

DX MONITOR

THE OFFICIAL
PUBLICATION
OF THE



INTERNATIONAL
RADIO CLUB
OF AMERICA

DEVOTED EXCLUSIVELY TO BROADCAST BAND DXING

November 28, 1987

Volume 25, Number 10

Edition PJB

In This Issue

Relationships between Solar Activity, the Earth's Magnetic Field, and MW DXing	2
Eastern DX Roundup	10
Central DX Roundup	12
Western DX Roundup	15
DX Worldwide East	17
DX Worldwide West	19
Eastern DX Forum	20
Western DX Forum	22

Coming Soon: DXing in Bavaria-
Part 2, The IRCA Technical
Column, and much more



Maybe it's the time of year, or maybe it's the time of man, but we've gotten a large number of catalogs, and information on new books and software in the past few weeks. Not all of them are related to BCB DXing, but some of you may be interested in them anyway. Here's a summary:

Century Print Shop is now taking order for the 1988 World Radio-TV Handbook from US DXers, for \$18 Book Rate or \$19 First Class. Deadline is 12/20. All Calif. orders add 6% sales tax. Send your orders to Century Print Shop 6059 Essex St., Riverside, CA 92504.

Spanish Language Broadcasters: a new list of such stations is now out, listing SW & MW stations broadcasting in Spanish in selected countries. It includes addresses for 600 stations, QSL policies, etc. The log will be printed in early Dec. It can be had for US\$5 from PO Box 6019, E 08080 Barcelona SPAIN.

Code Tape: Rob Harrington, PO Box 37512 Denver, CO 80237, has a program for learning morse code on a radio shack color computer. To get a listing, send him 30¢ & ask for Color Code.

The 1988 International Broadcasting Handbook: This 480 page book lists schedules, frequencies, addresses, etc for shortwave stations throughout the world, plus a receiver directory. The price in N.America is US\$21(surface), US\$24 (airmail) from DXLS, Box 1112, 3588 Homberg, WEST GERMANY.

Electronic Equipment Bank, 516 Mill St., Vienna VA 22180 has a new catalog with a wide range of general coverage receivers, accessories, and books. The catalog is 36 pages long and costs \$1.

Introducing International Radio is a new book by Ken McHarg. As the title implies, it's an introduction to short-wave listening. It's available for \$3.95 plus \$1.00 P&H from Global Village Press, Box 1345, Jeffersonville IN47131.

Tiare Publications, PO Box 493, Lake Geneva, WI has a catalog of their books such as Language Labs, SW Listening With the Experts, et' al.

AF Systems, has a new SEEKER Computer-aided Communications Monitoring System. Basically, it's a software package which runs on a Commodore 64 or 128, enabling you to control an ICOM R-71 receiver. It features VCR-like scheduled recording of programs, provisions for storing, printing, and searching for frequencies and other functions. For more information, write them at 0 Box 9145, Waukegan, IL 60079 and tell them you saw it in IRCA (there's a discount available for members of ANARC clubs).



RELATIONSHIPS BETWEEN SOLAR ACTIVITY, THE EARTH'S MAGNETIC FIELD AND MEDIUM WAVE DXING

Randy Seaver, Chula Vista, CA
Copyright, 1987

Here's Part 2 of the article which first appeared in the October 31 issue. The first part discussed some basic MW propagation theory and reviewed some of the indicators of ionospheric activity. It may be helpful to review it while poring over the interesting tables and graphs in part two. The article also has a list of references which we weren't quite able to shoehorn into this issue. Next week, I hope.

TABLE 1. Sunspot Number and Planetary A Index Data (1956-1986).

Year	Sunspot	Mean Ap	Ap < 8	7(Ap<16	Ap>15	Ap>80	Con A(B	Con A<16	Con A>15	
56	1956	141.7	18	97	127	142	8	10	13	9
	1957	189.9	20	93	124	148	13	5	11	9
	1958	184.6	19	91	123	151	8	7	18	25
	1959	158.8	21	85	114	166	13	8	12	13
	1960	112.3	24	84	95	188	14	5	9	12
61	1961	53.9	14	146	114	105	6	11	24	9
	1962	37.6	12	143	129	93	0	7	24	7
	1963	27.9	13	163	109	96	2	8	23	9
	1964	10.2	10	193	102	71	0	13	59	4
	1965	15.1	8	240	92	33	0	19	40	4
66	1966	46.9	10	209	100	56	3	15	54	5
	1967	93.7	12	175	119	71	4	8	29	6
	1968	105.9	13	124	146	97	4	9	22	3
	1969	105.6	11	168	131	66	2	10	26	6
	1970	104.7	12	167	125	73	5	13	27	6
71	1971	66.7	11	166	126	73	0	8	28	6
	1972	68.9	13	161	126	79	5	11	26	5
	1973	38.2	17	108	112	145	5	6	20	12
	1974	34.4	20	71	101	193	4	3	15	13
	1975	15.5	14	134	127	105	1	10	22	8
76	1976	12.6	13	152	121	94	3	11	23	7
	1977	27.5	12	154	138	73	0	8	49	5
	1978	92.7	17	117	123	125	10	8	18	7
	1979	155.3	15	108	152	105	1	6	23	12
	1980	154.7	11	165	120	82	0	12	33	8
81	1981	140.5	16	93	148	124	4	6	16	9
	1982	116.5	23	50	125	191	9	6	12	10
	1983	66.6	19	75	117	173	2	5	18	14
	1984	45.9	19	58	143	165	3	5	14	12
	1985	17.9	14	123	135	107	1	9	29	7
86	1986		12	167	113	85	4	13	26	10
=====										
AVERAGE		81.4	15	132	122	112	4	9	25	9
=====										

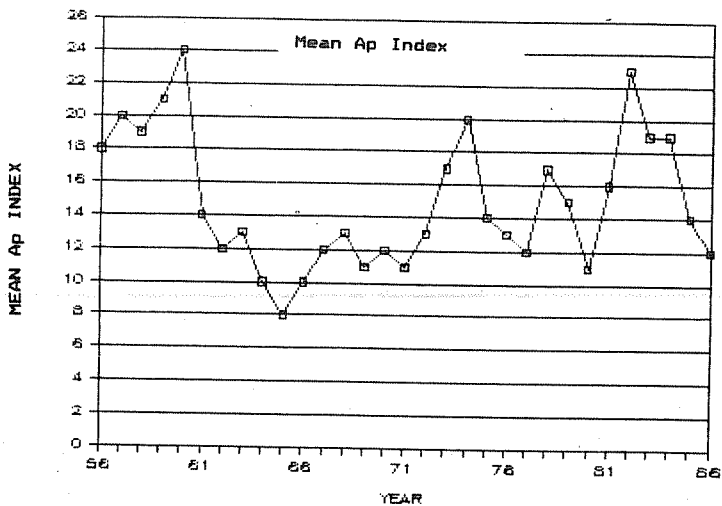
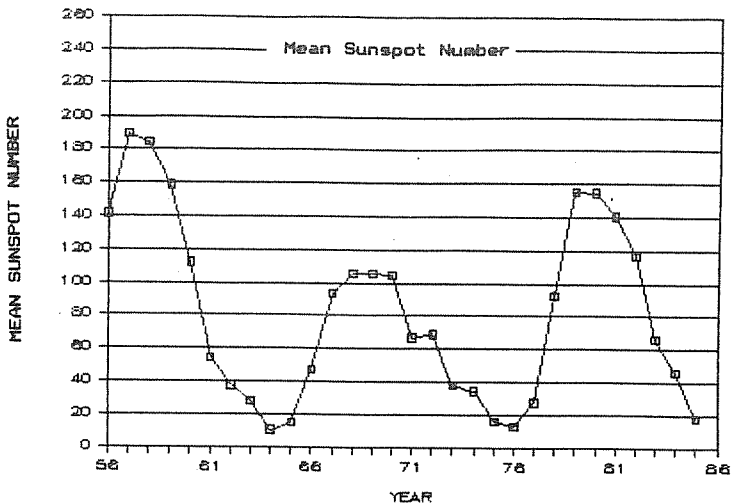


FIGURE 6. Correlation of Sunspot Number with Planetary A Index.

5. GEOMAGNETIC FIELD DATA

I recently obtained the A_p index data for the years 1956 through 1986. I tabulated the following information for each year in an attempt to correlate the A_p index with sunspot number:

- Sunspot number - monthly mean Wolf sunspot number
- Mean A_p - the average A_p for the year
- $A_p < 8$ - the number of days with a quiet geomagnetic field.
- $7 < A_p < 16$ - the number of days with a disturbed geomagnetic field.
- $A_p > 15$ - the number of days with an active geomagnetic field
- $A_p > 80$ - the number of days with a major geomagnetic storm

- Con A<8 - the maximum number of consecutive days with a quiet geomagnetic field
- Con A<16 - the maximum number of consecutive days with a quiet or disturbed geomagnetic field
- Con A>15 - the maximum number of consecutive days with an active geomagnetic field.

Table 1 shows these values for the years 1956 through 1986, which covers almost three sunspot cycles. Figure 6 shows a graph of the relationship between sunspot number and the mean Ap index; I expected to see an inverse relationship, with the lowest mean Ap index during the lowest sunspot years. The maximum mean Ap values occur 2-3 years after the sunspot maximum. The minimum mean Ap value occurred one year after the sunspot minimum in 1964, but there wasn't a real clear minimum mean Ap value in the mid-1970's. It is too early to tell the correlation in the mid-1980's since the sunspot minimum has just occurred in late 1986 or early 1987, just before this article was written.

Figure 7 shows a graph of the number of quiet days (Ap < 8) and sunspot number over the years since 1956. The trend is for the number of quiet days to be high when the sunspot number is low, and vice versa. But, the correlation is not perfect - the mid-1970's really don't correlate well, while the period 1956-1968 and 1982 to the present correlate fairly well. The minimum number of quiet days occurs 2-3 years after the sunspot maximum, while the maximum number of quiet days occurs 1-2 years after the sunspot minimum.

The correlation between the number of active days (Ap > 15) and the sunspot number is shown in Figure 8. With the exception of the mid-1970's, the maximum number of active days occurs 2-3 years after the sunspot maximum year.

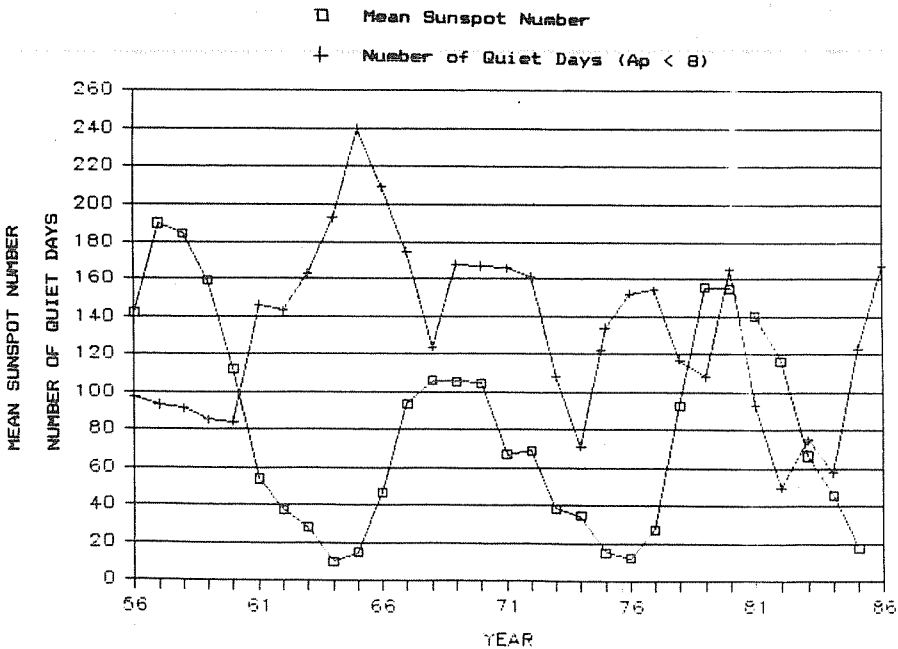


FIGURE 7. Number of Quiet Days vs. Sunspot Number.

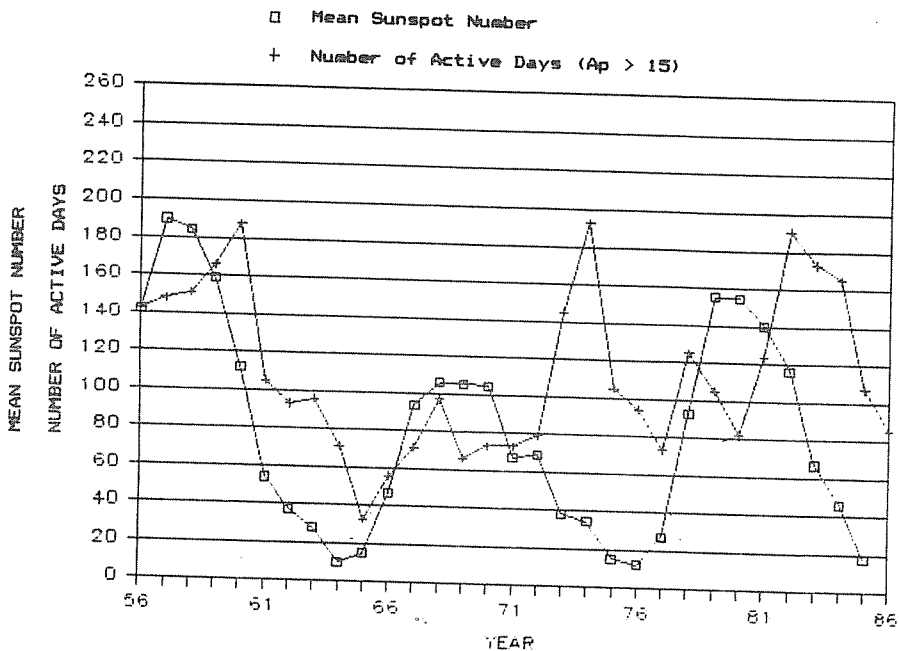


FIGURE 8. Number of Active Days vs. Sunspot Number.

It is evident that "something happened" in the mid-1970's. The sunspot number plot in Figure 8 indicates that the maximum number of sunspots occurred in 1968-69, with a monthly mean of 106 in those years. The minimum sunspot year was 1976, with a value of 13. 1973 and 1974 appear to be anomalous, with a higher than expected number of active days and a high mean Ap index in a time of declining sunspot number. There is no obvious explanation for this anomaly.

The year 1980 is interesting - it was just after the sunspot maximum, yet it had a high number of quiet days and an unexpectedly low number of active days. The years 1969 through 1971 show a similar occurrence.

The average Ap value for the years 1956 through 1986 was 15, which is the "break point" between "disturbed" and "active" geomagnetic field. The months with the highest average Ap during this period were April and September, while the months with the lowest average were December and January.

Over the period 1956-1986, Table 1 indicates that the highest number of consecutive days with a quiet geomagnetic field (Ap of 7 or less) was 19 in 1965. The longest period without an active geomagnetic field (Ap index of 15) or less was 59 days in 1964, with 54 in 1966 and 49 in 1987. Clearly, it is too much to expect periods of more than two weeks with a quiet geomagnetic field, or periods of more than one month without an active field. On the other hand, 1958 saw a 25 day period when the Ap index was over 15 and the geomagnetic field was active. It is common to have some periods of 3-6 days with an active field even in low sunspot number years.

I also got on the mailing list for the "Geomagnetic Indices Bulletin" published by the National Geophysical Data Center in Boulder, Colorado. This bulletin provides the daily Kp, Ap (planetary A), AF11 (Fredericksburg, VA A index) and other indices for each month.

TABLE 2. Planetary A Index for 1986.

Months Days	Jan 31	Feb 28	Mar 31	Apr 30	May 31	Jun 30	Jul 31	Aug 31	Sep 30	Oct 31	Nov 30	Dec 31	Year 365
1	25	5	18	8	5	15	7	6	9	7	13	13	
	18	6	12	5	43	8	13	5	16	23	6	8	
	10	6	12	14	40	10	8	19	7	9	16	6	
	5	5	8	4	17	7	7	20	7	7	67	7	
5	4	7	8	9	17	5	7	9	9	19	20	4	
	20	11	32	4	67	6	5	6	8	12	12	4	
	32	82	33	5	12	12	4	4	5	5	6	6	
	11	202	23	5	7	7	6	7	5	6	4	4	
	14	100	5	13	5	7	6	10	6	6	3	6	
10	11	10	2	19	6	13	6	6	6	3	5	12	
	4	20	2	6	6	6	4	7	16	4	14	8	
	5	18	7	10	7	6	6	10	89	2	9	4	
	3	15	21	5	4	6	7	10	22	28	5	12	
	4	19	8	4	3	6	4	5	12	31	5	20	
15	5	5	8	7	4	5	4	6	18	14	12	4	
	3	5	6	8	7	5	5	4	7	6	11	12	
	6	9	6	6	8	8	8	5	14	6	8	5	
	7	14	8	7	5	9	6	3	20	13	6	6	
	7	9	9	11	8	5	4	4	21	21	4	6	
20	6	17	3	5	5	6	3	15	18	14	5	7	
	15	26	17	7	6	6	6	29	11	11	3	11	
	11	30	22	11	3	8	7	29	4	6	2	14	
	17	35	11	10	8	5	5	25	43	5	12	22	
	12	19	21	12	7	7	15	22	22	2	46	10	
25	26	18	27	7	10	3	17	17	26	4	49	11	
	12	26	12	7	8	5	20	12	27	3	17	14	
	37	20	18	4	7	28	14	13	20	16	9	9	
	30	25	14	11	3	18	9	12	13	9	5	3	
	19		8	9	4	11	17	22	13	15	10	3	
30	14		5	5	10	9	11	27	5	14	14	4	
	8		7		17		12	16		6		7	
	401	764	393	238	359	252	255	385	499	327	398	262	4533
Mean	12.9	27.3	12.7	7.9	11.6	8.4	8.2	12.4	16.6	10.5	13.3	8.5	12.4
Median	11	18	8	7	7	7	7	10	13	7	9	7	
A<8	11	7	9	17	18	18	20	13	9	16	13	16	167
7<A<16	10	6	12	12	7	10	7	8	8	9	11	13	113
A>15	10	15	10	1	6	2	4	10	13	6	6	2	85
ConA<8	10	5	4	3	9	6	13	6	4	6	5	7	13
ConA<16	15	8	7	21	24	26	26	16	8	7	18	17	26
ConA>15	3	10	3	1	5	2	3	5	5	2	3	1	10

The A_p index values for 1986 are shown in Table 2 as a function of month and day. The mean A_p , median A_p , the number of quiet days (A_p between 0 and 7), disturbed days (A_p between 8 and 15), and active days (A_p greater than 15), and the maximum number of consecutive days with quiet, disturbed or quiet, and active days are tabulated for each month. Table 3 shows the same data for 1987 up through July, which is the last month I have available. I have tabulated data for 1972 through 1986 in this same format, available as part of this article from the radio club publication center.

Table 4 presents the 1986 and 1987 A_p index data in 27 day cycles rather than by months. There are some recurrent periods of high geomagnetic activity, but most last only 2 or 3 cycles at most. Some do not recur at all, and some skip one or more months (perhaps because the flare activity was reduced during that cycle). It should be noted that these years are at the sunspot minimum, so the recurrent effects may not be as apparent. Review of the data for 1982 (a high geomagnetic activity year) shows some recurrent patterns of more than 6 27-day cycles.

TABLE 3. Planetary A Index for 1987.

Months Days	Jan 31	Feb 28	Mar 31	Apr 30	May 31	Jun 30	Jul 31
1	18	7	9	10	7	8	2
	10	4	3	4	6	8	3
	6	4	6	2	6	4	9
	3	4	10	16	5	6	8
5	3	4	21	12	4	7	6
	3	7	10	7	5	25	5
	5	9	21	13	8	9	4
	7	14	12	11	4	4	10
	10	11	9	8	4	3	9
10	6	8	11	10	10	4	11
	5	7	8	7	6	7	7
	10	18	14	5	2	13	7
	6	4	8	12	6	6	4
	5	5	8	6	9	6	5
15	5	6	10	6	4	4	24
	12	12	12	4	4	8	20
	10	9	10	5	4	6	14
	8	7	12	4	2	6	10
20	7	5	11	8	2	17	8
	18	29	4	12	4	8	9
	10	19	18	3	3	6	6
	10	18	15	4	7	4	8
	11	14	6	4	8	3	6
25	7	12	5	9	20	7	12
	7	7	6	4	25	7	17
	7	6	13	4	9	9	4
	7	12	26	9	14	5	5
	11	13	12	2	10	4	26
30	10		5	4	21	5	52
	4		4	4	9	3	9
	8		4		11		14
	249	275	323	209	239	212	334
Mean	8.0	9.8	10.4	7.0	7.7	7.1	10.8
Median	7	8	10	6	6	6	8
A<8	17	14	9	18	19	21	13
7<A<16	12	10	18	11	9	7	13
A>15	2	4	4	1	3	2	5
Cons A<8	6	6	3	5	9	5	6
Cons A<16	18	22	13	49	*49	12	25
Cons A>15	1	3	1	1	2	1	2

A recent report by Bai and Sturrock (1986) indicates that there is an apparent 152 day periodicity of solar flares, based on data from the last two sunspot cycles. Review of the Ap index of the last five years shows some periodicity, but it is not consistent or uniform, perhaps because not all solar flares result in an active geomagnetic field.

6. MEDIUM WAVE DX EFFECTS

Long distance, high latitude medium wave DX depends on several factors. The most significant factors are the geomagnetic field activity and the position and characteristics of the auroral ovals. High levels of geomagnetic activity results in more intense auroral oval electron precipitation and higher radio wave absorption on paths passing through or grazing the auroral oval.

TABLE 4. Planetary A Index for 1986-87 in 27 Day Cycles.

		1986										
Start	End	1/1	1/28	2/24	3/23	4/19	5/16	6/12	7/9	8/5	9/1	9/28
		1/27	2/23	3/22	4/18	5/15	6/11	7/8	8/4	8/31	9/27	10/24
1	25	30	19	11	11	7	6	6	9	9	13	
	18	19	18	21	5	8	6	6	6	16	13	
	10	14	26	27	7	5	6	4	4	7	5	
	5	8	20	12	11	8	5	6	7	7	7	
6	4	5	25	18	10	5	5	7	10	9	23	
	20	6	18	14	12	6	8	4	6	8	9	
	32	6	12	8	7	3	9	4	7	5	7	
	11	5	12	5	7	8	5	5	10	5	19	
11	14	7	8	7	4	7	6	8	10	6	12	
	11	11	8	8	11	10	6	6	5	6	5	
	4	82	32	5	9	8	8	4	6	16	6	
	5	202	33	14	5	7	5	3	4	89	6	
16	3	100	23	4	5	3	7	6	5	22	3	
	4	10	5	9	43	4	3	7	3	12	4	
	5	20	2	4	40	10	5	5	4	18	2	
	3	18	2	5	17	17	28	15	15	7	28	
21	6	15	7	5	17	15	18	17	29	14	31	
	7	19	21	13	67	8	11	20	29	20	14	
	4	5	8	19	12	10	9	16	25	21	6	
	15	5	8	6	7	7	7	9	22	18	6	
27	27	9	6	10	5	5	13	17	17	11	13	
	11	14	6	5	6	6	8	11	12	4	21	
	17	9	8	4	6	12	7	12	13	43	14	
	12	17	9	7	7	7	6	12	22	22	11	
27	26	26	3	8	4	7	5	5	22	26	6	
	12	30	17	6	3	13	4	19	27	27	5	
	37	35	22	7	4	6	6	20	16	20	2	
	Avg	12.9	26.9	14.0	9.7	12.7	7.9	7.9	9.2	12.4	17.3	10.8

		1986					1987					
Start	End	10/25	11/21	12/18	1/15	2/11	3/10	4/6	5/3	5/30	6/26	7/23
		11/20	12/17	1/14	2/10	3/9	4/5	5/2	5/29	6/25	7/22	8/18
1	4	3	6	5	7	11	7	6	9	9	6	
	3	2	6	12	18	8	13	5	11	5	12	
	16	12	7	10	4	14	11	4	8	4	17	
	9	46	11	8	5	8	8	5	8	5	4	
6	15	49	14	7	6	8	10	8	4	3	5	
	14	17	22	18	12	10	7	4	6	2	26	
	6	9	10	10	9	12	5	4	7	3	52	
	13	5	11	10	7	10	12	10	25	9	9	
11	6	10	14	11	5	12	6	6	9	8	14	
	16	14	9	7	29	11	6	2	4	6	6	
	67	13	3	7	19	4	4	6	3	5	5	
	20	8	3	7	18	18	5	9	4	4	4	
16	12	6	4	7	14	15	4	4	7	10	9	
	6	7	7	11	12	6	8	4	13	9		
	4	4	18	10	7	5	12	4	6	11		
	3	4	10	4	6	6	3	2	6	7		
21	5	6	6	8	12	13	4	2	4	7	7	
	14	4	3	7	13	26	4	4	8	4	4	
	9	6	3	4	9	12	9	3	6	5	5	
	5	12	3	4	3	5	4	77	6	24	20	
27	5	8	5	4	6	4	4	8	17	8	14	
	12	4	7	4	10	4	9	20	8	14		
	11	12	10	7	21	10	2	25	8	10		
	8	20	6	9	10	4	4	9	6	8	8	
27	6	4	5	14	21	2	4	14	4	9	9	
	4	12	10	11	12	16	7	10	3	6	8	
	5	5	6	8	9	12	6	21	7			
	Avg.	11.0	11.2	8.1	8.3	11.3	9.9	6.6	10.2	7.7	8.0	

High-latitude paths that pass below a tangent point to the auroral oval (Path A in Figure 4) will suffer little or no auroral absorption, while paths that graze the auroral oval (Path B in Figure 4) will suffer high auroral absorption. Some paths may cross at near right-angles to the auroral zone (Path C on Figure 4, shown also on Figure 5), pass under the auroral "curtain" and suffer limited auroral absorption. These "doughnut hole" paths may be deflected from a great circle path and may experience chordal modes (where the ray passes above the Earth's surface and re-enters the ionosphere) due to the non-uniform electron density found in the polar regions.

These trans-polar paths are responsible for Northwest Europe reception of Northwest North America (and vice versa) and Northeast North America reception of Northeast Asia (and vice versa). Southwest, Mid-western and Eastern North America reception of Southern Europe is by near-grazing paths (Path A), as is Western North America reception of Eastern Asia. Super-position of a typical auroral zone on a world globe will help the DXer determine the likelihood of reception of different areas from his location.

The correlation of long-distance, high-latitude medium wave receptions is beyond the scope of this article. The conventional wisdom is that trans-oval receptions or near-grazing path receptions should be improved during periods of low sunspot number and low geomagnetic activity. Long periods of low geomagnetic activity reduce residual ionospheric absorption and increase the probability of receiving signals on high-latitude propagation on "grazing" paths or "doughnut-hole" paths. There are other complicating phenomena, such as the Winter Absorption Anomaly (also known as the Mid-winter anomaly) which causes reduced signal strengths during periods of low geomagnetic activity, mainly during the winter solstice months (December and January in the Northern hemisphere).

7. CONCLUSIONS

Based on the data presented in this article, the following conclusions can be drawn:

- a) Solar energy affects the Earth's geomagnetic field and causes variations in the strength of the field.
- b) The sunspot cycle is 22 years long, with two 11-year periods between sunspot number maxima.
- c) High geomagnetic field activity is associated with high sunspot number and solar flare activity. However, high activity can occur in years with low sunspot numbers.
- d) The number of geomagnetically quiet days in a year is highest in the 1-2 years after the sunspot minimum.
- e) The number of geomagnetically active days ($A_p > 15$) in a year is highest in the 2-3 years after sunspot maximum.
- f) In sunspot minimum years, periods of 20-30 days or more without high geomagnetic activity are common. However, some periods of high geomagnetic activity do occur.
- g) In years during and after the sunspot maximum, periods of 15-20 days with high geomagnetic activity are common. However, some periods of low geomagnetic activity do occur and high-latitude Medium Wave DX is possible.
- h) A 27 day recurrence of active geomagnetic field conditions is related to the solar rotation, and is typical, but not absolute. A 152 day recurrence of specific solar flares is observed occasionally in the geomagnetic index data.
- i) The average A_p index value is 15 for the years 1956-1986. The lowest yearly average A_p value was 8 in 1965, and the highest yearly average A_p value was 24 in 1960, with 23 in 1982.
- j) The months with the highest average A_p index are April and September.

B. THE FORECAST

Just like forecasting the weather, forecasting the Sun, the Earth's magnetic field and ionosphere is risky business. Based on the data and conclusions presented above, the following forecasts are made (with high hope!):

- a) The period between Fall 1987 and Spring 1989 will be good to excellent for high-latitude medium wave DXing due to the low sunspot numbers. There should be some periods of 20-30 consecutive days with quiet or disturbed geomagnetic field which should be the best for high-latitude DXing. DXers should monitor the A and K index data on WWV for up-to-the-minute geomagnetic activity. The best time of the year are the months of September through mid-November and mid-January through mid-April.
- b) The sunspot maximum should occur in 1991-1992 with a maximum sunspot number of 100-150, followed by a slow decline in sunspot number to the next minimum in 1997-1998. Even so, there will be periods of quiet and disturbed geomagnetic activity when high-latitude DXing is possible. There may even be a year like 1980 which had a high number of days with quiet activity with a relatively high sunspot number.

Too often DXers judge the quality of a DX year by first impressions - how "good" was September for high latitude DX. There have been some poor Septembers in low sunspot years (1977 and 1986, for example) that were followed by good Octobers and Novembers. Don't give up too early in the DX year!

Editor: Tim Kridel Deadline: Fridays
Box 147
Middle Island, NY 11953

EASTERN DX ROUNDUP



Greetings! We've got a good-sized column this week, with a real cross-section of the area served by EDXR. We've also got a new member reporting this week. She's Marie P. Guadagno of Trenton, NJ, who writes that she loves her new hobby. Welcome to EDXR, Marie! I hope to hear from you often.

With that, here's the reporters to EDXR this week...

(MB-ON) Mike Brooker; 99 Wychcrest Ave.; Toronto, ON; M6G 3X8
RF-2200, ICF-7600D

(GH-PA) Gary A. Heisey; Box 310F RD1; Osterburg, PA; 16667
Philco radio, GE Superadio II, 4' floppy loop

(MG-NJ) Marie P. Guadagno; 2428 White Horse Rd.; Trenton, NJ; 08619
GE portable

(TK-NY) Yer editor
Bearcat DX-1000, 130' longwires running NS and NW/SE, Palomar loop

(JDS1-AL) J.D. Stephens; 3605-8 Chasewood; Huntsville, AL; 35805
Panasonic RF-2600, RF-B300, 30' longwire

(JDS2-AL) J.D. Stephens
Sears AM/FM car radio

560 KWTO MO, Springfield 11-4 1758 Good o/ WHBQ, w/ KWTO nx by Lori Young. ID "With the nx more people depend on, this is KWTO, Springfield," into CBS nx. (JDS1)

560 tWIND IL, Chicago 11-5 0610 Poor, mixing w/ local WFRB. SS program, SS mx, ment of Chicago by man. Loop was west. Tentative. (GH-PA)

570 WPLP FL, Pinellas Park 11-5 1812 Fair w/ ments of Tampa, St. Pete. Local business program. "Pulse 13 on WPLP, we're the talk of Tampa Bay," at 1820. (GH-PA)

580 KALB LA, Alexandria 11-2 2001 Vstrong w/ SNN nx, "KALB" jx, C&W mx, 2010 ID "From the heart of LA, the best country mx- KALB." (JDS2-AL)

590 WOW NE, Omaha 11-5 0600 Fair w/ "The radio voice of mid-America, WOW AM and FM, Omaha," into local nx. C&W mx. Amazing how this gets out on 5 kW. (GH-PA)

- 590 WVLK KY, Lexington 11-5 1720 Good w/ Carpenter's song from 1970, WVLK ID by man. "59 traffic watch" and "Stereo 59 WVLK." (GH-PA)
- 630 WBMQ GA, Savannah 11-5 1735 Fair w/ old T40 songs. WBMQ ID. Lost to WMAL, w/ loop to south. (GH-PA)
- 640 UNID 11-2 0705 Fair to vgood, alone, w/ many "AM 640" IDs and C&W mx. DJ Chris Edwards, ments of Tri-Cities and Kingsport. NBC, time check in EST. (GH-PA) (NRC Log #7 has WMSO Collierville, TN as C&W mx. Collierville is near Memphis and West Memphis, but that doesn't make a "tri-city." -TK)
- 640 WNNZ MA, Westfield 10-20 1800 Good w/ IDs as "New Englands oldies stn 640 wins." Run-down of greyhound racing results, oldies mx, promo for "Yearbook" program, highlighting the year 1965. Disappeared w/ pattern change at 1815. (MB-ON)
- 670 WYOS AL?, 11-4 1725 Fair w/ old T40 song, "Satellite sports update on AL radio net." WYOS ID by man. Mx by Ink Spots, Mills Bros. Faded to SS stn at 1750. Heard calls clear. (GH-PA) (J.D. Stephens, can you help? -TK)
- 680 WCNN GA, Atlanta 11-1 1833 Poor in mud w/ promo for Bobby Ross show. Sports scores, "CNN" ID. (JDS1-AL)
- 710 WUFF GA, Eastman 11-1 1825 Poor o/ Cuban, w/ "Woof radio" ID, "You're listening to WUFF, serving middle GA." (JDS2-AL)
- 760 WCHP NY, Champlain 10-30 1645 Fair to good in WJR null, w/ promo for gospel concert, ID "This is WCHP Champlain, Plattsburgh, Montreal," into "Talkback" program, discussing satanic ments in heavy metal mx. Donation request at 1-800-223-CLUB. As of Nov. 2, show would no longer be live, but heard taped on Sat. mornings. (MB-ON)
- 760 tWCPS NC, Tarboro 10-26 1727 In WJR null, w/ promo for NC Wolfpack vs. East TN state football broadcast. No ID heard. Disappeared at 1728. (MB-ON)
- 760 WJR MI, Detroit 10-22 0600 Fair w/ Don Streeter mx. (MG-NJ)
- 770 WYRV VA, Cedar Bluff 11-3 1653 Fair to good in WABC null, w/ many political anncmts for Fawcett County Commissioner of Revenue and other local candidates. WYRV ID, local spots. (MB-ON)
- 770 WJMW AL, Athens 11-5 1743 Good to vgood w/ no WABC, WLWL null, w/ C&W mx. "Stereo 77 WJMW" and "77 sports time w/ Dan ???" at 1746. (GH-PA)

You don't have to be crazy to report to EDXR, but it helps...

- 780 WABS VA, Arlington 10-22 1825 Vgood in WBEM null, w/ gospel mx, ID as "Sunlight 780 WABS." Ment at 1830 that WABS will now be switching to post-sunset power. Lost at 1830. (MB-ON)
- 800 WKBC NC, N. Wilkesboro 11-5 1715 Fair, brief in jumble w/ wx, WKBC ID by man. (GH)
- 820 WZQY MD, Frederick 11-9 2037 Vpoor in mess w/ C&W mx, contest promo. Many "Hit country 82Q" IDs. ABC mx at 2057, more mx at 2058. (TK-NW)
- 830 KBOA MO, Kennett 10-31 1830 Vpoor w/ "We invite your comments. KBOA is owned and operated by ?? Thank you for listening." S/off seconds after WNYU. (GH-PA)
- 890 WLS IL, Chicago 11-9 2033 Fair to poor w/ hvy 900 slop. Sports talk show w/ host Gerry ??, and guest Jim McMahon. #(312) 591-???? Ads for Chicago stores. (TK)
- 920 WGST GA, Atlanta 11-3 1731 Fair in CBO/CKNX null, o/ WBEN slop, w/ ID "WGST nx-radio 92," into local traffic report, nx headlines. "WGST 3 day wx forecast" at 1735. Faded by 1736. (MB-ON)
- 930 WBEN NY, Buffalo 11-9 2000 Vpoor in mess w/ UNID oldies stn, w/ "Nx from western NY's nx leader, WBEN." WBEN mx at 2000. (TK-NY)
- 930 WBYG IL, Sandwich 11-5 1853 Poor to fair w/ "Country's best on WBYG" and "AM 930 community bulletin board." Wx by YL, DJ Terry Stevens. (GH-PA)
- 930 WRXJ FL, Jacksonville 10-31 1755 Fair w/ "Oldies but goodies" slogan and WRXJ ID by man. Gone suddenly in middle of song at 1800. (GH-PA)
- 940 CEM QU, Montreal 11-8 2006 Good, vstrong w/ sports nx program and ID "This is CBC radio, your official Olympic network." "State of the Art" program w/ Shelia Rogers. (TK-NY)
- 960 WERC AL, Birmingham 11-5 1730 Fair to poor w/ ID and time check, spot for Birmingham Bessemer cable. Traffic report w/ YL, local nx headlines. Gone by 1733. (MB-ON)
- 970 WVOP GA, Vidalia 10-22 1928 Weak u/ WAVG, w/ s/off annmcnt. Ment 418 watts PSSA, invitation to tune to WVOC-FM 97.7. Male choir SSB at 1930. (JDS1-AL)
- 1040 WJOR TN, St. Joseph 11-1 1815 Fair to good w/ gospel mx. ID by YL w/ hvy southern accent, playing request mx. Church bulletin board feature. (GH-PA)
- 1070 WFLI TN, Lookout Mtn. 11-4 0730 Good w/ morning devotion program. "This is WFLI Lookout Mtn, Chattanooga. It's 7:30" by man between relig programs. (GH-PA)

700 ???? ?? ???? , 10/29 u/WLW. 1920 w/english language gospel program, 1927 mentioned St. James Bible, 1929 gospel hymns, signal very weak next half hour. 1959 fast talking male, missed ID. Is this a domestic? Does Jamaica carry a gospel program at this time? First time heard, good southern conditions, loop bearing points to Jamaica or new CP in Donathan, AL. HELP! [THJ-IL]

710 CKVM PQ Ville Marie, TENTATIVE, 11/9 very poor, WGN noise, 2056 w/two men w/hockey in FF, seemingly \\CBF-690, returned at 2221 w/better signal, definitely \\CBF w/Les Habitants vs Toronto. It's true, they spoke FF w/a British accent, hi! [5P-11]

720 ???? ?? ???? , 10/9 in WGN null. 0632 w/jazz music, 0645 w/sports, and 0700 caught only "Total Entertainment..." part of ID. 0702 w/Ann Taylor reading news. Any ideas? First time heard. [THJ-11]

740 KCBS CA San Francisco, 10/31 good. 0420 w/local spots, talk program, ID: "The New 74, K-C-B-S". [SA-ME]

KRMG OK Tulsa, 10/30 poor on SRS, WNDZ-750 splatter. 0819 w/DJ running "Birthday Contest" asking for calls 460-KRMG & offering a \$74 prize. Then a remote at U. of Tulsa for homecoming events. Day pattern? New from IL, last logged in Hawaii! [5P-11]

WSVQ TN Harrogate, 11/7. 0600 w/sign on. "We're coming to you from the heart of the tri-state area, 740, WSVQ, Harrogate, Middlesboro and Tazewell. We are serving the TN, KY, & VA tri-state area" This is believed to be the WSBQ-740 mentioned in the EDXR in issue #796. Believe WSVQ is still correct call. [TNJ-11]

770 WABC NY New York, 11/9 fair, slight WBBM splatter w/PBP of same game. 2330 w/Jets vs Seattle football. Local spots, PBP mentioned Daily News Hometown Contest w/a winner in Albany. No mention of a team network. Is there one? [5P-11]

790 CKSO OH Sudbury, 11/1 poor then very poor, heavy WBBM slop and a het! 2348 w/song by Cutting Crew, DJ w/ID "on 790, CKSO" and promo "Coast To Coast" at 0000. Back to music. New from IL. [5P-11]

850 CKVL PQ Verdun, TENTATIVE, 11/10 very poor w/co-channel noise and/or transmitter hum. 0015 w/FF male w/"Teletalk" call in show. KOA kept jumping in and out; is this "yo-yo" fading? [5P-11] (Believe the industry calls it "selective fading" John.)

860 ???? ?? ???? , 10/28 very poor o/u/CJBC, WAIT-850 noise. 1848 w/Spots for Harmon Furniture, Boston State Bank. Then man asking for birthday dedications, woman playing rock oldie "Alley Oop", then lost. Any ideas? [5P-11]

900 CHML ON Hamilton, 10/31 poor; heavy WLS splatter. 0421 w/song by the group "Cutting Crew", DJ talk "Eric Coe, 4:21 on Halloween in Hamilton at CHML, CKRP". Sports scores, weather, Spot for Jim Graham Chevy-Olds. New for me. [5P-11]

930 WAMX WV Huntington, 10/26 poor but loudest signal u/WYBG's OC, noted Relej further down. Some CBM-940 splatter. 0233 w/song by Double, taped slogan "W-mix, the new 93-seven", then same DJ on satellite feed "playing the hits, here's Swingout Sister". Slogan again and mention of WAMX Halloween contest with the Discount Pharmacy. Into Billy Joel tune. Probably \\WAMX-FM Ashland, KY. WV#2 from IL, last logged from TN when they were WGWT. [5P-11]

WBYG IL Sandwich-Aurora, 10/26 sort of ripply signal. 0233 Testing. Probably WYBG w/rare MM ET, w/loud hum of an OC. [5P-11] +10/25, 2300 w/OC w/terrible hum. Then 11/1 PM to 11/2 AM, 0520 noted w/OC & TT. Erratic SP. [TNJ-11] (That's a lot of testing! Keep us posted. John)

940 KIOA IA Des Moines, 11/4 very poor u/CBM w/usual daily OC & hum, SAH. 0117 briefly noted w/ID "KIOA brings back Super 7", then into rock oldie. New for me. [5P-11]

960 CFFX ON Kingston, EX-CKWS, 11/2, 0031 w/ID "C-fox, CFFX, 9-60", oldies rock, Spot for 24 hr McDonalds in Kingston. [IL-1H]

WELI CT New Haven, 11/2 poor mix w/CFFX. 0021 w/Best Of King. [IL-1H]

WSBT IN South Bend, 11/10 poor, o/R. Relej Cuba & others. WJPC-950 splatter. 0203 Mutual News ending, Spot for CBS-TV w/local tag for WSBT-TV, ch. 22. Promo for "WSBT 9-60 radio's Let's Talk Turkey contest" on "Michiana's Radio Station". Back to Larry King. (1/4 second ahead of WCZE). [5P-11]

1000 WLUP IL Chicago, 10/17. 0324 when I was chasing AN SS "Radio Mil" WLUP popped back up w/sign on. Gave Downers Grove, IL address. Had previously noted off on a MM and a Tuesday morning in the recent past. Erratic SP. [TNJ-11]

1010 CFRB ON Toronto, 11/4 poor on SSS, heavy WLUP-1000 splatter. 1649 w/Phil Collins song, into traffic report, Spot for Canadian Air flights to Montreal. Spots for Golden Horseshoe GM Dealers, Barrie Manor Condos in Barrie. ID "CFRB, 10-10". Instrumental music selection "Sketches". A suprise afternoon ketch! New from IL, last logged in Wisconsin in 1982! [5P-11]



WESTERN DX ROUNDUP

2301 PACIFIC AVE., ABERDEEN WA 98520

Deadlines for receiving tips: Tues. 12/8, Mon. 12/14, Mon. 12/21, Tues. 12/29

REPORTERS FOR THIS ISSUE:

- (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, Radio West loop
- (NH) Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, Radio West loop
- (DL) Doug Lamerson-1777 East-West Road-Honolulu, HI 96848
DX'ing from Makapu'u, O'ahu with car radio & 100' longwire
- (MR) Mike Riordan-P.O. Box 1195, Goleta, CA 93116
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

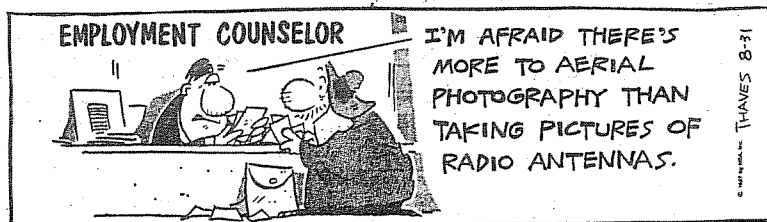
- 610 KONA WA, Kennewick-Richland-Pasco 11/9 0553 with a string of PSAs, ment. of "Tri-Cities" & Sinatra's "Summer Wind." In place of unusually weak KFRC. (DL-HI)
- 740 KCBS CA, San Francisco 11/9 0915 finally logged with all news format, a good deal weaker than the usually dominant KTRH. (DL-HI)
- 770 KPLA CA, Riverbank 11/14 1940 loud on 50kw in KRPM null, Portuguese program, mostly talk with some music & studio half of telephone calls with phone ringing in studio (possibly a contest). 1958 DJ ended show, switched to English & said goodbye "on KPLA," then "take it away anytime." Instrumental music fill, disappeared abruptly at 1959 power cut, same tune very poorly 1959, full legal ID 2000, into syndicated hard-rock Christian music show. First positive ID here. (BH&NH-WA)
- 880 KIXI WA, Mercer Island 11/9 0418 way over everything on freq. with ID, rarely this strong. Great conditions to NW this morning. (RW)
- 910 CKDQ AB, Drumheller 11/9 0432 very good in KNEW null, alone with ID "Q-91," no trace of XEAO or KALL. (RW-CA)
- 990 KBLS CA, Santa Barbara currently 1000/117 U3, per phone conversation with owner Bob Yoeman. Will raise nite power to 500w U4. A new tower will be added on their current mountain site. 2 towers are currently used. KBLS shares towers with AOR KTYD FM 99.9. (MR) (NRC's AM Switch has them granted KKSB calls. I noticed that in Broadcasting Information they were granted 5000/1000.--NH)
- 1020 KCKN NM, Roswell 11/9 0150 with C&W, ID'ing as "Interstate 1020" at good level with KTNQ off for an hour or so. (DL-HI)
- 1050 KNXX NM, Albuquerque per call to KNXX, hope to come on the air 11/23, 1000/500, MOR format. (RW-CA)
- 1130 KRDU CA, Dinuba 11/14 1849 fair in CKWX null, low-key play-by-play Football broadcast, Kings River College vs. Taft, 62-0 rout. Announcer mentioned KRDU. New for me. (BH-WA)
- ?KCBMR? ND, Bismarck 11/14 1827 99% sure it was them. No ID, but country music, Central time check, Bismarck Teen Center PSA, Bismarck ads, national ads, 1831 national headlines, more country music, YL DJ, possibly said KBMR between songs 1836. Gone by 1840. Believed running day power past 1815 Bismarck sunset. Nancy heard them 11/19/86 so I'll keep trying. (BH-WA)
- CKWX BC, Vancouver 11/14 1815-1850 strong as usual with country music and "WX-1130" slogans. Johnny Canuck, didn't somebody report they had changed to Ad Con music this past year? Or was that just after midnight on their "Nightshift" satellite show? (BH-WA)
- 1140 CISS AB, Calgary 11/9 0337-0400 good at times o/u KRAK, smothered KRAK 0410, ID 0349 as "Calgary's all new, Kiss AM," another ID "4 songs in a row, on Calgary's Kiss-AM," format mix of oldies and newies. Call change, ex-CKXL. (RW-CA)

- 1150 WJBO LA, Baton Rouge 11/9 atop the channel when I happened by at 0715, with "Tigers Today" program on LSU sports, and mobile phone spot featuring Archie Manning. Good for 10 min. or so then KIIS took over again. (DL-HI)
- 1190 KLIF TX, Dallas 11/11 0120 finally identified as the Talknet station perpetually under KEX. (DL-HI)
- 1220 WGAR OH, Cleveland 11/9 0627 after weeks of looking (?) with Eric Clapton's "Lay Down Sally," & into news. Even with and slightly above XEB for a few minutes, then lost out. State #26. (DL-HI)
- 1230 KLAZ NV, Las Vegas 11/9 0438 way over all on freq. with ID "KLAZ, K-Las Vegas," Tom Jones song. (RW-CA)
- KVAS OR, Astoria 11/11 1002 cleanly atop freq. with Mutual News & spot for local pharmacy. (DL-HI)
- 1290 KESP CA, Santa Barbara since Nov. 1985 has been diplexing with KDB-1490. The tower that KACL, KKIO, & KXXN-1290 has used is now being taken down. (MR-CA)
- 1330 KLBS CA, Los Banos 11/8 2300 English ID then into Portuguese and later Spanish. No sign of KFAC. (DL-HI)
- 1340 KATA CA, Arcata 11/8 2340 floating on top of the mess with patter & talk about upcoming football game vs Eureka. Even had Arcata HS cheerleaders in the studio. (DL-HI)
- 1350 KCKC CA, San Bernadino 11/9 0424 o/u, then over KSRO with ID, C&W. Have noted them lately very strong at times, have they altered their DA? (RW-CA)
- 1360 KPOP CA, San Diego 11/11 0930 with morning show live from Miramar Lincoln-Mercury. Never heard in evenings here. KUIK usually has its way with the channel. (DL-HI)
- 1440 KVON CA, Napa 11/11 0958 with CA agriculture report. Very solid for half hour. (DL-HI)
- 1550 ?KRPN? UT, Salt Lake City 11/9 0520 noted using the "WKRP" & "KRPN" ID again. ID on quarter hour. Have they changed calls back to KRPN from KRGO? (RW-CA) (No, KRPN is their FM call. This is a tricky station, as you HAVE to listen on the hour for their legal ID!--NH)
- 1560 WQXR NY, New York 11/11 finally materialized with usual class. programming. ID & news at 0531, "It's 5:31 and 31⁰ in Manhattan." Weak & soon disappeared behind the unID SS that usually dominates after KPNC s/off. The addition of a longwire definitely helped here. I'm not sure of their sked but MM may not be best time to look for them from here. (DL-HI)
- 1600 KGST CA, Fresno 11/8 2335 ID'd as the perennial Spanish under KMNy. (DL-HI)

CORRECTION

- 529 FDV AK, Nome this is the correct ID & freq. for what I erroneously reported last time as JNR (which is 382). Still 400w with cw ID & voice weather updates which are usually heard 0630-0830. (DL-HI)

Recently I received a report that had catches on both sides of the sheet of paper. Since I cut all the tips apart to put them in frequency order, anything that you put on the back of the paper gets lost. Speaking of getting lost, last week we received someone else's mail two different days! Makes me wonder if someone else receives WDXR reports.... ♡



DX WORLDWIDE EAST

JIM HALL
240 BYRON RD.
PITTSBURGH, PENN.
15237, U.S.A.

TIME: GMT/UTC

■ Short column this week. Hope last week's column made the deadline with the holiday. TA conditions still are on the rather poor side; LA's are doing ok with several slightly auroral openings, but nothing major yet although the BCB was loaded with LA's around 11/14. Not too much else new, except for the Jamaican bonanza that eve (11/14).

* * * * *

TRANS - PACIFIC DX

- 738 unID, v. por/nil carrer 0950 11/13. Still barely audible 1029. Also 0907 11/18 poor again. TP? (Hall-PIT)
- 756 unID, 0952 11/13 : V. poor carrier. 738 and 756 are the best being heard now, with others missing most every morning checked in Nov. Again 0905 11/18, poor, others except for 738 absent. (Hall-PIT)

TRANS - ATLANTIC DX

- 1251 t LIBYA, Tripoli 0224 11/11 : Likely the one w/some audio, but too much local 1250 slop to suppress. Seemed to be talk by man using NSHD mode. (Hall-PIT all)
- 1349 unID, (Mauritania?) 2356 11/11 : Is Mauritania still here? Carrier hetting 1350.
- 1367 unID, (Luanda, Angola?) 0220 11/11 : Carrier good to v. good at times with weaker het from TA on 1368. Did Angola ever use 1368 according to the Geneva Plan? Coastal DXers?
- 1386 unID, 0410 11/13 : Quite strong at times in slop -- almost strongest BCB TA (helped by less slop from 1380/1390), man talking but unID lang. Likely USSR w/RMWS.
- 1502 unID, TA? 0433 11/18 : Fadey carrier w/1503-TA het. Bill Harms, do you get anything here?
- 1521 t CHECHOSLOVAKIA, Cizatrice 0437 11/13 : Talk in Slavic tongue by woman - audio barely in past slop. Presume Cizatrice.
- 1554 unID, (Gabon?) 0213 11/11+ : Slightly fadey but pr/gd carrier on TA ant's. Gone by 0235.
- 1611 t VATICAN, Vatican City State 0406 11/13 : Poor at best tonight w/r1sg-sounding talk in unID lang. -- Almost gone by 0420.

PAN - AMERICANA DX

- 530 COSTA RICA, Cartago 0243 11/14 : TICAL dominant o/CJFT w/LA rumbas, m ancr. Fr/gd. (Hall-PIT all unless noted)
- 550 JAMAICA, Montego Bay RJR 0310 11/14 : //580/720/770 pr/fr with Cuban/Venezuelan QRM. Promo for play ment "tickets on sale at Woolworth's". Carib. cx briefly xInt. VENEZUELA, Caracas 0635 11/15 : YVKE w/"La Radio Alegria" & "Mundial" ID's, Venez. party mx ("Alegria" means merriment). Mixing w/Cuban/WGR/WKRC/KFYR.
- 560 JAMAICA, Kingston JBC 0300 11/14 : //620/700/750 w/BBC World mx ending 0309, fem. ancr w/"Radio One" ID. Briefly LOUD and ON TOP. Later fair w/reggae mx.
- 580 JAMAICA, Galina RJR 0306 11/14 : //550/770/720 w/"R. RJR" SID's, West Indian-EE accented ancrs w/community and civic events. Deep Cuban 580.150 het.
- 600 COLOMBIA, Barranquilla HJHJ 0010 11/13 : R. Libertad good o/u Cuban w/tropical mx.
- 620 JAMAICA, Mandeville JBC 0308 11/14 : //850/700/750/560 fem. EE talk of local events. Cuban dominating mostly, but Mandeville occ peaked up to v. good o/Cuba. New, and unexpected as I have tried for JBC here many times.
- 650 HONDURAS, El Progreso/San Pedro Sula 0304 11/14 : HRVW w/"LV de Centro America" ID around 0258. Mixing w/Cuban Rebelde, u/WSM. Possible drama-type presentation.
- 700 JAMAICA, Montego Bay JBC 0313 11/14 : //850/750/620/560, poor w/Colombian/WLW QRM.
- 720 JAMAICA, Kingston RJR 0307 11/14 : //770/580/550 fr w/slop desde local WPIT-730.
- 750 JAMAICA, Port Maria JBC 0304 11/14 : //850/700/620/560 w/EE talk. u/dominant WSB & R. Sandino, Nicaragua.
- 770 JAMAICA, Spur Tree RJR 0301 11/14 : //720/580/550 w/HJ/WABC. Weak and fading up every few min.
- 850 JAMAICA, Old Harbour JBC 0314 11/14 : Barely peaking up at times //750/700/620/560. Only Jamaican AM missing was 790 at James Hill, still unheard here -- on??
- 1146 unID, (Haiti?) 0258 11/13 : Poor carrier on LA antennas.
- 1330 HAITI, Port-au-Prince 0100-0130 11/17 : Per phone tip: FF and possible "Radio France Internationale" nx at 0105. Later at 0130 w/what sd/1k "Voice of Cap-Haiti" by man, then same ID by woman, into choir-like mx. I couldn't get it in Pittsburgh (ed), but Ron played his tape over the phone and it sure sounded like the above quoted ID's. (Trotto-FL phone tip)

- 1575 DOMINICAN REPUBLIC, Sanot Domingo 0225 11/13+ : TC at 0225 by SS m, into Church hymns. Audio best on Bev's in good Carib. cx - carrier-freq. measured at about 1574.82a. S/off w/marching band anthem or national song @0255 and immediate carrier-cut. S/on times seem irregular, around 1000 as late as 1030.
- 1580 COLOMBIA, Barranquilla HJQZ 0806 11/17 : ON TOP, mostly v. good trading places w/CBA occ. Mornings around this time seem to be the best time to hear HJQZ. ID @0800 w/drumroll/fanfare "LV de las Estrellas - 15-80 kilohertz...?.... LV de las Estrellas" w/trumpeters ending up fanfare. Tropical Colombian pops.
- ANTIGUA, St. John's VOA Relay 2358 11/18 : S/on 2358 w/Yankee Doodle IS until 0000. In mess with WKKD/WLIJ/CBJ/unID domestics.
- 1760 CUBA, (from 880) - 2nd harmonic fr-good. 880 in also with regular Progreso pgm of Cuban vocals, SS m & w announcers.

HELP w/unID's:

981 Reference Jim's 10/20 logging, DMX Volume 25 #6 : "I listened to this channel at the time in question last night 11/9 2300-0000 and noticed the following: The channel was basically occupied by Algeria with domestic French language service and by Greece with its ERT-2 Service. I concentrated on Algeria as this was probably what Jim heard. I could use my Wedge and null out Greece so I pretty much ignored them. The primary announcer was a female, a male also spoke some too. They spoke in French but they both had heavy accents. In addition to the talk, I heard some Arabic mx and pop music. At one point there was a phone call which was broadcast over the air. I would have to say that although it is difficult to say what Jim heard, there was nothing in the report to indicate that he didn't hear Algeria. I hope this helps." (Harms-FRG)
 (Thanks, Bill -- this is in with other TA's carriers that eve. Although nothing much else was heard that eve in TADX (even 891 Algeria was not doing well, and actually NO TA's have yet been doing that well) I still think this was TA although there is always the possibility of it being an LA as I very tentatively made out the language to be SS. Then again, it was in best on the TA wires; then again, maybe in this case it was an LA audible due to the good attenuating of the terminated mini-Bev's/TA wires. I accidentally taped over this, so will just have to keep looking. Thanks again! ed)

UNIDENTIFIEDS:

- 919.5 unID, carrier 0243 11/14. (Hall-PIT all)
 1123.5a unID, carrier weak barely audible @0223 11/11.
 865.3 unID, carrier still being heard, 2333 11/14 poor.
 1381 unID, 0237 11/11, poor/fair carrier.
 1475 unID, of last issue could also have been Congo's carrier, I suppose. Is this here?

CREDITS:

- (Trotto-FL) Ron Trotto, St. Cloud, FL
 (Uniden CR2021, Yaesu FRG-7700 Antenna Tuner)
 (Harms-FRG) Bill Harms, Box 961, Bad Aibling Station, APO New York, NY 09098-4812
 (Help w/unID)
 (Hall-PIT) Jim Hall, Editor, 240 Byron Road, Pittsburgh, PA 15237-4015
 (ICOM R71A, TRF, Bev's, Mini-Bev's, LW's, loops, wedge)

1575 THAILAND, VOA Xmtr like a ton of bricks 11/11 in Thai at 1445 w/ discussion of refugee camps in EE at 1500 w/discussion of Thai history and culture. (DL-HI)

THANKS TO THESE REPORTERS:

- DL-HI DOUG LAMERSON-1777 East-West Road-Honolulu, Hawaii 96848
 DXing from Makapu'u Point O'ahu w/car radio and 100' LW.
 NHP-BE NICK HALL-PATCH-1538 Amphion Street-Victoria, B.C. V8R 4Z6
 DXing with Homebrew rx ICF-2010 3'box loop Shortwires, SPR-4.
 ØW-CO JOHN WILKINS-4385 Hoyt Street #205-Wheat Ridge, Co 80033
 DXing with R-1000, R-390A, Box Loop
 PM-OR YER EDITOR
 SP-600, Terminated 200 Foot LW NE/SW.

DX Worldwide - West



PAT MARTIN

P.O. BOX 843

SEASIDE. OR 97138

Time: UTC phone (503) 861-3185 DEADLINES: 12/15, 12/22
12/29.

First off, sorry I missed last week, but no reports. Also I was busy and never got any DXing in, if anything was in. Hi. But I am making up for it this week with reports from Nick Hall-Patch, John Wilkins, Doug Lamerson, and yours truly. So on with reports. Oh yes, I had to move up my vacation a week. So I will be gone from 11/28 to 12/15.

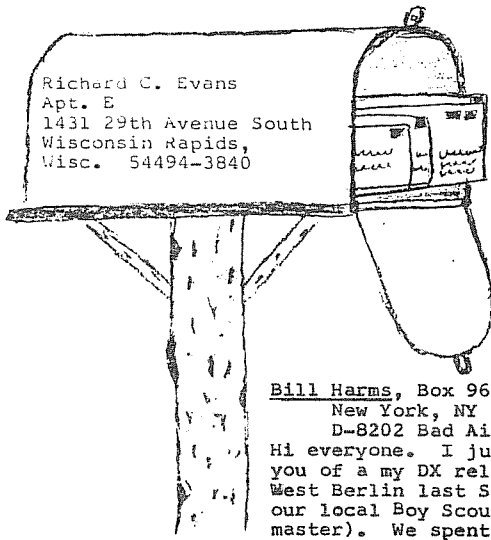
PAN-AMERICAN DX ROUNDUP

XENY

- 760 MEXICO, Nogales; Sonora. Believe this is the call of the strong Mexican here. Definitely from Nogales and heard slogan "Radio Geny" (pronounced Henry) which was the slogan of the Nogales station on 1270. Haven't had time to track it down further, but will keep you posted. (ØW-CO)
- 810 MEXICO, Cd. Obregon, Sonora XERSV 11/2 1256. Choral NA, then YL w/ recorded s/on. 5000 watts, address Ap.75 "Radio Alegria" Fair signal w/QRM nulled. Good skip to XE-Land, hrd the NA of Mexico being played simultaneously on 790, 810, 820, and 830! (ØW-CO)
- 820 MEXICO, Mexicali, BCN-XEYX 10/28 0059. Canned ID "XEYX, La Gigante, 820 KHZ, 3.5 KW de potencia, con oficinas y estudios en Prolongacion Alfaro 253...." VG signal, actually overriding WBAP at times on indoor wire! Piece of cake with the loop. New XE #73 (ØW-CO)
- 830 MEXICO, Culiacan, Sinaloa-XEVO 11/2 1253. S/on routine by man, 5000 watts "La Grande de Sinaloa" Good signal. XE stations noted on every freq. in 790-890 range except for locals 850 and 840. (ØW-CO)
- 890 MEXICO, Fresnillo, Zacatecas-XEYO 11/2 1236. XE mx, pharmacy and restaurant ads, "Radio Fresnillo" slogans Generally poor, even tho not much QRM. New XE #74. (ØW-CO)
- 1130 MEXICO, Nogales, Sonora XEHN-10/28 0255 US Rock song, then right into NA w/no anmt. Fair o/KWKH (ØW-CO)

TRANS-PACIFIC DX ROUNDUP

- 236 U.S.S.R., Magadan-poor with choral mx // 4485 Well u/beacon YZA which was notched out. Hrd 10/11 at 1414 (NHP-BC)
- 540 PEOPLES REPUBLIC OF CHINA, Central Peoples Broadcasting Station heard fair o/u JJ at 1059 on 11/12 with Standard CC talk, 6 Time pips to the hour at 1100, followed by "Zhongyang Renmin Guangbo Diantai" by man. There was the usual pause at 1059.45. Pips started at 1059.54. Not bad in signal considering the overall poor conditions this year. Was quite a surprise. Reported. (PM-OR)
- 549 U.S.S.R.-Vladivostok/Madadan, heard vy well with light Jazz mx, causing a terrible het on 550-KHVI AM 11/12. Man in RR at 1106. (PM-OR)
- 657 D.P.R. KOREA, Kangnam-1410 10/6 Good signal w/man in KK //3320 (NHP-BC)
- 670 HAWAII, HILO-KPUA 10/5 1400 Exc signal way o/KBOI w/ID on hour (NHP-BC)
- 720 U.S.S.R., Yuzhno-Sakhalinsk 10/18 1433 Poor to fair but dominant on channel w/woman singing //5960 (NHP-BC)
- 830 HAWAII, Honolulu-KIKI-10/2 1357 "Stereo 83 KIKI" ID Not hrd this loud for quite sometime, and other low band Hawaiians were hrd tent. (NHP-BC)
- 972 SOUTH KOREA, Tanjin HLC4 10/24 1426 Poor to fair w/woman singing // 6015 (NHP-BC)
- 1134 INDIA, Calcutta quite strong 11/11 1530 w/National news in EE til 1545, then BBC style Headline Recap, a few anmts in Hindi? then back into EE. No strain for 20 minutes or so. (DL-HI) (Hopefully this may make it over here. I sure hope love that one.PM)
- 1251 U.S.S.R., 11/10 1315 in EE w/discussion of condition and outlook for consumer economy (DL-HI)
- 1287 JAPAN, Sapporo, JOHR-11/11 1550 w/Pop mx and chatter, Sounds alot like JOWF-1440. Must be targeting the same demographics. Not much NHK hrd heard lately. (DL-HI)



Richard C. Evans
Apt. B
1431 29th Avenue South
Wisconsin Rapids,
Wisc. 54494-3840

EASTERN DX FORUM

Reports from members living east
of the Mississippi River

Deadlines: Fridays.
This column typed: 11/14/87

Bill Harms, Box 961, Bad Aibling Station, APO
New York, NY 09098, or Fanny-Niggel Strabe 20,
D-8202 Bad Aibling, Federal Rep. of Germany

Hi everyone. I just wanted to check in and tell
you of a my DX related experiences on my trip to
West Berlin last September. I went to Berlin with
our local Boy Scout Troop (I am an assistant scout-
master). We spent one night and two days in Berlin
itself and took the duty train from Frankfurt which
occupied two nights. I did a little bandscanning

on the train and the one night that we were in Berlin. Fortunately our
train was not electrically powered like most trains here in Germany, so
there was a minimum amount of QRM from the train. My receiver was a porta-
ble Sanyo Radio/Cassette Recorder. It had decent sensitivity and had bet-
ter than average selectivity for a portable. I was able to tape some of
the things I heard. I spent most of my time concentrating on the FM band.
I won't tell you all of the details of my FM reception, except to say I
recorded some things that I normally don't hear here in Bavaria. The MW
band really wasn't that much different than here as far as the superpower
stations are concerned. Of course, the lower powered stations were diff-
erent. One item of note, in Berlin or even in Potsdam itself as we were
passing through on the duty train I did not hear Radio DDR-1 on 603 which
is listed for Potsdam in the WRTH. In Berlin itself, we did a lot of
sightseeing. We saw the Wall itself, of course, and visited Checkpoint
Charlie, the place where most of the East-West traffic occurs in Berlin.
We also saw the Postdammer Platz, which is also called "No Man's Land".
On the East Berlin side of the Platz, we could see the bunker where Hitler
and Eva Braun were supposedly found when the Allied troops captured Berlin.
It was a real educational experience to see history right before your eyes.
I hope you didn't mind my divergence from DX here, but I thought you might
be interested. Anyway, we could see a tower on the East Berlin side that
is likely used for TV and FM broadcasts, but I could not locate any anten-
nas on the East Berlin side that looked like they would be used for MW
transmitters. In West Berlin, we saw the headquarters for RIAS ir Radio
in the American Sector, including the building that is pictured on their
QSL card. They had at least four or five other buildings in use. There
was a radio museum nearby which I wanted to go see, but the rest of the
party wasn't interested at all. So I was unable to see it. I did see a
tower that is used for a MW transmitter on the West Berlin side. It was
located near the Olympic Stadium on a pile of rubble. Our guide said the
tower was used by the BBC (which would be the 5 kw transmitter used for
their External Services on 810 kHz). I was unable to confirm whether or
not this was the BBC transmitter. But it was probably because I believe
that was in the British Sector. I didn't see any other radio related
things in Berlin. Oh well. I am probably close to my limit of lines so
I will close for now. 73's de Bill in Bavaria. Aug wiederseh'en.

Dale Park, 2025 Maple Avenue, Apt. B, Evanston, Illinois 60201-3113
phone (312) 864-8359 2100-2300 ELT until Dec. 10. This is my first
Forum since the Anniversary issue, and also my first Eastern Forum. Of
course, living 200 miles from rce, I am required to submit a Forum! My
excuse is that as a new graduate student at Northwestern University I have
been busy with schoolwork, writing at least one paper a week. I also have
three term papers due. Hence, this will be my only submission this quarter.
Anyway, I have done some DXing, and reception here is vastly different from

back home in Hawai'i. For one thing, in Hawai'i, it's possible to hear all of the state's MW stations in the daytime. So far I haven't done that here, with stations going off at various times of the day each month at various powers. For another, the reception of stations before sunset and after sunrise is amazing. I've heard WBZ Boston and CFRB Toronto before 1600 local, and picked up KRMG Tulsa at 0719 CLT. (Fun isn't it!--rce) Back home DX starts after sunset, and one must drive out from Honolulu to do some decent logging. For a third, when I was last in Chicagoland back in 1982, WCZE (ex-WAIT) went off at sunset, while WNDZ and WAIT were merely proposals. (Dale, WAIT-850 is the old WCLR I used to cuss out in the early 70's--rce) I don't have a car here, so yesterday (11/6) I rented one. I drove out to WEEF in Highland Park and the only person there was the board operator! He couldn't give me any station info since the program director/general manager went home. It seems to be an all-ethnic station. WEEF is no longer connected with WVVX-FM though both are in the same building. WVVX, whose sister stations include KEST, KMAX-FM and WYLO, sells all its time as well, resulting in ethnic daytimes and heavy metal at night. (Talk about an odd couple!) Next to the building is what resembles a tall concrete piling serving as an antenna mast. I also went to WSSY, having heard of their change from WEAW. It's in Northbrook in a two-story house surrounded by four towers, next to where Dundee Road crosses over the Edens Expressway. I couldn't meet the GM but from what I gather, "Sunny 13-30" is AC but still runs German and Austrian shows on Saturdays, Polish on Sundays. It also has "Musical" and "National Music Survey". I'm still doing "SportsCentre" and welcome all contributions. Gotta run now. (Dale, welcome to EDXF. Good luck DXing in Chicago. I understand there's a CP for a station on 1200 down there!--rce)

J. D. Stephens, 3605-8 Chasewood, Huntsville, Alabama 35805

I hope that the DX season is going well for all. (I'm not complaining, hi--rce) Here, it's warmed back up (82 degrees) and the DX is down somewhat. But the weather gurus are predicting a cold front later this week, so maybe things will pick up. Several veries lately - KGLD-1380, WEL0-580, CHOK-1070, KSCJ-1360, and KPRC-950. Also a verie from CKFM-FM for a July reception. Did anyone hear the WETB-790 DX Test? (I was at work--rce) I tried, but WMC had the frequency nailed down. So far, 100 new stations have been added to the log this DX season, with a goal of 200 set. That may be low, but extra work and frequent hunting trips will battle for time during the rest of Fall and Winter. So, I'll just have to wait and see how attainable that 200 will be. One comment I would like to make regarding IRCA - I am constantly impressed with how friendly and helpful the members seem to be. One club (whose name shall go unmentioned here) is infected with "elitism" and members whose main purpose seems to be inflating their own egos, yet all the while claiming that they "don't want to alienate anyone" and want to "get more people involved". These qualities, I am happy to say, I have found to be absent from the ranks of IRCA members. My hat is off to you!! Regarding comment made in a recent EDXF, I agree that it would be helpful to have guidelines for reporting to the various roundup columns included in the respective mastheads. Should my reports go to EDXR or CDXR? I assume that these and other guidelines would be found in the new member packets, but, since I have still not received one, I could only go by looking at the areas generally represented in the various roundups. What about it Rick, where do I report? (I would say you should report to CDXR--rce) A fine article on Radio Reloj by Jim Hall a few issues back. It would be great to see more like this on some of the other networks in Cuba. Well, until next time, 73's and mucho Thanksgiving DX tom everyone ----- J.D.

Gary A. Heisey, Box 310F RD 1, Osterburg, Pennsylvania 16667

Jim Hall; regarding your question in EDXF vol. 25 no. 6, I decided not to report to the DXWW-E because my experience with foreign languages is very limited and leaves much to be desired. Whenever I hear what sounds like a Cuban, I simply write SS lang. stn. As you are aware, there are many variations of the Spanish latin language that it's often difficult for me to be sure with some exceptions that what sounds like a Cuban could be somebody else. Also my equipment is limited and I can't pull audio out of the foreign split frequencies. The last time I had Spanish was in 5th grade. I flunked German in grade 12. I might report sometime in the future; thanks for the offer anyway. Speaking of Cubans, I noticed they haven't been pounding away on 590 and 600 for sometime now. I guess the Cubans have tired of paying the electric bill for running all those big transmitters at once. Hi. I haven't heard the Algerian on 891 lately. They were strong during the aurora of last year. Playing Arabic Mx with a high frequency het, when I was trying to hear WLS. I discovered who they were by reading the DXWW-E column. An interesting thing happened a few weeks ago. While monitoring 1550 I heard a sung ID that sounded like a KUAT good and clear. This just appeared from out of nowhere, so while I ran for my tape recorder,

they did the thing DX'ers hate most. They disappeared in the middle of a song without even saying goodbye. Oh well, you can't always tell with those sung ID's. Could have been somebody else. In some of my reports you may have seen the letters (MOYL) which is what I had been using to describe BBD music of Big Band format. Since getting my new NRC Log, I see I was in error, they should have been BBD instead. I'm still learning the terminology. Also, last but not least I want to thank Robert Ritchey and Robert Wien for their help with my unids. 73's.

Rick Evans, 1431-E 29th Avenue South, Wisconsin Rapids, Wisconsin 54494
 Gary, don't feel bad about not knowing the music terminology. I've been in various radio clubs for about 23 years now, and I'm having to get used to a whole new set of music terms. I've been using the NRC list of music terms and finding it handy. Since I haven't listened to "adult contemporary" music for years, terms like AdCon and CHR have had no meaning for me. Oh well. I think you tend to hit the "rock" oriented stations in either larger cities or in an area where there are several stations in competition, such as the Wausau, Wisc. or Eau Claire area where the population is up around 50,000. Have I been busy listening to the Superadio II this week, you ask. The answer is yes, and I've added 29 new hears in the past week to bring me up to 234 heard. Two varies in this week: v/l from KUSA-550 and a v/q from WMT-600. Two new states heard this week with MD and W.Va. added to the log. With work starting at 1830 ELT, I can get in some SSS DX now before I go to work. Problem is that supper comes always just two minutes before an ID should roll in. WPGC-1580 MD. was running music that sounded like it was from a video arcade, then just before 1700 ELT announced "the first of 18 in a row"!; that's during drive-time in Washington, D.C. when they need road reports! Later on, I caught the traffic reports from New York City on, as I recall, WCBS, and it made me a little homesick for the east coast. I have no desire to drive in rush-hour in NYC, however. On that note, work here seems a little more shakey. We thought the management had signed a loan in mid-August to purchase the company (and they started keeping 15% of our pay as they agreed). Turns out the loan papers haven't been signed yet, as of 11/14. With some of the biggest trucking companies in the country about ready to shut down, it's not the most secure industry to work in anymore. While I wait, I'll hit the radio dials and enjoy what must be one of the best areas in the country to DX from. This morning, I had KRNV/CKLQ-880 in at 0945 ELT, completely separable from each other on the loop, and a report taken for both. I also picked off KRNV again on SSS. Gotta run and type reception reports, hi. 73.



Western DX Forum

★★★★

IRCA — The #1 Choice of the Broadcast Band DX'er

Editor: Ric Heald • 8539 Bellamy Way • Sacramento, CA 95828 USA • (916) 386-8677

DEADLINES — WEEKLY ON TUESDAY 11 DAYS PRIOR TO PUBLICATION DATE

□ □ □ □ □ □ □ □
 RANDY TOMER, 50 THISTLE RIDGE, EUREKA, CA 95501

Howdy. Hard to re-introduce with just one forum, so here's my second installment. The age here is 39 and I've been married to Linda (the "Small Wonder," Ric gave her that name) for 12 years. (Hold it, bud, I recall you introducing her over the 2-way as Small Wonder. And then she didn't want to give up the mike to you, hi-Rth.) I work at a local engineering firm as a civil, architectural and structural engineering draftsman. I also have an independent business as an architectural designer (strictly small stuff, hi). (You finally built the greenhouse, hi-Rth.) My ultimate goal is to return to college and then get a professional engineer or architects license, but that would be tough to do now with a family and house to pay for, so it's off in the future.

Well, I still have some radio equipment. The main DX receivers in use here are the venerable Drake SPR-4 and Collins R-390A. I got the SPR-4 back in '79 and wouldn't part with it for anything; I especially like it for tuning in CW and SSB on the ham bands and UTE - it's really excellent there. I got the R-390A from a local ham last winter and it looks practically brand new. The previous owner fitted it with an old Heathkit DX-100 cabinet that he beautifully painted with black laquer, so it's a pretty fancy looking R-390, if you can imagine such a thing. The 390 isn't so hot for CW and SSB reception, the Drake being far superior. However, in AM reception, the 390 really excells - it's by far the best I've ever used for BCX DX and SWL'ing. I love the way it shaves those TP splits from the domestics. I run its audio

from the detector directly to an external audio amp via its "diode load" terminals. Using a Heath AA-18 mono amp and compact bookshelf speaker gives very pleasing audio (thanks to CAT's excellent reprint article for that idea). You can get R-390A's for around \$200 or less these days (I paid \$150 for mine) so they are definitely a receiver worth considering.

Portable receivers currently in use and held in good favor here are the GE Superadio, a hot rodded Realistic TRF, a Sony ICF-6500 and ICF 7600A, and two Sony ICF-55W's (one for upstairs and one for downstairs, hi). I really like Sonys and would like to have one of the modern PLL units, but hate to part with the money. (By the way, I need you to do another "hot rod" job on my TRF-RtH.)

Enough for now. 73 de RET

JOHN C. JOHNSON, 979 NEPTUNE BLVD., BILLINGS, MT 59105-2129

You may recall my comments on a local realtor's use of very low-power AM transmitters to help sell homes. I mentioned they used 1490. No one asked, but yes they did move when KBSO came on the air. They now use 1160, and after hearing only KSL on 1160 I got excited when I first heard "something else," only to be quite disappointed to hear of the two baths, 3 bedrooms. . . I guess I missed out on a verie for 1490.

With three TV's, six AM's, five FM's you may think Billings has enough. Hardin's FM, KBSR moved their antenna onto KOUS-TV's 650-foot tower and now cover Billings, and yet another FM will arrive in December. One wonders if the two extra FM's added to what was here will have an effect on the ad-dol-lar pie. (Of course it will, but newcomers have a hard time going up against the "establishment" for ad revenue-RtH.)

Just one verie in since the last time, KDJJ 1270. 73 de John.

ROB HARRINGTON, P.O. BOX 37512, DENVER, CO 80237-0512

Hellow IRCAnS. This is a joint report from Chris Knight in Pueblo and myse lf here in Denver. Chris got his ham ticket the middle of October with NØ IJK for calls. If you're also a ham, he'll be looking for you Sundays 1915 through 1930 UTC on 21.115 through 21.119 kHz. Chris so far has made contacts with New Zealand, Japan, Brazil, Canada and Mexico so far. (Rob, is he code only or both code and voice-RtH.)

I'm learning code with the computer as my teacher. I have a program that makes my computer send code.

Got layed off from my job at Bell Credit, Inc., on 25 September and the company went out of business November 1st! (I know the feeling well, Rob. Only it was a large travel company-RtH.) Got a new job and started on 09 November with Speedy Messenger Service in Denver, making deliveries.

I plan to take my Novice test for ham radio in late December or early January.

I haven't done any DX lately but just listen. I may get back into active DX'ing in the future, but not now.

Hope to make the pages of WDXF in another month or two. So to all, 73 from Rob and Chris.

RIC HEALD, 8539 BELLAMY WAY, SACRAMENTO, CA 95828 (916) 386-8677 FRI/SAT

Greetings and all that stuff. My error. Yes, I do goof once in a great while, hi. KIOQ 1030 Folsom is NOT back on the air. They were on, but were apparently testing. As of this writing, 17 November, 1030 still remains silent.

Please note the new 1590 in Reno is now KICK. Nope I haven't heard 'em, absolutely nothing behind a nulled KLIV, but listening to 104.5, I heard a clear "AM 1590, KICK." I guess license is Sun Valley. Also heard on their FM, "If you don't have FM in your car, set your button to the station farthest on the right of your dial, KICK AM." Strange I don't hear 'em as their other 5 kw stations like KOLO and KOH are easily heard here. NRC Log lists them as non-directional and if that's true, they should give KLIV a hard time. Kind of hard listening to 1590 with KLIV nulled; KCVR 1570 has an extremely dirty signal and puts garbage on 1590.

I had asked about the GE Superadio II and how it compares with the original one. Frank Merrill wrote saying about the only difference was in the audio and that the sensitivity and selectivity was about the same if not a little better. He also mentioned he'd like the '88 convention in the Monterey area. Aside from lack of airline service, good idea. However, may I offer the state capital, Sacramento? That's providing some of you Bay Area types give me a hand. How 'bout it Kaskey, we haven't done this in 11 years and you're familiar with Sacto hosteldries, hi. And yes, I ran out of film and switched typewriters.

Out of space and time. I mean I gave up Super Password and Scramble for this, hi. Ah yes, daytime TV. (I'm hooked on Santa Barbara, hi.) Anyhoo, best of DX and 73 de RtH. .

THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1630 kHz). "DX Monitor", the official publication of the IRCA, is published 34 times a year, weekly from October to March, twice in September and April, and monthly from May to August. "DX Monitor" contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.



1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

International Radio Club of America
P.O. Box 21074
Seattle WA 98111

FIRST CLASS MAIL
US POSTAGE
PAID
Seattle WA
Permit No. 601

CLUB ADDRESSES AND OFFICERS
President: Karl Zuk, 154 Old Post Road North, Croton, NY 10520-1932.
Secretary-Treasurer: John Clemmer, P.O. Box 482, E. Moline, IL 61244.
Board of Directors: Ernest R. Cooper, Richard Evans, Ric Heald, John C. Johnson, Patrick Martin, Bruce Portzer, Rich Toebe.
Editor-in-Chief: Bruce Portzer, 6546 19th Ave. N.E., Seattle, WA 98115.

MEMBERSHIP DUES

U.S. - \$20.00 per year. Canada/Mexico - \$26 (one issue mailed every week) or \$20 (two issues every two weeks). Overseas Surface - \$21. Overseas Airmail - \$30 (Central America, Caribbean, Colombia and Venezuela), \$33 (Europe, North Africa, Middle East), \$37 (rest of the world). Trial Membership - \$7.50 (10 issues of "DX Monitor" and a New Member Packet, U.S./Canada/Mexico only). Make checks and money orders payable to IRCA and send all dues to: IRCA, P.O. Box 482, E. Moline, IL 61244. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of "DX Monitor" are 30 cents or three International Reply Coupons each and are available from: IRCA, P.O. Box 21074, Seattle, WA 98111.

THE IRCA GOODIE FACTORY

Reprints of more than 400 articles from past issues of "DX Monitor" are available from the IRCA Goodie Factory. Also available is IRCA stationery and the very popular IRCA publications: "IRCA Almanac", "4 DXers Technical Guide", and the "IRCA Foreign Logs". For a complete list of available publications and their costs, send a self-addressed, stamped envelope to: IRCA Goodie Factory, P.O. Box 21074, Seattle, WA 98111.

Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in "DX Monitor" provided credit is given to the IRCA and the original contributor. Opinions expressed in "DX Monitor" are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors or officers.

FIRST CLASS

D. A. NYHOLM
2077 CEDAR STREET
SAN CARLOS CA 94070

19