



# DX NEWS

*the magazine of the  
National Radio Club*

— SINCE 1933 —

VOLUME 44; NO. 12

24 JANUARY 1977

Several items of note here. Response to the resurrection of DXChange has been good. So good that the previously-announced format may have to change. It will at least temporarily. Another edition will appear in either #13 or #14, with all new stuff. Advertisers in last issue's DXChange should drop a card if they want their ads re-run in the subsequent issue.

At this point in view, some of you may be awaiting reprint orders from before the holidays. Reason is that a massive order of reprints had to be zeroxed just after the end of the year. They are now on their way to Chuck H., and should be set for printing these orders very shortly.

Finally, we see requests for a "QSL Blacklist". It has long been NRC policy to avoid such things, and to work in a positive direction, hence the Verie Signers column. These things change very rapidly, along with personnel changes, or with changes in personal workload, and such a listing of non-verifiers would likely be misleading. Further, this is a negative concept, which could further alienate some station personnel who might hear of it. Many stations do re-start to verify, but if DX'ers blacklist them, they will have no influx of reports to encourage them to do so. We do not wish to associate the NRC with negative projects such as this!

## ON THE INSIDE.....

- \* 1977 Reprint List Supplement - HQ
- \* Verie Signers - ERC
- \* FCC Data on Station ID regs. - via BM/E
- \* More goodies from the Publications Center.
- \* 1975-6 & 1974-5 NRC Financial Reports - HQ

## NEW MEMBERS

- \* John C. Marx, Box 971, Madison, WI 53701 (re-joins)
- \* Michael T. Dilullo, 3670 River Rd., Tonawanda, NY 14150
- John P. Ludwig, Rt. 2, Box 79A, Harper's Ferry, WV 25425

## RENEWALS

E. Soule, S. Bohac, H. Ward, G. Jacobs, J. Mockus, J & K Young, R. Ammons, R. Van Wormer, L. Buehler, G. Bertonz, R. Hekett.

## FLASH TIPS & SUCHLIKE

1/10: WBUC-1460 hrd by Hansch, Sundstrom, Arruda. WYNS-1150 hrd by Arruda, tent. by Hansch. WDNB-1450 not hrd by any. WGLB-1560 not hrd by Hansch, 80 mi. away, so likely no on again this time. WERE-1340 hrd by Arruda, tent. w/TT by Hansch, no ID. Hansch reports initial s.on of WWQM-1550-WI (ex-WMAD) on 1/10.

Late TEST info from Great Lakes DXA: WVVX-1430, IL, had TESTS TH AM 1/13 and MM 1/24 0100-0305 ELT. Simulcast on FM 103.1. V/s: Dave Silver, CE, 210 Skokie Valley Rd., 60035.

Again we must remind all that we need MORE ADVANCE NOTICE for TESTS than we have been getting, especially from some of the newly-established clubs.....

**THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB**

### C. P. C. TEST SCHEDULE

WEDNESDAY	JAN.	31	- 0000-0030	* WBBW-1580	* St. John's, HI	3000	U	IRCA
			- 0300-0400	* KAJO-1270	* Grant's Pass, CA	5000	U	IRCA
			- 0300-0430	* KHIL-1250	* Wilcox, AZ	5000	D	WBC
THURSDAY	FEB.	21	- 0200-0300	* WOUZ-1400	* Green Bay, WI	1000/250	U	HNHC
THURSDAY	MAR.	28	- 0200-0400	* KAAA-1230	* Kingsess, AZ	1000/250	U	HNHC
THURSDAY	MAR.	14	- 0630-0655	* WOI - 640	* Ames, IA	5000	L	IRCA
THURSDAY	MAR.	21	- 0200-0300	* WIGW-1490	* Medford, WI	1000/250	U	HNHC

DETAILS:

- WBBW - CT, NoR, V/s: Ed Maske, R N., Box 320, 48879. Arr: John Emilio
- KAJO - No pgn. details. V/s: Herwin G. Pengburn, E, Box 230, 600 Regueta La., 97526. Arr: Jay Florian
- KHIL - 1st 1/2 hr. at Skw, 2nd 1/2 hr. at Skw, 3rd 1/2 hr. at PM 191 w. U & W im., TT, IDe. V/s: John E. Dresser, CF, Box 1177, 85643. Arr: Walt Lank
- WOUZ - TT, Code IDe. V/s: Steve Konoys, CE; Box 36, 54305. Arr: Geo. Davis, III (This say or say not show. Most HNHC TESTS the past few years haven't.)
- KAAA - Full 1 kv on PoP. Merch ex, 7000x code IDe. V/s: Igle C. Henry (NY00), CE; 2534 Margaret Ave., 86401. Arr: R. J. Edmunds.

Late word from the station indicates that WUOI-970 conducted a PoP on Sun. AM 1/16. CE also notes that regular I/c (not on list) is made First Thursday, 0000-0030. V/s: Nick Marasco, CE.

Several stations listed in the Domestic Log as Specified Hours, Shared Time, or Limited Hours have no skeds listed. The list appears below, and if you live near one, please try to get the info to John Callaman, 1122 Maple, Mt. Vernon, IL 62664 for the Updater. The one I can supply is WLIB-1190-NY which operates LSH New York to LSS Fort Wayne.

WHL0-640 - OH	WCAL-770 - MN	WOSU-820 - OH	WNEC-660 - MI
KXL -750 - OH	KES -770 - VA	WNEU-870 - NY	WNSU-1480 - VA
KIWS-750 - NE	WAIT-820 - IL	KIQI-1010 - CA	

Also, if a station you can hear is not listed with a format, please forward the appropriate info to John a.s.a.p.

\* Phone 703-354-2135 Before 2200 EAT \* All Times Are GMT \* Deadlines Are Friday \*

This won't take long . . . . .

- 625 -UNID LA 1/12 at 0940, ID seems to be "R. Parotid", location unknown. (Hutton)
- 650 -VENEZUELA IYH Maracaq, R. Vialon 0859 12/27 w/non-stop IDe and ex. Solid.
- 690 -MEXICO XEN Mexico City, R. Mundo 0033 12/31 w/ex and frequent "Radio Mundo-76" IDe by m. Fair. (Durnavich, last 2)
- 740 -MONTERRAT R. Astillies 1/3 good fr 0925 t/in w/IS, jassy tune, FF s/on 0930 and into vocal ex interspersed w/FF talk. (Forth)
- 940 -VENEZUELA IYHV Punto Fijo, R. Punto Fijo 0700 12/27 right on w/clear-cut IDe and pgn asmt. A "For certain" signal. (Durnavich)
- 1000 -COLOMBIA KJAJ Cartagena, R. Miramar 0731 1/3 w/ex "...for the country, for the world" plus many mentions of Bogota. U/R, Mil. (Durnavich)
- 1030 -COLOMBIA KJER Cali, R. Pacifico 0715-30 12/27 w/no miss ID and ex. Weak but stable w/WBE off. (Durnavich) (Hutton)
- 1367 -UNID Man up well 1/8 0524-0600, seemed to be FF but they shouldn't be on.
- 1448 -ITALY The Synchros were fabulous 1/8 at 0605, lively pop ex and man in II.
- 1493 -IVORY COAST 1/8 fr 0612 on w/repetitive drumming ex and tribal chants, sounds like 1403 ex. Poor sig. (Hutton, last 2)
- 1562 -INTERNATIONAL WATERS R. Caroline or MI Amigo in well 1/8 fr 0700 on w/Euro-rock, EE record ad, sometimes 2 pipe after each record. (Hutton) This is supposed to be MI Amigo all ID here now. (ED) \* 1/7 0620 good w/pop ex, jingles ID talk and ads. (Forth) Note correct ID Karl, R. Veronica is off the air. (ED)
- 1586 -WEST GERMANY WDR 1/7 0640 skint w/MoS and inst ex, GG talk by f, this and hets for other TAs seen to come in much better after 0500 or so. (Forth)

One lone verie . . . . .

- 1376 -FRANCE Lille "TDF" card and sticker in 1 month fr BF 9316, Paris. (Forth)

The reporters for this issue . . . . .

- Carl DURNAVICH - Stone Park, Illinois Car radio and whip in hose
- Earl FORTH - Villa Park, Illinois HQ-160, SM-1
- Chuck HUTTON - Decatur, Georgia H358, Sanserino loop

That's it. No typing or eye strain this week, hi. Gx are lousy - I figured it would happen now that I have a chance to do some DXing. Chuck says ex were super on 1/8, best night of the year for him so far. Last night, 1/14 things were vey auroral w/ LAs everywhere - somehow the thrill has gone out of logging another HJ, YV, HI, etc., hi. Maybe things will break loose soon. ?) - DX - Report if you're hearing anything.



## WORD INTERFERENCE

by Frank Bailey

Unscramble the words below to get the key letters needed to solve the mystery word.

QVNE

RPTNKHKHC

YHDAHE

ALVFO

VIAHT

CLUE

It often comes from here.

ANSWER:

From the

\_\_\_\_\_

\_\_\_\_\_

ANSWERS APPEAR ELSEWHERE IN THIS ISSUE

# DOMESTIC X IGEST

Editor: Eric Rittenhouse  
2315 Dwight Way  
Barrington #101  
Berkeley, CA 94704

Howdy, Gang,

Things have pretty well settled down this week after the first couple of hectic columns. In the first two weeks, a lot of very old stuff was printed, because of the holiday break, and the hassles involved with the editorial switch, but all of the stuff on hand this week is pretty current, so, on to the DX...

### 1st Mon

1450	WATZ	MI	ALPENA, per list, 800 Hz TT. (JF-ON)
740	WKIS	FL	ORLANDO, 0316-0330. OC, IDs, piano mx. (CD)
1570	WSVW	VA	PENNINGTON GAP, 0330-0343, TT, ID end. (CD)
2nd Sat	1240	WSFC	KY SOMERSET, 0400-0415. (JF-ON)
	1550	WGRK	NY GREENSBURG, per list, 400 Hz TT. (JF-ON)
3rd Mon	1450	WHSC	SD HARTSVILLE, 0145-0200, 1k TT. (JF-ON)
3rd Wed	1550	WEXT	CT WEST HARTFORD, per list, OC, not TT. (JF)
3rd Sat	1280	KCNI	NE BROKEN BOW, per list, 1k TT. (JF)

### TESTS:

740	WGSM	NY	HUNTINGTON, hrd by Falconer.
860	KWHO	UT	SALT LAKE CITY, not hrd by Forth, Hansch, Durnavh.
940	WECO	IN	WARTBURG, hrd by Falconer.
1090	KNWS	IA	WATERLOO, not hrd by Falconer.
1150	WYNS	PA	LEHIGHTON, hrd by Starr, Arruda, Forth.
1340	WDCR	NH	HANOVER, hrd by Falconer.
1340	WBRE	PA	WILKES-BARRE, hrd by Arruda, not hrd by KDF, JS.
1450	KOKO	MO	WARRENSBURG, hrd by Falconer.
1450	WDNG	AL	ANNISTON, hrd by Starr, not hrd by Forth, Arruda.
1460	WBUC	WV	BUCKHANNON, hrd by RA, KDF, MD, RH.
1430	WVVX	IL	DEERFIELD, not hrd by JS, he thinks not on.
1550	KOQT	WA	BELLINGHAM, not hrd by Durnavich, Forth, Falconer.

### sunset & evening

660	WESC	SC	GREENVILLE, 12/18 wk w/WNBC/TVI, C&W to s/off, no SSB 1710-1715. (JF-ON)
730	WMOA	MN	WORTHINGTON, 1/8 1814 fr/gd w/s/off, then wx. (KDF)
910	KLCN	AR	BLITHEVILLE, 12/20 wk in mess w/contest offer 1715.
940	WCPC	MS	HOUSTON, 12/20 strong in CBM null w/wx 1725. (JF)
1020	WCIL	IL	CARBONDALE, 1/8 1800 fair thru WCFL w/s/off, FM 101.5. (KDF-IL)
1050	WNES	KY	CENTRAL CITY, 1/8 wk w/s/off 1801. no SSB. (KDF-IL)
	KIXS	TX	KILLEEN, 12/31 s/off 1900, "Kicks" ID. (CD-IL)(CD)
1140	CJTR	PA	TROIS RIVIERES, 12/25 w/Xmas mx in FF w/WRVA, het.
1150	WBAG	NC	BURLINGTON, 1/5 surprise at s/off w/annct, FM promo, SSB 1727. (RJE-NJ)
	UNID	??	Lengthy choral hymn as intro to canned rlg's pgm 1730 w/freq ments of "The Tabernacle" 1/5. (RJE-NJ)
1420	WLET	GA	TOCCOA, 12/31 1728 fair w/s/off. (KDF-IL) (JF)
1430	WMNC	NC	MORGANTON, 12/20 w/ID in rr, lost to CFKH/WIRE 1720.
1470	WHUT	IN	ANDERSON, 1/2 1746 u/WMBD w/s/off, WHUT jingle. (KDF)

1540	WPME	PA	PUNXSUTAWNEY, 1/4 s/off fr o/WPTR w/ment of FM 105.5, no SSB 1730. (JF-ON)
1550	KEDD	KS	DODGE CITY, 12/23 s/off 1830 in mud. (CD-IL)
1560	KAJN	LA	CROWLEY, 12/30 1823 w/local spot in WDXR fades. (CD)
1570	KMAR	LA	WINNSBORO, 12/30 1745 w/local spot in WHII mud. (CD)
	KLLA	LA	LEESVILLE, 12/30 1805 w/local spot. (CD)
	WHII	MS	BAY SPRINGS, 12/30 1744 local nx just o/KMAR. (CD)
1580	WBBR	SC	TRAVELERS REST, 1/5 Atop @ s/off 1742. (RJE-NJ)
1590	KSPR	AR	SPRINGDALE, 1/8 1829 u/WWUN w/s/off, FM 104.9. SSB. (KDF)

### midnight to sunrise

600	WVAR	WV	RICHWOOD, 1/1 0641 "WVAR--R. Richwood" ID, C&W in WREC slop. (CD-IL)
620	WJDX	MS	JACKSON, 1/1 0422 w/frequent "Most mx--JDX" IDs by DJ in WSUN QRM. (CD-IL)
740	WBOO	WI	BARABOO, 12/29 0830 wk s/on thru WBBM/WAIT spur. (KDF)
790	WFUN	FL	SOUTH MIAMI, 1/10 alone w/EL mx, ID 0216. (MD-MA)
850	WHDH	MA	BOSTON, 12/27 0220 ID only on apparent ET, strong OC.
	CKVL	PQ	VERDUN, 12/27 0410 w/trad FF mx on accordion, (KDF) then FF talk by male w/much QRM. (CD-IL)
910	WGAF	GA	VALDOSTA, 12/27 0200 good w/ID, rr, NBC nx. (KDF)
	KIKM	TX	SHERMAN, 1/2 0258 good o/WLCS w/rr. (KDF-IL)
930	WPAT	NJ	PATERSON, 12/20 Finally o/WBEN w/Xmas mx, "WPAT your mx stn" 0200, back to mx. (JF-ON)
940	WCPC	MS	HOUSTON, 1/4 loud w/ET/TT 0300-0320+, ID 0307. (JS)
	KFRE	CA	FRESNO, 1/10 amazing s-9, solid 0140-0200+. (JS)
	CJGX	OK	YORKTON, 1/1 0311 w/"CJGX R. 940", rr, LA QRM. (CD)
1060	WRMF	FL	TITUSVILLE, 1/3 0350 poor, then 0406 exc on rr ET.
1070	WFLI	TN	LOOKOUT MTN, 1/3 on ET w/C&W, ID 0135. (JF-ON) (KDF)
1080	WMVR	OH	SIDNEY, 1/10 ID into Mutual nx 0630, then long list of school closings due to storm, then MoR. (JS)
1110	WTIS	FL	TAMPA, 12/28 0715 wk u/WFAB etc w/a/on. (KDF)
1190	CHTN	PA	CHARLOTTETOWN, 12/20 Globbering freq w/MoR, wx 0254.
1220	WLSD	VA	BIG STONE GAP, 1/10 o/looped WGAR w/C&W 0620-0630+. (JS)
1230	WCOL	OH	COLUMBUS, 12/20 atop w/rr, contest promo 0137. (JF)
1240	WWCO	CT	WATERBURY, 12/27 ET w/ Four Seasons mx, IDs 0200.
	WBBW	OH	YOUNGSTOWN, 1/10 AN for snow emergency. (JS) (JF)
1250	CHWO	OH	OAKVILLE, 12/20 alone w/disco, rr, SIDs, WTAE at times on ET 0225. (JF-ON) (CD)
1310	CHGB	PQ	LA ROCHELLE, 12/27 0540 w/Teletalk in WOOD/WBFD TT.
1320	WILS	MI	LANSING, 1/3 ET/rr. IDs asking for reports 0154. (JF)
1340	WLAV	MI	GRAND RAPIDS, 12/20 strong w/WDCR test, s/off 0000 to return 0500. (JF-ON)
	WMID	NJ	ATLANTIC CITY, 12/20 w/WDCR, rr, SIDs, etc 0020. (JF)
1360	WMFC	AL	MONROEVILLE, 1/5 FC/DT 0230-0244 per new list. (JS)
	KSCJ	IA	SIOUX CITY, 12/27 0104 w/ET/TT & ID. (KDF-IL)
1400	CJFP	PQ	RIVIERE-DU-LOUP, 12/25 atop AN w/folk mx 0230. (JF)
	WBAT	IN	MARION, 1/10 ID into CBS nx 0500, sked change? (JS)
1460	WBNS	OH	COLUMBUS, 12/20 strong s/on after ET 0237. Is this reg MM SP? Also on ET 0100 1/3. (JF-ON)
	WOCH	IN	NORTH VERNON, 1/10 s/on atop 0601, no SSB noted. (JS)
	WBRN	MI	BIG RAPIDS, 1/10 s/on ISSB 0602 killing WOCH. (JS)
1470	WPAR	PA	FARRELL, 1/10, 11 noted OFF at midnight both AMs, apparently no longer NSP. 1/10 s/on 0615, strange.
	WMBD	IL	PEORIA, 1/10 0600 s/on, used to be NSP. (JS) (JS)
1480	WLSE	VA	RICHMOND, fair w/rr o/unid SS (WHOM?) 0208 1/10. (MD)
1490	WOLF	NY	SYRACUSE, 12/27 up w/ID 0400. (JF-ON)
	WXIT	WV	CHARLESTON, 12/27 strong w/"WXIT-15" IDs, rr 0403. (MD)

1550 WEVR WI RIVER FALLS, 1/3 St Paul stockyard report-must s/on 0700. (Ross-WI)  
 WWQM WI MADISON, 1/10 w/initial s/on (ex WMAD), vintage rr, Jan 7:00-5:45, slogan "15-Q" (How original, hi. ECR).  
 WOKJ MS JACKSON, 1/10 AN w/All Night Gospel. (JS) (Ross)  
 1560 KFMC CA BAKERSFIELD, 1/10 s/off, SSB leaving clear freq. (Ross)  
 KKAA SD ABERDEEN, 1/1 0533 w/Gene ? Show. 229-1560 given as request line for C&W. Wk w/flutter. (CD-IL)  
 1580 KIGU LA LAKE CHARLES, 1/10 in RS w/rr. Usually off 0300, ain't it? (JS-OH) (JF)  
 CBJ PQ CHICOUTIMI, 12/25 AN w/folk mx. FF strong 0300 w/ID.  
 1590 WQRT? NY SPRING VALLEY, 1/10 alone w/soul to 0300 s/off. "Studio & XR located at Spring Valley, NY." Wx for Rockland Cty. Westchester Cty. Not in Log, or Updaters. New stn? (MD-MA) Assume a new stn. WQRT is (was?) an Indiana PWR. (ECR)  
 WEHD NY ELMIRA MTS, 12/27 0559 s/on. SSB weak. (CD-IL)  
 1600 WARU IN PERU, 1/10 loud w/s/on annot 0557, ISSB. (JS-OH)

Thassit... Kinda slim this week; from the looks of things, everything west of Wisconsin or so has dropped off the fac of the earth! Where are you Western NRers?? I want to see at least five western reports next time, or else, hi.

Then who made this mess:

RA	RAY ARRUDA	New Bedford, MA	SX-122, SM-1
MD	MARC DELORENZO	Centerville, MA	HQ-100, SM-2
CD	CARL DURNAVICH	Stone Park, IL	Car rx, whip
RJE	RUSS EDMUNDS	Kinnelon, NJ	HQ-150, 4' loop
JF	JEFF FALCONER	Clinton, OH	TRF, SM-2, LW
KDP	KARL FORTH	Villa Park, IL	HQ-160, SM-1
Ross	ROSS HANSCH	Madison, WI	HQ-180AX, NRC 1p
JS	JERRY STARR	Hubbard, OH	HQ-180, etc

.....Bye.....ECR.....

Re the above 1990 logging, there was a CP, since deleted, for Port Chester, which was to have been WJZ. No sign of it here by day, and it's local. My guess is a night-time only p rate. -RJE

Financial Data for NRC Operations 1974-76.

At long last, we can present these figures. A bit of explanation must go beforehand, however. In almost any legitimate non-profit organization, there is a deficit between assets and liabilities at most times. This is because of the fact that, for accounting purposes, liabilities must include an entry entitled "unfulfilled dues". This assumes, as it must in accounting, that if the organization were to be liquidated on the date of the fiscal statement, those dues would be payable. In reality, most organizations would not (nor be able to) make such a restitution, and certainly not in cash. Another factor which enters in is that for accounting purposes, inventory must be calculated at cost, and not at fair market value. Thus, the markup we build into our publications prices in order to subsidize normal club operations is not included. Even if it were, however, it would not make up for the former "paper liability". Thus, the NRC is in no way different financial condition than it has been over the past 3 years. The liquidity position (assets on hand) will vary from time to time between inventory and cash, and also in total amount, due to variances in sales, publishing needs, delivery of purchased items, etc.

Fiscal Year 10/1/74 through 9/30/75:

INCOME:		EXPENSES:	
Dues	9661.00	Bulletin Printing	5790.26
Donations (1)	246.15	Bulletin Postage	3393.47
Samples	55.60	Printing - Samples (2)	248.25
Misc.	217.23	" - Admin.	46.50
		Postage - Samples	91.20
Subtotal - Operations	10179.98	" - Admin. (2)	309.37
Sales: PB	866.30	Sales Tax (3)	458.58
DL	2367.30	Telephone (5)	278.89
AB	610.70	Travel (4) (5)	152.76
RS	490.00	Supplies (5)	429.62
Rpta.	1918.27	Misc.	134.74
RM/ann.	242.00		
* n/ann	48.25	Subtotal - Opns.	11340.61
Sales Acct. rec. (1973)	127.00	Sales: Prtg. - DL	2150.00
		" - Rpt.,	839.84
Subtotal - Sales	6669.22	" - RB	452.50
TOTAL	16849.80	" - NRC	392.00
		Sales - Postage	1235.58
		Inf. Purch. (6)	181.48
		Subtotal - Sales	5261.40
NET INCOME:	247.79	TOTAL	16602.01

ASSETS:	Inventory:	1549.21	LIABILITIES:	
	Cash:	310.06	Deferred Dues:	4830.53
		1899.27		
			NET WORTH: (2971.26)	

NOTES: (1) Includes Auction Proceeds  
 (2) Includes Information Packets  
 (3) Tax Paid on Materials for Sale Included in Printing Price  
 (4) Paid @ .10/ml. for travel to/from printer, labeller & transferring inventories.

FCC RULES AND REGULATIONS

- (5) Composite Figures - Impossible to separate sales from operations
- (6) FCC Data on Patterns & Station Info; Values of exchange bulletins.

FISCAL YEAR 10/1/75 through 9/30/76:

INCOME: (7)	
Dues	9713.50
Samples	89.70
Misc.	72.93
<hr/>	
Subtotal - Operations	\$881.13
Sales:	
TL	1140.75
PH	1702.50
AD	198.50
HR	198.25
Rpts.	722.51
NHE/mem.	127.00
NHE/n-con.	21.25
<hr/>	
Subtotal - Sales	4090.76
TOTAL	13971.89

EXPENSES:	
Bulletin Printing	6502.00
Bulletin Postage	3653.66
Printing - Samples (2)	183.95
- Admin. (8)	191.20
Postage - Samples	86.22
- Admin. (2)	314.93
Sales Tax	(3) 436.03
Telephone	(5) 213.24
Travel (4) (5)	183.20
Supplies	(5) 433.55
Misc.	189.70
Accountant	(9) 250.00
Advance to Conv. Committee	(10) 100.00
<hr/>	
Subtotal - Op'ns.	12737.68
Sales: Prtg. - PB 1500.00	
- DL (11)	500.00
- Rpts.	399.04
Postage-Sales	578.43
Inf. Purch.	(6) 136.17
<hr/>	
Subtotal - Sales	3113.64
TOTAL	15851.32

NET INCOME: (1879.43) (11) (7)

ASSETS: Inventory:	2869.58
Cash :	574.75
	<hr/>
	3444.33

LIABILITIES: Deferred Dues:	4859.25
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NET WORTH : (1414.92)

NOTES: (for repeated notes, see previous listing)

- (7) Auction proceeds not received until FY 1977; also Conv. Advance.
- (8) Includes setup of forms, etc. for Publications, Membership Ctrs.
- (9) Covers FY 1975 & 1976
- (10) Convention Advance Received FY 1977
- (11) Payment made for Logs (partial) received, but not sold as of 9/30.

INCREASE TO INVENTORY, 1975 - 1976	: 1585.06
ADJUSTED NET OPERATING INCOME:	(294.37)
ACCOUNTS RECEIVABLE, NOTES 7, 10	: 423.36
FINAL ADJUSTED NET OPERATING INCOME:	128.99
FINAL ADJUSTED NET WORTH :	(991.56)

It may be seen from the above that due to the increased inventory, not only is our net worth increased, but the difference between inventory cost and inventory market value will bring us closer to a balance more favorable to the club. This yields the most favorable overall ratio of assets to liabilities in recent club history.

Respectfully submitted:

*MERR*  
 R. J. Edmunds, Pub-Comm. Coord.  
 1-18-77

### Station Identification Announcements

By Frederick W. Ford and Lee G. Lovett:  
Pittman, Lovett, Ford and Hennessey, Washington, D.C

The Rules governing broadcast station identification announcements have been amended twice within the last year. The amendments have eased, to a limited extent, the Commission's strict rules concerning the content and timing of station ID's.

#### General rule

Broadcast stations must make station identification announcements (1) at the start and finish of each broadcast day and (2) hourly during the broadcast day (as close to the hour as a "natural break" in programming permits). The announcement must contain the station's call letters and the name of city to which the station is licensed (e.g., the city specified in the license issued by the Commission). The station identification announcement need not name the state in which the city of license is located.

*Permissible ID:* "WZZZ, New York" (assuming that New York is the city of license)

The Commission has maintained a longstanding rule against insertion of a variety of extraneous words between the call letters and the city of license in the ID announcement. The rationale is, of course, that insertion of promotional material in a station ID announcement would lead to listener confusion as to the identity of the broadcast station and its official location.

*Impermissible ID:* "WZZZ, the sound of New York"

#### Exceptions to the general rule

1. **Licensee's Name:** The Commission amended its station identification rule<sup>1</sup>, effective March 18, 1976, to permit inclusion of the licensee's name between the broadcast station's call letters and the city of license.  
*Permissible ID:* "WZZZ, Ajax Communications, New York"

The Commission views this exception fairly strictly; insertion of extraneous words, in addition to the licensee's name, is not permissible.  
*Impermissible ID:* "WZZZ, the sound of Ajax Communications, New York"

2. **Station Frequency Or Channel Number:** The Commission recently made another exception to its station identification rule. Licensees are now permitted to insert the station frequency or channel number in ID announcements.  
*Permissible ID:* "WZZZ, Ajax Communications, 770 On Your AM Dial, New York"

As in the past, the Commission sticks with its prescription against insertion of extraneous matter between

the licensee's call letters and the city of license.  
*Impermissible ID:* "WZZZ, Ajax Communications, 770 On Your Swinging Dial, Fun City, New York"

3. **True Coverage Area:** A station that is licensed to a suburban community which provides primary coverage to all, or substantially all, of an adjacent metropolitan area is not required to omit all reference to the metropolitan area. The Commission simply requires that the licensee's ID announcements not mislead the listening audience as to the station's true city of license. Licensees should be extremely careful that data exists which supports the station's coverage claims.

*Permissible ID:* "This Is WZZZ, Bronxville<sup>2</sup>, serving the Greater New York City Area." (assuming that Bronxville is the city of license)

*Permissible ID:* "Station WZZZ, Bronxville, serving the New York Metropolitan Area"

A station is free to identify "promotionally" with a city that it serves that is not the city of license. This may be done by means of announcements other than the required station ID's. Again, the Commission requires that the listening audience not be misled as to the true city of license.

*Permissible Announcement:* "WZZZ, Bronxville, increased its cume (different listeners weekly) from 418,000 to 540,000 since last May in the New York, N.Y. ADI" (assumes that this announcement was made at a time other than when the required station ID is normally broadcast)

#### Dual city identification announcements

In certain situations, the Commission has licensed a radio station to two separate cities (generally "twin" cities). In such situations, the station ID announcement must include the name of both cities in the order that the names are listed on the FCC license.

*Permissible ID:* "KZZZ, Jones Communications, Dallas-Fort Worth" (assumes that cities are listed in this order on Commission license)

*Impermissible ID:* "KZZZ, Jones Communications, Fort Worth Dallas" (assumes that Commission specified city of license as "Dallas-Fort Worth")

In particular limited circumstances, the Commission will consider whether or not the public interest will be served by granting a suburban broadcast station a dual city designation. The station then includes the name of the adjacent central city in its on-air station ID announcements.

The Commission will look to competitive and economic reasons which would justify a dual city designation. For instance, if a small, troubled suburban radio station competes against numerous large, economically

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<sup>1</sup>Section 73.1201(d) of the Commission's Rules.  
<sup>2</sup>For those readers not familiar with New York City, Bronxville is located in lower Westchester County and is physically adjacent to New York City limits.

## FCC RULES & REGS

powerful radio stations licensed to the adjacent central city, the Commission might grant a dual city designation to the suburban station in order to improve its competitive position, vis-a-vis the larger central city stations. Station identification announcements with a dual city designation might apprise potential advertisers of the fact that the suburban station serves the entire central city area. Additional advertising revenues may flow in, enabling the suburban station to improve service to its own suburban community.

Dual city designation, in a situation the reverse of that described above, will not be permitted by the Commission. For instance, a powerful broadcast station in a large central city may place a principal community contour over an adjacent suburban community in which operates a less powerful broadcast station. The Commission will *not* grant dual city designation because the central city station's very size, and, probable financial muscle, would adversely affect the economic ability of the suburban station (e.g., local advertisers in the suburban community that normally utilize the suburban station, might decide to switch advertising to the larger central city station to attract customers from the city and other communities served by the central city station).

Small suburban community stations that have not received Commission permission to utilize dual city designation must avoid misleading their listeners into believing that they are licensed to the central city.

**Impermissible ID:** "This is WZZZ, covering the greater New York City area." (assuming that WZZZ is licensed to Bronxville)

A suburban station is prohibited from misleading listeners into believing that the station is licensed to an adjacent central city *at any time*, not just at times that station ID announcements are required by the Commission's Rules. The following hypothetical announcement is impermissible, not because of extraneous verbiage inserted after the call letters (which is proscribed only in required station ID's), but because the announcement misleads the listening public into believing that New York City is the city of license.

**Impermissible ID:** "This is WZZZ, a symphony of sound designed for New York City." (assumes that WZZZ is licensed to Bronxville)

### Commission sanctions

The Commission requires strict compliance with its Rules and policy statements concerning station identification announcements. Violation of the Rules may result in designation of a broadcast renewal application for hearing or, in some cases, monetary forfeiture<sup>3</sup>.

### Conclusions

Communications counsel should be consulted if a broadcast station utilizes a station ID which includes information in addition to the station's call letters and city of license. Similarly, if promotional announcements are utilized to advise potential advertisers that a station maintains a significant listening audience outside of its city of license, special care should be taken to assure that listeners, themselves, are not misled as to the station's true city of license.

**Publisher's Note:** With the many recent changes in IP regulations, and many questions appearing here in DX NEWS, the adjacent article from Broadcast Management & Engineering is being run here. The material contained is information of law, and therefore in the public domain. It should clear up many of the unanswered questions from DX'ers about IPs. It does not, however, deal with the subject of IPs for the experimental period, i.e. during tests. It should be noted that the general rule quoted at the outset does indeed apply to the experimental period, although many station managers and engineers are apparently either unaware of the rule, or don't believe that it is enforced, which, perhaps, it isn't. Perhaps one of our resident AM engineers should write a letter to BME making note to make that point.....



IN THE EARLY DAYS of radio broadcasting, when the listening audience was comprised of amateur operators, experimenters, engineers and the like, a new hobby had its beginning. DX. In the parlance of telegraphers, DX meant "distance" and then its meaning became "distant reception" or "distant transmission".

The early listener had usually constructed his own receiver and his big thrill came not alone from the news bulletins he heard, or the beautiful music, but the realization that his assortment of glass and wires, with an antenna affixed to his bed springs, was really bringing in voices and music from Pittsburgh, Chicago, Los Angeles!!!

It was a natural development of the hobby to tune up and down the dial logging the many stations that were heard. All of these stations were anxious to hear from their listeners and repeatedly asked for cards and letters. In return many of them would send a card or letter thanking the listener for writing and also confirming his report. Many listeners began to collect cards and letters of verification.

Thus it was that the DX hobby came into being.

Numerous clubs were formed in those early days of radio, for the sole purpose of exchanging information about various kinds of equipment, antenna arrangements, tuning tips that advised DX fans where and when to tune for distant stations, etc.

The National Radio Club was one of these pioneer groups. NRC had its beginning in York, Pennsylvania in 1933.

A group of fans in the York area organized to exchange tuning tips and began to publish a mimeographed bulletin "DX News." Membership soon included DX fans in all parts of the USA and Canada and in the following years was to include members in all parts of the world.

And now, many years after the era when the listener assembled his own receiver on a bread board and an oatmeal box, the National Radio Club continues to serve many DX fans who thrill to the faint sounds of distant stations. Members today include some who were pioneers in the listening audience, and yet others who are high school kids, discovering the magic of radio and the thrill of long distance communications.

Most radio stations welcome mail from their distant listeners, and most stations answer requests for confirmation of reception. However, there are many people in the broadcasting industry today who are unaware of the significance of a DX report, with the result that some reports are not answered. If your station is in the habit of ignoring such reports of reception, we would remind you of the importance with which DX fans consider your answer.

National Radio Club members are advised to send positive proof of reception and all details of their equipment along with return postage, when requesting a letter of verification.



NATIONAL RADIO CLUB

Publishers of "DX NEWS"

A bulletin for Broadcast Band DX fans

box 127

Boonton, NJ  
07005

The above two-sided flyer is a re-make of one prevalent in the NRC in the early 1960's and before. Many members enclosed such a flyer in each reception report they sent out, and in each CPC request. We now have a limited supply of these flyers available for a trial to see how popular they are. The cost is \$1.00 per 50 flyers, including postage for shipping. Order from the NRC PUBLICATIONS CTR., P.O. BOX 401, GALE'S FERRY, CT 06335.

<sup>3</sup>Lakewood Broadcasting Service, Inc., 26 RR 2d 685 (1973).

## musings of the members

editor: Ernest R. Cooper  
5 Anthony St.  
Provincetown, MA. 02857

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, the publishers, or the National Radio Club.

ERIC FADER - 23-35 Bell Boulevard - Bayside, NY - 11360

Hi all. First some daytime DX with newly-acquired TRF, then some news tidbits of general non-interest. About the TRF; for the price (\$30), it's some RX! It's extremely selective, and sensitivity excellent too. 1/4- I did a dandscan 12:15pm & up. Notable was WPRO-630, w/a great signal o/weakie WEJL. WGHQ-920, never heard before from home due to WPAT's sloppy signal & WCBS carrier spurs on 915a. They mentioned nearby Highland in a spot. Then, the real surprise - newie WSUB-980, as I looked for WILK (regular on the south side of my house, missing on the north). "NX is next from the home of Happy Day Radio in SE-ern CT, WSUB-AM & FM.", weak but clear. They had played light mx before that, excellent signal for 1kw at 100 miles. Little WWDJ slop & no WCBS-981 or 978 spurs thanks to TRF spur-proofers. WBNR-1260, umm, assumed the one u/WMMM. Oh yeah, WSUB heard @ 1pm. That catch leaves WILLI-1400 my only unheard CT station. I need seven from NJ. Now for the news. First, the #1 out-of-state rocker in Bayside has quick-changed. Local FM WINE-95.1 CT has split from their AM (940) & is now "small market progressive" rock. The AM remains open-listed T-40. That is, personality-oriented w/time-temperature approach, but not THAT tightly programmed. Local WNWS-97.1 is now calling itself "Y-97" w/a big ad campaign on WNBC-TV, pending change to WJNY. Their slogan is "Movin' Easy mx", or progressive EZ. I don't suppose WCBS-880 & WINS-1010 are unhappy about the NNIS demise. 1/6- Pirate! On 1620 or so, heard first 4:55, gone by 5:30. Sounded like 80,000w! They played disco mx, lotsa Diana Ross LP stuff, dead air twixt selections no announcements of any kind. I called up a friend two blocks away; he had it just as strong. Must be within a few miles & muchos watts - they pinned the meter, no fading. Overall sound was terrific, a big operation. I will keep listening for it. Thatzall, 73.

LEXINGTON E. SMITH - 55 East End Avenue - Apt. 4G - New York, NY - 10028

Greetings to all for a good year ahead. Since I wrote last, I've picked up a TRF. In two months, it's inhaled 150 stations in 25 states for me, no mean feat considering the chilly reception DX signals get trying to deposit themselves into my STEEL & CONCRETE vault that's passing as a listening post/apartment. I'm very impressed with the little beast, the gain being extraordinary. Of course, the calibration is completely off & requires I make a set of notes to ID the frequencies on the dial. Anyone know how to recalibrate a TRF? In the two months I've been bending my ear to the little portable, some of my best catches are: KXEL-1540 Ia; WGEE-1360, Green Bay; WJBO-1150 Baton Rouge; WLOF-950 Orlando; PUB-800 Bonaire; WFNC-940 Fayetteville, NC. Despite the Big Apple's locals with their mid-drift bulge across the band & the incessant fluorescent, I'm still able to hear some good stuff on the TRF, especially if I keep it close to the window, a rather chilling proposition these days. I hear a fair amount of SS, but no IDs yet. And the FF on 1205 de Bordeaux sans doubt, but no ID yet either. One of these days. Auvour mes amis.

WARREN E. GREENBERG - 145 Cottage Road - West Roxbury, MA - 02132

I just returned from St. Pete Beach FL from a vacation, & had 16 reports sent. I heard ten states, & one EE country (TWR, Bonaire, Neth. Antilles). Other stations heard are WHAS Louisville, WVL New Orleans, WBAP Ft. Worth, WLS Chicago, WQAI San Antonio, WCKY Cincinnati, WLAC Nashville, WKSY Sarasota, WOWO Ft. Wayne, WHO Des Moines, KAAY Little Rock, WGBS Miami, WROE New Orleans & WDOO Chattanooga. I would have heard more but didn't have the time I wanted for DX. Country total would have been higher is I understood SS, many SSES heard. Verie, CBZ,NB.

MARK CONNELLY - 52 Amsden Street - Arlington, MA - 02174

(DXing in the Computer Age, con'd). We all have our visions of the ultimate DXing set-up. For the research of TA DX reception, the following system would really advance the state of the art. Several satellite-linked automated monitoring stations (with receivers having specifications comparable to those of the R-390A or the HRO-500) would be remotely operated from a computerized control centre in which one could actually hear signals as received as any monitoring site, or have the computer simultaneously receive a desired station from all sites and store via tape the received audio and other pertinent data (such as instantaneous signal strengths). The monitoring sites would be characterized by a salt-water path in the direction of interest, some land blockage to other areas, and an absence of local interference sources. Typical sites are as follows: The Americas (each site would have several pairs of auto-tuned LW & MW Beverages optimised for Europe/Africa; termination with ground mesh in salt water) - Cape Race, Nfld.; Tonset Point, Orleans, MA; Cape Hatteras, NC; Barbados; Natal, Brazil; & Falkland Islands; Europe/Africa (beverages directed towards NA & SA) - Dingle Peninsula, Ireland; Azores; Cape Verde Islands, & St. Helena Island. The above stations will also have omnidirectional tuned verticals & log-periodic SW antennae. DX in a target area would be monitored at the closest site & compared to the reception on the opposite side of the Atlantic; fewer UNID stations would be the result. Comparison of receptions as a function of time, frequency, distance, solar flux data, & the proximity of signal path to the auroral ovals could be undertaken on such a massive scale that the mechanisms of propagation would be brought into much clearer focus. Other systems could cover the Pacific & Indian Ocean sectors as well as the polar regions. The idea of sitting back and hearing signals from the different monitoring sites just as if you were there has tremendous appeal. I suspect the FCC & the various international broadcasting organisations will be monitoring in this fashion some day.

STAN MORSS - Route 3 - Bradford, MA - 01830

12/25- No new Christmas Canadians, but I did note CHR-1290 CJVL-1360 & CKBM-1490 all on past 2 amongst others. No sign of other two that were on 1490 last year (CKMV & UNID). PM, WHPN-950 Hyde Park NY on top w/NIS to 4:30pm s/off for a report, then WNBZ Saranac Lake NY fighting CKBS St. Hyacinthe on 1240, no sign of WWD. 12/27- CJMC-1490 in o/WBCB TT 1:54 & CJMC still on @ 2:30. WCSC-1390 AN, WFBL off 2:10am. WFTP-1330 @ 2:12. WRJZ losing to WHEN & another @ 2:53, I'll have to try again. WKAP TT & OC 3:54 for a total loss for the AM. 12/28- On ERC's tip CBC on 600 w/CFCE/WICC QRM @ 4:53pm & @ 5, CBC Newfoundland ID, so CBNA St. Anthony. I could hear no other audible Nfld. at that time except CBT-540 which was weaker. 12/31- I finished out the year w/a report on WRCN-1570 fighting WTOW @ 4:30 for good tape & fair log. 1/3- Annual report to R. Tiempo-1200 2:40am & on, then I logged WRJZ-620, first o/WHEN on AN show & fighting a c/w ANer. (WSUN -ERC) PM, WLKN-1450 really covering frequency @ 4:15pm while looking for WKIV. CIGO all alone 4:20 pm, no sign of WPOP on 1410. Verie from WNUS via PP/c, v/s unreadable.

ELLIOT R. STRAUS - 1410 Bond Street - Asbury Park, NJ - 07712

The first new station to make an appearance here in '77 was WMIX-940 on MM 1/3 along w/KIOA who was testing underneath @ 2:10. Also heard were WEUP-1600 @ 2:30, list says 5kw D but they were rocking away. Also WCMI-1340, all above new & reported. Recent veries include WRNJ-1000 & WWOL-1120. In the year '76 I received 222 new stations and sent out 113 reports, & received 85 new veries. If I can keep running like that I'll catch Ernie in 2019 if he stops now. That's quite a challenge ERC, hi. XEMO-860 was in briefly w/EE religion harangue MM @ 1:15. Six newies heard on SSS 12/30, excellent S opening. WMOO-1550 w/6pm w/off also between 4:50 & 6pm were heard: WTHB-1550, R. Mil-1180, R. Mara-900, & HJ??-910. Veries have been very slowly trickling in due in part to the holiday season I'm sure. That's about all the news that's fit to print here at the time being, so best 73s to all from the Jersey Shore.

AS THEY SAY IN BOONVILLE, INDIANA, "WBNI-1540." "WINKEN, BLINKEN, & Now - LINCOLN!" (September 2-3-4-5!)

MIKE HARDESTER - NAVRGMEDCEN - Box 2723 - APO - San Francisco CA - 96331

Greetings! A Yaesu FRG-7 has now been added to the DX shack, & with the SPR-4, an excellent DX set-up is functioning. I'm going to try and obtain a continual list of "foreign" stations operating in parallel, a list of "pips", & languages to go with the stations in //. Hopefully this will give more stateside DXers an increased tool in DXing this area. I'm presently on a varying PM & night shift, and the brief periods of days precludes serious research. However, I'm hopeful that by the middle of February I'll be into a permanent AM sked (when the Army leaves here). Local daylight is roughly 2100 to 0800 GMT, this the remaining hours (when I'm off) will provide good DX & correspond to a similar darkness pattern in the States. A problem I note is when checking loggings in various foreign BCB columns: I rarely hear a station corresponding to the description given - most of the time I seldom hear a station at the time listed. I'm not doubting the loggings, I'm just curious about the skip - strange. If you hear a station & want me to check, I'll be happy to do so - just give me enough time to check, times, & SASE; also, not a five-page unID list, hi! If you're set up for PFM, give me that info also (Precision Frequency Measurement); I'm utilizing a Heath IM-4100. I'm gradually becoming accustomed to the languages heard over here. In the States, I was primarily interested in SA & CA stations on BCB, and similar on SWBC, thus the new area is taking a bit of time to get oriented to. Of possible interest is North Korea - Pyongyang which has four common stations in here nightly: 625//634, 852, & 655. In regards to //, the stations occasionally are NOT // one night & // the next, though mostly // characteristics remain. I hope everyone has a Happy Holiday Season and a Happy New Year of DX!

BOB WESSOLOWSKI - 1933 South 33rd Street - Milwaukee, WI - 53215

(The Polack with the Pabst and Philco). Hello all. My New Year's resolution for '77 is to get my log up to 700, from its present 538. December was pretty good, adding 33 newies. Nice AU on 12/11 brought in WMP5-680, KXJK-950, KSTL-690 & WAPE-690 all between 5:23pm and 5:50. WAPE was the surprise, in for a minute or so @ 5:28 in WVOX's null w/an ID & into Beattles "Eight Days a Week". Wasn't there two minutes later, so not enough for a report, rats. Finally I was awake enough to stay up most of 12/27, which brought in a big surprise in KUPD-1060 @ 2:01 w/a talk program, while trying for the KAMA r/c which never showed up. KUPD, too, only hung around for a minute or so, then lost into the garble from the Canadians. I had an unID foreign language on 850 from 3:30-4:30. It sounded like a night club routine with mx & yakk and laughs which sounded a little like a Slavic at times and then like FF. Could this be CFGL, or aren't they on yet? I noticed WOKY-920 testing @ 5am both 12/27 & 1/3; I'll check and advise if this is a regular. Speaking of regulars, when's the new f/c list coming out? I think I need one very badly. (You got it, Bob, since you Mused, hi - ERC) I tried for 15 of 'em on 12/27 & came away with WANV logged, WJDY, WOND, WBCB, WGR & KLEO as very tentatives & no sign of the nine others (WCBG, WNGA, WGOE, WJMC, KROX, WCVS, WLDY, KAMA & WFLN). I should have been able to get most of those on my clock radio! Well, gotta go & see if the snowstorm tonight (1/4) has kept anyone strange on the air. As they say in Berlin, Wis, "WISS" - "Write In Seventy-Seven." Forest. (Seventy trees).

MICHAEL O'SHEA - Route 1 - Lowgap, NC

Season's Greetings to all. A very pleasant vacation was spent back in the hometown (Buffalo) & I was able to do some DXing. Among the new stations heard were WRJZ-620 TN & WQYN-1060 OH, both for call changes. These are regulars, both in Buffalo & down here. Other DX, SSS: WEAW-1330 IL, WQTY-1000 AL & WXTN-1000 MS. Finally, WZAM-1110 heard on an ET. Sorry about not having dates or times on these. Other news: Our Christmas vacation has been extended an extra day here as we've got an inch of snow on the ground & it's still snowing. (Rare down here) I'll soon be putting up 100 feet of wire facing N/S so I'll hope to do some foreign DXing on BCB, maybe even on SW again. I will report on this later. 73s.

THINKIN' O' DRINKIN'? THEN THINK O' LINCOLN! SEPTEMBER 2-3-4-5!

RON B. SCHILLER - 7657 La Bolsa Drive - Dallas, Texas

A verie good week with 18 received & a milestone passed as the 2,000th verie arrived (we'll put two ## after the 2,000, for they are from combined DXing in NJ, FL & TX. Total is now 2,014 with these: v/1- KEWI-1440, KWRD-1470, KREH-900, WMIX-940 plus v/q, KNOW-1490, KWFA-1500, KMLB-1440 (first heard in '52!), KALO-1250, WRBC-1300, WCIL-1020, KJII-870 "Redneck Radio", KRGV-1290, KSAL-1150. v/q- XEMO-860, WKY-930, WCOX-1540, & v/r, KTNM-1400 plus CM, & KPLT-1490. Texas state total is now 98. Heard: 12/29- WCIL-1020 8am squeezing between KDKA/XBCQ. 12/30 - Cayman-1205 // -1555 10pm, BBC NX. 12/31, unnn KVLG-1570 through local KTER & another unnn KOLS @ 6pm. 1/1- KWRD-1470 local ads/NX 8:12-8:20am. I took a log on semi-local KBEC-1390. 1/2- KOLE-1340 NSP T-40 @ 4am; KLIC-1230 noted but not enough 3:41, c/w. 1/3- KNOW-1490 3:53-4am, rr. KWHO-860-TEST w/cl mx, fairly good u/HILR "R. Clarin" 4:42-4:55. KOCY-1340 w/c/w o/KOLE, log change, since it shows MM silent, 4:23-4:30. I forgot KRBA-1340 very briefly u/KOLE on 1/2 but too little to report. Unk s/on 4:58 w/NA on 1420, then WJWS noted. 1/6, unnn KRIG-1410 atop @ 6:50, veried from NJ in the 60's. KCRG-1390 w/ABC NX 6:54-7; KHOG-1440 w/school closings u/semi-local KDNT/KEYS/KEWI et al 7:32-7:40, till KEXX surfaced. Surprise, in WSWG-1540 s/on @ 8 u/KRXV. 1/7, Thanks to tip from Steve Ponder, KWMT-540 5:43-6pm, pretty good through XEWA/KNOE/WGTO KFUC-850 o/KOA/KRPT 6:18-6:23pm w/NX. 1/8- KZRK-1540 s/on 8:29, just before KRXV switched from 1 to 50kw day to bomb them! Special thanks to John Callarman for WMIX verie, QSL, & CMs. I had pleasure 1/6 of meeting NRCers Ed Bates, CE of WBAP, & Steve Ponder, both in Fort Worth! 73.

CHARLES GEORGE - 6407 Howard - Dallas, TX - 75227

I have not DXed that much on MW since my last Musing since I have been more active on SW. The Thursday before Christmas I received a v/q from WBBM Chicago. That same Thursday I was on the air doing a jazz show for another announcer who could not be there. Anyway, while I was away someone broke in and stole my Drake SSR-1 plus an ice chest. Thinking I would never see it again my parents went & got me another RX of the same model. Monday the police called to say they had found my receiver. So soon I will have two RXes. I asked Ron Schiller about a good antenna since I do not have a lot of room & I am not good at building things. Ron suggests the SM-1, & I would like to hear from others on the subject of antennas for my situation. 73s.

TED LANGLEY - 61 Willow Street - Pleasantville, NY - 10570

This, my first Musings, will serve as an intro. I've been DXing for a bit over a year, progressing through borrowed RXes such as SX-43, BC-348, GR-78 & SX-100. I've been an NRCer for less than a year & bought HQ-180-A through DXchange. Electronics has been a hobby since 5th grade & now, at age 39, I work for an electronics engineering company. I'm married, with two daughters, 10 & 11. My congratulations to the NRC staff who give so generously of their time to make the Club such a success. The same goes for those who are instrumental for DX NEWS & the NRC booklets & reprints. I would like to acknowledge my thanks to Steve Bohac who has generously guided & advised me in lengthy letters & via telephone! He also recently delivered to me an Alt. Az Loop which he built - excellent construction and fine workmanship! The HQ-180A is a delight; I will soon turn it over to Steve for complete re-alignment. I use 120' LW going NW from my basement "shack" & a half-wave 49m dipole going E/W. With various combinations by trial-and-error into the A1 & A2 inputs of my RX & my homebrew Pi-network NRC tuner, I have been able to achieve some directionality. Nulls are terrific with the AAZ, but since my "shack" is in below-ground basement, with first floor of my home being brick, and second floor with aluminum siding, it will take some time to familiarize myself with the characteristics of the loop here. DX-wise, nothing interesting to the "pros", but to a novice such as myself, I find Surinam, Belize, St. Kitts, Ft. Worth & Minneapolis interesting. My location is about 30 miles N of NYC & about ten miles NE of Tappan Zee Bridge. I have space to set up 400 to 600' beverage oriented toward the NE from my shack; anyone interested in a DXpedition in my backyard, please write. Peace. (Welcome to the NRC, Ted, and we hope you'll be one of our regulars here! -ERC)

AS THEY SAY IN WEYBURN, SASK., "CFSL-1190" CERTAINLY FIX your SIGHTS ON LINCOLN!



JOHN S. BOWKER - 304 Brandt Hall - Valparaiso, IN - 46383

Contrary to popular belief, I am all ve & DXing in NW Indiana. I have moved temporarily to a new shack & last night, MM 1/3, I logged some new and interesting stuff. And now, beecrresses DX! MM 1/3- I logged WIBA, WI, s/off @ 12:08am with mention of AFL-CIO contracts, no SSB. I then fiddled around the graveyards & found nothing but corpses. I went to 1550 which resembled a graveyard, & @ 2:02 (WIBA s/off is CST also) I caught the KKHI CA s/off again, no SSB, just a mighty-nite and catch-you-later type of s/off. When the shock of hearing a WC in Valpo (KFI is about it when it comes to WC's around here) wore off, WAAAY, AL, came rookin' in w/a promo for a Beach Boys' concert 1/8 in Huntsville. Their format resembles WLS, if you know what I mean. I kept up my lonely vigil on 1550 until after the sked TEST & found WAAAY too strong, dang it! I didn't even waste my time trying for the 860 TEST - WNL was all over the dial, KOA's OC didn't help much either. I was in Atlanta GA last week and found trying to get anything new a waste of time. The only difference between the DX is the lack of Canadians & the superfluosity (?) of Cubans. 710 was my only hope of something new, & WOR obliterated any chance of getting WGBS out of Miami. I suppose with the Orange Bowl in town, nobody wanted to leave, not even the radio signals. I am upset with WBSA, with their constant mention of South Atlanta, and not one mention of Morrow, their supposed city of ID. That's about it for DX. One other interesting note of a more personal nature. I am now working for WLJE, the local a/w FM, affiliated w/WAKE. Should anybody hear an OC at 1500, it could possibly be WAKE. Our CE tests, with & without ax, about every other night. If you think it might be us, the phone number is 219-462-6111 or 6112, call up & ask him. I'm sorry this isn't very amUSSing - I'll try and do better next time. 3's & 8's to y'all.

RAY ARRUDA - 48 Woodlawn Street - New Bedford, MA - 02744

Plenty of snow in all New England the first part of January with a foot in New Bedford. Here's what has been heard. MM 1/3- DX TESTS from KWBC-860 & KQQT-1550 tried, but not heard. MM 1/10- TESTS from WYNS-1150 & WBUC-1460 both heard with little QRM & fair signals. WBRB-1340 heard very poorly in sharp WNEB null w/WIS & ID @ 1:22am, not enough for report. They sounded more like RS than a TEST broadcast. Maybe they just stayed on late w/WIS for the TEST. WJNS-1450 AL TEST not heard from 3:30-3:42. About 20 reports still are out with the following veries: CJCH -920 CBR-1010 WUST-1120 WJAP-1320. TEST veries back from WYNN-540, WBCO-940, WDCR-1340 & KOKO-1450 w/a taped message on my cassette recording verifying report with verie to follow when time permits, & all reports have come in. 73. (Nice catch, Ray - they didn't make it here! -ERC)

LINDA BRODSKY - 245-16 149th Avenue - Rosedale, NY

I haven't disappeared from the DX scene completely, but CX have been so discouraging that I'm spending time trying to improve equipment and organize some of my tapes. Along those lines I just built an adjustable filter, actually two filters - one hi-pass & one lo-pass in one small unit. It has variable cutoffs of 100-400 cps & 3,000 to 6,000 cps. The output impedance is about 1,000 ohms & it uses a 6 or 12 VAC power source. I found the plans in May 1964 Popular Electronics (P.49) & since I had almost all the parts including a DC supply (battery is of course usable too!) I thought I'd try. Well gang it is the first thing I ever built that worked on the first try! It seems to work best on my tape recorder output. I was able to clean up quite a few feet of tape well enough to hear some IDs more clearly. On the RX it is apparently somewhat less effective but I haven't really given it a fair try yet so I'll hold off on judging it for now. Supposedly it can also be used to clean up old records and in a transmitter w/a crystal mike. Anyone who wants more info feel free to write & ask. By the way, the two HQ-180s I spotted at Harrison Electronics are gone. Welcome back to Charles Zipser. That's about it. I am looking forward to a visit from Bob & Kathy Foxworth this weekend & maybe some good DX (which seems to follow Bob around, hi).

MUSINGS DEADLINES ARE THURSDAYS IN PROVINCETOWN. PLEASE REMEMBER TO DOUBLE SPACE, AND STICK TO 30 LINES OF DX NEWS PRINT. NO VERIE SIGNERS IN YOUR MUSINGS, PLEASE! USE A.M. & P.M., E.S.T. SEE YOU IN MUSINGS!

PAUL MOUNT - 471 Emerson Avenue - Teaneck, NJ - 07666

You know people, it's amazing what they put into little radios. 9/6 I bought a small one since I needed a pocket size & it cost only \$2.50. My product was 10(high)x6x3(mm) set with the "Army look" speaker & dial. There was no earphone because there was no jack. The only writing aside from the dial on the set was a sticker saying "Windsor" and "made in Hong Kong." So I was surprised when I got WJWE, WKBW & WJAR on it amidst the locals here near NYC. However a trip to the shower despite a plastic bag almost killed the first one. I got another since the regular selling price ran around \$3. Things were fine for a while, then the tuning & volume wheels came loose & now float inside the radio. I guess I would have been better off just buying the cheapest model a NAME BRAND makes, like Panasonic or Realistic. Earlier that Monday, WPMJ-1390 Y-town noted on KY/TE/OC u/WFBL @ 2:13. This station had been heard twice before w/same CX. 9/13- A mention of an Aurora on NBC KX prompted some DX attempts here, & I found a weak EE on 600. That frequency is a good indicator for me, since HJWJ is heard well u/Cuba w/AU CX. The EE turned out to be WIGG CT which is forgotten about two hours after SSB since Cuba wipes them out. Sat. AM 9/18 I had CHXR-730 in w/just about no QRM from KEAC 1:37-2:08. This DJ took it very usually that he was being heard in NJ. He said all the SIDs say CHXR & that's what they've applied for to use at night. They played FR & called themselves "Super Seven CHXR." DJ John Herata, NKman Bob Quick. Also WGBS noted off @ 3:28, back on @ 4. I had lunch with Chris Hansen & friend & friend (sic) 9/22, but not much DX talk, the food wasn't any better. WKCR is finding my services. Any reception reports for WKCR-590 or FM 89.9 can be sent to me here in Teaneck. 73 & 77.

KONSTANTINE RYCHALSKY - 22 Carroll Court - Bridgeport, CT - 06607

ATTENTION! I need someone to correspond with in regards to questions concerning capacitors. Any help? Next, a special thanks goes out to Frank E. Dailey for his personal report forms. All my SS QSLs are due to him - thanks! Veries: New country #7-#204 Caribbean Radio Lighthouse v/1; #205 WDCR NH v/1 for 12/20 TEST. Letter mentioned TEST was heard in 17 states & one province with 50-plus reports received. Latest scouting around: 12/24-25 - no special CX noted here. 12/31- Partying! 1/3- (Wow, what a party that must have been! -ERC) WXYZ-1270 MI s/off recorded @ 2am, however they've never veried before, but I tried again. 1/5- WKIS-740 FL @ 1:12am in for approximately ten minutes but weak. I sent word-for-word report. 1:30am, on 730 & 750 SSBs, & the former the stronger. I left then for 1585 @ 2am - Germany trying to get in but their het super loud, female announcer & foreign language, however mumbled due to QRM. Strangely enough this was on a clock radio & the beeps beeps and pipe were heard! 1/10- I listened for WBRB PA TEST but frequency was mumbo. However I did hear ID @ 2 w/mention of TEST program & if not mistaken, WX & NX. I let this one pass. Unfortunately any TEST on 1450 never makes it here due to pest WJAB. They're off only on SSBs. Say, anyone interested in starting a QSL Black List giving those stations that just don't verify? Info like that is good to know ahead of time. Just a dream now, but I'm planning a trip down South this Summer, all the way down to the Keys by car, & of course recording the stations along the way. That should be interesting! 73e & all that jazz.

CARL DURNAVICH - 3800 West Division Street - Stone Park, IL - 60165

I hope all had a joyous holiday season. Our precious gift this year was time to DX & we had a ball. I logged 85 new stations in one week bringing the modest total to 575/390 TSH. Musta been an AU on 12/30. In the space of two hours we logged 20 stations from LA MS & TX. The whole band was bedlam w/hets & SS overriding the clear channel regulars such as WRVA WHO WBE et al. I had to stick myself with a fork to believe it. I hope all got into this one! Since I've used the tape recorder, the totals have jumped. I wonder what the highest totals are without one? Takes a good up to pull 'em through with no second chance. (I've NEVER used a tape recorder, Carl! -ERC) Out of my last 100 loggings, 40 have been IDed using the tape, & 100 were used to get solid program details. We were home for the holidays & found a mere 2- mile move made all the difference. The W side of Chitown is RP-hot. Cools down as you go S (except WLS). We were able to log 16 new ones on the adjacent channel freeks. Veries in, all v/1 from KQSI WZOO WMLD WQBI WICK WBBB & WATE.

PHILIP BOERSMA - 15570 Cleveland Street - Spring Lake, MI - 49456

It's been over 1 1/2 years since I last Mused, so I figured I'd better start contributing again. Anyway, for those who can't remember: I'm 19, somewhat of a lazy bum, and love to DX with my Panasonic RF-1600 (which is held together with lots of Elmer's Glue and bubble gum). After a long period of inactivity, I am now DXing again, so here goes: 1/4- 5:45pm, WLIK-1270 a surprise o/WXYZ w/mx. 6:09pm, WNOE-1060 blasting KYW w/the usual rr, calls after every song. 1/8- WWOL-1120 way o/KMOX 4:39pm w/c/w. 4:45, WPME-1540, a new one for me w/rr, jingle. 4:52, WCMB -1460 w/WX, EST TC (which helped me to distinguish it from WUMB-WI, a regular here), jingle, & pop mx. For the interested: I visited WION-1430 Ionia, MI on 1/4. They have a three-tower DA with most of their signal going N, a small lobe S, & almost zilch to the E & W. They are 5kw day, w/a 500w PSA. 73s, & I hope to Muse again before 1979, hi.

STEPHEN PONDER - Box 22635 - Fort Worth, TX - 76122

Latest veries: v/q- KPRC-950, WNBC-660, WJBO-1150. v/1- KLZ-560 (also sent card), KBQ-1020, KTAM-1240, KEYS-1440, KPRO-1370, KXEN -1010. Latest heard: 1/8- WRVA-1140 heard o/unID SS @ 2am. 1/7- HRYW-945 Tegucigalpa, Honduras, heard w/"R. Panamericana" IDs @ 8:11pm. Thanks to a phone call from Artie Bigley I was able to catch R. Cayman-1205 @ 8pm on 1/4. Also Guinea-1403, but no ID. A very profitable visit with Ron Schiller who dropped by the afternoon of 1/6 helped to get some more "target" frequencies, as well as some verie info. I tried the splits the night of 1/7. I heard Dominica-595 with low audio @ 7:55; Haiti-1385 (or was it R. Centro?) was poor in unID language around 9; on morning of 1/8, I heard carriers on 1415 and 1475, both signing off around lam. Was the night of 1/7 good all over? Thanks to a tip from Ron Schiller, I am re-vamping my records system. Maybe a forum on verification requests printed in DX NEWS would be of help to a lot of the newer members. 73.

### M O T H B A L L M E M O R I E S

CHAPTER XXXIX - "CONCERNING CONVENTIONS OF CERTAIN DIMENSIONS"- from the 10/11/58 DX NEWS, by CARROLL SETH.

In looking back it's hard to tell  
Events exactly as befell  
The members Findlay people met  
(And probably discuss as yet)  
The Tewells, quite convention-wise  
Were never soon to show surprise  
At anything or anyone,  
And Elbert didn't even have a gun!  
(There is no hunting season  
On DXers or their several spawn).

We had our pictures took and then  
Exposed the profiles once again.  
We hopped around the hostelry  
With much to say and things to see -

By way of explanation: The 1958 Convention in Findlay, Ohio was hosted by member Elbert Tewell and his wife. The "pyrotechnical display" Carroll refers to resulted from a gift given each attendee by the Cooper Tire and Rubber Company of Findlay - it was a road flare! Some of the gang decided to see if they really worked - on the rug in Room 201! They worked! And the guilty parties had to buy the hotel a new rug!

NEXT WEEK: BEN DANGERFIELD WILL BEGIN TELLING US ABOUT THE EARLY DAYS OF PHILADELPHIA RADIO.

We are asking other members who DXed in the early days - and that can be any time before, say, 1960 - to send in interesting events they recall. We don't want articles cut out from old magazines or newspapers, please - we want it to be personal experiences of our members - or perhaps, even outstanding Musings from DX NEWS or 20 or more years ago. We'd particularly appreciate hearing from some of our long-standing members who never send in Musings or any other contributions to DX NEWS, but who once did. These gentlemen have some really fascinating DX and DX-related yarns they could pass along to the newer group, if only they would be so kind!

ERNEST R. COOPER - 5 Anthony Street - Provincetown, MA - 02657

I can't seem to write to a station which is considerable enough to reply! Only one v/1 in, WTKH-1520 w/GM, 4,019. To DX: MM 1/3- UnID TTer on 1530 1:07-1:30 & on, o/an unID SS. Another TTer doing his thing on 1580, around the same time. Seldom heard WIBC-1070 breaking through the SS w/rr around 1:55am. An SS on 950 w/Yankee Doodle IS often, this must be XEYJ according to other Musers and IDXD, but no ID here. A TTer on 1390 @ 2:08, likely WPMJ, and another on 1140 2:16-2:20. On 1020, R. Margarita seems AN now, loud @ 2:36. Umm WTTI-1530 with another test @ 3:34, w/rr. R. Vision-950, Caracas, s/on @ 3:56 w/Venezuelan NA, and quite strong to 4:18, WPMJ seemed to be off. 1/4- TTer on 780 looping SW o/WBHM/Cuban 3:06-2:26. ANER WHWH-1350 seemed to be off @ 2:53 check. 1/5- UnID TTer on 1290 1:51-2:05 and on. 1/6- UnID TTers noted today on 990 @ 2:08, and 1550 @ 2:17. SM 1/9- WFOR-1490 atop today; they're generally silent SMs. A TTer w/WCKY-1530 @ 2:44 & on, unID. Another TTer decorating 1550 2:30-3:02 and on. MM 1/10- UnID TTer today gracing 930 @ 1:44, likewise one on 1270 @ 1:41. Umm WWO0-1240 testing w/rr and lkw. @ 1:58. The AN SS on 1330 is indeed R. Vigia, Cartagena - ID came through @ 2:19. Umm TESTs of WBOG-1460 and WYNS-1150 easily heard, not so WBRK. Umm WFAF-1320 ETING w/TT & daytime antenna @ 2:57, very loud. A TTer in the 1450 muck @ 3:42, but no ID. Umm R. Boyer, PJC-7, heard w/musicbox IS @ 4:01, s/on @ 4:03 w/ what must be the local athen, then unk language by man, and US o/w mx - an unlikely combination, but quite strong - this on an otherwise wide-open 1500k. Give them a try! 1/12- Semi-AD CX today, (noted as my first new domestic for 1977 on 1270 in seldom-reported WHIT on AN, but w/c/w and not MoR as the NRC Log #4 says, in/out with the Cuban Minute Man and another SS for a log, 1:23-2:22. And, another Venezuelan has taken up the annoying habit of AMING - R. Maracaibo-740, so it is bye-bye R. Guatapurri. Bonaire signs on awfully early - 'twas 2:24am when the antehen and Portuguese language s/en. 1/14- Seldom-heard WBOC-930 surfacing @ 1:30am. Andorra-818 was solid @ 1:34, umm. TTer loud on 1330 @ 1:56-2:45 and another TT on 1380 @ 2:24. C U N T!

ERNEST R. COOPER - 5 Anthony Street - Provincetown, MA - 02657

Some extra space here, and some extra time, so I'll "muse", hi. Now that the shack has been moved and re-organized, I've been able to DX again, current sked includes getting up kinda early, so all DX has been SSS, the first serious such in over two years. Persistence has yielded up some catches I've been chasing for years. Naturally a 7-mile move out from under apartment TVI has helped, too. These include WJSM-110-PA, WTZE-1470-VA, WFR4-600-PA, WEIF-1370-WV, WCAW-680-WV, WJTO-730-ME, WPIG-790-PA, WMEK-980-VA, WOTT-1410-NY, WOC3-1300-NY, WIVK-850-TN, WESO-970-MA, & WCHN-970-NY. The latter two thanks mostly to WCSH all-mx, which, combined w/WWDJ's religion make stuff in there with them possible. Several new calls notes, won't list them. Perhaps the most gratifying DX, though has been the result of careful planning. I can't say enough for this aspect of the hobby, and refer doubting folk among you to re-read Page Taylor's article in the NKK. When you can spend a half hour researching a list of new targets, and then go out and hear nearly 1/2 of them the first or second time you try, that's rewarding (and easy, too, hi). WYOK-1000-GA is perhaps the favorite of these. I simply made a list of new stations, upped powers, and stations whose co-channel interference had made favorable programming changes (like WCSH) and then started looking at s/off time or pattern/power change time. It's also a real letdown to have to go with only one rx and antenna, after working with two during 1972-5 and three (inc. RGS's, hi) last season, though little DX done last year. Just haven't got room for both loops and no \$\$\$ for an \$M. Also sold the extra rx to get \$\$\$, hi. 73s.....

### WORD INTERPRETION QUIZ

1st word: TOWER  
2nd word: INTERFERENCE  
3rd word: GRAVEYARD  
4th word: La Voz  
5th word: HAITI

Hidden Word: From the "WILLIGHT ZONE"

**V E R I E S I G N E R S**

A - Ron Schiller C - Cal Augustine \* F - George Semko  
 B - non-member D - Ken Chatterton G - Elliot Straus  
 H - Ernie Cooper

540	CBK	W Cameron, NxSu	C 1250	K A L O	RA Ghent, CE	C
560	K L Z	GM Westerberg, CE	AC	W MmT R	u/u, CE	D
	K W T O	J Fite, CE	C 1260	K S N O	DJ Wright, CE	C
580	K U B C	R Evans, CE	C 1270	W O R X	JR Green	D
610	W D A F	JP Schmidt, CE	C	W M P M	CE Lamm, GM	F
620	K T A R	W Green, CE	C	K I M L	RC Luth, CE	C
	C K C K	H Dean	C 1280	K T T X	LR Schlottman, CE	A
	K W F T	L Padron, CE	C	K L U E	HA Bridge Jr., P	A
630	K H O W	G Vogel, CE	C 1290	K R G V	T Perryman, CE	A
650	W S M	J Thomas	C	K O W B	K Keating	A
680	K N B R	J Cameron, M	C 1300	W R B C	W Hott, M	A
690	K Z E Y	W Taylor, OpM	A 1310	W T L B	DE Doughty, CE	DF
	K G G F	R McBride, PD	C	K F K A	D Sawyer, PD, CE	C
	W G N	WR Crane, CE	C	K L I X	CR Linn, M	C
720	W S B	G Fischer, PD	C 1320	K C P X	W Wright, M	C
750	K F Y O	R Hively, CE	C 1330	W EmL W	WD Falt, CE	D
790	K G H L	FS Randall, CE	C 1340	K P G E	D Holmes	B
810	K G O	VF Leverich, CE	C 1350	K K A M	D Shaw, GM	C
	K G M O	F Frank, StuSu	C	W NqV A	WG Stallard, M	F
	W SqJ C	CL Simmons, CE	A 1370	K X L F	K Schott, PD	C
820	W B A P	SD Hansken, CE	C 1400	K TrN M	SJ Barnes, GM	A
850	K G K O	P Bridges, GM	A 1410	K J C H	G Dodson, GM, CE	A
870	K J I M	B Wilson, PD	A 1420	W LmN A	NB Johnson, CE	D
	W W L	DG Walker	C	K T O E	C Engel	C
910	K A L L	RL Vance, CE	C 1430	K O S I	R Dean, CE	C
	W RfK L	PB Morton, CE	D 1440	K E W I	WA Nelson, CE	C
920	K AqR N	u/u	A 1450	W I L M	EB Boylan, CE	D
	K X L Y	L LaCombe, Ops	C 1460	W V O X	S Sinuk, CE	D
940	W I D G	GF Reeman, E	F	K Y S N	LN Wilson, CE	C
950	K PqR C	u/u	A	W A C O	J Vinson, CE	C
	K Ihm N	JC Humke, CE	C 1490	K V O Z	W Harrell	C
970	W D A Y	L Lee, CE	CF1510	K D K O	D Mueller	C
980	K I C A	R Larson, CE	C 1520	W T G R	WG Thompson, GM	G
1000	K M B Z	E Langrath, ESu	C	W NpM T	u/u	A
	K T O K	K Gaines	C	K O M A	J Kidder, GM	C
	W IqO O	C Allan, CE	F 1530	K F B K	DL Harry	C
	W R N J	LJ Tighe Jr, P, GM	E	K J E M	Sarah Toon	A
1010	C BqR	(Debbie Lee	A 1540	W CqO X	V Moore, CE	A
		(JR Ceol	C	K X E L	A Thrill, CE	C
1020	K B C Q	T Rose, CE	C 1550	K K J O	R Heard, CE	C
	W C I L	PH McRoy, M	A	K Q X I	L Allen, CE	C
1030	K T W O	L Tymaner	C	K U A T	EE Koons, Sup E	C
1060	W K K Q	JJ Collins, M	F	W C G R	R Marshall, CE	D
1070	K N X	R Hammond, D	C	X EnN U	M Villarreal Ibarra, P	A
	K F D I	C Koch, CE	C	K M A D	G "Sky" Corbin, GM,PtrA	A
1090	K A A T	N Smith, CE	C	W K B A	u/u, CE	F
	K A A Y	TA Ruch, CE	C	KfG MmO	J Gates, E	F
	CqH RnS	Y Rancourt, CE	D 1570	K L O V	DW Klassen, P	C
1100	K R E X	A Ladage, CE	C	C K T A	B Seely, M	C
	W W E E	J Schroitte, EM	C	W T O W	R Seaby, CE	D
1110	W JfM L	GH Casey, GM	F	CcK LmM	P Hibert	D
1120	W W O L	W Williams, CE	E 1580	K L T R	J Dixon, CE	F
	K M O X	R Gotsch	C	K CrH A	Harriet Skillen	F
1130	W D G Y	D Dahl	C	W T T N	M Timpany, E	F
1150	W Cmu E	HG NeiderkoflerVP	D 1600	W CqW C	P Valeke, Op M	F
	K S A L	DA Engelhardt, CE	A			
1210	W IqL Y	J Laughunn, TD, O	F			
1230	K SqS T	W Bradford	A			
1250	W R E N	L Yazell, CE	C			
	K B R F	LB Nornes	C			

\* Did not specify verie types.  
 We're getting GREAT support for this  
 column, gang, thanks to you who have  
 participated. Please keep it up! -ERC

**V E R I E S I G N E R S**

A - R. Schiller D - R. Arruda 1300 K GqL O D R Sappenfield, CE PG  
 B - K. Jeter E - R. Musco 1330 K OmL Y Q P Coleman F  
 C - M. Foltz G - C. Augustine C KfX O R E Cauthon, CE D  
 F - unsigned 1320 C KqE C u/u D  
 570 KqVmI R Velo, CE F 1330 K V C L (J Trahan, VP, GM A  
 590 W OqW G Flynn, DoE (retired) (J Trenan, VP, GM B  
 600 K SqJ B H G Van Erem, CE F W RrA A J A Kiten, E A  
 CqF QhC A J Koenderink, CE F W J P R B F Gresham, M A  
 630 W IqO D u/u A 1340 W O K E H C Weaver, O, GM A  
 630 K HqO W P Montoya, E A W K AuN D R C Parker, CE A  
 CuF CmY M Murtagh C K A T Y S Lanont, CE F  
 680 W DmB C R Haslow, CE C 1350 W HqW H Dudley "u/u", CE D  
 720 W OfH S S Greene, CE B WmP DrR E Kramer F  
 Wrp ApL M Goddman, GM B WhL OpU S Dawson, CE B  
 W PpI T M Komichak, CE B 1360 K S C J (A Karvierer, CE G  
 K LpO E W Pash, TD B q (A R Lawrence, CE F  
 740 K C M C H Cecil, M A W L B K J F Cemy, CE F  
 K Y M E T Hotchkiss, VPGMD 1370 K VhY L D Hopson, O A  
 800 K QmD T Coloff, PD F K O K E S Brightwell, CE A  
 W DpE H R L Sherlin, M B 1380 W KpK E u/u, CE B  
 820 W OqS U u/u B 1390 W TpJ S C Martin, CE B  
 850 W EqA T D S Kimble, CE D K N C K W D Wilson, SM A  
 860 W T E L T Klatt, CE D 1400 W TmS L J J Cioffi, A E  
 885 Z JuB R W White, SM C 1420 K FpY N Mary Bauer, O A  
 890 K B Y E J Lawson B 1430 W LpA U u/u, PD B  
 920 K LuM R J Wilkinson, PD A W BmL R E Crapps, PD B  
 960 K A Y K B Harding, CE A 1440 W N C R M J Marcy, CE D  
 W GmR O D Blackwell, GM B W BpU Y G Hilton, GM B  
 980 C KqR M u/u, CE B W N B E D Anglin B  
 W C A P T Cohen, CE D 1450 K AqY C D Chamberlin, CE A  
 990 C BqW (Lindi Hagberg FG K MuB L M Smith, GM A  
 L (Lois Francis, PR F C HfO W L Holleran, E E  
 1000 W Y O K F Tippett, GM B 1480 K A U S (S W Hamre, CE F  
 W K Y B H O'Neal, PD E (J Hardy, CE G  
 1050 K LmO H W Christensen, GMF 1490 W K V T P Elmer, Ops. D  
 1070 Kri LmR u/u F W LhC X J Rohrer, P, M F  
 1090 W I L D R Wotiz, CE E K O F E D J Bare, Ptnr, M F  
 1080 W K A C W Forsythe, GM B C W M P X P A Wolf, CE C  
 1110 W NqA R A King, CE F 1500 K S T P N Paetzlich, GM FG  
 W B I B M Woodliff, PD B 1520 K O L M M L Hedstrom, GM F  
 1140 K S O O R Marty, CE G 1530 K T M N W Euder, PD B  
 W I X C Sue Brooks, TrfM A K N B I D Tucker, M D  
 WmA KpK J Bradshaw, PD B 1540 W K Y K R Sink, VP B  
 1150 W C N X R B Holt, CE D K G B C L Stripling, CE A  
 K S A L D A Engelhardt, CE G 1550 W DpE B E Howard, PD B  
 C K X L DuBois, CE G 1560 K HpB R D Jackson, PD A  
 1170 K V O O (G V Rhenark, CE G X E V I P Kathryn M. Loretta A  
 q (D Bahmaier, E A 1580 W JqV A J Lis, CE D  
 W H A M A Davis, CE G W L I J R Womble D  
 1180 C J R B J Hoepfner, CE G W A N B Diana M. Albright, S E  
 1220 W EpQ O M A Beaufler B K P I M C Brown G  
 W F W L Betty Wilson, OM B X E D M C V Rodriguez G  
 1230 W J O B E Hendricks, PD F u/u, O B  
 1240 K F L Y E R Hopseker, CE F 1590 W WrU N T Stenzel, Cop A  
 W ImB U V M Aime, M/WLVE C K VqG B G B Scheuerman, E FG  
 W CnN C J L Lamb Jr., M C K E R C S L Johnson, NxD A  
 K AuN E K Romero, CE A 1600 K L A K J Chadwell G  
 WfK DmA G Hale, CE B K B B B G Darnell, Nx D G  
 1250 K PpR E u.u, CE A K C R G W G Alliss Jr., CE G  
 1260 K W I Q J Lawrence, GM F WpH BfT R Brown, CE B  
 1270 W C B C M M Kimmel IV F  
 K W E B S Petersch, GM F  
 W LpS M J Jenkins Jr., GMB

f - Form letter n - Native language.  
 h - V/S is a ham. v - vague verie.

N.R.C. REPRINT LIST SUPPLEMENT  
JANUARY 1977

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# Radio Orwell

Our Ref: RA/WMO

2nd August, 1976

Dear Mr. Calkin,

Thank you so much for your Reception Report and I am very pleased to confirm that you were listening to Radio Orwell on the 30th July, on 1169 kHz.

As you probably know Radio Orwell is one of nineteen local independent radio stations and our station was designed to serve the whole of Suffolk and North Essex. We have, in fact, received a number of reports further afield than that.

I am enclosing some promotional and engineering information which I thought you might find of interest and I would like to thank you again for your interest in Radio Orwell.

Yours sincerely,

*R Allison*  
Richard Allison,  
Chief Engineer.

Gregg A. Calkin, Esq.,  
BN-Box 1926,  
LONDON,  
WC1V 6EX



PS 1 PRODUCT SUMMARY OF THE DRAKE SR-1 RECEIVER. H. Foxworth.

- M 27 PRECISION FREQUENCY ANALYSIS. R. Schatz, w/ notes by R. Edmunds. A discussion of the technique of analyzing the characteristics of stations' frequency over the long term as an aid to identification or elimination of stations as possible DX catches at any given time.
- M 29 MORE ON HOW DIRECTIONAL ANTENNA PATTERNS ARE PRODUCED. H. W. Boyd. Supplementary information to the articles contained in the 1975 edition of the NRC Night Pattern Book.
- R 23 THE RUSTRAK R-88 RECORDER. R. Schatz. Explains the operation and use of this versatile chart recording marker and its applications to the studies of propagation in MW DX'ing, and gaining insights into potential loggings.
- A 39 A LARGE APERTURE FERRITE CORE LOOP ANTENNA FOR LONG AND MEDIUM WAVE RECEPTION. J. Hagan. Details the Theory and Construction of this new type of DX antenna.
- A 40 A NOVEL APPROACH TO BUILDING YOUR OWN BOB LOOP. M. Maloney. New ideas for improvements in the ease and sturdiness of loop antennas.

The articles on the above list are available from the NRC PUBLICATIONS CENTER, P.O. BOX 401, GALES FERRY, CT. 06335. Using this form, or a copy of it, circle the numbers of the articles requested. The numbers in parentheses are the article page counts for use in determining the cost of the article. Please use a separate sheet for other orders or correspondence.

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PS 1 (1) M 27 (5) M 29 (1) R 23 (4) A 39 (14) A 40 (4)

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