC Log as being on 670. However, a hearing is taking place on their request for a power increase (presumably to 10kw) in conjunction with a 670kHz application for Waimea, Kauai. These would be our first co-channel Hawaiians (PT)

MONGOLIA - R. Ulan Bator is on 882/1233/1350/1395 with 1600 s/off (YK in FERC)

PHILIPPINES - DWGJ-1494 Pasong Tamo, Makati, Metro Manila, is correct call. 10kw XR is at Bulacan, Bulacan and uses equipment and site of former DWEE/DZCH-1600 (CAT)

T R A N S - A T L A N T I C

AFGHANISTAN - Kabul is on 666, not 657 (FERC)

ALGIERS - RTA is 24h in AA on 531/549/576/891/1098kHz; from 0500-0800 (to 1100 Fri.), 1100-1400, 1400-1600 (Th. & F.) and 1600-2200 in Kabyle on 693/1422. The French program is on 1304 from 0458-0805, 0805-1058 (Fri.), 1058-0005. The FF news is on 693/1304/1422 from 2200-2310. EE is on 1304 from 2000-2030, and SS from 2030-2100. SS for Chile is on 1422 from 0005-0032. The PLO's program in AA is on 1702-1800 on 531/549/576/891/1098, and the Voice of the Free Sahara in AA and/or FF is on 2200-2300 on 576/927 (unconfirmed)(BBC)

CYPRUS - Radio Bayrak, which has already experienced problems earlier this year due to their slow payment for their XR, was to face a partial trade union worker strike 8/17-22. If the workers' demands were not met, the station would be closed indefinitely (BBC)

ISRAEL/INTL. WATERS - Voice of Peace heard on 1359kHz in Sweden but still announcing 1540 (BN in ARC).

ITALY - RAI 3 heard on 1602kHz, new frequency (SCDX via ARC)

KUWAIT - Sulaibiyah 540/1134 are on 0225-2210 in AA. Magwa-1341 is on 0200-2100 with EE 0500-0800 & 1800-2100 (BBC)

MALI - Bamako-1431 observed drifting 1428-1430kHz in Sweden (GW, ARC)

MOROCCO - Network "A" in AA is on Sidi Bennour-540 (600kw), Oujda-594 (100kw), Sab 'Uyun-612 (300kw), Laayoune-675 (50kw), Rabat-819 (25kw), Ksar es Souk-864 (15kw), Agadir-935 (600kw), Marrakech-972 (1kw), ad-Dakhla-999 (5kw), Safi-1026 (1kw), Tetuan-1053 (10kw), Casablanca-1080 (1kw), Tangier-1116 (1kw) and Ouarzazate-1116 (15kw) 24h (also on 209kHz, Azilal, 800kw). Network "B" in FF is on from 0600-0100 on Agadir-774 (50kw), Oujda-828 (100kw), Tetuan-1017 (20kw), Rabat-1026 (1kw), Sab 'Uyun-1044 (300kw), Marrakech-1152 (1kw), Casablanca-1188 (1kw), Agadir-1197 (20kw)(to 1400,) and Safi-1323 (1kw). Network "C" is on from 0600-0100 on Sab 'Uyun-702 (140kw), Tetuan-918 (5kw), Agadir-1197 (20kw) (from 1600), Rabat-1296 (1kw), Casablanca-1485 (1kw) and Marrakech-1593 (1kw) in SS 0600-0900, EE 0900-1200, and Berber from 1200-0100. Radio Mediterranean International-1233 Tangier is on from 0600-2200 in AA & FF (BBC) (No reference is made to the powerhouse on 1053 reported by the BBC earlier this year - PT)

NETHERLANDS - To answer my own question in the last DXWWII, Radio Veronica is one of the 8 organizations producing programs for Dutch radio, and as such, shares time with the others (see WRTH). I don't know what times the Veronica programs are on (PT, who thanks Lars Ryden for the information.)

QATAR - Doha-675 and Al Arish-954 are on 0245-2130 in AA. The EE program is on Al Khaisah-999 from 0300-1430 and 1233 from 1430-2200. The Urdu program is on 1485/1602 1600-1800. The Folk Program is on 999/1233 (to 1430)/1602 from 1200-1600 (BBC)

SOUTH AFRICA/BOPHUTHATSWANA - I may be misinterpreting this, but it looks like TWR signed on from here on 7/4/82 on 540kHz. Perhaps they are leasing time on someone else's XR. Their programs are on 0700-0855 M-Sat & 0700-1030 Sun (presuming these are +2 times, they'd be 0500-0755 M-Sat & 0500-0830 Sun.) This is from the S.A. DX Club. More info shortly - PT

UNITED KINGDOM - New IBA stations going on this year: Wiltshire Radio-936//1161, Swindon; Radio Wymern-954, Worcester; Red Rose Radio-999, Preston, Lancs.; Saxon Radio-1251, Ipswich (TL in ARC)

ARGENTINA - LR1-1070 is 110kw as per their ad (ARC). LRA28-620 R. Nac. La Rioja (ex-R. J. V. Gonzalez). LRA29-900 RN San Luis (ex-R. Granaderos Puntanos). LRA26-1150 RN Resistencia (ex-R. Chaco). LRA16-580 (ex-560) and LRA22-790 (ex-830). LRA59-720 RN Gobernador Gregores, and LRA58-890 RN Rio Mayo, are new and are on 1100-1630, 2100-0200. R. Belgrano-950 is 24h.(G. Barrera/Frendx). LU29-1430 R. Las Flores ex-Em. Condor (WRTH via ARC). YVLT-830 R. Sensacion is being noted on 835 in S. Africa (SADXC).

BOLIVIA - CP204-640 R. Tarija is 10kw, 0930-1330, 2000-0100 (WRTH via ARC)

BRAZIL - ZYK278-600 R. Gaucha is ex-680 with 100kw. ZYK275-680 is ex 600 with 50kw (or 100kw). ZYJ218-1210 R. Universo is 10/.5kw.

CHILE - CB141-1410 R. Litoral ex-R. El Litoral. CC152-1520 R. Nueva Soberania ex-R. Soberania. (G. Barrera via WRTH). CB98-980 R. Agricultura, Valparaiso, 10kw; ex-970. CA111-1110 R. Chanaral ex-630. CD108-1080 R. Los Confines, Angol, ex-630. CB110-1100 R. Recreo, Vina del Mar, 10kw, ex-1080. CA109-1090 R. La Portada, Antofagasta, ex-1110. CB121-1210 R. Vina del Mar, ex-1240. CC62-620 R. Bio Bio, Concepcion, ex-1260. CD135-1350, R. Cabo de Hornos, Puerto Williams, ex-1300. CB157-1570 R. Transandina, Los Andes, 10kw and ex-1470. CB149-1490 R. Chena, San Bernardo, ex-1480. CD134-1340 R. Melleco, Victoria, ex-1490. CC135-1350 R. Central, San Carlos, ex-1560. And the DX pgm. on CB57-570 we noted in the last DXHWjr. is on from 1400-1430 rather than 1300-1400 (Gabriel Barrera, Buenos Aires, via Glenn Hauser/Frendx)

COLOMBIA - The following are all new CARACOL: HJED-820 ex-LV del Rio Cauca; HJKC-850 Bogota ex-Em. Nuevo Mundo; HJAI-1040 Barranquilla, ex-R. Tropical; HJBC-1090 ex-LV de Cucuta; HJII-1090 Sogamoso, ex-LV del Oriente; HJFI-1150 Armenia, ex-Pregones del Quindio; HJFX-1180 Manizales, LV del Ruiz; HJDV-1260 Ibague, ex-R. Cacicque; HJBH-1420 Santa Marta, ex-R. Magdalena; and HJLS-1520 R. Popayan. New stations: HJQS-860 R. Rumbos, Cucuta. HJDD-900, R. 900, Cucuta, 30kw. HJRF-1030 Ondas del Cesar, Aquachica 15kw. HJOL-1030 R. Gentil, Valledupar 10kw. HJUB-1040 15kw, Pasto; R. Rumbos. HJSY-1040 Ecos del Paletara, Popayan 10kw. HJIO-1050 LV del a Conquista, Granada, 5kw. HJCK-1060 Brisas del Betania, Neiva, 15kw. HJGD-1110 LV del Rio Arauca, 5kw. HJEC-1160 San Jose de Cucuta, Cucuta, 10kw. HJCO-1210 R. Fundacion, 3kw. HJGV-1230 R. Rumbos, Bucamaranga, 15kw. HJQR-1260 LV de la Fraternidad, Santa Marta, 5kw. HJSO-1280 R. Playa Mendona, Barranquilla, 5kw. HJNE-1290 LV de Ariari, Granada, 1kw. HJPC-1320 Esquina del Progreso, Fundacion, 5kw. HJQI-1320 R. Leda, Isla San Andres, 5kw. HJNP-1340 R. Comunal, Casa Cura, 1kw. HJPP-1340 R. Mil, Cucuta, 5kw. HJKV-1360 R. Zaper, Zapatocha, 1kw. HJGM-1400 LV del Niquel, Montelibano, 5kw. HJSN-1420 R. Lenguerke, Latacota, 1kw. HJCK-1430 R. Sensacion, Yaramal, 2kw. HJWP-1430 R. Rumbos, Barranquilla, 5kw. HJVV-1460 R. Multicolor, Barranquilla, 5kw. HJSH-1500 Ecos de Ricaurte, Moniquira, 5kw. HJUW-1500 LV de la Florida, Manizales, 1kw. HJUH-1510 LV de Cienaga, 5kw. Other changes: HJCN-1100 R. Reloj now 30kw. HJVA-1160 R. 24, ex-El Mundo en Bogota; new calls are HJCK. R 5-60/LV de la Pampa ex-R. Almirante. HJMM-1460 LV de Amalfi 3kw 1100-0300. HJTW-1500 R. Sumapaz, Fusagasuga, 5kw 0900-0400. (WRTH via ARC)

COSTA RICA - TIMMC-1600 R. Golfito is 24h. Aptdo. 5352, San Jose (ARC)

CUBA - Cuba unleashed some of its superpower XRs Monday evening 8/30 between 2300-0300 on 570/670/1040/1160/1380 with the "Voice of Cuba" in EE (SF Chronicle, 9/1/82)

DOMINICAN REPUBLIC - New 1kw stns. on 1170 at Monte Cristi and on 1570 at Jarabacoa are planned. HI...1500, R. Color, Higüey, is new; 250w.(WRTH via ARC)

ECUADOR - HCEP5-1570 Escuelas Radiofonicas Populares ex-1045 (JOE in ARC)

EL SALVADOR - Radio Universal's stations have moved off 780. New freqs are YSKL-770 San Salvador, YSKLB-760 San Miguel, YSKLC-760 Sonsonate, YSKLD-765 Usulután, and YSKLE Ahuachapan, deleted. YSF-840 (R. Vanguardia) and YSHQ-1330 (R. Progreso, 10kw) are both on 1100-0400 (WRTH via ARC)

HAITI - 4VEE-1500 R. Citadelle, Cap Haitien, nominal freq. 1370, earlier reported on 1145 (ARC)

HONDURAS - HRBT-810 R. Valle, Cholulteca, now 5kw. HRTL-1120 R. Fiesta, Tegucigalpa, 1kw 24h. HRRD-1310 R. Majestad, Juticalpa, 2kw, 1000-0400 (reported on 1307) (WRTH/ARC)

NICARAGUA - YNOL-820 R. Ondas de Luz, Managua, has reduced power from 15kw to 7kw. On 1200-0400 (WRT via ARC)

PANAMA - Servicio Nacional de Rdif., Bocas del Toro, is on 1015kHz (WRTH via ARC)

PARAGUAY - New-1040 R. Aratissandu, San Ignacio de Misiones, 5kw 0800-0300 (WRTH/ARC)

PERU - OAX2J-730 R. Sudamericana, Trujillo, back on with 1kw. OAX2W-850 R. Atahuallpa ex-1030. OCX4I-1080 R. Huayllay, Pasco, ex-1590. OAX7H-1130 is back here, ex-670; R. Puno. (WRTH/ARC). O.4.-610 R. Favorita, Lima, new; no other info available (SCDX/ARC)

PUERTO RICO - Re: WGF6-1580 Morovis, 1kw. I believe what's actually happening here is that they have requested 2.5kw U3 (PT).

TURKS & CAICOS - Caicos Beacon will be on 1570 and 1030 (rather than the previously reported/advised 1020) according to NASWA (via ARC)

URUGUAY - SODRE CX6-650/CX26-1050/CX38-1290 Montevideo are on 0850-0300 but CX38-1290 Camelo is only on 1200-0300. CV121-1210 R. RBC new, 250w. CW142-1420 LV de Artigas 10kw is on 0306-0301 (ex-1424). (I hope their s/off annc't. isn't too lengthy - PT) (WRTH/ARC)

Credits: ADXN - Australian DX News. ARC - Arctic Radio Club. BBC - BBC Monitoring Service (copyrighted). CAT - Charles A. Taylor, Okinawa. FRENDX - Glenn Hauser, Knoxville. NZDXT - NZ DX Times. SADXC - South Africa DX Club. SCDX - Sweden Calling DXers. WRTH - World Radio TV Handbook. What western hemisphere stations are being heard in South Africa in June & July? TWR-800 HJED-820 HJKC/KOA-850 WTOP-1500 WLAC-1500 + oodles of Brazilians, which are also being heard in Scandinavia like they were going out of style... We did get to see Lars & Marguerite Ryden during their CA visit and hope they had a good flight back to Stockholm. Thanks as usual to our contributors and of course to all of you for your support.

A Friendly Little Visit by Don Moore

When I finally had a free weekday afternoon from Peace Corps training, my immediate decision was to head home, get my camera, and go out and visit a radio station. I knew where the studios of Union Radio, Radio Capital, La Voz Evangelica, Radio America/Radio Moderna, and Radio Panamericana/Radio Comayaguela were located, so, which one? Well, I chose the latter pair as Panamericana is probably the best heard Honduran station in North America.

I soon found myself discussing a little about the stations and looking at reports with the young chief engineer, Oscar Andino (who speaks excellent English). As he explained, the majority of their reports (Panamericana only, Comayaguela hasn't gotten any) come from the N.E. and midwest U.S.A. and eastern Canada. Fewer from the west coast and Europe, and they've never received one from Down Under that he knew of. On his desk was a cassette report made by an Ohio DXer on February 24, 1982 -- just 23 days previous. The reply, all ready to go and in the addressed envelope, was sitting beside it. Though they now verify by letter, he did hunt up an old QSL card for me.

The small office is located in Comayaguela, about ten blocks from the Presidential Palace in Tegucigalpa (the two are twin cities). Six rooms and a small secluded patio contain the studios of both the co-owned stations, as well as the offices and an extra studio where recording is done. They have been located in this site for three years, having previously been in a building off Parque Central. Radio Comayaguela is 32 years old and Radio Panamericana is 18 years old.

In the studios they have a variety of new turntables, recorders, and mixers, mainly Sony, Akai, and Sansui. Apparently they restocked their equipment when they moved as it was all new and in excellent shape.

The stations consist of Radio Comayaguela, HRXW, on 740 kHz with 1 kw. This station broadcasts ranchera, Latin American, and light pop music. Radio Panamericana is unique in Tegucigalpa. It plays nothing but EZL instrumental music. No vocal music at all and no news, so the only announcements are not very frequent IDs and ads. Radio Panamericana, HRYW, operates on 945 kHz with 2.5 kw and 96.0 MHz FM, with 1 kw. All the transmitter equipment is Collins and, along with the 72 meter high antenna mast is located on a hill outside town. I neglected to ask how they get the signal out to the antennas, but I assume it is a studio-transmitter radio link as I recall a small mast on the roof. Both the stations transmit 1200-0600 GMT daily. Along with CE Oscar Andino, who handles verifications, I also had an interesting chat with owner and founder Humberto Andino. Should you ever be in Tegucigalpa and wish to visit them, look for their neon sign; it features the two station names and a large cactus!

.....
below:
via Bill Block
Right: San Jose Mercury News 9-8-82, via R. Wien

Stations tune in new formats

TWO well-known Bay Area radio stations are leaving the airwaves, and their frequencies are being taken over by new stations with different formats.

San Jose's KXRX-AM (1500), one of the area's oldest stations, will go off the air Monday. The station has been on the air since 1948. Taking its place, beginning at 5 a.m. Tuesday, will be KHHT-AM, which will be known on the air as "K-HIT 15," and will feature "adult soft-rock" from such artists as Santana, Foreigner, Melissa Manchester, the Doobie Brothers and Toto.

"KXRX-AM isn't really leaving the air, so much as it is changing call letters. It's not really a radical change from the station's present format. We've been living with the image of the news-talk outlet since changing from our all-news format a year and a half ago," said Dave Ware, who'll be program director for KHHT. "It's mainly an identification problem. This is a brand-new start to a brand-new radio station."

The other station casualty is San Francisco-based KMPX-FM (98.9), which went off the air last week. The station had been sold within the last year. It has been replaced by KQAK-FM, with a rock music format.

PETER PENGUIN'S PUZZLE - D

from The Muz Page by Betty DeBano ©1982 Universal Press Syndicate

Peter Penguin is holding some words that remind us of radios. Each of the sentences below has one of the words hidden in it. We have done the first one for you. See if you can do the rest.

1. Jill is ten years old.
2. Your ad, I observe, is funny.
3. Why is he so underweight?
4. That ape seems happy.
5. The horse trotted away.
6. Ted is coloring pictures.
7. Is there cord around the box?



The Emisoras Unidas Network by Don Moore

This is the complete up-to-date list of stations owned by Emisoras Unidas, of which HRN is the main station. While there are three Radio Centros and two Radio Exitos, each are different stations. Only HRN uses repeaters. Their FM aerial is 5600 feet above sea level. They get more reports for 93 MHz than for the MW channels. All stations operate 1100-0500 GMT except Radio Satellite, 790, which is 24 hours.

HRN news or sports coverage can be heard on any of these (depending on the importance of the event or game) as well as on almost any other Honduras station. Which means HRN IDs could be heard on any Honduran Station. During sports coverage the ID often simply goes "Aqui la N" (a-KEY la en-à) or "Here's the N".

All stations within a city are housed in the same building. The building in Tegucigalpa has seven studios -- for seven stations. The antennas, however, are located in five different locations around Tegucigalpa to avoid cross-modulation.

Reports on any station listed here could be sent to Emisoras Unidas, Apartado 542, Tegucigalpa, Honduras.

<u>HRN, La Voz de Honduras</u>		<u>Other Tegucigalpa affiliates</u>	
660	3kw La Ceiba	640	Radio Exitos
	10kw Siguatepeque	700	Radio Reloj
670	10kw Tegucigalpa	720	Radio Television
	(Main station, the rest are	790	Radio Satellite
	repeaters)	850	Radio Centro
680	10kw San Pedro Sula	1030	Estereo Mil
	1kw Santa Rosa de Copan	92.1FM	Estereo Mil
	1kw Juticalpa	<u>San Pedro Sula Affiliates</u>	
	1kw Danli	720	1kw Estereo Rey
690	1kw Comayagua	740	1kw Radio Eco
	1kw Choluteca	780	10kw Radio Norte
5875	-- Tegucigalpa	950	3kw Radio Exitos
	(Currently inactive but kept	FM:	
	maintained for emergencies)	105.9	1kw Estereo Rey
FM outlets:		<u>La Ceiba Affiliates</u>	
93.0	5kw Tegucigalpa	760	1kw Radio Caribe
95.5	1kw San Pedro Sula	900	1kw Radio Centro
		<u>Choluteca Affiliates</u>	
		900	1kw Radio Centro
		1280	1kw Radio Choluteca

Below: Seattle Times, 9-1-82
via Rick Svajdlenka
Right: Communications News 9-82

DEVELOPMENT OF TECHNIQUES TO ASSESS INTERFERENCE

to the MF Broadcasting Services Report 82-90 describes a program to gather additional data to define the problem and to use the data to develop spectrum management tools to improve the use of the broadcast frequencies. The problem is expected to be particularly troublesome during the night time hours when the skywave component of a medium frequency signal becomes important because ionospheric absorption is reduced. National Telecommunications and Information Administration's Institute for Telecommunications Sciences has initiated a data-gathering program in Puerto Rico to develop an accurate method for predicting the strength of MF skywave signals propagating over long distances. The improved model will provide a technically acceptable tool for assessing the interference potential to current US operations. 64 pages. Price: \$9. Order from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161.

KING to go all-news on radio

evident segments in the "newsradio" format that KIRO already offers.

"This KING format will allow listeners to become completely updated at any time of the day or night," said Edith N. Hilliard, KING-AM general manager. The format will draw on national and international news from NBC Radio and CNN II, a radio service from pioneers of all-news on cable TV.

KING-AM's music-oriented air staff was given notice of the change Monday.

John Erickson, news director, will expand the station's news staff. Material from KING-5 TV news and the King Northwest Network also will be used on the radio.

KING-AM will become an all-news radio station Oct. 4, officials of King Broadcasting Co. announced yesterday.

The "soft-rock" music format of the past two years will disappear in October, to be replaced by what the company says will be "the only 24-hour, all-news radio station in the Pacific Northwest."

Apparently KING-AM will have no sports broadcasts, talk shows, drama or religion features --



KRNT RADIO

KRNT CENTER - 9TH AND PLEASANT
DES MOINES IA, IOWA

1350



the irca technical column

Editor: Nick Hall-Patch
1538 Amphion St.
Victoria, B.C. V8R 4Z6
Canada

The Kenwood R-600

by Bruce Portzer and Tim O'Hare

The R-600 is a cute little thing, about 4" high by 8" wide by 6" deep. It has digital readout, built-in speaker, noise blanker, RF attenuator, wide (± 6 kHz) and narrow (± 3 kHz) AM modes, SSB (USB, LSB)/CW modes, tape and headphone jacks, S-meter, and tone and volume controls. It can operate from AC mains or 12 volts DX. The price is in the \$350 range.

The receiver was designed for extremely simple operation. Tuning a station in requires only the main tuning knob and the MHz selector, as opposed to 3 or more things to tweak on many other receivers. Other controls include only the bare essentials.

The following comments on the R-600 are based on one Tim recently purchased:

Medium wave performance (I'm sorry to say) leaves a bit to be desired. Sensitivity seems okay. Tim hasn't heard anything on his SPR-4 that he couldn't also hear on the R-600, but with conditions the way they've been that's not saying much! The 3 kHz selectivity seems adequate; Tim has heard a few TP splits on the thing recently. However, the R-600 seems to overload quite easily. Tim can't use his Space Magnet with it because it overloads the receiver, even with the attenuator switched in. His random wire keeps the signal levels down to something reasonable, but the receiver still overloads on strong locals. Various spurs from local KVI-570 are present on 531, 555 etc. And a continuous background of KIRO-710 audio is present between channels from 720 to 760. KOMO-1000 is quite potent on 2000 kHz and a strong mix between KOMO and KJR-950 was noted on 1950. 660 and 840 had jumbles of audio from unidentified locals. An unamplified loop would probably improve the situation a great deal but so far we haven't tried one with the R-600.

Longwave performance seems good. Kenwood claims the receiver will operate down to 150 kHz, but LORAN signals on about 100 kHz were also noted. The longwave band is surprisingly free of BCB spurs.

Shortwave performance is good. Lots of signals could be heard on the SWBC bands. The receiver was quite stable on amateur SSB stations, but required careful tuning.

With the antenna disconnected, no carriers were noted on the BCB (not even 910 kHz) and almost no signals from locals. The set is apparently well shielded inside. The noise blanker works extremely well on certain types of noise. In one case, a beacon on about 200 kHz which was buried in noise became perfectly clear when the blanker was switched on. But it was completely ineffective on other types of noise.

The R-600 becomes surprisingly warm after it's been on for awhile. There doesn't seem to be any significant "warm-up" drift, however. As long as the ventilation holes are kept uncovered, this shouldn't present any problems.

In conclusion, the R-600 seems to be an average to above average performer on short wave. Medium wave performance is not nearly as good. For the money, there are better medium wave rigs on the market.

* * * * *

---There's been some questions about replacing the 3FT7 ballast tube in the R-390A; it's a rare beast. I seem to recall something in DX Monitor some years back about replacing this unusual tube with a resistor, but can't find the article. Can anybody help out on this question?

---AM radio IC: "The TEA5550 performs all AM-channel functions between the antenna and audio amplification stage in car radios. It offers large signal handling capabilities and low noise and can operate with ceramic IF filters and variable capacitance diodes." Also can perform some FM radio functions. Info from NV Philips Gloeilampenfabrieken, Elcoma Div, Box 523, Eindhoven, Netherlands.

* * * * *

and speaking of the Netherlands:

News from Europe

via Ben Peters

---First from FUNK (W. German radio magazine): They tested the Philips AL-990 (this is the one with the RF-2200 style LW/MW rotatable loop. Basically, they felt it was not a DX machine, though the loop worked well. Selectivity wide enough to need a 5 kHz audio notch filter, and the readout

lags behind the tuning knob, allowing overshoot of the desired channel.

---A new receiver soon available from Braun (of Nürnberg, W. Germany), with an emphasis on dynamic range--SW third order intercept of +26 dBm. Price about US\$1500, but a kit will be available. Basic receiver is a 2 meter ham receiver with upconverters in front of it for coverage of lower bands. Uses crystal and ceramic IF filters as well as 2.4 kHz audio filter in the basic 2 meter receiver.

---Rumor has it that the Panasonic RF-3100 is out of production in Japan. Any other word on this? Also from Japan, the RF-799 (Panasonic's answer to the Sony ICF 2001), will not be available in W. Germany. (What about U.S.?)

---R. West 22 $\frac{1}{2}$ " loop tested here against the Martens loop; brief results: Equal signal output to Martens when that loop used without feedback; nulling on the R. West loop somewhat better. But when Martens loop has feedback switched in, it is much more sensitive and selective than the R. West loop.

---SMAA published a circuit for a MW loop/random wire preamplifier which uses feedback for additional gain and narrowband tuning. (Ed. note-- schematic available from NRI. Unfortunately, European FEI with no direct U.S. counterpart is specified. Coil arrangement might require some improvisation also)

---"Audio" magazine (January 1982, pp 30-35) has an article by Richard Yodafferi describing an "AM Superloop". Rather huge (80"x61") and is intended to boost receiver sensitivity without amplification on MW and LW, rather than give sharp nulls or tight selectivity. The author intends to experiment with a 20' tuned loop!

---The "Backcountry Booster" is a 1 $\frac{1}{2}$ "x2 $\frac{1}{2}$ " plastic wafer which allows one to couple a random wire into a portable radio with an internal antenna. Can also be used to couple in an external loop antenna, and seems to work better than inductively coupling the external loop to the radio. Info available from P.O. Box 85, McCall, ID 83638. Costs US\$29.

---Remember the Telefunken E1700 mentioned in QM of Mar 13/82? Now priced at US\$12,000; most of us can forget it again!

---Two new SONY portables (the ICR4000 and the ICF-7600 AM) have been tested by Keltweit Hünen (German hobby magazine--May '82) and found to have quite good SW. Selectivity figures are 4.9/13.2 kHz--6/60 dB on the 4800, and 4.6/12.1--6/60 dB on the 7600. Sensitivity: about 40 uV (4800) and 30uV (7600) on MW. SW performance of both units is also praised, especially the ICF7600 AM, as it is double conversion on SW which gives fair/good image rejection; SW sensitivity: about 2 uV (4800) and 2.7 uV (7600). The 4800 uses batteries only, The 7600 can be used with an AC adaptor.

* * * * *

The Realistic 12-650

by NRI

Billed as "the finest, high performance AM/FM portable radio we've ever offered", the 12-650 is also described in the blurb as "a super radio", and yes, it does look a lot like the GE 7-2280 Superadio. The designers obviously had the Superadio in mind when they created this one; bass and treble controls, big dial, AM and FM both with RF amplifiers, lots of audio power and large speaker. Cosmetically, it is quite a nice radio, but it has this big knob on the front which is the volume control, right where you'd expect the tuning control. The tuning knob is on the side of the radio, and usually the volume ended up being adjusted when I intended to vary the tuning. No doubt one would get used to the knob arrangement with time.

In this review, the 12-650 was compared (perhaps unfairly) to the Realistic 12-655 "TRF", with added "Shotgun" loop and transfilters in the IF stages.

First, a quick peek at the schematic. As in the Superadio, IC technology is used, but the circuitry is radically different from the Superadio. A transistor RF amplifier with AGC is fed by a ferrite rod antenna (size unspecified), then a transistor converter circuit feeds a single element ceramic filter (rather like the one in the 12-655) which runs to an IC containing two IF stages, AGC and a detector. Another IC provides power audio amplification. FM circuitry involves a transistor RF amplifier, mixer and oscillator stages followed by IF amplification in the IF IC, but using separate internal circuitry from the AM IF section. Power is provided by 120 volt AC or 6 "D" cells.

Audio quality of the 12-650 is good, and the bass and treble controls provide a good adjustment of the tone of the sound--certainly better than

the 12-655. Audio power is variously given as 1 and 1.5 watts, but the radio has lots of oomph. But nice audio does not make a DXer's radio. What about sensitivity? Well, it certainly gets out of town stations, but on the summer evening we listened, there were no signals on 820, 830 or 840. The 12-655 with Shotgun dug out a weak WDAF-820. The Shotgun held up to the back and tuned up increased the noise level on 820, but no WDAF appeared. Without the Shotgun, WDAF was inaudible on the 12-655 also.

Selectivity is the real downfall of this radio, and a glaring design fault appears as a result of poor selectivity, at least on this one sample. You could hear 10 kHz hets (due to the good audio response and poor selectivity) on any channel which had a reasonably strong adjacent channel. Either a 10 kHz audio notch is needed for hi-fi audio, or better IF selectivity is needed. Naturally, strong TVI on 645 kHz mangled KFI-640 quite badly. The modified 12-655 showed no TVI interference on KFI at this point (both sets were using batteries). KDMN-720 was clean and easy to hear with minimal slop on the 12-655, but was virtually unreadable on the 12-650 due to a mix of audio, not splatter, from semi-locals KIRC-710 and CKLG-730. Some improvement in selectivity is definitely needed, but transfilters would not be practical in this circuit; better selectivity might involve replacement of the stock IF filter.

On a positive note, although the dial is not accurately calibrated for AM, it is large and has a log scale. A PLL-177 readout could probably be hooked up the 12-650, but there's not much space available in the front for the module. Signal handling seems reasonable; the only birdie was on 890 (2 x 900 - 2 x 455 = 890) under CJVI-900, but that appears on the 12-655 and other radios as well.

FM performance seems reasonable with the whip antenna, but dial readings were about .5 MHz off calibration. Only overload noted was within a few miles of a 100 kw transmitter. External antenna terminals are provided for FM (75 and 300 ohm) and AM, and 4 uV sensitivity is claimed for FM at the terminals, 15 uV for AM. With a 75' random wire, AM signals did increase in strength, but many birdies appeared. A random wire tuner or loop antenna would be best when using this terminal, unless no strong stations were nearby.

Overall, a nice-sounding and looking radio, but one which might need an external antenna, and definitely, a selectivity modification to make it truly useful for the DXer.

Thanks to Colin Newell for getting this radio for his mother on Mother's Day, and to her for letting me play with the device for a bit.

---from IDXCD via Derek Claridge comes word of the Sherwood SE-3 Phase Locked AM Product Detector, which appears to be a PLL synchronous detector as described previously in this column. It includes a buffer amp and an audio amplifier system, and one must specify 50 or 455 kHz IF frequency as well as filter bandwidths of the receiver when ordering. It appears that upper and lower sideband selection are available. Price is \$299, and information is available from Sherwood Engineering Inc., 1268 South Ogden St., Denver, CO 80210.

---late word from Armand DiFilippo on the Panasonic RT-799 mentioned above: receives FM, LW from 153-281 kHz, MW from 530-1610 kHz, SW from 2300-26135 kHz. Very like the ICF 2001, with LCD readout/clock and alarm functions; pushbutton recall of 10 pre-set channels, pushbutton up and down tuning (no tuning knob) and a "fast" tuning pushbutton. Power is from 4 "C" cells or AC. U.S. price given as \$249.95. More as it happens...

MOTLEY'S CREW



BY BEN TEMPLETON & TOM FOREMAN





Western DX Forum

★ ★ ★ ★

WCA - Serving the Broadcast Band DX'er Since 1964

Editor: Ric Heald, P. O. Box 4861, Santa Rosa, CA 95402-4861

GENE MARTIN, 3303 EAST EVANS AVENUE, DENVER, CO 80210

A couple of other international DXers have proved to me that they have better ears than I have when it comes to putting an ID on some distant station. Pat Martin in Seaside, OR and Chuck Hutton in Decatur, GA both listened to my tape from 1575 kHz on April 4 and both heard a Voice of America ID amidst the racket. The best I had been able to do with it was suspect Thailand- I had not even been certain that the male voice on the tape was English. They clinched the ID for me and thus VOA Thailand becomes my most distant station, and country number 75 from Denver. Pat Martin thinks my reception may be an Easternmost record for that station. Chuck Hutton also checked my tapes of Sept. 28 & 29, 1980 on the TA signal heard on 657 kHz both nights at 22pm ELT. On the 28th, there are pips on the hour with the final pip prolonged. Hutton's filtering equipment shows this to be five short pips followed by the final long one- and he suggests that it probably came from DDR, East Germany. Can any European DXer reading this confirm that DDR transmits its time signals in that manner? My 657 reception on 9/29 at 0300 GMT is undeniably from an Arab station but Hutton doubts it might have been Dar es Sallaam. So is there any informed European thought or information on a 657 kHz Arab on the air at 0300? As to the DDR possibility, I spent a couple of weeks in Frankfurt in August, 1980, but don't recall the style in which the East Germans carried their time signals. I returned with four cassettes of European reception- I have lots of wonderful stuff on them. My notes show that I taped on 657 a number of times but never across the hour. Well, I didn't know then that in a couple of weeks the pip arrangement of DDR would become an important question for me. You might say I was not planning to hear it in Denver. My sincere thanks to both Pat Martin and Chuck Hutton for their most valued assistance.

JEF JAISUN, 12860 136th AVENUE NE, KIRKLAND, WA 98033

Back from Europe a little earlier than expected, so I thought I'd grace these hallowed pages with a little trivia. I talked with KAYO/KSPL-1150 CE John Price on July 26 and he filled me in on the call letter/format change. The KSPL calls were approved by the FCC and went into use on August 2nd. The format has been changed to sort of a smooth MoYL format, but to me it has more of an EZL sound: Al Martino, Nat "King" Cole, etc. But the jocks are live and brighter than most MoYLS. John says the reason for the format change was obvious--a continuous drop in the ratings. The switch from talk to CW didn't pay off, so now they're trying something else in an effort to save the station. Incidentally, the station is up for sale, but so far none of the offers have been acceptable to the owners. This is the third format for the station in a year, and management is hoping it will pay off. As I told John, it may be tough in a market that has a lot of other stations playing basically the same groove. John says he hasn't received a reception report in eons. He read me the last one in his file, from Pat Martin. (Are you kidding??? Pat Martin DXing domestics, hi???) His comment on Pat's antenna array: "Boy, I'd like to get a look at THAT sometime." I told him he'd probably hear from more DXers now that he's got new call letters (not to mention the new tower set-up that became operational this spring). He's also interested in attending a future Big Zucchini Beverage Party. Maybe we can coerce him into joining IRCA, too, hi. (Big Zucchini, indeed, Rth. We haven't used that handle in quite some time, especially since there are no more chickens or zucchini out here. Only new condos and traffic lights, hi.) In any case, we have an obviously sympathetic CE at KSPL, and he'd love to hear from y'all. 73, Jef

ALBERT S. LOBEL, P.O. BOX 26762, SAN DIEGO, CA 92126

I have just returned from a week's vacation per my last report to WDXF and being that I was on the East Coast for a week's time am eligible to report to EDXF. I went on a cruise ship out of Miami to the islands of Nassau Bahamas, San Juan Puerto Rico, and St. Thomas U.S. Virgin Islands. The vacation itself was great. Not much was done while on vacation in the

way of any serious DX but I did do some casual listening. It was quite interesting to listen while at sea. We arrived in Miami on 18 June at around 1730. By the time we got to our hotel it was 1900 and we went to eat. We got back to our hotel room about 2100 and I did some DXing. It was wierd to hear the Cuban Stations all over the dial like locals. I tried for the Radio Moscow Relay but either it wasn't on or just not being heard. The next morning it was time to go to the ship. I didn't do any DXing that day. We arrived in the Bahamas the next morning. No DXing was done while on the islands but as we were pulling away that afternoon I went up on deck and DXed. Stations from all over the area could be heard. Most dominant were the Cubans and Miami area stations. As we got a little further out the South Americans could be heard very well. A few French speaking stations were heard. I assume these were from Haiti. The Puerto Rican stations really started booming in. After this time no DX was done until the afternoon we left the Virgin Islands. I DXed around 1630 on 23 June and noted that the most dominant stations were the Puerto Ricans besides the locals in St. Thomas. One breif note about the locals in St. Thomas; they are not very strong and can be easily nulled. I have no idea where it is actually located but here is a station on 1621 with a very low power that ID's as the Virgin Islands Relay. They are mostly religious but do play some interesting musical selections of a non-religious nature. They say they can be heard on all the Virgin Islands (US as well as British). After this no DX was done until we arrived at the Miami Airport on 26 June. We had to wait several hours for our plane and I listened for about 10 minutes. A few closing notes: even in port no DX could be done in the stateroom on board ship. The only thing heard was engine noise from the ships engines (and a few lately that have reported to both WDXF & EDXF that they think that car engine noise is bad!). However, when the ship was at sea a station could be heard on 535 that was the same as the piped-in music. I assumed the ship had its own station but could not use it while in port. This could be heard all over the ship. No DX was done on the planes going to and from Miami. I did ask the stewardess if it would be OK and she said no. Well, that's it for my Caribbean cruise report, 73, and good DX.

RANDY TOMER, 1969 27th STREET, ARCATA, CA 95521

Well, folks, Ric has found life in Arcata/Eureka to be so exiting that I have once again been coerced into typing the column (Ric held an elephant gun on me this time, hi). Actually he was forced into a last minute move from his apartment complex by the returning barrage of hell raising college students eager to party.

Albert, your forum was bounced around like a hot potato for awhile, then finally landed in Arcata at the same travel agency where Rth is being held captive. THOMAS NYQUIST: I think it was your forum that was lost in the shuffle. Please send in another one and let us know what you're up to. If anyone else's forum never shows up it probably suffered a similar fate, please send in another one.

Aaaargh, bummer, KIXI-910, Seattle has suddenly appeared on 880 kHz, there goes a prime West Coast LA DX frequency. The WC open clear channels are gradually disappearing one by one, thanks a lot FCC! If you're new to DXing and live on the WC, monitor the remaining ones as much as possible to hear some Latins before all the easy channels are gone; try 660, 700, 820, 830, 840, 890, 1210, etc before its too late. I'm sure gonna miss those wide open frequencies.

An interesting development has taken place in the antenna department, an uncle just gave me a humongous spool of 20 ga stranded wire; there must be five miles of wire in this spool. Should come in mighty handy when Beverige-itis sets in. Cx seem to have dropped off in the last week, after looking mighty promising during August. Hope to get some Bevereges strung out before the rainy season hits, but hard to find the time lately. 73, RET

Bruce Portzer-6546 19th Avenue N.E.-Seattle, WA 98115

Hi gang. Barring unforeseen snags, Seattle is planning to submit a bid for the 1983 convention; it's been 8 or 9 years since we've had a convention here, so we're long overdue, hi. Latest DX toy here is a 26 lb spool of #22 wire, probably about 7500 feet...unlike Randy, I had to pay for mine, but it was only \$12.78 at the Boeing Co. surplus store. George Hakiel-as far as I know, nobody manufactures a longwire phasing unit, however detailed instructions are available as an IRCA reprint. The KIXI move was certainly noticed here. I managed to log 7 stations in their null during the last two decades; after they changed frequency I relogged 6 of them in 8 hours! 73.

EASTERN DX FORUM

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

DEADLINES: Saturdays 9/18 9/25 10/2 then each Saturday until 3/19/83
Comments: Deadlines here will be on Saturdays due to Seattle's new deadlines in Seattle. It should make life here easier for me. Reporters are reminded that this column is intended for DX-related material. Other material is subject to being cut. You should report to your own Forum section, even while on vacation. I can copy single-spaced material OK here, though double-spaced material is preferred. If you slip, don't feel bad about it! The important thing is to report often...30.

C. M. Stanbury II, RR #1, Ridgeway, Ontario LOS 1M0

It is always interesting to note the strange patterns sometimes formed by apparently unrelated events. In the summer of 1981 I resigned as a contributing editor for S9 and by December had obtained a judgement in the courts against the magazine's owners, Cowan Publishing Corp. Clues as to why I resigned can be found in "From Jolly Roger to Susan Sontag" which appeared (despite some difficulties setting up the copy for their printer) in the Winter-Spring 82 issue of STREETS Magazine (Bloomington, Ind.). "From Jolly Roger to Susan Sontag" concludes in the Falklands and hit the streets of Bloomington about the time Argentina was invading these "remote" islands: certainly a lucky bit of timing. But back to fortuitous patterns. According to items appearing in "SWL" and FRENEX, S9's former editor, Tom Kneitel, is now attempting to start a new magazine, Popular Communications, which will have Gerry Dexter as SW editor. Meanwhile one of Dexter's closest DX friends, Don Jensen (himself a former contributing editor for S9), publishes an article in FRENEX which gives the impression that Swan Island was the only location involved in R. Swan/Americas operations - a subject I had touched upon several times in my own S9 column. By the way, I don't want to give the impression that I'm necessarily knocking the new "PopComm": it could be quite an interesting magazine - something along the lines of the old Electronics Illustrated - maybe. Best.

Gary Mitchell, 1234 Formosa North, Los Angeles, California 90046

(Gary says, "Use this address-future residence plus mail forwarded to me".) (First portion of Forum cut, as it is addressed to NRC, with specific questions and comments regarding their editorial policy--rce) ...Enough. Of special interest to many could be all these new beacons on 520-530, etc. They could be good DX indicators at least for low end. What's new? Nothing. I have not QSLed a reception in many many months. I am sick of throwing away 40¢ and until something changes I will probably not QSL again. Perhaps it will be AM stereo. If manufacturers designed receivers to sound better instead of 5¢ into AM part and \$200 into FM people would listen to AM again. Believe it or not, all technical info supports that AM stereo can sound as good as FM. Problems forgotten about are electrical QRM-interference-skip-fading, etc.-but within the primary coverage area I am sure it would help AM profits. (And maybe they would feel like QSLing again). BC stations are becoming computerized machines so a report on reception is sort of becoming non-QSLable. It takes a tape sent and who is going to spend time to listen? Anyway...I am a too busy person to submit to your reception lists usually. I tape while I listen and it usually takes a month for me to review tapes. (I do understand a QSL should go out next day). (sic--rce) I do not tape-swap anymore. The end was when I sent out the 2 stns in Yukon on tape and a reply came similar to: "Wow; I have Yukon now!" You collect all kinds of goodies on tape and they kind of become personal. Otherwise I have to spend 99% of my time amateur radio DXing. Got a couple 125 foot verticles now for 1800 kHz. It's driving me crazy to tune and load of which nobody would understand unless a BC station engineer. So that's it for now and start tuning up ears because MW DX starts again around now. (Exception-north-south parth which is always best in summer).

Mark J. Zavatsky, 196 Figlar Avenue, Fairfield, Connecticut 06430

Hello to everyone. This is my first writing to the Forum. I'm glad to have joined up again. I was a member last year, but didn't do too much reporting due to job and school and stuff. To introduce myself, I am 17 years old and going into my senior year in high school. I have been into ECB DXing for about two and half years now on and off. I enjoy

(Zavatsky, cont...) foreign DXing the most. The location is not too bad here. I am about a mile from the beach. Long Island is in front of me so I don't know if you can say I am on the immediate coast. The equipment here is a Kenwood R-1000 modified by Radio West with a couple of mechanical filters in it. The antennas are a 50 ft longwire and a Ferrite loop. Foreign countries heard total 32 with 7 TA's. Most of the TA's are the widely heard ones on the East Coast like Senegal, Guinea, France, Spain, West Germany, etc. Nothing too rare to jump out of my seat. I'm out there trying though, hi! By the way, nice catch George Hakiel on LRA-1 Buenos Aires; will be looking for that one. Well, till next time, 73's to all and GUD DX. (tel. 203-259-5417) (Mark, welcome to EDXF. Please report often--rce)

Bill Townshend, 4500 Connecticut Ave, #901, Washington, D.C. 20008
(202-966-8046) ANARC-1982 in Montreal, Quebec hosted by RCI has come and gone. Five IRCANs, including yours truly and Andy Felker and Bob Curtis, were among the 160-plus attending. The WADXA and V.O.A. may be hosting next year's ANARC convention here in D.C. To get off to a good start financially, a HAP-type auction was held during a WADXA GTG at Arlene Lusk's Silver Spring, Md. pad last Saturday night with 18 including Greg Monti and yours truly present. While at the "Farm Implements Capital of the World", midday bandscanning at the IRCA convention netted over 70 stations. When the convention proper ended, Sunday was free so I trekked 25 miles all over the Quad Cities, going into Davenport, Iowa via Rock Island and returning via Moline, listening to oldies all afternoon on WQUA-1230 and KSTP-1170. The day after the above-mentioned WADXA GTG was too cool for swimming so I trekked another 25 miles all over Montgomery County, Md. to Rockville, Md. and WINX-1600 round trip. I spent a half hour at their studio looking over an impressive collection of oldies tapes and chatting with the outgoing tape jockey Dave Ellis and incoming Jim Spencer and getting their autographs. I timed the visit during the shift change at 1700. Time for another SP. 73's.

Ernest R. Cooper - 5 Anthony Street, Provincetown, Massachusetts 02657
The IRCA 1982 Convention in the "Squad Cities" is now history, and it was a blast! But where were so many of you IRCANs? Only about two dozen of us made it to this rather centrally-located area! I'm convinced the IRCA is not a convention-type club, at least as far as the vast majority is concerned, but those who do attend have a great time, and this was the case at the Moline Holiday Inn! The Motel was a beautiful place; the area very attractive and friendly, the weather ideal, and the arrangements were handled beautifully by our host John Clemmer. The banquet too was a genuine sialogogue! I almost didn't make it, having misplaced my airline tickets at the last minute, but I was able to catch a later flight from here to Boston to meet my reservation on American Airlines to Chicago, and thence to Quad Cities via Mississippi Valley Airlines. (Yes, Virginia, there really is such an air line!) We had a fine tour of WOC-1420, WOC-TV and KLIK-FM, all in the same building, on Friday afternoon, 8/13, a large operation indeed! The Mississippi River is really beautiful and blue in the Quad Cities area, very unlike at St. Louis where it is mud-brown. It was nice to hear again stations I haven't heard in a couple of decades, like WOC-1420, WQUA-1230, KWNT-540, WDLN-960, etc.! (I can remember when I considered all of them (except WDLN-960) to be pests, hi--rce) You guys don't realize what fun you're missing by not going to IRCA conventions! We even played a seven-inning softball game, for which I was the umpire, and there was much talking back and forth about DX, both AM and FM, and everybody had a fabulous time. I was the only Board member present. Let's hope for more attendees next year! Forward Karch!

Glenn Hauser, Box 6287, Knoxville, Tennessee 37914

(This is the start of another multi-Forum report--rce) This year I'm compiling my "What I heard on my summer vacation" report right after returning instead of waiting a semiyear! Tho I have an MFJ SW converter for my Toyota caradio, ignition noise keeps me listening to AM & FM most of the time, and in fact I result putting in more MW tuning time, if not DXing, while en voiture than I do the rest of the year at home where there are many other distractions. I may not give specific dates, but most of this falls between August 5 and 17. WMSO, Collierville, Tenn. just E of Memphis, has completed its move to 630, preferring to ID as "Victory 63" (victory over the FCC's paperwork??); it has a gospel tone, as well as Tenn. net. Vane Jones had it on 1590, WRC Domestic Log on 1220. Spent some time on 1570 out west where XERF is clearer; the quintessential gospel huckster appears Fridays at 2145 EDT. I noted the XE on 660 slogganning as "La

(Hauser, cont...) Tropical de Oro", presumably the Mexico City one. I've been confused as to which timezone feed CBK-540 Sask observes; in the winter I confirmed it on Central, //CBW-990, but now it was another hour delayed so I guess during DST it observes Mountain, right? ("Mostly Music" was still going past 0100 EDT whilst it had finished on CBW.) Scanning the daytime dial in Enid, Okla. for oddities, I found Mexican Mx Sunday afternoon on 1130, from KLEY-1130, Wellington, Kansas, "con mas musica ranchera para el corazon mexicano"; several Spanish IDs but nx in English, then more Mex mx mixed with English; this around 1700, program ended at 1800 EDT, and they said it would return next Sunday. KXYZ-1320 Houston, once an ABC O&O, has really turned around into a Spanish station, "Radio Trece", with a good nighttime lobe into Enid thanks to Fort Smith's null. "Trace" on a Sunday at 2300 indicated it was all-night, but the following Friday night in Amarillo I heard them signing off at local midnight, opening the channel for a nice surprise--the station in Baja California Sur, listed in VJ as KESR, Santa Rosalia, 250 watts. But I progress... (to be continued--rce)

Tim Noonan, 7454 West Thurston Circle, Milwaukee, Wisconsin 53218

A hearty word of congratulations is in order to John Clemmer for his outstanding job of organizing this year's convention in the Quad Cities. I can't remember when I've had such a good time. Free time for conversation and promo trading (and a little sleep) was blended with organized events like a fine banquet, the business meeting, and a DX Quiz (where we found out if we could spell "Maquoketa", hi). For me the softball game, at which I was just a spectator, proved to be a chance for some good conversation. The IRCA auction, run by Robert Kramer, was most memorable for John Clemmer's incredible bid on a KFAT t-shirt. Thanks again to all the promo collectors I traded with, and especially to our very kind and capable host, Mr. Clemmer. Let me conclude with a few Wisconsin notes: WERU-1190 can be reached at 3392 Brooks Drive, Sun Prairie 53590; WEMP-1250 is no longer CBS and is 24h NSP; WZUU-1290 is also 24h NSP; WPDR-1350 has a new address of Box 300, Portage, and WQOL-1370's address is Box 461, Pewaukee, though the street address I gave earlier (June 12, p.11) can also be used. Mozart lives! (Only his music--rce)

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

It was an interesting convention in the Quad Cities. Memories of it will include waiting for an hour on the balcony for people to show up at the meeting room, only to find out there was a second meeting room where most of the guys already were. Also, Bob Kramer's wondering why only half of me was sunburned--it was just the normal run of the mill "1000 miles in 36 hours with the left arm out the window suntan" hi. Some of the guys had trouble spelling "Maquoketa", but I actually made it up there on Saturday as well as getting out to Wilton, Iowa. Best part of the convention, tho, was seeing guys I hadn't seen in five years or more. After leaving the Quad Cities, I went down to Springfield, Mo., then back to Michigan to see my dad before returning to Penn. I managed to drive some 3124 miles in 10½ days. Tim Noonan, the 1966 Milwaukee convention was hosted by Mike Shannon of Appleton and Tom Stoltzman of Stevens Point. I'll see if I can dig out the convention report for you. Gotta run. PTL.

DX Contests

The IRCA CONTEST, c/o Bob Harrington, P.O. Box 130A, Littleton, Colorado, 80131

Well hello again to everyone in IRCA. I've gotten some blck from the editors, and a few members on one rule for this year's IRCA CONTEST, the rule is about the listening spots to the Round Up editors for the contest. So I've just decided to change the rule to the listening for the contest will now go to me. You can mail your listening of 1 KW or less to me once or twice a month. There will be one point for stations under 1000 miles from your home, and there will be two points for stations that are over 1000 miles from your home listening location. Don't forget there are two contests, one is the graveyard and 1220 is the graveyard Contest, and the other contest is for any frequency other than graveyard and 1220 that is 1 KW or less. In other words your listening must be 1 KW or less for both contests. The entry fee is \$2.00 per contest, or both for \$3.75, more information about this years contest is in the next few issues of DX Monitor.

73c Bob Harrington, IRCA CONTEST MANAGER...

P.S.==Your listening has to be dated after Sept 15th, 1982 and before March 15th, 1983. Your entry fee must be in by Sept 20th, 1982...

WESTERN

Nancy Hardy
2301 Pacific Avenue
Aberdeen, WA 98520

DX ROUNDUP

All times are
Eastern Local

Phone for hot WDXR tips: (206)532-6827 till 10:30pm(PLT)--no collect calls

DEADLINES: Tuesdays 9/21, 9/28, 10/5, 10/12, 10/19, 10/26, 11/2, 11/9

REPORTERS FOR THIS ISSUE:

- (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, SM-1
- (NH) Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, SM-1
- (WJH) Bill Harms-University Station P.O. Box 7428-Provo, UT 84602
Hallicrafters S-85, 3' wedge, 150' longwire
(WJH-WY/MT) DX'ing in Yellowstone Nat. Park & nearby MT
Philco car radio
(WJH-WA) DX'ing near Spokane, WA
Philco car radio
(WJH-ID) DX'ing in various spots in ID, near stns reported
Philco car radio
- (PM) Pat Martin-P.O. Box 843-Seaside, OR 97138
- (DP) Doug Pifer-4804 W. McFadden #85-Santa Ana, CA 92704
- (bp) Bruce Portzer-6546 19th Ave. NE-Seattle, WA 98115
HQ-180A, 4' loop
- (RS) Rick Svajdlenka-3417 S. 252 Pl.-Kent, WA 98032
FR3-7700, 4½' Wedge
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE long-range portable, SM-2

***** OF SPECIAL INTEREST:

- 880 KIXI WA, Mercer Island 9/3 first time noted on new freq. (ex-910 Seattle). Has kept the same format. KWIP-1460 Dallas, OR has OK to also move to 880, so watch for them. (PM-OR)
+9/3 0230 noted using this freq. Per call to the stn, they are using 1kw day & night. Also said they will be 50kw day/1kw night by the end of the year. They have a much stronger signal on this new freq. than they had on 910kHz even though power is the same. (RS-WA)
+9/3 1600 ID including "soon to be 50,000 watts". Into AP nx, 1603 brief local nx, sports, wx. 1606 "The music you remember" into song. 24 hrs. Thanks to Pat for phone tip! (NH-WA)
+Fr 9/3 2100 ID after mx, "In Western Wash. dial A-M 88 for the mx you remember. KIXI, Mercer Island." Then APR time tone & nx. (BH-WA)
- 1350 KLYD CA, Bakersfield 8/30 0904 call change ex-KNTB. Logged w/farm show, ID at 0905 as "13-K, KLYD", rr mx. No longer all-nx. Good in KSRO null. (RW-CA) (Everyone note correct call.--NH)
- 1410 KCNR OR, Portland 8/30 2237 o/u CFUN w/ID & rr. EX-KPAM. (bp-WA)
- 1590 KJBK ID, Twin Falls 8/22 hrd from near Mountain Home to near Malta, ID on I-84, during bandscans. (WJH-ID)
- *****
- 560 KPQ WA, Wenatchee 8/28 2332 poor in KSFO null w/Seahawks football. Doubt it was KVOK, hi. (RW-CA)
- 590 KID ID, Idaho Falls 8/3-8/5 the most consistent signal throughout Yellowstone Park. (WJH-WY)
- 610 KONA WA, Kennewick-Richland-Pasco 8/22 0630 noted on RS w/ID & nx. Now AN I guess. (bp-WA) (Bill says they have been since 1/1/81!--NH)
- 630 KZJO UT, Sandy now all talk. ABC Talkradio network & w/ local talk blocks since 8/30. Uses "Talkradio-63-KZJO" slogan. (WJH-UT)
- 680 CJOB MB, Winnipeg 8/23 0700 fair-poor in KNBR null w/MOR, ID, nx.(bp)
- 690 (XETRA) BCN, Tijuana off 8/23 0630. Only unneeded KGGF/KKUA hrd. (bp)
- 740 KVFC CO, Cortez 8/22 0812 fair w/ID & jazz w/KCBS off. (bp-WA)
- 770 (KXA) WA, Seattle off 0545 8/23. (bp-WA)
- 830 KIKI HI, Honolulu 8/21 0858 poor w/"K-I-K-I" ID by female anncr.(DP)
- 900 KNUI HI, Kahului 8/21 0900 fair-good. Meeting of county officials on The Big Island--"K-N-U-I News". (DP-CA)
- 910 CKDQ AB, Drumheller 8/22 0822 fair w/C&W mx, local ad, wx, w/local KIXI nullled. (bp-WA)
- 920 KWYS MT, W. Yellowstone 8/3-8/5 the best signal in the west side of the park--Grant Village, Old Faithful, Mammoth H.S., et al. But 2nd to KID-590 in the east part of the park. (WJH-WY)

920 KXLY WA, Spokane MORish format, w/drive time newblocks M-F 0900-1200, 1500-1600 & 1800-2100. Uses Newsradio 920 slogan during the newblocks only. (WJH-WA)

940 (KPRE) CA, Fresno 8/23 0407 totally off, TT later on. (RW-CA)

950 KLER ID, Orofino 8/20 still on 950 w/a pop mx format. Uses "Clear-Radio" slogan. What is going to happen to KOZE-1300 when/if KLER moves to 1300? (WJH-UT) (KOZE granted CP to 950 & KLER granted CP to 1300 in June.--NH)

1060 WNOE LA, New Orleans 8/23 0530 fair o/KRSP/KUKQ w/ID, TC. (RW-CA)

1150 K SPL WA, Seattle ex-KAYO changed calls 8/2/82. On 7/5 changed format to a MYL type of thing. (RS-WA)

1180 KWSO CA, Wasco fighting w/KOFI 8/7 2310 w/relig. program.(WJH-WA)

?KWSO? 8/13 0011 hrd bits of relig. talk u/stong KOFI. (RS-WA)

1210 KCL: UT, Washington 8/27 2316 now nighttime, noted w/Washington, UT/Moab, UT high school football game. Generally well o/KGYN, but deep fades. Fine signal for 250 watts ND. (RW-CA)

1230 K SPO WA, Spokane now all talk. ABC Talkradio network, w/local talk blocks. (WJH-WA)

1270 *KROI* NY, Sparks 8/23 0324 noted w/"hum" TT. (RW-CA)

1280 KDYL UT, Salt Lake City same format, picked up the calls from 990 Tooele. KDYL is the oldest call letters still in use for a Utah station. (WJH-UT)

+8/23 0838 ex-KWMS. ID "KDYL newsradio 12-80", local spot, TC, temp. check; o/u KJOY/KKAL. (RW-CA)

1310 (KDIA) CA, Oakland 8/23 0326 noted totally off. (RW-CA)

1340 KAGT WA, Anacortes MM 8/23 0035-0130 while camping 8 miles away w/"Dick Clark National Music Survey" from Mutual. Instead of local ads they ran a corny promo each break saying "You're in Gadget Country." S/off 0128 after show, usual details & old tune "Lonely Trumpet." This differs totally from their daytime format of old automated MOR, homemade KAGT tapes possibly made in the 1960's! Wonder if they play top 40 weeknights? (BH-WA)

1360 KZIQ CA, Ridgecrest 8/28 2244 very good o/KCNN in KEEN null w/s/off w/SSB. (RW-CA)

KCNN CA, San Diego 7/13 0445 noted weak but alone on channel after KMO s/off. Had "CNN", "CNN2", & "KCNN" IDs. Nx format, of course. (RS-WA)

1380 KKZZ CA, Lancaster 8/28 2246 way o/KTOM in KEEN null w/s/off, full details, invite to tune to KOTE-FM 106.3. (RW-CA)

1450 KJUN WA, Puyallup Su 8/29 0928-1002 YL DJ between C&W songs ment. "KJUN" & "Valley wx" 0928, promo hrd 0942, into APR nx 1000. Mostly poor looping east but atop. Has eluded me for years. (BH)

1460 KGAA WA, Kirkland 7/25 noted w/C&W format. The last I hrd they were MOR. When did they change? (RS-WA)

1480 KUUX NM, Hobbs 8/30 0705 fair w/Mutual nx, wx, "K-double U-X" ID & C&W mx o/u KPHX. (bp-WA)

1500 (KXRX) CA, San Jose 8/21 0510 totally off on very rare weekday SP. Also off MM 8/23 0328. (RW-CA)

1540 KMFO CA, Aptos-Capitola is now apparently all-nx, ex-oldies. ID'ing 8/28 "KMFO, all-nx 15" ala KFBK. (RW-CA)

1560 ?KKA? SD, Aberdeen 8/17 0415 hrd Aberdeen, SD ment. u/KPMC. (RS-WA)

1570 KLOV CO, Loveland 8/23 0817 fair w/ID o/CKTA. (RW-CA)

1590 KJET WA, Seattle 8/7 2250 blasting in w/usual strong signal. "K-Jet" slogan into rock song. (WJH-WA)

(KJET) 7/24 0250 noted off in passing. (RS-WA)

1606 TIS WY, Old Faithful-Yellowstone Nat. Park no message just an OC 8/4 1300. (WJH-WY)

TIS WY, Grant Village, Yellowstone Nat. Park no message, only OC 8/3-8/4. (WJH-WY) (Bill & I camped at Grant Village 8/3. It's a wonder we didn't see you!--NH)

TIS WY, Fishing Bridge/Lake area distorted audio, undetectable message 8/5 about 1400. (WJH-WY)

TIS WY, Mud Volcano area 8/5 about 1500 good audio loop tape message about the local features. Signal audible 4-5 miles on each side of site. (WJH-WY)

TIS WY, Upper Yellowstone Valley area 8/5 about 1600. loop tape about the local area. Signal audible for 10 miles along road.

TIS WY, Canyon Jct. area 8/5 about 1700. Distorted (WJH-WY) audio. (WJH-WY)

TIS WY, Tower Jct. area probably the best signal of all. Audible for 25 miles along road afternoon of 8/5. Info about local sites of interest. (WJH-WY)

- 1606 TIS WY, Mammoth Hot Springs/Jardiner, MT entrance (same xmtr)
8/5 afternoon good signal w/local info. (WJH-WY/MT)
- 1610 TIS MT, Yellowstone River Valley south of Livingston. No audio,
but good signal 8/5. (WJH-MT)
- TIS MT, Between Bozeman Pass & Bozeman, information about the
entrances to Yellowstone Park, Earthquake Lake & Slide Area,
Gallatin Nat'l Forest camping areas, local fishing, etc
early evening on 8/5. Perhaps this is the TIS from Yellowstone
area that people have been hearing. Good signal for 40 miles
along I-90. (WJH-MT)

UNID's:

- 850 8/23 0610 in KTAC null, KOA off. Talk show, deep fades, very severe
T-storm QRN. looped east. Lost by 0614. (RW-CA)
- 990 8/25 0435 unID noted w/Larry King. Possibly KTKT? (RW-CA)
- 1330 8/30 0930 u/KFAC in KCLM null w/Ae nx on 1/2 hour, no one listed. Who
is this, KLOM? (RW-CA)
- 1480 8/30 0630-0700 telephone talk show o/u KPHX w/phone # 1-800-222-9810
(or similar). One C&W song 0636. "APP (?) Country wx" by YL, mostly
for Rockies & midwest 0645. Possibly KUUX. (bp-WA) (Might be the WSM/
APR "Music Country Network," but the April list doesn't show anyone
on 1480.--NH)

The "WDXR Penguin Flipper" is collecting dust--no one has made a mistake
in their report for such a long time! Just a reminder that the deadlines
here are now Tuesdays. ♡

WANTED TECHNICIAN IN SOUTHERN CALIFORNIA AREA TO CHECK / REPAIR / ALIGN a
HAMMARLUND HQ - 129X & HQ - 150. I WOULD PREFER TO DELIVER THE SETS VERSUS
SHIPPING. MIKE HARDESTER - P.O. BOX 1565 - SAN MARCOS, CA. 92069-0540

FOR SALE YAESU FRG-7 WITH RADIO WEST DIGITAL READOUT AND 2.9 KHZ COLLINS MECHANICAL
FILTER AND ALSO HAS 4.0 KHZ MAIN FILTER. RECENTLY ALIGNED, IN ORIGINAL BOX
& INCLUDES OWNER'S MANUAL. \$ 250.00 PLUS SHIPPING.
SANSERINO LOOP IN EXCELLENT CONDITION - WORKS WELL. \$ 50.00 OR OFFER
MPJ - 752 SIGNAL ENHANSER II DUAL AUDIO FILTER. NEW - MAKE OFFER.
RANDY TOMER - 1969 27th St. - ARGATA, CA- 95521. 707-826-1232 PPD. ONLY

WANTED SERVICE MANUAL FOR HALLICRAFTERS SX-85. WILL PAY FOR POSTAGE OR COPY COSTS.
BILL HARMS - UNIVERSITY STATION - P.O. BOX 7428 - PROVO, UTAH - 84602-0428
801-375-6049 EVENINGS ONLY.

FOR SALE RADIO SHACK TRF - MODEL 12-655. WAS MODIFIED BY RADIO WEST. HAS CERAMIC
FILTERS ADDED AND A SHOTGUN LOOP MOUNTED ON TOP BEHIND THE HANDLE. GRANT
SEZ THIS WAS THE FIRST TRF SO MODIFIED. WORKS VERY WELL. OVER \$ 130.00
INVESTED - ASKING 100 \$ 75.00!
Tim O'Hare, 20023 84th Avenue W, Edmonds, WA 98020

WANTED HAMMARLUND HQ-180A OR HQ-180AC. ALSO WORCESTER SM-1 OR SM-2. RADIO WEST
LOOP OR MCKAY-DYMEK DA-3, DA-5 OR DA-9 LOOPS.
ED BEST - 2004 UNIVERSITY DR. - DURHAM, N.C. 27707 919-489-2164 PPD.

FOR SALE RADIO SHACK DX-300 IN VERY GOOD CONDITION: WITH MANUALS AND ORIGINAL BOX.
\$ 200.00 SHIPPING PREPAID.
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FOR SALE FERRITE BAR LOOP - TUNES 150 KHZ TO 6 KHZ WITH THREE PLUG-IN COILS. \$120.00
SAME AS ABOVE BUT IN KIT FORM WITH ALL PARTS & INSTRUCTIONS FOR \$ 100.00
BOX LOOP KIT - TUNES 530 TO 1600 KHZ. COMPLETE WITH ALL PARTS AND INSTRUCTIONS
FOR \$ 65.00
RALPH SANSERINO - 8422 CRANE CIRCLE - HUNTINGTON BEACH, CA. 92646

WANTED HALLICRAFTERS MODEL S-120 RECEIVER. I NEED A SET OF COILS FOR THIS SET, OR
A PARTS SUPPLIER THAT HANDLES THEM. WILL BUY THE ENTIRE RIG IF YOU HAVE ONE
FOR SALE!
KARL ZUK - 224-04 STRONGHURST AVE. - QUEENS VILLAGE, N.Y. 11427

FOR SALE G.E. SUPERADIO MODEL 7-2880. BRAND NEW. ZERO HOURS - STILL WRAPPED IN PLASTIC
(UNOPENED) FROM FACTORY. \$ 55.00 INCLUDING U.P.S. SHIPPING.
BOB COOMLER - 207 E. 45th Pl. - KENNEWICK , WASH - 99336 509-586-3799

FOR SALE Hammarlund HQ-140XA receiver, good condition, \$130. Ed Best,
AK4W, 2004 University Dr., Durham, NC 27707. 919-489-2164.

FOR SALE Realistic TRF-655 (modified with transfilter and aligned) \$50.
FRG-7 (mint) with Gilfer mod kit \$280. Sony ICF-6500W \$135.
Will consider trade for excellent SPR-4. Call (714)671-0270
after 10 pm or write James Vernon, 315 N Associated #1406,
Brea, CA 92621

CENTRAL DX ROUNDUP

Robert Kramer
6416 N. Richmond
Chicago, IL 60645

UNIDED, CHANGES, SPECIAL, et. al.

- 940 WGSY MI SOUTH HAVEN, 7/28 1130 Paul Harvey nx, spots, "This is WGSY" ID, Severe WJPC slop. CR-IL (ex-WJOR, ed.)
- 970 WTKN PA PITTSBURGH, 8/17 2115 '1lk Show W/Phone 333-9100, SID, fair. CR-IL, 8/20 0030 Good W/ID & Phone in show. ex-WWSW. RK-IL
- 1030 WBDX TN WHITE BLUFF, 8/25 0742 W/lots of spots for stores in White Bluff & Dickson, no ID, C&W mx. DF-IL, 9/3 2110 fair-good in WBZ null W/H.S. Football game. Note correct calls. Not WDEX as reported in the Nashville Area paper clips that appeared in DXN. RK-IL

All da Rest

- 580 WTCM MI TRAVERSE CITY, 8/27 2315 on top in WIBW null W/Tiger baseball, lcl & net. spots & NBC promo. DF-IL
- 600 WBDN MI ESCANABA, 8/17 1230 Nx, sports, "WBDN" SID, weak U/WMT. CR-IL
- 680 CFTR ON TORONTO, 8/21 0010 rock mx, several IDs & spot for K-Tel LP. WPFQ QRM. CR-IL
- 710 CKVM PQ VILLE-MARIE, 8/29 0030 presumed here W/a relay of CBC FP Service. WOR QRM. CR-IL
- 730 CKDM MP DAUPHIN, 8/29 0015, hrd briefly W/rock mx & ment. of CKDM. XEX QRM. CR-IL
- CKAC PQ MONTREAL, 8/22 0215 Sports, nx, French Pop mx, "CKAC" SID, slight WGN QRM. CR-IL
- 800 WDXU WI WAUPACA, 8/16 1215 ID, Wx, mx. Poor, much QRM & fading. DT-MN
- 920 CFSL PQ LEVIS, 8/15 0255 rock mx, many "CFSL" SIDs in FF. CR-IL
- 970 WAVG KY LOUISVILLE, finally got around to logging them on call change, 9/30 0121 Fair-good W/Wx. RK-IL
- WKHM MI JACKSON, 8/19 2250 fair W/ID, MoR mx. Apparently the directional pattern was out of wack on this guy. Been looking for him for 12 years, then suddenly he's in solid every night for over a week. Seems to have disappeared again. Was my closest unheard. RK-IL, 8/21 0305 Light pop mx, "970-WKHM" ID @ 0315, slight QRM. CR-IL
- 990 WNOX TN KNOXVILLE, 8/23 0210 C&W mx, many IDs as "99-WNOX". CR-IL
- 1140 WKHM MI KENTWOOD, 8/5 1915 R&B mx, ID, NBN nx @ 1922. Poor due to WJJD slop. CR-IL
- 1270 WHBF IL ROCK ISLAND, 8/1 2130 ID, C&W mx, good. DT-KN
- 1280 WWTG MN MINNEAPOLIS, 8/1 1700 Mutual nx, wx, rock mx, good signal. DT-MN
- 1290 WCOW WI SPARTA, 8/2 1130 C&W mx, ID, fair QRM. DT-MN
- 1320 CFCG ON RICHMOND HILL, 8/29 0125 C&W mx, several "CFCG 1320" IDs, good. CR-IL
- 1330 WMOR KY MOREHEAD, 8/20 2200 lcl football game, "You are listening to Rowan County Football on WMOR" ID @ 2206, fair but fading. CR-IL
- WHOT OH CAMPBELL, 8/22 0155 lcl nx, "WHOT Campbell" ID @ 0201, some QRM. CR-IL
- 1340 KROS IA CLINTON, 8/29 2057 W/WSOY nulled, fair W/ID & lcl spot, much wanted. DF-IL
- 1350 WSLR OH AKRON, 8/22 0115 C&W mx, wx, many ment. of WSLR. CR-IL
- 1360 KSCJ IA SIoux CITY, 8/17 2355 wx, "KSCJ Sioux City, Iowa ID, fading & QRM. CR-IL
- 1370 WFEA NH MANCHESTER, 8/21 0220, hrd briefly before fade out (that makes sense, ed.) W/wx & ment. of WFEA. CR-IL
- 1380 WAOK GA ATLANTA, 8/21 0235 hrd briefly W/a promo for a program on WAOK & wx, poor//
- WBEL IL SOUTH BELL, 8/22 0200 Milwaukee-Seattle baseball W/ID @ 0215. CR-IL
- KOTA SD RAPID CITY, 8/23 0200 CBS nx, rel. tlk & S/Off @ 0208. Poor W/QRM. CR-IL
- 1390 WVOV IL CHICAGO, 8/23 off 0008-0110, came on W/OC 0110-0145 & on reg sked 0145. RK-IL
- WFBL NY SYRACUSE, 8/21 0250 poor U/WVON W/MOYL & ment. of WFBL & Sycamore (Christos, do you mean Syracuse ? ed.). CR-IL
- WCSC SC CHARLESTON, 8/23 0100 Rel tlk by man, Gospel mx, IDs "CSC". WVON off, WFBL QRM. CR-IL (oh, so that's who the rel. was, ed.)
- 1440 WBCM MI BAY CITY, 8/21 2145 hrd briefly W/ment. of WBCM & phone # 854-4544 was given. QRM. CR-IL DT-MN
- 1470 KARE KS ATCHINSON, 6/23 0130 K.C. Royals baseball net., spots, fair QRM from WMBD//
- KGHM MO BROOKFIELD, 8/29 2059 vy. weak ID & poss. S/Off. DF-IL
- 1490 WDXL TN LEXINGTON, 8/29 2126 W/one of the C&W Countdown pgs., lcl spots, many ment. of Lexington. DF-IL
- 1500 WGEN IL CENESSEO, 8/29 2021 good W/Cardinal baseball, WPMB off, WBRI nulled. DF-IL
- WKZN IL ZION, 8/29 2022 fair U/WGEN W/promo, 2 IDs. DF-IL (Dave, nice catch. This has to be one of the toughest IL stns. for a downstater to hear. They throw no power in your direction, in fact, are next to impossible to hear in all by the extreme northside of Chicago. They were my closest unheard for several years at @ 40 miles, ed.)
- 1500 WAUK WI WAUKESHA, U/WLAC 8/29 2020 W/ID lcl spot. DF-IL
- 1520 WAOA AL OPELIKA, 8/17 2030, tent. this one W/ment. in S/Off of "Best Country in Alabama", no ID hrd because of weak signal. CR-IL
- WHOW IL CLINTON, 8/19 0959 hrd briefly W/"WHOW Clinton, Illinois" ID before taken over by WJUV. CR-IL

1540 KGBC TX CALVESTON, 8/9 2140, O/U KXEL W/Randy Sterling Show & R&B mx, ABC nx. No ID
 hrd hit wx for Galveston area @ 2212 QSL received last week. CR-IL
 1560 WTOD OH TOLEDO, 7/27 2115 ID S/Off ancmt. & NA. CR-IL
 1570 WFRL IL FREEPORT, 8/28 2045 C&W mx, "WFRL-1570" SID, S/Off @2100. WBEE QRM. CR-IL
 WFUR MI GRAND RAPIDS, 8/19 0925 rel. tlk & mx ID @0930. WBEE QRM. CR-IL
 WVMS WI APPLETON, 8/20 2100 poor W/S/Off severe QRM. CR-IL
 1580 WCCR IL URBANA, 8/22 2045 hrd briefly during S/Off W/poor signal. CR-IL
 WAMJ IN SOUTH BEND, 8/20 2045 poor W/S/Off & WONX slop. CR-IL
 1590 WAWA WI WEST ALLIS, 8/22 2055 Soul mx, "Super Soul 16" announced before S/Off. CR-IL

DESE GUYS ARE MAKING ME WORK:

DF.... David Faulkner Box 602 Witt, IL 62094
 (TRF)
 RK.... What me again ?
 (R-1000, HQ-140X, HQ-129X, loops, LW, assorted junk, noisy bird)
 CR.... Christos Rigas 4832 N. Drake Chicago, IL 60625
 (Superadio)
 DT.... Don Terrell 314- 15th St. W.E. Rochester, MN 55901
 (Zenith Trans-Oceanic Royal 1000 & Select-a-tenna)

EASTERN DX ROUNDUP

Bob Lazar 1711 Wainwright Dr. Reston, VA 22090

Deadlines: Saturdays 9/18, 9/25, 10/2, etc. etc. All times Eastern

Well, there's going to be an EDXR this issue after all. Karl Zuk's report came in the day before I'm planning to leave on vacation and since he has all sorts of good info on station changes I thought I'd type them up right away. Tomorrow I'm leaving for a week in northern New England. I'm hoping to do a little DXing or at least check out the locals but the main reason for going is just to get away to a cooler climate and relax and enjoy the outdoors. I shouldn't complain too much about our local weather this year, though; it's been cooler and less humid than our normal August unpleasantness. It's almost been as nice a summer as in my native state of Wisconsin! Now, on to the news:

OF SPECIAL INTEREST

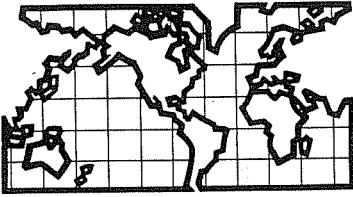
540 CJSB ON Ottawa, 0345 8/15 & others. A regular now. Power increase? (No, this is a brand new station.--ed) Oldies & AOR, but changing format to new slicker style on Sept. 1. "Ottawa's new radio station as of Sept. 1....CJSB", also "The station with Ottawa's only traffic helicopter." (KZ-NY)
 660 WNBC NY New York, now ID's as "Stereo 66, WNBC." I actually got some separation out of this using two divergently tuned Dymek DA-5s. (KZ-NY)
 820 WAIT IL Chicago, 8/21 2200 now 24 hours, blocking WBAP w/ beautiful music, elevator mx. Fades in & out of IA & WBAP slop. (KZ)
 890 WLS IL Chicago, 8/21 2210 & others. Now ID's as "The Midwest's first AM stereo stn, 89 WLS." Strong, as usual, thru WCBS slop. (KZ-NY)
 910 WRKL NY New City, 2245 8/21 ID's as "AM-91 WRKL." Now 24 hours, not dominant as during daytime hours. O/u other slop. (KZ-NY)
 1250 WIPS NY Ticonderoga, 8/20 1930 noted back on the air after fire last year that demolished stn. Call to stn confirmed this. Weak. (KZ-NY)

OF INTEREST, ALSO

920 WHJJ RI Providence, 8/20 2100 w/ Red Sox BB. Fair signal. (KZ-NY)
 1170 WBRK NJ Somerville, 8/20 1430 ID "Music of the 50s, 60s, 70s on WBRK 1170" o/u WOBN-AM Lakewood, NJ. (KZ-NY)
 1290 WWSA GA Savannah, 2155 8/19 gold MoR format, "Where we've got the gold for you" o/u other slop. Ai nx at 2200. (KZ-NY)
 1300 WFBR MD Baltimore, 2110 8/22 note w/ Baltimore Orioles BB, o/u WAVZ New Haven, CT. (KZ-NY)

LISTING OF KARL ZUK'S ADDRESS

KZ - Karl Zuk, 224-04 Stronghurst Ave., Queens Village, NY 11427



DX WORLDWIDE - WEST

Pat Martin - Editor

P.O. Box 843, Seaside, Oregon 97138

(503) 861-3185 - deadline Tuesday

DX sure has picked up around here and so has veries. Managed to pull in three Low Power DU's in the past few weeks and a verie back from one all ready. Also Bruce Portzer really has been getting some good veries also. Nice to see other people collecting veries. It looks like 882 KHZ in the Northwest might have some slop as KIXI-Seattle is now on 880 KHZ with 1 KW, ex. 910, and KWIP-Dallas, Oregon has the OK for 880 KHZ with 5/1 KW. So on with the reports:

PAN-AMERICAN DX ROUNDUP

- 740 UNID, three descending chimes then one short pip (possibly 2), then long tone marking top of hour, 1100 8/29 w/KCBS off. Vv weak in noise o/unid w/CBS nx. Assume this was LA or Domestic as no TP's in at time, HELP!!! Anyone out there have any ideas on this one? PM (BP-Wa)
- 830 UNID, in SS w/classical mx, later hrd what sounded like BBC mention, so poss. a BBC pgm, checked the BBC SS service for Latin America, on SW, but found them different, no trace of WCCO, too much QRM from WBAP, hrd from 0240-0310, 8/19 (CG-Tx) (Ideas anyone? PM)
- 850 MEXICO, Zaragoza-XEZR, finally logged an ID on this, many ads, frequent ID's, Ranchera mx, hosted by OM-0210 8/19. (CG-Tx)
- 1560 MEXICO, San Rafael Clamapa-fair to good w/Mexican mx and "las mejores musica Ranchera" ID 1122-8/29. (BP-Wa)

TRANS-PACIFIC DX ROUNDUP

- 531 NEW ZEALAND, Alexandra-4XA good w/OM w/rr mx, ads and Otago Radio promo's o/2NC at 1322 on 9/3. (PM-Or)
- 540 AUSTRALIA, Longreach-4L hrd well o/LPRTs w/ABC #3 nx at 1300, after pips, on 9/2 (PM-Or)
- 549 AUSTRALIA, Orange-2CR fair w/Jazz at 1315 on 8/29(MM), w/KMVI off. (PM)
- 558 AUSTRALIA, Unid rr w/Elton John mx o/u 6WA, too weak to catch ID, or any info on station, at 1337, suspect 4GY or 4AM-8/29. (PM-Or)
- AUSTRALIA, Wagin-6WA fair o/unid rr, w/Jazz and anmt of ABC #3 net on 1358 on 8/29, gave WA TC, nx at 1400, after pips. (PM-Or)
- 567 AUSTRALIA, Julia Creek-4JK good w/inst. Jazz // 540 at 1311 on 9/2. (PM)
- 576 AUSTRALIA, Sydney-2FC, exc. w/Glas. mx at 1335-9/1, 9/2, 9/3, 9/4. (PM-Or)
- 585 NORTH KOREA, normal KK chatter, overmod at 1340 on 9/2 (PM-Or)
- 594 AUSTRALIA, Horsham-3W w/JAZZ // 774 on 9/2-1347 (PM-Or)
- 603 AUSTRALIA, Hobart-7ZL with Glas. mx at 1349-9/2. (PM-Or)
- 612 AUSTRALIA, Brisbane-4QR w/usual Jazz // 540 on 9/2-1354 (PM-Or)
- 621 AUSTRALIA, Melbourne-3AR, fair w/KGW slop, and Concert mx-1333-9/2 (PM)
- 639 AUSTRALIA, Crystal Brook-5CK w/Jazz at 1315 on 9/3, o/4MS. (PM-Or)
- 648 AMERICAN SAMOA/AUSTRALIA-WVUV and 2NU mixing here at 1250 on 9/1, with WVUV w/ich Pop mx (US) and 2NU w/Jazz #3 //. (PM-Or)
- 650 ALASKA, Anchorage-KYAK, good w/Larry King show, PSA's ID Mutual nx 1157-1200 8/22, w/KORL nulled, some KFI splat. (BP-Wa)
- 657 AUSTRALIA, Byrock-2BY hrd // #3 net, with Jazz 1318-9/4. (PM-Or)
- 666 JAPAN, Osaka-JOBK w/OM in JJ, good at 1338-9/3 (PM-Or)
- 675.000 PHILIPPINES, Laoag-DWLW, surprise taping 2100 8/15 atop 675 w/segue out of Go-Gos "Lips are sealed" into ID (Singing Group) "B-B-C (Banahaw B.C., our big beautiful country, (then male voice) "D-W-L-W, six-seventyfive Laoag" followed by TC. (CAT-Okinawa)
- 700 t ALASKA, Anchorage-KEYR, apparently the one w/C&W/Pop mx, YL DJ CBS nx various times 1122-1205 8/22, no ID hrd, but looped NW/SE and KFQD/KYAK also in at the time. (BP-Wa)
- 701.861 PHILIPPINES, Valenzuela, Metro Manila DZAS FEBC, finally taped 0920-8/15 w/ID "ito ang Far East Broadcasting Co. himpilan D-Z-A-S, Bad het Poor. (CAT-Okinawa)
- 720.016 PHILIPPINES, Bacolod DYEZ 2055 8/15, just barely poking its head thru much QRM de BRC-720 and BED58, Vy Porr. (CAT-Okinawa)
- 756.00 CHINA, Zhongyang ren min GB DT synchros taped 0200 8/15 on GW(1100 Local) Fair. (CAT-Okinawa)

- 756 NEW ZEALAND, Auckland-1YA poor w/bits of mx in QRN,0946-8/30,KXA 770 off.(BP-Wa)
- 765 NEW ZEALAND, Hastings-2ZK,mx at 1321,NZ ment. 1321-9/3 (PM-Or)
- 774 AUSTRALIA, Melbourne-3LO,hrd mixing w/JJ at 1331-9/2 (PM-Or)
- 792 AUSTRALIA,Brisbane-4QG-vy good w/Concert mx 1340-9/2 (PM-Or)
- 801 AUSTRALIA, Cairns-4QY in the clear briefly w/ABC closing nx at 1356 following by #3 ABC amnts,NA off by 1401,covered by 800 Domestic New,reported. (PM-Or)
- 828 JAPAN, Osaka-JOBB weak/fair w/male talk 1215-8/22 (BP-Wa)
- 846 AUSTRALIA, Canberra-2CY w/Concert mx 1317,9/1 (PM-Or)
- 855.007 NORTH KOREA, Sangwon,taped 1300 7/30 w/piano/orch. mx to ID,then 3 low, 1 high pips,vy good way o/others (CAT-Okinawa)
- 864 AUSTRALIA, Hobart-7HO, fair o/NBC and 4GR w/rr mx and 7HO ment. in Concert promo, 1309 on 7/2,unneeded but nice to hear. (PM-Or)
- PAUFA/NEW GUINEA, Madang-NBC hrd w/OM in EE/Pijin, drum music at 1335(interlude?), then into more Native chatter,on 9/3. Again unneeded but nice to hear,check for 585, but not there this time(PM)
- 873.135 CHINA, unk. loc. Zhongyang ren min GB DT.station,1st time taped here 0300 6/5 on gw,fair.Must be old XR,also distorted,pip string blew XR off air on 4th pip!,then back on for TC and ID (CAT-Okinawa)
- 882.000 JAPAN, Shizuoka-NHK 1-JOPK,taped 1st time atop channel,ID,1959 on 8/22 "J-O-P-K" ID (CAT-Okinawa)
- AUSTRALIA, Brisbane-4BH slopping o/on 880(KJXI) w/MOR mx on 9/3 at 1352,then noted on 9/4,near same time,KIXI was slopping on 4BH! (PM-Or)
- 891 NEW ZEALAND, Auckland-Radio Windy here w/rr mx and noted ID ment, by DJ at 1015 on 8/28. (PM-Or)
- 900.00 SOUTH KOREA, Seoul-HLKV taped 1200 8/1,1st time followed by HLKV,then NHK type pips,atop BED96,and unid JO (CAT-Okinawa)
- TAIWAN, Tanxui,Zhongyang GB DT (CBS) BED96 taped 2400 6/18-GW(CAT)
- 900.098 PHILIPPINES, Cabanatuan-DWNE taped 2100 8/12 s/on w/calls,power, ownership,etc. Getting badly w/unid QRMing.Poor.(CAT-Okinawa)
- 990.007 TAIWAN, Qinqa GB DT (Police Bc station) is new on this channel.Taped 0710 7/31 on gw w/Shanghai-990 looped. (CAT-Okinawa)
- 999.998 TAIWAN, Loqiang-Zhongyang GB DT BED76 taped 1250 8/8 w/pop mx pgm and some really enjoyable Taiwan Pops,Fair (CAT-Okinawa)
- 1107 AUSTRALIA, Sydney-2UW, w/Pop mx a few ads,more pop mx at 1317 on 8/29,noted other times and dates. (PM-Or)
- 1116 AUSTRALIA, Brisbane-4BC-w/ 4BC jingle and ment. by OM,into rr mx on 8/29 at 1320. (PM-Or)
- 1125 t JAPAN,Naha-presumed JJ station hrd and sounded like // 774 at 1300 sounded like call given "J-O-A-D",lots of 1120 slop-8/29. (PM-Or)
- 1143 AUSTRALIA, Newcastle-2HD fair w/rr mx, 2HD ID,TC on 9/1-1332.(PM-Or)
- 1170.000 SOUTH KOREA, Seosan KBS HLSR taped 1330 8/10 at bridge bet. EE and CC pgms "This is Radio Korea,the overseas service of KK Bcing System..."female announcer (CAT-Okinawa)
- 1206 AUSTRALIA, Grafton-2GF-hrd exc w/Pop mx,wx at 1340 on 9/4. (PM-Or)
- 1475.999 TAIWAN, Mystery station atop channel during daylight is shaping up to be Zheng Sheng GB DT in Hualian. Not listed anywhere and fairly new,fair to good. (CAT-Okinawa)
- 1476 t CHINA, bits of what sounded like CC YL in mess of noise and hets w/ 1475 at 1234 8/1 (BP-Wa)
- 1503 UNID, 7/19 man in DU EE w/nx,not quite readable 1205.Two stations here by 1212 one w/talk other w/light mx.(BP-Wa) (All least three poss. ones here 3AK,2BS, and/or New Zealand.PM)
- 1511.994 CHINA, Southern Fujian prov. Zhongyang GB DT. Taiwan prog.taped 1130 7/28 w/European chamber mx to ½ hour,fol. by CC trad. mx ID theme and ID in Amoy lang. (CAT-Okinawa)
- 1511.995 TAIWAN, Taipei,Qingqqa GB DT (Police BC station) BEP27,taped 2400 7/27 on GW o/JOZB.No pips on hour,rather Western sounding music except ID theme.Poor (CAT-Okinawa)
- 1512 t AUSTRALIA, New Castle-2NA male talk and het against RGA 1206-7/19(BP)
- 1548 AUSTRALIA, Emerald-4QD nx and wx 1214 8/1 into talk on disarmament 1215.Weak-fair in KJZZ-1540 splat,1550 no problem //4920 (BP-Wa)
- 1557 UNID, pop mx and male talk 1154 7/19,thru splat QRN (BP-Wa) (2ZH or 2RE poss,PM)
- 1566 *** AUSTRALIA,Gympie-4GM hrd w/closing ABC #3 nx at 1356 on 9/1,all alone no 3NE,fairly clear at times,closing amnts,followed by National Anthem,listed at 200 watts!!! Reported,New. (PM-Or)

NEW ZEALAND BROADCASTING CORPORATION

- 1593 NEW ZEALAND, Manatau-1XP "Radio Pacific" w/interview talk-back show, Radio Pacific ment. at 1250 on 9/4. (PM-Or)
- 1620 *** AUSTRALIA, Hobart-7RPH-Broadcast Service for the Handicapped, hrd. while tuning across the dial at 1311 on 7/4, with Simon and Garfunkel song, anmt. my OM in slow spoken EE(DU), ment. of Special Broadcast, TC at 11:23 AEST, played several familiar songs, listed as 500 watts!!! Scheduled for sign off Saturdays at 1400 GMT, 1200 other nights, good at times, lost by 1330, taped and reported. New (PM-Or)
- 1750 *** AUSTRALIA, Kensington VL2VU "University hrd w/talk pgm on Cobol pgming from 0920 to 0933, ment. on 8/16, New taped, reported, 300 watts! Utility QRM on 1740-1760, vy weak. (PM-Or)

VERIES: (quite a list!)

- 576 AUSTRALIA, Sydney-2FC small blue ABC vq in 1 mo. No vs (BP-Wa)
- 648 AMERICAN SANOA, Pago Pago-WVUV sent vl and 2 stickers in 5 weeks vs Rick Perri GM Said mine was their first report from MA, but a few days later they got one from "a guy in Oregon" (Guess who, hi) (BP)
- 648 AMERICAN SANOA, Pago Pago-WVUV-sent vl and 4 stickers in 3 weeks vs Rick Perri GM, said mine was first report from US, but received one earlier from a Seattle DXer in Canada (Who could that be? hi) They must mean since moving to 648, as I verified them back in 1969 on 1120 KHZ. (PM-Or)
- 648 AUSTRALIA, Albury-2CO, large green ABC vq in 2 weeks, Address: P.O. Box 321, Albury 2640. (BP-Wa)
- 684 AUSTRALIA, Kempsey-2KP, large green ABC vq for rep. sent to station direct w/2 IRCs, took 2 weeks, v/s unreadable. (BP-Wa)
- 700 COSTA RICA, San Jose-Radio Reloj, vq in 10 months for rep. in SS, v/s Francisco Barabonag, Colorful stamp. 10 KW (PM-Or)
- 825 ST. KITTS, Radio Paradise-vl in 10 months for taped report, sent pgm guide, signed Mr. Ivan Hamilton C.E. (PM-Or)
- 1026 AUSTRALIA, Mackay-4MK vq and sticker in 2 weeks, v/s looks like S.M. Corney. (BP-Wa)
- 1107 AUSTRALIA, Sydney-2UW nice vq of Sydney Bridge in 2 weeks v/s Ronald Collett (I think), C.E. Also sent two stickers. (BP-Wa)
- 1188 WALLIS and FUTUNA, Uvea-FR3 vl in FF rec. in 3 weeks for taped rep. sent 2 reel to reel tapes w/Wallis and Futuna mx, 1 KI, signed: Monsieur Fernand Lereec-chef des services, Country #52 verified. (PM-Or)
- 1548 AUSTRALIA, Emerald-5QD friendly vl-4QD vq and brochure in 2 weeks v/s Denis M. Little, Tech. Add. Telecom Radio Center, Gregory Highway, Emerald 4720 (BP-Wa)
- 1750 AUSTRALIA, Kensington-VL2VU, University of Kensington sent nice Blue vq in 2 weeks for taped rep. ment. my report is the furthest report to date, ment. using 1/2 wave vertical ant. signed L. Porter CE, 300 watts! (PM-Or)

THANKS TO THESE REPORTERS:

- CG-Tx Charles George-6407 Howard-Dallas, Texas 75227
RF 2600, SSR-1 checking //!s, 30 ft. and SM-2 ant.
- BP-Wa Bruce Portzer-6546 19 Avenue N.E.-Seattle, Wa. 98115
HQ-180A, 4' Loop
- CAT-Ok Charles A Taylor-Box 812-MCAS-FPO Seattle 98772
SPR-4, SM-2, 2 sony TCS 310 cass. tr and 75 ft. lw, PFM equip.
- PM-Or Yer Editor
HQ-600 JX, E.H. Scott(RBO-2), 900 ft. E Bev, 200 ft. LW, Term.

How did Wally Nelskog get the Federal Communications Commission to allow him to transform KIXI-AM from a 1,000-watt signal on 910 KHZ. to 50,000 watts on 880 KHZ.?

Ten years of pleading, planning, testing, posturing, amending, modifying — that's what.

Among the change-offs: When the 50,000-watt power increase is approved, KIXI-AM will no longer be a Seattle station. It will be licensed to Mercer Island.

No big deal, I guess. But Seattle already has three 50,000-watt stations — KIRO, KING-AM, and KOMO. Mercer Island had none. The

KIXI will 'move' to Mercer Island

change of location helped grease the wheels of FCC bureaucracy. There will be very little real difference, except the words "Mercer Island" at the top of the hour.

Even without the eventual power increase, Dean Smith, general manager of KIXI-AM-FM, believes listeners will experience an immediate benefit. A professional secret of engineering types is that the 910 dial position has a "whistle" hidden in it. The whistle is readily evident if a radio isn't tuned in properly, but even when it is right on channel, it's still there, a harmonic of 450 kHz. Engineers say that the subliminal whistle makes it difficult to listen to such a frequency. KIXI listeners, therefore, might increase their quarter-hour-listening segments on the new frequency.

Seattle Times
8-29-82



P.O. BOX 1400
LOWELL, MASS. 01853

DX WORLDWIDE EAST

Neil Kazaross, Editor
518 E. Grand Avenue
El Segundo, CA 90245
(213)322 3119

TRANS ATLANTIC DX ROUNDUP (all from Hakiel)

- 684 SPAIN Sevilla 0335 Aug 8 SS talk, mx poor sig.
1521 t SAUDI ARABIA Duba 0220 Aug 7 AA talk, helped by exalted carrier use some WKBW interference.
1584 SPAIN Graveyarders 0200 Aug 7 SS talk poor sig.
1593 W. GERMANY Langenberg 0315 Aug 2 fady & fluttery sig w/US pop mx.

FAN AMERICAN DX STAMPEDE (No name means it's from George Hakiel on L.I.)

- 555 ST. KITTS Basseterre ZIZ 0210-0305 s/off Aug 15 pr-fr w/EZL vocal mx pgm, ID & TC's by EE OM. Off at 0305 w/prayer. (Zavatsky-CT)
580 PUERTO RICO San Juan WKAQ 0705 Aug 15 in fair w/nx by OM's & many R.Reloj ID's (Zavatsky-CT)
700 CUBA Ciego de Avila CMJT Aug 1. 0854 poor w/LV de Cuba ID by SS YL into rx at 0900 WLW nulled but this one was still in the mud. (Zav)
700 COLOMBIA Cali HJCV 0242 Aug 2 US old time pop mx "Smoke Gets in Your Eyes" (I have the same problem, it's called smog!!-ed) R. Sutatenza ID Good sig. in WLW null. (Hakiel-NY)
720 JAMAICA Kingston 0833 Aug 15 in poor o/u CMGN Cuban w/soul mx (Zav) CMGN moved to 620, this must be another Cuban or LA-ed.
725 SURINAM Paramaribo PZX26 0255 Aug 2 US Rock mx v.gd. sig. hrd almost every night, a regular.
735 ECUADOR Quito HC 01-1 0510 Aug 8, IA upbeat mx "R.Melodia" ID pr.
740 VENEZUELA Maracaibo YWC 0725 Aug 15 fair & dominating as usual w/lively SS vocals, R. Maracaibo ID's (Zavatsky-CT) 0515 Aug 7. IA Pop mx, shouted ID's, Good strong sig.
750 VENEZUELA Caracas YVKS 0640 Aug 5 LA rock mx "R.Caracas" ID gd.
760 UNID 0045 Aug 1 pr-fr w/ exited FF OM w/ what snd/lk a long political speech, yelling at times, maybe 4VU Haiti? some slop from WJR. (Zavatsky-CT) Probably-ed
810 COLOMBIA Bogota HJCY 0335 Aug 5 v.gd. sig, completely dominating WGY nx best hrd.
825 ST. KITTS Basseterre R.Paradise 0332 Aug 15 good signal as usual w/ birthday greetings to listeners by EE OM (Zavatsky-CT)
830 VENEZUELA San Antonio de Los Rios 0645 Aug 7 LA mx, Big, vocal, signal. (Hak-NY)
834 BELIZE Belize 0305 Aug 6 nx in EE (BBC nx) R.Belize ID, good sig.
860 DOMINICAN REPUBLIC Santo Domingo HLR 0145 Aug 2 fr sig. w/slow talking low voiced SS ancr. many ment of Santo Domingo & R.Clarin ID's (Zavatsky-CT)
860 BRAZIL Rio de Janeiro ZYJ459 0805 Aug 7 PF talk mx o/R.Reloj fr sig. (Hak-NY) Also hrd 0813 Aug 15 fr-gd sig EE soul & disco mx, PF talk & R.Mundial ID by OM, traces of Cuba in background (Zavatsky-CT)
870 ARGENTINA Buenos Aires 0700 Aug 8 LRA-1 in w/LA talk, 6 pips on hr 5 short pips, w/last one (#6) longer. This stn's sig. seems to be declining, was very gd. in July, now down to a pr. sig. (Hak-NY)
915 ECUADOR Machala HCRO3 0435 Aug 8 LA talk, mx p-f sig.
940 COLOMBIA Cucuta HJBE 0609 Aug 1 pr w/instr mx & SS vocals, R.Internacional ID by OM. Sd/lk another LA in background. Poss. R.Punto Fijo? (Zavatsky-CT) or R. Eco -ed
940 CUBA Colon CMDI 0430 Aug 8 R.Reloj ID, typical nx w/pips v.gd.
960 COLOMBIA Magangue HJHN 0300 July 31 u/WELI, R.Sutatenza" ID hrd.
990 GRENADA Mourn Rouge R.Free Grenada 0400 Aug 8 Calypso mx. EE acc. ancr s/off at 0405 V.strong sig. (Hakiel-NY) 0540 Aug 15 in xlnr. w/ live best of a reggae calypso concert outdoors, RFG ID by OM abrupt s/off at 0549 waited around till 0615 but no show, I thought they moved to 995? (Zavatsky-CT) They were only briefly on 995. hmmm-I wonder if I could rx this big signal here in CA?-ed
990 VENEZUELA Barquisimeto YVTA 0406 Aug 8 IA mx ID "Mundial Tricolor" after RFG s/off fr. sig.

- 1000 VENEZUELA Moron YVMN 0104 Aug 15 US pop tunes, SS vocals, singing R.Mundial Mil ID xlt sig. (Zavatsky-CT) 0410 Aug 5 lively SS mx, vocals, talk about the lottery, big, big sig.
- 1020 VENEZUELA Maracaibo YVMX 0652 Aug 8 LA disco mx, loud ancr. ID "R.Calendario" Gd sig.
- 1020 VENEZUELA La Asuncion YVRS 0550 Aug 1 pr-fr w/ballads, SS talk & R.Mundial Margarita ID's by OM (Zavatsky-CT)
- 1035 HAITI Cap Haitien 4VEH 2335-0001 s/off Aug 15 in fr w/Rel pgm & mx ID by OM as "4VEH Evangelistic Voice of Haiti" gave address & 77 9770, 1183⁺ some WBZ slop. (Zavatsky-CT)
- 1100 COLOMBIA Barranquilla HJAT 0320 Aug 8 lively HJ mx, ID "R.Reloj" gd.
- 1100 ANTIGUA ST. John's ZDK 0022 Aug 15 fr-gd w/EE US pop mx & disco, sort of unusual they usually have reggae & calypso (Zavatsky-CT)
- 1120 t BRAZIL Porto Alegre ZYK274 0755-0800 Aug 7 PP vocal mx hrd briefly, possible ID "R.Continental" not hrd too clearly. WRTH lists 10 KW in freq section, but country section list 100 KW (I'd say 100 -ed) NO KMOX where was it, off? (Prob. killed by AU-ed) Later check, & there was KMOX in loud & clear!! (semi-AU cx-ed) Brazil seems to peak in abt 0800, so went to 860 ZYJ159 to check it out. (Hak)
- 1180 CUBA Nueva Gerona 0740 Aug 7 "R.Reloj" mx w/pips u/WHAM fr sig.
- 1200 COLOMBIA Cali HJLR 0736 Aug 7 LA Romantic mx ID R.Super reverb gd sig.
- 1270 CUBA Camaguey R.Reloj 0715 Aug 7 SS talk, prob nx pips, gd sig.
- 1550 COLOMBIA Barranquilla HJCB 0705 Aug 7 HJ mx, ID LV de "Fortena" RCN. fair.
- 1555 CAYMAN IS R.Cayman O230 Aug 2 pr w/EE OM ID, TC's & MOR mx pgm, much slop from WQXR 1560. This is hard to null, hi! (Zavatsky-CT)
- 1580 ANTIGUA VOA 0030 Aug 9 ID "VOA" then discussion pgm in "EE" issues" in the news. fr w/ some QRM.
- 1585 UNID 0145 Aug 7 IA mx SS talk, weak sig in & out. Het from 1584 Spain. (Hak-NY) I dunno, who this is. Could it possibly be an off freq. Spanish GYer from 1584? Low powered Spainards often drift-ed
- 1610 ANGUILLA Carib. Beacon 0110 Aug 7 mx in EE, time ancmnt 9:14 PM then rlg. pgm. gd. sig.

GUILTY AS CHARGED

GEORGE HAKIEL 739 Van Buren Ave., W. Islip, NY 11795-R7A, Superadio, LW, Sanseroun Loop.

MARK ZAVATSKY 196 Figlar Ave., Fairfield, CT 06430-R-1000, R. West Ferrite Loop.

73's & good DX

Congratulations to Nancy Hardy, this years winner of the TVA !!

- KAZ -

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