

# CPC TESTS

Still a nice lineup of Tests as we approach the Mid-Winter Anomaly period that usually occurs about now. Keep those CPC letters in circulation to those hard-to-log stations.

- 1/5 & WHFB-1060 Benton Harbor, MI 0100-0300 ELT w/1000 hz. tones and voice
  1/12 ID's. Will use 5000 watts 1/5, 1000 watts on 1/12. Reports to: Steve
  Mon. Messer, CE-WHFB AM, 2100 Fairplane Ave., Benton Harbor, MI 49022.
  Per verie received by Neil Zank/NRC.
- 1/6 WLET-1420 Toccoa, GA 0015-0045 ELT. Polka & march music w/voice & Tues. code ID's at 5 min. intervals. R/c is prior to this test from 0001-0010. Reports to: Jan Bethke, CE WLET, 423 Prather Bridge Rd., Toccoa, GA 30577. Arranged by Karl Jeter/NRC.
- 1/12 WCSM-1350 Celina, OH 0030-0215 ELT. Will use 500 watts 0030-0130, Mon. PSA power of 145 watts 0130-0200 and 500 watts 0200-0215. Will use tones, band & contemporary music. ID's each 2 minutes. Prepaid calls ONLY to 419-586-5134. Pattern is to N/NE. Arranged by Brad Lovett/NRC. Reports for this test and ALL tests should include a SASE. Reports to: Brad Lovett, WCSM, Box 492, Celina, OH 45822.
- Brad Lovett, WCSM, Box 492, Celina, OH 45822.

  1/12 WEYZ-1450 Erie, PA 0000-0030 ELT w/1000 watts non-directional. Will

  Mon. use Big Band sound w/tones every 10 minutes. Reports to: J.J. Sanford,

  Program Dir., P.O. Box 1184, Erie, PA 16512. Arranged by Harley

  Steward/NRC.
- 1/12 WDMP-810 Dodgeville, WI 0100-0130 ELT. Reports to: Richard Carroll, Mon. WDMP, Box 116, Dodgeville, WI 53533. Arranged by Mike Knitter/NRC.
- 1/26 WENN-1320 Birmingham, AL 0100-0200 ELT. Reports to: WENN Radio, P.O. Mon. Box 697, Birmingham, AL 35201. They also do maintenance every Tues. morning. Arranged by Mike Knitter/NRC.

## STATIC FROM HQ

This issue will be a "biggie" although all the columns aren't here yet. We will have a short Static section this week to conserve space. Per a phone call from Ken Onyschuk in Chicago, we've learned that member Richard Pistek passed away on Dec. 17th. No other details were available.

Response to our ad in earlier bulletins advising availability of back issue volumes of DX News has been excellent. Gary still has volume 47 missing only issues #1 & 9 and one volume 46 missing issues #1,2,5,6 & 9. These are still available for the price of postage- \$2.00 per volume year. Write to Gary at HQ.

John Zondlo advises that the 1981 WTFDA Convention will be held July 31, August 1 and 2 in Oklahoma City, OK at the Ramada Inn, Interstate 40 and Meridian. More information is available from John by writing to him at 1802 N. Rockwell, Apt. 107, Bethany, OK 73008.

By the time you read this issue all back orders should be shipped from the Publications Center per Ken Chatterton. Any inquiries on missing or delayed orders should be directed to Ken at the Publications Center, P.O. Box 164, Mannsville, NY 13661. Again, all orders held up for the holidays are in the mail as of this date.

# LOOK INSIDE

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DAVE SCHMIDT 42 CHELWYNNE RD. CASTLE HILLS NEW CASTLE, DE 19720

Hope that everyone had a nice holiday! I should have wished that to all last issue but the 2 week turnaround on the column got my dates a little screwed up. Anyway, please keep your items on one side of the paper, ELT, skip a line or two between items, etc. Mistakes at no extra charge! Here goes:

### DX TESTS:

WCUB-980 heard by NZ-NE, KG-PA. WHFB-1060 tentative by WPT-DC, not heard by TB-DC, DS-DR.

WSNW-1150 heard by NZ-NE.

WMOV-1360 heard by RM-CT. WLET-1420 heard by TW-ON, BJ-MO.

WAWA-1590 heard by RM-CT, DS-DE, BB-NY.

## FREQ. CHECKS:

2nd TUES....WREL-1450 not heard by DS-DE. 3rd TUES....WAHT-1510 W/TT. WOHN-1440 W/TT. (DS-DE)

2nd SAT...KLMX-1450 w/TT. Code/voice IDs, 0209-0220. (NZ-NE)

#### SPECIAL:

NEW GLASGOW - MM s/on 0400, might be your "best bet" for NS. They're AN-6, MoR mx thru the week. (ERC-MA)
CADILLAC - 11/30 1715-1720 strong w/MoR mx and ID's, ex-1320 CKEC WWAM. WKJF is their FM call also. (JF-ON) WKJF ALBANY - Format: REL. Has also quit AN sked. (AQ-NY, 1400 WABY

DETROIT - Noted on new call 11/6, EZL mx, some ethnic programming. Ex-WJLB which has gone on their FM. (IH-MI) WMCK MI NEW BEDFORD - seems to be off on alternate SM's now, was

WBSM PORTAGE - Still off the air as of 12/5, but noted turning noted AN on 12/7. (ERC-MA)

1470 WRML OC on/off 12-4. (RB-PA)

WEST SPRINGFIELD - Format: Top 40. Sked .: NSP. Ex-WNUS. WEST HARTFORD - CP for night operation w/2500 watts WOXO approved! Already running ad's looking for help! (RM-CT)
WWWWWWWWWWWWW NJ DOZEN CITY - Noted w/plenty of 12WD ID's! (JS-OH) 1550

WRCP PA PHILADELPHIA - 12/3 0624 noted here w/PSA power w/CW mx, news at 0630. Back on 1540 at 0700 when back on full power

but Philly sunrise s/on is 0715! (KG-PA)
JOHNSON CITY - 12/18 0035-0045 noted w/"Easy 16" ID's,
Top 40 mx, o/WAKR/WQQW. Fulltime CP must be on. (DS-DE) 1590 WJSO TN

Add net .: NBC. (HSY-TN) BROCKPORT - Went fulltime on 12/1 w/1000 watts, day and night. Sked.: 0500-0000 daily. (JB-NY)

### MIDDAY - MIDNIGHT:

RICHLANDS - 11/29 1655 weak u/CBEF w/Top 40 mx. (IH-MI) 12/7 1636 fair w/car deal ad, request line #. (EB-PA)
CYPRESS GARDENS - 12/6 1659-1734 loud w/local ads. Called right after pattern switch and DJ wanted to hear station o/phone. (BB-NY) 12/4 1730 ID/time check then gone at pattern/power change. (RB-PA)

ASHEVILLE - 12/7 1705-1715 atop WMCA w/CW mx then faded, WWNC NC 570

modulation somewhat low. (DS-DE) LEXINGTON - 12/6 1642-1644 w/basketball game, spot for car WVLK KY 590

dealer. Same game on WHAS-840. (BB-NY)
JACKSONVILLE - 11/21 1720-1725 o/WCAO w/ads, wx, mx. (KG-PA WAIV FL TIMMINS - 12/6 1735 fair in CFTR null w/contest to win ON 680 CKGB

trip to the south. (JB-NY)
NEW ORLEANS - 12/6 1747 fair w/wx u/CBF. (JB-NY) 12/4 WTIX LA 690

1755 nx w/female anno'r, ID, u/CBF. (RB-PA)
MIAMI - 12/6 1728 weak w/oldie, then Ae nx. (JB-NY)
12/6 1759 weak SSB noted, only thing that seems to fit is
WEPA-Eupora, MS which would have been a nice catch! (JB-MY) WGBS FL 710 UNID SHELBY - 12/8 1715 s/off noted given by PD. (TB-DC)

730

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740	MATH	IL	OLNEY - 12/11 1730 s/off w/plug for FM, no SSB. (JS-OH)
	WBAM	AL	MONTGOMERY - 12/6 1729-1744 w/ID's, CW mx, u/o CBL. S/off mention FF 99 and 50000 watts. (IH-MI) (KG-PA)
770	WFTH KUOM	NC MN	MOREHEAD CITY - 11/22 1647-1700 w/mx, ads, s/off w/no SSB. MINNEAPOLIS - 11/28 1659 good o/u/WABC w/mention of operated by Univ. of MN, some WJR splash. (IH-MI)
790	KFYO	TX	LUBBOCK - 11/24 1935 wx, ID, local ad the sports. (PK-WI)
	WQXI	GA TN	ATLANTA - 12/6 1728 good signal w/rr. (JB-NY) MEMPHIS - 12/6 1743 fair w/CW mx. (JB-NY)
800	WSVS	VA	CREWE - 11/28 1700 fair w/s/off, ID. (TW-ON)
810	CJVA	NB	CARAQUET - 11/29 1800-1830 fair w/pop songs, mx, ads, jingles, etc., u/o WGY. (TW-ON)
820	TIAW	IL	CHICAGO - 12/6 1655-1658 good signal w/BFL mx, PSA, ID. Some splash from WNYC-830. (BB-NY)
850	WHDH	MA .	BOSTON - 11/28 1738 w/partial ID, promo to call in and win \$50 coin. (IH-MI) (BR-NY)
870	WKAR	MI	EAST LANSING - 11/29 1706-1714 s/off w/no SSB, WHCU nulled.
900	WEAS	GA	SAVANNAH - 11/24 1722-1730 w/REL program then s/off, no SSB. (JDB-OH) 11/30 s/off w/mention of 5000 watts, again 12/7 1701 w/REL mx. (IH-MI)
	WLSI	KY	PIKEVILLE - 11/23 1645-1655 on top w/local nx, ads. (KG-PA)
910	KLCN	AR	BLYTHEVILLE - 12/4 1640 local car ad, MoR mx, regular here. (BJ-MO) 12/6 1656-1705 way o/CHRL w/state/UPI nx, in and
	WAVL	PA	ads, first time heard in PQ. (RUGG-PQ) APOLLO - 12/6 1602-1612 way atop w/nx, wx, ID then drama,
	MYATI	FA	1st time heard in PO. (RUGG-PQ)
920 930	WICW	KY MS	WHITEBURG - 12/10 1654 on top w/CW mx. (JS-OH) JACKSON - 11/28 1807 good w/ID, local ad, o/WEOL. (IH-MI)
940	WFNC	NC	FAYETTEVILLE - 12/6 1701-1715 CW mx to pattern change,
950	WCTN	MD	then freq. belong to WCPC! (TF-PA) POTOMAC - 11/25 1659 weak in WWJ null w/complete s/off,
			mention of Seven Locks Bost. Co. (JF-ON) ATHENS - 12/7 1717 fair w/partial ID, local ads. (IH-MI)
960	WRFC	GA PA	KANE - 12/8 1645 s/off w/mention of 1000 watts, fair.(WPT)
970	KQAQ	MN	AUSTIN - 12/7 1731 fair w/mention of highway deaths, state/local nx, no ID. (IH-MI)
	CBZ	NB	FREDERICTON - 12/6 2115-2210 CBC stock nx, talk program.
			No sign of WWDJ/WWSW. (TF-PA) Let me know if you get a verie from him Tony. He didn't verie my rpt. last year.(DS)
990	KDYL	UT	TOOLE - 11/21 2015 ID then s/off. (PZ-NV)
1000	WELS	AL NC	HUNTSVILLE - 12/9 1719 safe driving PSA by car dealer!(TB-DC) KINSTON - 11/27 1655-1700 almost equal to WINS w/CW mx
	WSID	MD	then s/off w/no SSB. (KG-PA) BALTIMORE - 12/2 1645 shortest s/off other than simply
			pulling the switch I've heard, ID then gone. (TB-DC) Believe it or not, that's ALL thats required by the FCC!(DS)
1050	WHGI	GA	AUGUSTA - 11/27 1720-1730 w/REL mx. inspirational anne't
1060	WMCL	IL	by woman, s/off w/no SSB. (KG-PA) McLEANSBORO - 12/6 1730 weak at s/off w/mention of
1000			Community Service Bostg., no SSB. (TB-DC)
1080	WCII	CO	LOUISVILLE - 11/29 1715-1730 way atop WTIC w/CW mx, local
			LOUISVILLE - 11/29 1715-1730 way atop WTIC w/CW mx, local ads, "Country 11" ID's. (KG-PA)
1090	WCRA	IL	EFFINGHAM - 12/5 1729 in WBAL null w/s/off, mention FM 95.7, no SSB. (TB-DC) (JF-ON)
1100 1110	WLBB	GA ON	CARRÓLLTON - 11/22 1707-1720 weak wau u/WWWE w/CW mx, ID. SARNIA - 11/25 1644 w/SID, spot for local store. (EB-PA)
1130	CKJD KBMR	ND	BISMARK - 11/21 1710 very good signal w/ID, local ads.(PZ)
1140	KATT	OK	OKLAHOMA CITY - 11/28 1655 local truck dealer ad, ID. (BJ)
1150	WIXC	TN MA	FAYETTEVILLE - 12/11 1706 u/WRVA w/CW mx. (JS-OH) BOSTON - 12/6 1611 World of Water promo then Xmas mx.(TB-DC)
,	WIMA	OH	LIMA - 12/6 1620 peaked briefly w/ID, first time heard
1170	WAMB	TN	since 1964! (RUGG-PQ) DONELSON - 12/7 1637-1729 big band mx, s/off w/Glenn Miller
	UNID		theme, mentioning serving Nashville. (TB-DC) 12/7 1730 s/off w/FF Oh Canada, wud this be maybe CFIX-
			Cornwall, ON? (TB-DC) Sure sounds like it, eh? (DS) BLUEFIELD - 11/24 1700-1715 Mutual nx, CW mx and local ads,
1190	WBDY	VA	BLUEFIELD - 11/24 1700-1715 Mutual nx, CW mx and local ads, s/off w/promo for WBDY-FM 106.3, no SSB. (KG-PA) 12/4
10.10			1715 s/off w/FM mention, no SSB. (TB-DC)
1240 1250	WIBU	WI AL	POYNETTE - 12/1 1825 weather then ID. (BJ-MO) WETUMPKA - 12/4 1655 mx then ID into AL state nx, not as
			good as heard in the past. (BJ-MO) MORRISTOWN - 11/26 1557 pounding in, almost in the clear
	WMTR	NJ	w/mx, old friend from my Brooklyn days! (ERC-MA)
1260	WNOO	TN	CHATTANOOGA - 12/7 1722 briefly w/black pearcher. (DS-DE) ERIE - 11/20 1700-1705 on top w/nx. (KG-PA)
	WIKK	PA	BRIE - 11/20 1100-1109 on top w/mx. (RG-IN)

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4 ,,,				TOTALDONE 44/64 4070 mand of mall of /TD local od (DZ NW)	•			(5)
127	(	CFGT	PO	HOLBROOK - 11/21 1930 good signal w/ID, local ad. (PZ-NV) ALMA - 11/27 2015 weak w/FF pop mx, o/u WXYZ. (TW-OM)	155	WBS(	C SC	BENNETTSVILLE - 12/10 1705 aton w/a program on how to use
	1	WTJZ	VA	NEWPORT NEWS - 11/23 1650-1700 w/jazz then s/off w/no		WRH	C FL	a can opener! (JS=OH) Did vou learn how? (DG)
	1	WMPM	NC	SSB. Call stands for "Tidewater Jazz." (KG-PA) SMITHFIELD - 11/24 1648 on top w/local ads. (KG-PA)		,		Paul does make a lot of noise, sometimes-hit (DS)
			TN	NEWPORT - 11/24 1650 CW mx, local ads. (KG-PA)	156		X LA	BATUN ROUGE - 11/25 1810 ID snatched out of noise (DV-WI)
. 120				COLUMBUS - 11/19 1744 weak u/WXYZ w/s/off. (JF-ON)(TB-DC) NEW ORLEANS - 12/9 2208 local nx, weather then tele-talk.	1500	WBOI WWGM	I TN	DULLVAR = 12/2 1/45 8/OII W/mention of 250 wette (wpm_bg)
120				POTOSI - 12/4 1700 ID on hour, "1280 Country" etc. (BJ-MO)	1570	UNII	D	12/7 1730 good w/s/off, mention of 2500 watts PSA never
129	00	WAGE	VA	LEESBURG - 11/25 1700 good w/s/off, no SSB. (EB-PA)				and IM, Closest Calls caught are WCLE or WCRT, who 2/DDW/ID)
		WKNE WKNE	WV	KEENE - 11/27 2000 on top w/ID. (TW-ON) LOGAN - 12/5 2158-2230 mixing w/needed WKNE w/rock mx,		WCLE	TN	
				frequent mentions of Logan. (TF-PA)	1580	WEYY	AT.	oregr cammer. Instr. 558. (RI-MO)
		WCHK	GA	CANTON - 12/3 1729 fair o/CJBK w/local ad, Xmas mx, no sign of pest WFBG. (WPT-DC)	1,000	WPME		PASCAGOULA-MOSS POINT - 12/1 1754-1759 end of local nr
131	0	WEEL	VA	FAIRFAX - 11/29 1830 The NVA Star w/ID, many ads, fighting	1590	WAIK	тт	then ABC inio nx. s/oif w/no SSR. (AO-NV)
		CHGB	PO	w/WGH for control of freq. (TW-ON) LaPOCATIERE - 12/5 2120-2140 FF talk, MOR mx. (TF-PA)	.,,,,,	WAIN	111	GALESBURG - 12/15 1721-1730 nicely atop w/MoR mx, local ads, Cosell sports, then s/off, mentioning studios in the
		WSLW	WV	WHITE SULPHUR SPRINGS - 12/1 1630 fair w/ID. CW mx.(JB-NY)		WVDC		MANTO VIIIARE MAII. STL CAII. NO SSR (DC-DE)
		WDKD.	SC	KINGSTREE - 11/24 1635 on top w/SC Net. nx. (KG-PA) MADISONVILLE - 11/27 1802-1830 w/local nx, sports, o/u		WXRS	GA	SWAINSBORO - 12/7 1730 good w/s/off, mention of power. (EB-PA) 12/19 1730 s/off weak u/WQIQ OC, no SSB. (DS-DE)
		иттр	V.I	WDOD. (JF-ON)		WQIQ	PA	Chester - 12/19 1/00 noted again on OC w/This on hour
		KADI		CLAYTON - 12/4 1704 MoR mx, ID then more mx. (BJ-MO) NEW MARTINSVILLE - 11/25 1702 caught s/off w/mention of		WJS0		montury maintenance check (DS_DF)
,133	0	WETZ	WV	regular and PSA power, fair signal. (EB-PA)				"A different kind of rock." Where's my werie for location
	. 1	WFBC	SC	GREENVILLE - 12/4 2110-2120 Top 40 mx and ID, frequent here				months report? Hi! ("F-PA) Keen your shirt on! OF is
				last year. (TF-PA) Still is here, a real pest! (DS) 11/27-28-29-30-31-32-33 1700 seems to be becoming a pest!	,			probably busy w/new fulltime CP, etc. Sent a v/l a few years back. If no answer soon, try Normal Thomas, Jr.
47		Lemen		(TW-ON) Just like some people I know-hi! (DS) (JF-ON)	-	WHPY	NC	VP/GM. (DS)  CLAYTON - 12/7 1643 good o/mess w/jingle/ad, then Pop mx.
134		WEKY	OH	RICHMOND - 11/17 1723 surfaced o/din w/"Total Nx Update." CINCINNATI - 12/6 1625-1628 o/WDRC w/"Tuesdays at Julies"		Tr - Tr -	110	AANOAO CIII =  2/  1900 8/011 W/no SCR (RI_MO) (PD DA)
427		LEDTO	37.4	thing. (BB-NY) How about Fridays at Zelda's??? (DS)	1600	WARU	IN	PERU - 12/8 1716 caught ID and partial s/off in WWRL break.
13° 138		WEIF WWKY		MOUNDSVILLE - 12/13 1657-1659 w/end of REL, then s/off.(BB) WINCHESTER - 11/17 1715-1720 "Grease" mx then local ad.(KG)	MIDN	GHT -	MIDI	DAY:
14		WGGM		CHESTER - 11/29 1631-1700 REL songs, ending w/#1 REL song	530	TIS	TN	KNOXVILLE - 11/19 0547-0554 Highway Advisory Radio fairly
				of the week, s/off w/no SSB. (ERC-MA) KELLY ANDREWS had to walk my report thru on this guy, Ernie. (DS)				order, lokkable Signal W/report on highway conditions in
		WING	OH	DAYTON - 12/7 1625-1643 Top 40 mx and requests, no sign of		TIS	TN	the Knoxville area, some Gatlinburg Info. Radio, interf.(KG) GATLINBURG - 11/20 0538-0558 Repeating tape w/info on
		WRIS	VA	WPOP/WDOV. (TF-PA) ROANOKE - 12/7 1700 w/detailed s/off, no SSB. (TF-PA)				Vaciationing and Vicinity, W/hearon NR and Vnoverilla mrc
				HARLAN - 12/7 1714-1717 triple header here tonite, detailed	5.40			Verie back mentioning 5 watts from 3 locations, 24 hour operation, no calls. (KG-PA) Nice catches, Kermit! (DS)
142	20	WEMB	TN	s/off w/SSB. (TF-PA) ERWIN - 12/7 1716 fair w/s/off, mentioning "we always like	540	KWMT	IA	FORT DODGE - 12/1 0318-0325 ET w/Cw mx, ID at 0325 then off. (JB-NY)
4.4		LITPE	1	to here from you." (JF/PRM-NJ) That's a neat pair! (DS)	550	WGGA	GA	GAINESVILLE - 12/3 0600 s/on w/lengthy annoth no con (mp)
14	0	WIRE	TM	INDIANAPOLIS - 12/10 1647 o/WVAM w/contest info and lawn chair ad. (EB-PA)	560	WFRB		FROSTBURG - 11/25 0600 s/on w/SSB very good o/WJLS.(JDB-OH) CHICAGO - 12/4 0255-0300 phone in show, ID then nx. (BJ-MO)
		WXKS	MA	MEDFORD - 11/22 1620-1630 w/Music of Your Life, closes w/		CJKL	011	ATTIMUM DAAD = 12/0 UUUG W/S/OTT W/ON Canada strong (TD)
14	10	WRBE	MS	Glenn Miller Theme, no SSB. (KG-PA) LOCEDALE - 12/1 1845 local nx, ID. (BJ-MO)	590			SELMA - 12/8 0201 noted on ET again. (TB-DC) (BR-NY) UNIONTOWN - 11/29 0019-0021 noted w/talk show, phone #, ID.
		WHIS	MΛ	BLUEFIELD - 12/7 1647 w/jingle/ID then Top 40 mx. (BR-NY)		MOM	NE	
14		KTHS WAKS	AR NC	BERRYVILLE - 12/1 1855 local nx and ID. (BJ-MO) FUQUAY-VARINA - 11/22 1705-1715 on top w/CW mx, ads, then	610	WDAF		12/0 0103-010/ W/nx enging, school closings due to we (DD)
141				s/off w/no SSB. (KG-PA)	640	WHLO	ОН	AKRUN = 12/2 U1U1=U1U/ good admidst WSM anlash w/a/afe
14'		WSRO WVOL	MA TN	MARLBORO - 11/21 1605 fair in mess w/UPI nx then ID.(JF-ON) BERRYHILL - 11/28 1740 soul mx and ID on good opening to	660			disclaimer, "Newstalk 64" ID, no SSB. (MPB-DE) (DS-DE) NEW YORK - 12/9 0113 POP in progress, that's a TUESDAY AM!
		WIIII	TN	that state. (BJ-MO)	690	WTIX	LA	
		TUHW		ANDERSON - 12/4 1715 ad for local car dealer then ABC Business nx. (BJ-MO)				complete w/Star Wars type ID then Top 40 mx. (BJ-MO) COFFEYVILLE - 12/9 0100 giving wx/temps, fair in CBF(RB-PA)
		KWSL WINH		SIOUX CITY - 12/4 1720 caught on return w/no WHUT.(BJ-MO)	740			
			SC	GEORGETOWN - 12/7 1715 tentative w/s/off, mention of 1000 watts,American Mx. (PRM/JF-NJ)	710		ON	then ID and Top 40 mr (PV-WT)
,			VA PA	TAZEWELL - 12/3 1705 ID noted in din. (RB-PA) (RB-P ALLENTOWN - 12/4 1705 local nx and weather, first time hear	740	KRMG	OK	TULSA = 12/1 0200-0215 TD then UPT n= Man == 1/2==3
148		XAMW		GRAND RAPIDS - 12/15 1705 atop w/male/female annc'rs w/nx.				Livingston, KTRH always audible w/them. (BJ-MO) 12/2 0120-0200 alone w/tele-talk, UPI nx on hour. (MPB-DE)
		WJLE		"Newsradio WMAX" ID, good signal. (DS-DE) SMITHVILLE - 12/5 1729 fair w/s/off tentative w/female.		UNID		
			,	partial copy on call. (WPT-DC)		UNID		looped NE/SW. Anyone catch this? (RP NY)
152		WKMG WREA	TN	NEWBERRY - 11/28 1710-1725 alone w/many local ads. (JF-ON) DAYTON - 11/27 1731 very weak w/s/off, giving address of	750	WBMD	MD	BALTIMUKS = 11/28 U64/ S/ON W/SSR weak n/WSB and WID and leak
				station then Instr. SSB. fairly new station. (JF-ON)	790	UNID		then into REL. (JDB-OH)  Faded up for quick "7-90 CKMW" ID then gone, did I miss a
		WTGR		MYRTLE BEACH - 12/7 1711 saying "see you tomorrow at 9:30" for DJ then promo, very good. (PRM/JF-NJ)				
		WARR	NC	WARRENTON - 12/7 1659 fair w/s/off and no sign of WKRW (PD)	810	WGY		the old CHIC. Am I correct? (DS)  SCHENECTADY - 12/8 0007 very weak nulling others, MoR mx,
				11/26 1645-1650 way o/WKBW w/ads for Warrenton, Greensboro, (NC) and Emporia (VA), must have very good coverage!(KG-PA)				
153	30	WRBX	NC	CHAPEL HILL - 12/7 1659 s/off u/WCKY. (BR-NY)	(Black			silent this AM, although probably not a regular SP. (AQ-NY)
154	10	WKIE	VA	RICHMOND - 12/10 1701 w/s/off, no SSB. (JS-OH)				WAIN WMOC
								FM96.3
								AND AND

						•	
(i) 850	WO #	<b>70</b>	DENVER - 12/2 0210-0236 o/usual WHDH w/call in talk show	40.40			$\sigma$
850			and foster parents PSA. (MPB-DE)	. 1240		PQ	w/CKRN-1400. (JF-ON)
910	WHDH		BOSTON - 11/29 0820 rather weak, 2nd time heard ever.(JB-NY) NEW BRITAIN - 12/1 0330-0340 o/WSBA/WRNL w/nx then oldies		WEDO	IL	CHICAGO - 11/21 0215-0230 good w/SS mx, SS ID by female, English ID by man. (JF-ON)
. *	WGBI	PA	and newies mx (MoR). (KG-PA) SCRANTON - 11/24 0554 weak ID u/CHRL and others. (JDB-OH)		WNBZ	NY	SARANAC LAKE - 12/10 0159 caught end of ET w/mr. first(EDC)
	WICS	LA	BATON ROUGE - 12/2 0111 phone-promo for "WLCS is my favorite radio station." (PK-WI)	1250	WSDR	IL	time heard since 11/12/37, then on 1290 w/100 watts day! STERLING - 11/27 0506 fair w/local nx, ID. (BJ-MO)
920	WSBA		YORK - 12/2 0115 clear ID heard several times in din.(PK) SAULTE ST. MARIE - 12/15 0042-0049 w/local ad then LP	12,00	MINE	PA	PITTSBURGH - 12/8 0212-0259 RT w/BFL mx, wasted all of 47 minutes here on this. (BB-NY) Maybe WTAE was running OC.
			review. Does he verify? Hope so! (BB-NY) Used to. (DS) JACKSONVILLE - 11/28 0200-0207 weak in WKY null w/nx, ID. (BJ)	1260	WNDE	IN	INDIANAPOLIS - 12/15 0024-0027 Contact tele-talk show. PSA
930	WJAX WGNT		HUNTINGTON - 12/2 0250-0307 w/pesky WBEN not showing,		WLKK	PA	ERIE - 11/28 1123 like a local way o/while (TR my)
			"Tri state" ID then NBC nx. (MPB-DE) More a pest than WBEN, I think-hi! (DS)		WILD	FA	game broadcast. (JB-NY)
	CKNS	ON	ESPANOLA - 12/7 0252-0310 above all others w/CKNR audio, triple ID then spot for local car dealer, then faded.(PH-PA)	1270	WCBC	MD	CUMBERLAND - 12/8 0115 tentative w/BFL/EZL fare, CBS nx on hour u/wxyz w/Canadians off. Runs Larry King thru the
950	KPRC WBBF		HOUSTON - 11/28 0208 s/off w/male choir SSB. (BJ-MO) ROCHESTER - 12/1 intermittent TT 0100-0210, then off and	1280	WGSO	Τ. Α	week. rough here. (kRC=WA)
	WIBX	NY	back on w/ET, rr, 0317-0330+. (JB-NY) (JB-NY) UTICA - 12/1 0300 u/WWJ w/ID just before nx,w/WBBF off.	.200			NEW ORLEANS - 12/8 0141-0200 tele-talk w/ID at each call, couple of PSA's. (BB-NY)
	WPEN		PHILADELPHIA - 12/1 0300 weak w/ID about 20 seconds after WIBX just before Ae nx. (JB-NY)	1290	WATO	TN	OAK RIDGE - 12/8 0558 briefly aton w/s/on SSR (IS-OT)
970	CBZ	NB	FREDERICKTOWN - 12/8 0433 surprisingly on top w/marine	1310	WERE KNOX	ND	GRAND FORKS - 12/3 0016 fair n/WSS.I w/tingle slogger
98Q	CFPL	ON	wx, tide info, Maritime Fishing Nx, 1st time here. (JS-OH) LONDON - 11/24 0200 on top of CHEX/WONE w/POP mx, w/annct.				Fr. (JB-NY) Anyone know if their f/o is still elime (/Rg)
		,	for the All Night Show on FM-96. (KG-PA) 12/1 0022 good w/pop mx, stereo ad, w/WTRY off. (AQ-NY) 11/27 0420		WNAE	PA	WARREN - 11/28 1132 strong w/remote from store then Diana Ross record. (JB-NY)
	UNID		ID and local mentions. (BJ-MO) 12/1 0010 w/AT40, Contest promo (Treasure Towns Trip To		WTLB KAAM		UTICA - 11/28 1156 on ton w/wx. (JR-NY)
			Florida), no ID's. Per phone calls, not WILK or WFHG. Who? (AQ-NY) CKGM, Al. (DS)	1320	WICO		DALLAS - 11/27 0205-0213 end of AP nx, editorial, "K Double AM" ID again. (BJ-MO)
	WAZS	SC	SUMMERVILLE - 11/24 0624 briefly in WONE null/fade w/temp. check then CW mx. (PK-WI)	1 )20	CFGM		RICHMOND HILL - 12/8 0430 OC then TD mentioning RT then
			BRISTOL - 11/24 0718 wx then local ad. (PK-WI)	1330	WESR	VA	TASLEY - 12/6 0604-0608 s/on w/SSR mention of 103 3 PW
990	WITY		DANVILLE - 11/24 0742 local ad then jingle and wx. (PK-WI) ROCHESTER - 12/8 0456 on top of WNOX for the 1st time.	•			local nx. On PSA of 398 watts? (TF-PA) Probably was. Hope you sent a prepared card 'cause that's the only way
	WNOX	TN	"Winner" and the new 9-90, WNYR" ID's, CW mx. (JS-OH) KNOXVILLE - 12/1 0040 Top 40 mx, "99 WNOX" ID's, atop		WEBO	NY	he'll verify! (DS)  OWEGO - 12/6 0638-0645 community calender items, ads.(TF-PA)
			freq. (AQ-NY) 11/30 0150-0205 briefly atop w/mx, usually u/CBW. (BJ-MO)		WFBC	SC	TABLET TIPLE - 12/10 Uloo noted in massing w/s/on mention
	CBW	MB	WINNIPEG - 11/30 0150-0205 Identities program, CBC nx, wx, then s/off w/Oh Canada, natch. (BJ-MO) Well, what did	1340	VT.RV	πv	ing "off the air for the past couple of hours" for transmitter/antenna work. (DS-DE)
1000	WCFL	İL	you expect? Sunrise, Sunset? (DS) CHICAGO - 12/8 0230 loud ET here turned out to be they,	1740	CKNR	ON	LUBBOCK - 11/28 0304 w/soul mx, ID. (BJ-MO) ELLIOT LAKE - 12/7 0024 weak w/ROK mx, checked CKNS-930
			playing Queen LP. Not used to hearing this on CFL ET's.(JS) HUNTSVILLE - 11/28 0722 nice ID, weather w/female DJ.(JDB)	4750	CHAD	PQ	AMOS - 11/19 0243 good w/FF MoR mx. equal w/CVPN-1400
1060		A.U	12/8 0100 while looking for WHFB, playing Dixieland stuff	1550	WINY	CI	power of 440 watts. (TR-PA)
	WHFB	MI	(Tiger Rag). Who? (TB-DC) BENTON HARBOUR - 12/11 0100 loud u/KYW w/ET w/long spoken				NORWALK - 12/6 0610-0616 travelers weather, local nx, all over semi-local WHWH. PSA power of 438 watts? (TF-PA)
1080	KRLD	TX	ID's, some mx noted. (DS-DE) DALLAS - 11/24 0230-0300 excellent signal w/CW mx, WTIC	1360	WEBB	MD	BALTIMORE - 12/7 0640-0704 Fire and Brimstone Preaching, w/Mother Brown from Guiding Light Temple. (TF-PA)Cool!(DS)
1100	WWWE	ОН	was off. (KG-PA) CLEVELAND - 12/8 0208 noted off in passing but back at	1400	WSGA	GA	SAVANNAH - 12/13 0003 good indicater of AU cx, atop din w/ID, rr. Loud. (DS-DE)
1130	CKWX	вс	0245 w/mx. (JS-0H) VANCOUVER - 12/6 0301-0310 Loud, on top of freq. w/"W-X		CKRN	PQ	ROUYN - 11/19 0350 on top w/FF MoR. also beard w/twins
1140			News, spot then CW mx. (NZ-NE) 11/23 0028-0100 TT noted, off w/no ID. 11/23, same time,	3	WSJM		ST. JOSEPH - 11/21 0100-0200 w/ET. periods of TT. CW my
			except w/female vocal LP. Again, 11/28 0125-0138 and on w/TT. Loop bearing same on all three, so this may have		WNEX	GA	MACON = 12/8 0001 fair aton nile w/g/off no gon (upg ng)
1150	WIAW	TΧ	been the new WRNA running ET's per Steve Ponders' rpt?(ERC) CORPUS CHRISTI - 11/27 0439-0443 fair w/ID then CW mx. (BJ)	* *	MARIT	AW.	about Ch'ville. (RR-NV)
	WABH		CHURCHVILLE - 12/5 0642 w/slogan, "The more you hear it, the more you hear in it." (TB-DC) Never heard here so I	100	WMBC KTEM	TA	COLUMBUS - 11/29 ID 0400 then into nx. (BJ-MO) TEMPLE - 11/27 0215 atop pile w/ID. (BJ-MO)
	WTYC	90	guess I'm not missing much-hi! (DS)	1410 1420	WLAU	LTA .	ROME - 11/29 0340 CW song then ID "Right here in Rome"(BJ) DUBOIS - 11/28 1115 very strong w/nearby WACK w/reports
1170	WWVA		ROCK HILL - 11/24 0559 s/on fair u/WIMA, no SSB. (JDB-OH) WHEBLING - 12/7 noted off 0045, which is early for them,	1440			
1220			old friend KVOO breaking thru at times. (ERC-MA) CLEVELAND - 12/8 noted off or on OC most of AM. (JS-OH)		WAJL	FL	PORTLAND - 11/27 0559 good w/AM/FM s/on. (JBB-OH) WINTER PARK - 12/8 0027 fair u/WGIG w/TT, ID. (WPT-DC) BRUNSWICK - 12/8 0012 0027 biv/winter broken to the company of the
	CHSC		ST. CATHERINES - 12/8 in WGAR absense, noted above others on channel. (JS-OH) He can't read a clock, folks! (DS)		u I u	UA	mx. (WPT-DC) 12/16 0040 noted on FT w/OC TD GW
1230	WJNO WCRO	FL PA	WEST PALM BEACH - 11/27 0159 atop w/cw mx. (ERC-MA) JOHNSTOWN - 11/28 0922 on top w/rr. (JB-NY)	1450	KLMX	NM	CLAYTON - 12/6 0209-0220 f/o w/mm
	KOZI WBOW		CHELAN - 12/8 0600 relaying WBBW splash. (JS-OH) TERRE HAUTE - 11/27 0500 ID then Ac nx. (BJ-MO)		MCTC	NJ	NEW BRITISWICK - 12/15 0127
	WBOK		NEW ORLEANS - 11/28 0222 w/ID only thing noted. (BJ-MO)	*	WMFJ	FL	DAYTONA BEACHE - 11/27 0215-0224 in/out of din w/ID. (BJ)

<u> </u>						
1460	www.g	NY	ROCHESTER - 12/2 0037-0110 finally bagged w/preacher, call in faith healing u/WOKO/WCMB. No sign of CKRB.(ERC)	RM-CT EB-PA	Ron Musco, Winsor, CT	Various HQ's, LW
1470	WBIG	NC		BR-NY	Eric Breon, Middletown, PA Bill Regan, Syracuse, NY William P. Townshend, Wash., DC	TRF, BCR101 Superadio, TRF
1480	WKND			IH-MI BB-NY	Ian Harris, Milan, MI Bill Bergadano Staten Island NV	TRF RF2200
1490	KOIN	ГA	HOUMA - 12/8 0212-0215 fair w/CW mx, ID, w/my local NSP'er off for once in a blue moon! (NZ-NE)	JF/PRM- NJ	Paul Mount at Joe Fela's, S. Plainfield, NJ	GY100 - D. M.
1500	CKAY	BC	DUNCAN - 12/8 0240-0302 fair u/KSTP OC w/MoR mx, female DJ, ID and news on hour, best catch so far this season!(NZ)	AQ-NY PZ-NV	AI QUARILETI. Albany. NY	SX100, Radio West Loop SP600JX, 4' Loop
	WLQV	MI		TW-ON BJ-MO	Paul Zehr, Ely, NV Tom Williamson, Guelph, ON Bob Jinkerson, DeSoto, MO	DX160, 90' LW HQ180, SM2
	UNID		12/8 on all AM w/TT of varying pitch, o/WLQV. No ID hoid, help? (ERC-MA)	KG-PA ERC-MA	Kermit Geary, Walnutport, PA Ernest R. Cooper, Provincetown, MA	TRF HQ180, LW
1510 1520	CKOT WKBW		TILLSONBURG - 11/28 1105 strong w/weather. (JB-NY) BARFFALO - 12/18 off again this AM, has been off after	HY-TN	Howard Young, Kingsport, TN	HQ180, R390, LW, Loop
			0100 about 4 days a week lately. (DS-DE)	PH-PA	John Buehler, Toledo, OH Peter Hunn, King of Prussia, PA	FRG7, Sanserino Loop
	WGOR	ОН	TOLEDO - 12/8 0230 noted between WKBW OC ending religious program and requesting donations. (DS-DE)	TV-WT	Paul Kowalski, Milwaukee, WI Jeff Falconer, Clinton, ON	Mod. 11000, Radio West
	UNID		12/8 0240 very weak TT noted o/WGOR/WKBW OC. (It wasn't WCHE!). (DS-DE)	RD-PA	Ray Barno, Portage, PA Who'd you expect, Frank Perdue?	51J4, SM2 /Loop HA600A, 75' LW
	WTRI	MD	BRUNSWICK - 11/26 0655-0700 w/oldies, ID on hour, thru WCHE. (KG-PA)			HQ180, TRF, SM2
1530	WCKY	ОН	CINCINATI - 12/8, 12/15 noted on both MM's w/public affairs drival. I'll take WTTI's ET's ANYDAY! (DS-DE)		d get me! I'm ready for the wagon til The WLGN-FM-AM	
			GLIANT. T.II CAVA HILL S DI S MAIDAL: (DS-DD)		WLGN-FM-AM A 7318 & Good D	V 1

WLGN-FM-AM P. O. Box 429

LOGAN, OHIO 43138

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to Ohio's Scenic Wonderland

73's & Good DX!

fm 103.7 (R)

Verification from Gatlinburg (TN) TIS station, 530 khz from Jeff Falconer, Clinton, ON



This card verifies that Jeff Falconer, Clinton, Ontario heard the travellers information station of the Gatlinburg, Tennessee Chamber of Commerce on November 16, 1980 from 2,00 AM to 2,30 AM, EST.

# TECHNICAL INFORMATION

Call Letters. Gollinburg Intimation

Frequency: 24 hrs. - 5

Power: 5 watts.

11/2/Jesign

PLAN NOW!

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TERRY A. KLASEK

9720 VICKIE PLACE

ST.LOUIS.MISSOURI

63136 U.S.A.

This column is going out a day early, home from work with the flu helped get this together a couple of days early, in fact. Again, I had to drop a few items from the first part of November which would be almost 2 months old by the time they got in print. Next column should just about catch up all from the holidays.

LAPEER - 11/28 1116 fair w/WKBW splash. (JB-NY)

classical stuff. (DS)

after XEMD s/on. (PK-WI)

signal. (BB-NY)

on f/c? (DS)

Cincinnati. (JS-OH)

FARGO - 11/25 0305 Stereo 98 and AM ID, rock mx. (PK-WI)

stop classical mx. occasional ID's. (PK-WI) Did they

ST. JOSEPH - 11/24 0112 seems to be playing a lot of non-

change format? Was Top 40 last season, KKHI was playing

MIDDLEBORO - 12/8 0403 noted on ET w/rr, ID at end. (ERC-

check, weather and ads, on 360 watt PSA per verie. (KG)

CAMP LAJEUNE - 11/23 0150-0223 ET w/repeating mx and ID.

tremendous signal. (KG-PA) was loud on start-up ET's, but prayers didn't bring my verie yet! (DS)
MORNINGSIDE - 12/10 0653 noted on RS early, either PSA

or reduced power, normally wipes out 1510-1600. (TB-DC) BEACH GROVE - 12/4 0230 o/u WAKR w/nx, ID "Reaching Out With the Beacon of Love." (BJ-MO) 12/15 0233-0235 in briefly w/REL, then gone to WAKR. (BB-NY) PLATTEVILLE - 12/15 0100-0108 on AXR ET, giving phone # and asking for reports. (BB-NY) 12/8 0115-0120 noted

SWAINSBORO - 12/8 0034 ET w/CW mx. (TB-DC) Time change

CARNEGIE - 11/29 0559 strong at s/on, no SSB then REL.

for ID but definitly there, loops same direction as

CINCINNATI - 12/1 0117 very weak w/parking instructions, travel info., weather. Glad to catch this bird! (AQ-NY)

11/23 0200-0300 strong at times w/rr, female DJ, but low modulation level, looping SW/NE, Detroit area? (JF-ON) 12/7-8 noticing another TIS station u/WXT613, not enough

loud on ET of TT, OC, ID's and rock mx. (NZ-NE) He might be a good one for a CPC letter, no? (DS)

12/8 0312-0403 no waste of time, ET w/rock mx, good

WESTFIELD - 11/26 0600 w/one-sentence s/on, nx, time

COLUMBIA - 11/25 0155-0210 ET w/TT, ID's. In clear

MA) 12/8 0336-04031oud w/rock on ET, ID at end. (JS-OH)

#### THE BIGGEST TURNOUT YET !:

WDEY MI

WFXY KY

WLDM MA

KTGR MO

WJIK NC

WPGC MD

WNTS IN

WSWW WI

WXRS GA

WPLW PA

1610 WXT613 OH

PIRATE

UNID

KQWB

KKJO

1550

1560

1570

1580

Andy Rugg, Ile De Soeurs, PQ Jerry Bond, Rochester, NY RUGG-PQ RCA86T, Superadio JB-NY TB-DC Tom Bull, Washington, DC HQ180, Loop Tony Fitzherbert, Chalfont, PA DX60, LW TF-PA Neil Zank, Lincoln, NE HQ180, 2' Loop NZ-NE Mike Battaglino, Newark, DE MPB-DE JS-OH Jerry Starr, Huebard, OH HQ180. Looped

CHUCK HUTTON P.O. BOX 2087 DECATUR. GA 30030 (404) 633-1198 BEFORE 2300 ELT

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

575 582.6	COSTA RICA TIRN R. Nacional w/opera 0338 12/14. (Swearingen) UNID a weak carrier has been noted here around 0200 recently. No ideas. (Thomas)
600	CUBA Havana w/Radio Moscow relay 0308 12/14 w/usual bazonga dom nating the channel. (Swearingen)
612	MOROCCO Sebas-Aioum loud w/man in AA annihilating WGIR 2148
615	UNID very poor and rare carrier gere 0205 12/2 but soon faded.  HCMJ1 reportedly occupies this channel but its listed 50 kw
	must be pointed the other way. (Thomas) I don't think they are
	50 kw now-when they announced their news (50 kw) several years
-	ago they were briefly strong but quickly returned to their old weak level. They are definitely still here by the way-CH
640 .	GUATEMALA LV de Guatemala atop the channel w/fanfare ID and chimes 0600 11/30. (Thomas)
640	NICARAGUA Managua good w/mention of Sandahistas and with either YNSDR or YNFDR calls 0605 11/30. (Thomas)
6h2	UNID het 12/8 0030. Gone by 0115. (Krueger)
645 655	EL SALVADOR YSS 0311 12/14 w/Latin vocal with Star Wars sound effects. Strong at S6, WSM S-7. (Swearingen)
655.7	UNID weak carrier hetting YSS-655 at 0408 12/4. There's an HC
•//•1	Histed on 656 which is a possibility given tonight's xlnt SA cx. (Thomas)
657	UNID NE carrier here 0730-0740 but disappeared before 0800 11/
971	15 with A index at 8. Positively not NZ! Did fing 2YC beginning
	to deliver audio after 0900. NE carrier found again 11/17 0429
	with A index at 15. By 0729 and 0741 found this NE carrier was
	best with the loop at zero degrees, due north, making me think
	of Murmansk which has been haunting me for years. Nothing on
	the freq from the NW both of these times. Coincided with extra
	fine reception from WNBC. Other NE carriers found same morning
	were 693 at 0436 and 1566 at 0451 but no others noted. (Martin)
657	UNID probably Morocco-potent het but too much WNBC to pull audi out of the car rx 2238 12/12. (Connelly)
660	MEXICO calls itself XERCM not XERPM as I hear it, features "La Musica del Tropico" rather than usual MoR US stuff it was using
	a year or two ago. Still has s/off at 0800. For letter no. 4 in
	the call it has been Say instead of Pay for many months. (Marti
665	RL SALVADOR San Salvador YSS R. Nacional old standby in with a
675	EL SALVADOR San Salvador YSS R. Nacional old standby in with a good signal 0115 12/8. (Krueger) COSTA RICA TIJC R. Sonora ID on 11/21 around 0455. (Krueger)
015	Good at 0945 12/7 w/upbeat mx. Is supposed to s/on 1100-now AN?
	(Thomas) Yep and has been for a number of years-CH
693	ENGLAND Droitwich, per Neil Kazaross 10/3 this freq is a Radio
0,5	Two outlet and on 24 hours. Neil probably heard a Radio Three
	promo, Radio Three is on 1215 KHz and VHF w/s/on 0655. (Vernon)
700	JAMAICA Montego Bay 12/9 0100 Radio One ID and a mention of Jam
100	aica and Montego Bay in the jumble. (Krueger)
702	MOROCCO Sebaa-Aioun poor w/AA moaning in bad WRKO slop 2120
102	12713. (Connelly)
711	12713. (Connelly) FRANCE Rennes in w/huge signal, sometimes reducing WOR to a het 2227 12/15; man and woman in FF. (Connelly)
711	INTO pipping hat reducing WOR to useless level 2255 12/11 Mon
(11	UNID ripping het reducing WOR to useless level 2255 12/11. Man talking; it sounded more like AA than FF-maybe Morocco instead of France. (Connelly)
714	UNID LA mystery here 1015 11/16 SunM and up to about 1055 befor
114	its local SR took it away. Relevant factors are that the CA's
	on 725 and 675 are still coming in around 1130-1140 so it is
	somewhere east or south of them. Station must s/on at 1000 and
	its audio is poor, on the tinny side. Taped it at 1030 but the
	SS voice is unreadable. It looped due south near as I could
	tell. (Martin)

720 CUBA fading in and out over strong WGN 12/9 at 0502. Mx and SS ID "Radio Habana Cuba". Is CMGN Colon being used as a Radio Habana Cuba relay? (Arey) Many high powered stns do this-CH PORTUGAL Norte-Azurara fair (alone on channel) w/light Alpine 720 style instrumental mx 2122 12/13. Good w/fado (plaintive PP vocal mx) 2149 12/13. Somebody on 719 noted as a weak het. (Con) 725 SURINAM Paramaribo SRS xlnt w/slow male vocal ballad 2225 12/5. (Connelly) 743 UNID fair carrier, no audio, hetting another UNID on 744.3 at 0410 12/4. (Thomas) 744.3 UNID poor carrier here 0218 12/2 and most other nights w/occasional bits of SS male vocals but no ID. (Thomas) 747t HOLLAND avant-garde jazz briefly good, eventually lost to slop 2244 12/8. (Connelly)

747 JAPAN JOIB Sapporo was in with strong carrier at 0652 11/17, my earliest yet for this no. 1 JO at my location. NHK pips heard at 0700 and noted again at 1300 same morning. No Aussieor NZ signals were found that morning and other JO's noted were only carriers, 891 at 1117, 1008 at 1151, 1017 at 1153, 053 at 1156, 793 at 1236 and 666 at 1239, plus South Korea poor at 1208 on 1566. (Martin) 750

VENEZUELA YVKS Caracas good w/syrupy 30's style instrumental to and Caracas ID, SS vocal 0050 12/11. Cx slightly auroral at the time. (Connelly) Very good o/WSB w/EE rock mx, SS ads, very few ID's 11/21. (DeLorenzo) UNID some kind of beacon, "FR" in code with continuous tone detected otherwise 12/13 2134 (mid-afternoon here). First detected

on HQ-180, loop with CW switch on; not audible on USB. Any ideas? (Swearingen) 756

PORTUGAL Lisboa to good peaks w/slow religious sounding choral mx and funeral dirge 2350 12/3. xlnt w/cl mx then PP talk 2254 12/11. (Connelly)

WEST GERMANY Braumschweig good w/Latin Christmas hymn "Gaudete" then pop-rock 2223 12/15. (Connelly) 756 760

COLOMBIA HJAJ LV de Barranquilla good o/WJR w/ID "Radio Suceso, RCN" followed by SS ballad 0902 11/24. (DeLorenzo) 765 SENEGAL Dakar loud w/FF talk 2227 12/9. AA style violins then

FF talk by man 2208 12/13. (Connelly) Usual s/on beginning with a tone at 0553. The harp-like instrument began at 0556. Bad splatter knocked out the signal until 0607 at which time chanting could be heard. (Krueger)

770 COLOMBIA R. Tequendama, Bogota 0700 12/11 with good signal, pop mx, mixing with another LA. (George)

SPAIN synchros good w/SS talk, potent het on WABC 2230 12/9. SS talk loud o/usual fast SAH 2225 12/12. (Connelly) 774

775 COSTA RICA R. Uno 0341 12/14 w/mixed SS mx. (Swearingen) 0430 11/28 nice signal with Paul Simon and several Radio Uno ID's. (Krueger)

UNID LA whipping ferocious het on usual Cuba/WBBM 780. The lowside LA had boisterous SS screaming and frequent use of reverberation but no definite ID was extracted; this heard at 0121 on 12/4 and on some other nights as early as 2230, (Connelly)

BRITISH VIRGIN ISLANDS Roadtown ZBV1 very good w/nx in Caribbean EE 2225 12/9. XInt, totally atop channel (bothered only by Portugal 782 het and the mystery LA on 779.8): ID "ZBV1 Tortola" then fast paced instrumental reggae mx 2330 12/11. (Connelly) 780 Alone with local ads, Paul Simon mx 2153-2156 12/3. Hrd on car radio at beach in S. Yarmouth. (DeLorenzo)

810 COLOMBIA HJCY Bogota dominant w/tropical mx.steel drum band then SS talk giving Bogota QTH; CJVA/WGY aurora-ed out 0043 12/11. (Connelly)

814.1 UNID weak carrier detectable after the HC-815 s/off 0503 12/2.

815 ECUADOR finally can assign a country to this long-standing mystery unid. Noted w/HC NA and R. ??? 92-3 sy;;ables) at 0503 12/2 s/off. Audio is very undermodulated so a complete ID is going to be tough. On past usual 0500 s/off 12/14 w/festive mx and severely undermodulated male. (Thomas)

819 MOROCCO Rabat loud and alone on channel w/male group AA chanting 2150 12/13. (Connelly)

820 CUBA 12/9 0500 s/off with a CMCA ID. Very good sig. (Krueger) 825 ST. KITTS strong at 0223 12/14 with preaching but faded almost below WBAP slop by 0230. Back at 0314 o/presumed Tatania. (DeLorenzo) Makes it well almost every night; heard at 2227 on 12/1 w/a religious dramatic presentation. (Connelly)

828 UNID het on Paradise-825, probably Morocco but weaker than 819.

- 830 DOMINICAN REPUBLIC Santo Domingo HIJB loud, atop YVLT w/SS vocal pop mx, HIJB ID 0030 12/11. (Connelly)
- 830 VENEZUELA YVLT R. Sensacion good o/WCCO w/SS ID, instrumental mx 0920 11/24. (DeLorenzo)
- 834 BELIZE Belize City superb at 1210 12/7 s/on with info in EE and SS. (Thomas) 0350 12/14 w/rock mx, usual low modulation, slow fades. (Swearingen)
- 835.5 UNID pretty good (in fact best ever) carrier here 0055 12/3 but audio covered by Belizs. HC's good tonight so HCCE1 a maybe.
- UNID AA mx poor in severe WHDH buckshot 2253 12/11. (Connelly) DOMINICAN REPUBLIC HILR R. Clarin 1&c, alone w/TC, ID between 2 SS ballads 0937 11/24. (DeLorenzo)
- 882 ENGLAND Washford BBC xlnt w/Christmas mx, often equaling WCBS strength 2220 12/15. (Connelly)
- MONTSERRAT Plymouth ZJB fair w/light mx, strongly hetted by BBC 882 2251 12/11. (Connelly)
- 885t HAITI at 0300 12/11 heard in FF w/male and calypso and reggae mx.
- 891 ALGERIA Algiers good, bery clear in peaks w/AA vocals, violin/ drum instrumentals 2139-2149 12/3. Hrd on car radio at beach in S. Yarmouth. (DeLorenzo) At local level w/slow AA discussion by woman mentioning Beatles, apparently a report on the murder of John Lennon 2235 12/9. Rattling the car radio speaker w/female AA singing 2252 12/11. Smashing in w/AA singing and banjo-like
- accomaniment 2125 12/13. (Connelly) GUATEMALA Puerto Barrios TGMA 11/14 nice "Amatique" ID at 0350. 900 also at this freq I am hearing a "Radio Centro". Ideas?
- (Krueger) Nope-CH SURINAM Nieuw Nickerie RANI fair at 1002 12/7 w/weird mx. (Thomas) MEXICO XEQ 12/4 at 0758 with ID and Mexican mx and s/off at 940
- 0800. In very good w/Cuban Reloj partially nulled. (Kowalski) FRANCE Toulouse poor w/woman in FF 2152 12/13. (Connelly)
- COLOMBIA Magangue mixed w/WFGL; fast SS talk w/Sutatenza and 960 Colombia mentions 0130 12/4. (Connelly)
- ECUADOR Guayaquil w/"Frequencia Mil" ID at 0510 11/28. (Krueger) 995 12/8 poor to fair in fade-ins at 0715, during a piece of mx anner broke in with a "Frequencia Mil-Mil", the second Mil echoed back into the song. (Krueger)
- UNID het often noted during North African dominated cx but always 999 too much CFLP/CKBW/LA-1000 QRM at sunset for audio; het particularly strong during Africa-only cx at 2140 12/10. (Connelly)
- UNID Nicaragua suspected because of mentions of Managua. Some 1000 stn is ID'ing as Frequencia Mil here also. (Krueger)
- ENGLAND BBC fair waman in EE through WHN slop 0617 12/3. (Connelly) COLOMBIA Espinal 12/8 0303 "LV del Centro" ID, rough copy because 1055 of static. Checked back at 0415 and they were really rolling in.
- PORTUGAL Norte-Azurara loud w/cl mx, overwhelming CJRP 2126 12/13. 1062 New England DX'ers should log this before WGTR goes fulltime.
- VENEZUELA YVMA Maracaibo good w/Mundial Zulia ID t/WIBC w/CBA 1070 nulled 01L7 12/L-hetted by HJAG about 100 Hz low. (Connelly)
- COSTA RICA San Jose Faro del Caribe in and out 1100-1115 12/7 1075 w/SS male. (Thomas)
- COLOMBIA SS LA way u/WTIC; it seemed to mention CARACOL net 0042 1080t 12/12/ (Connelly)
- HAITI 4VRD Port-au-Prince noted w/soft-spoken man and woman in FF o/u SS LA w/WTIC nulled 0152 12/4. (Connelly)
- 1080.3 UNID SS talk, fierce het on WTIC; audio of the LA (received in the 1. KHz selectivity position) was too mushy for a good ID 0224 12/4. (Connelly) LV de Monteria-CH
- COLOMBIA HJBC Cucuta through WBAL OC, o/BBC 1089 het: "El Reporter CARACOL" was yelled out several times in the style of a newsboy yelling "Read all about it" 0534 12/15. (Connelly) 1090
- COLOMBIA HJAT Barranquilla loud w/SS ads, jingles, shouting, way atop second SS LA 0142 12/4. (Connelly) 12/8 in xint at 0644 with hot SA mx and many TC's and ID's. (Kowalski) 1100
- 1109.5 UNID HJAG? 12/4 het noted from stn slightly below WET, LSB provided fair audio and reception from a stn mentioning Colombis and giving TC's. At 0856 anner said an excited "Atlantico". Untimely fades prevented ID. IDXD has Atlantico on 1070 10/24 so I dunno! (Kowalski) Atlantico on 1069.8 as of 12/19-CH

- 1110 VENEZUELA YVQT Carupano dominant w/Caracas telehone numbers. Banco del Caribe ad, Carupano and Venezuela mentions, ad for "Zulia-La Cerweza" 0201 12/4. (Connelly)
- 1116 UNID sounded more like SS talk than expected AA from Morocco or II from the Italian, poor o/a cluster of SAH's 2250 12/11. (Connelly)
- 1169 UNID het, someone still on this old channel 2250 12/11. (Connelly) 1175 UNID fair w/moderate LA mx and long male SS monologue 12/7. NBC Tike chimes at unreadable TC 1014. One partially readable ID at 1030 which sounded like "Radio Villa, La Voz de Bah-STEE-yah Nacional: Gone for good at 1040. (Thomas) It's an Ecuadorian
- per anthem heard at 0400/0500 s/off-CH 1197t MOROCCO man and woman in FF 2222 12/5. FF talk. fair 22h9 12/11. To good peaks w/Police mx then FF talk including telephone calls from listeners-format similar to that of 1044, 2145 12/13. Receptions were from the car so I'm not sure if on 1196 or 1197. (Seems 1197 to me-CH) This should be easy for East Coast DX'ers between 2100 and 2200: 1200 is pretty much vacant at the time and slop from CHTN/WOWO (oops, make that WLIB-CH) before WOWO fade-in is the only possible problem. (Connelly)
- 1205 CAYMAN ISLANDS R. Cayman 11/11 0217 nice signal with Caribbean mx. (Krueger)
- 1206 FRANCE Bordeaux fair w/man and woman in FF 0610 12/3. Fair w/ FF talk in WCAU slop 2239 12/8. (Connelly) Loud w/FF talk 2143 12/13. (Connelly)
- 1215 UNID North African area-strong het against WCAU present at sunset on car rx at coastal sites during African-only openings (e.g. 1349 and 1404 loud, but France 1206 non-existent): Radio Atlantico, Canary Islands (formerly on 1097 and widely heard) is the prime candidate. Typical reception at 2145 on 12/10; who'll be the first to log this one? (Connelly)
- 1349 MAURITANIA Nouskchott noted w/bits of moaning/loud het 2230 12/1. (Connelly)
- HONDURAS Danli, I have not noted this stn in the past several 1365 weaks. Have they gone? (Thomas) Nope, here almost nightly-CH
- FRANCE Lille very good w/man and woman in FF 0610 12/3. (Connelly) 1395 ALBANIA Lushnje potent w/man and woman in SS on car rx at beach
- 2312 12/11. (Connelly) 1403.6 GUINEA Conakry here (400 Hz low); good w/a-capella male and female chanting, the only really loud highband TA at the time, 0520 12/6. (Connelly)
- WEST GERMANY/ALGERIA? Saarbrucken w/GG talk o/u a stn w/AA 1422
- chanting; SAH about 3 Hz, 0602 12/3. (Connelly)
  UNID weak carrier/no audio here 0241 12/2. Not looped Haiti but 1475.6 rather N-S. HC? YN? (Thomas)
- FRANCE R. France, Bastia fair w/man and woman in FF 0645-0649 1494 12/1, battling a second TA. (DeLorenzo)
- MEXICO XERH Mexico City poor to fair w/mishmash of other stns; 1500 La R-H, Grande, and Musica Tropical were mentioned 0515 12/15. All stns on channel were weak and WTOP was off at the time. (Connelly)
- USSR unknown Program Two 9/16 times should have been 1359 and 1521 1400, sorry about that, should have mentioned that it was a TP catch, sorry. (Vernon)
- UNID fair carrier noted here 1058 12/7. (Thomas)
  WEST GERMANY Mainflingen DLF strong w/GG female vocal, orchestral
- backing-through bad WOTR/KXEL slop 0458 12/15. (Connelly) CAYMAN ISLANDS good w/ad for King Cola then sports pgm 0008 1555
- 12/4. (Connelly) FRANCE Nice xlnt w/male AA chants 0501 12/15. (Connelly) Nice 1557 1&c w/man and woman in FF 0558-0602 12/1; opera at 0603, still 1&c at 0649 re-check. (DeLorenzo)
- SWITZERLAND SBC Sarnen good w/light rock mx, man in GG 0635-1566
- 0637 12/1 during lull in severe CKLM splatter. (DeLorenzo) ITALY RAI Genove 1&c w/man in II 0611-0617 12/1 thru CKLM 1575 splatter. (DeLorenzo)
- CUBA Cadena Agramonte outlet noted very weak w/het, bits of SS 1578a talk 0007 12/4. (Connelly)
- 1584 UNID jumble of three audios here at 0625-0630 12/1; apparently a Spaniard on top in SS, xlnt high band opening to western Europe this AM. (DeLorenzo)
- WEST GERMANY WDR Langenberg 1&c w/Muzak 0619-0622 12/1. (DeLzo) 1593 Extremely loud, 20 dB better than 1590 jumble; GG nx by man 0508 12/15. Good w/piano mx 0618 12/3. (Connelly)

# GRAVEYARD DX ACHIEVEMENTS

Pre-1960

BILL BERGADANO 39 MARBLE ST. STATEN ISLAND, NY 10314

May, do I hope this looks beter, hi, better, than I230 did:I'd like to answer acquestions a few folks have asked me; Norm Maguires records, No.I, Herred saying I'd show all his entries w/the grand totals:I didn't notice he had a
GE of 1006, the highest of anyone. His I240 stations will be listed seperately
here, and if you have a station at a further distance, they are still available to you. That to Mike Csorbay, Frank Wheeler, Rick Carr, and everyone else who
has sent their stuff so far. According to my calculations, 8% of the NRC has
ever contributed to GYDKA. 8% The IS DO SOMETHING ABOUT THAT Now for I240.

Pre-1960		
Mattion	Dzer/QTH	Distance
WEBJ/Hrewton, Al.	Gene Allen/Vallejo, Ca.	2060
WULA/Eufala, Al.	Gene Allen/Wallejo, Ca.	2150
WJBY/Gadsem, Al.	Gene Allen/Walle jo, Ca.	2050
WWWH/Jasper, Al.	Gene Allen/Valle jo, Ca.	11990
WGOV/Montgomery, Al.	Gene Allen/Valle jo, Ca.	2075
KBYR/Anchorage Ak.	Gene Allen/Valle jo, Ca.	2700
KWJH/Globe, Az.	Hank Holbrook/Chevy Chase, Md.	TOTO
KWAK/Stuttgart,Az.	Frank Wheeler/Erie, Pa.	810
EDFA/KOLD/KYUM/KSWB/Yuma, Az.	Gene Allen/Vallejo, Ca.	575
EVRC/Arkadelphia, Ar.	Don Kaskey/Galva, La.	eio
ECRE/Crescent City, Ca.	Bon Kaskey/Sacramento, Ca.	265
KRIMI/Dimuka, Ca.	Don Kaskey/Sacramento, Ca.	190
KHUM/Burelin, Ca.	Gene Allen/Vallejo, Ca.	215
EDOM/Monterey, Ga.	Gene Allen/Vallejo, Ca.	LIO
EPPC/Pasadena, Ca. 40	Stan Morss/Bradford, Ma.	2500
KRKS/Ridgecrest, Ch.	Gene Allen/Vallejo, Ca.	310
KROY/Sacramento, Ca.	Bom Kaskey/Galva, Ia.	<b>I</b> 365
KROW, whoops, KROO/Sam Bernerding, Co	a. Stan Morss/Bradford, Ma.	2400
	Bon Kaskey/Omaha, Ne.	I275
ESUE/Shsanville, Ca.	Chan Aller Wolledo Co	210
ECOE/fulane, Ca.	Gene Allen/Vallejo, Ca.	
KRDO/Colerade Springs, Co.	Gene Allen/Vallejo, Ca.	955
ESLW/Monte Vista, Co.	Gene Allen/Vallejo, Ca.	890
Kurc' Montrose, Co.	Gene Allen/Vallejo, Ca.	790
WWGO/Waterbury, Ct.	Frank Wheeler/Erie, Pa.	360
WINK St. Myers, Flas	Gene Allem Valle jo, Ca.	2510
Estity Selbourne, Fl.	Dom Kaskey/Omaha, Ne.	1265
WFOY/St.Angustine, Fl.	Gene Allen/Valle to, Ca.	2420
WGAC/Augusta, Fl.	Geme Allen/Vallejo, Ca.	2290
WEHR Pitzgerald, Ca.	Don Kaskey Omaha, Ne.	970
WGGA/Gainesville, Ga.	Don Easkey/Galva, Ia.	855.
WIAG/Is Grange, Ch.	Gene Allen Valle jo, Ca.	2130
WEST Macon, Ga.	Gene Allen/Walle jo, Ca.	2200
WFAE/Thomasville, Ca.	Gene Allen/Valle jo, Ca.	2240
WIWA/Thomson, Ch.	Don Kaskey/Galva, Ia.	950
WEDE/Chicago, Il.	Gene Allen/Valle jo, Ca.	1860
WHRQ/Harrisburg, Il.	Cene Allem Valle jo, Ca.	I840
WSDR/Sterling, M.	Gene Allen Walle jo, Ca.	<b>1745</b>
EBIZ/Ottuswa, Ia.	Gene Allem Valle jo, Ca.	1610
KDUD Garden City, Ks.	Halph Sperry/Fairfield, Ct.	1350
KAKE/KANS/Wichita, Ks.	Gene Allen/Valle jo, Ca.	1370
WFTE/Maysville, Ky.	Gene Allem/Valle jo, Ca.	2090
WPKE/Pikeville, Ky.	Don Kaskey/Galva, Ia.	780
WSFC/Somerset, Ky	Don Kaskey/Omaha, Ne.	675
KALH/Alexandria, La.	Gene Allen/Valle jo, Ca.	1765
KANE/New Iberia, Ia.	Frank Wheeler/Erie, Pa.	1060
WCBM/Cambridge, Md.	Gene Allem Walle jo, Ca.	2530
WJPD/Ishpening, Ni.	Bom Kaskey/Galva, Ia.	465
WGCM/Gulifport, Ms	Gene Allem/Vallejo, Ca.	I980
MHOX/Meridam, Ms.	GeneAllen/Valle to .Ca.	11945
WMIIS/Natchez, Me.	Frank Wheeler/Erie, Pa.	950
KFMO/Flat River, Mo.	Frank Wheeler/Erie, Pa.	625
KWOS/Jefferson City, Mo.	Gene Allen/Vallejo,Ca.	1640

		0.00
KXLJ/Helena, Mt.	Don Kaskey/Galva, Ia.	860 145
KFOR/Lincoln, Ne.	Rom Kaskey/Galva, Ia.	1170
KODY/North Flatte, Ne.	Gene Allen/Vallejo, Ca. Frank Wheeler/Erie, Pa.	315
WSNJ/Bridgeton, NJ.	Dom Kaskey/Galva, Ia.	800
KOAT/Almquerque, NM. KECA/Clovis, NM.	Gene Allem/Vallejo, Ca.	IIO5
KVHC/Farmington, NM.	Gene Allen/Vallejo, Ca.	780
WGBB/Freeport, NY.	Frank Wheeler/Erie, Pa.	390
WVOS/Diberty, NY.	Frank Wheeler/Erie, Pa.	370
WATN/Watertown, NY.	Frank Wheeler/Erie, Pa.	235 895
WSYD/Mt.Airy, NC.	Dom Kaskey/Omaha, Ne. Gene Allen/Vallejo, Ca.	2440
WENC/Whiteville, NC. KDER/Devild, ND.	Frank Wheeler/Erie, Pa.	ECCO
WLOK/Lima, 0.	Don Kaskey/Galva Ja.	600
WHEN/Youngstown, O.	Drm Kaskev/Galvaala.	7/70
WHIZ/Zainesville, 0.	Gene Allen/Valle jo, Ca.	2165
EVSO/Ardmore,Ok.	Gene Allem/Valle jo, Ca.	I445
KHEL/Idahel, Ok.	Gene Allen/Walle jo, Ca.	1560 1470
KHHG/Okmulgee, Ok.	Frank Wheeler/Erie, Pa.	570
WMAT/Watertown, SD.	Gene Allem/Vallejo,Ca.	I400
WHEJ/Elizabethtown, Th.	Don Kaskew/Galva.Ia.	830
WEER/Fayettville,NC.	Dom Kaskey/Galva, Ia.	695
WHIR/Knoxville, In.	Don Kaskey/Galva, la.	775
TERM Nashville, Im.	Gene Allen/Valle jo, Ca.	1960
KVLF/Alpine, Tr.	Come Allem/Valle jo Ca.	9770 1695
KORA/Bryam, Tx.	Gene Allen/Valle jo, Ca.	I675
KEBS/Harlingen, Tx. KTXJ/Jasper, Tx.	Gene Allen Walle jo, Ca.	I695
KOCA/Kilgore,Tx.	Gene Allen Valle jo, Ca.	<b>I6</b> 00
KWAC/Sam Antonic, Tx.	Gene Allen Valle jo, Ca.	1510
KXCX/Sweetwater, Tx.	Gene Allen/Valle jo, Ca.	1300
KOVO/Prove, Ut.	Gene Allen/Walle jo, Ca.	595 855
WINE/Elkins, WV.	Dom Kaskey/Galva, Ia. Pete Taylor/Durham, NC.	400
WKOY/Wheeling, WV. WOMT/Manitowoc, Wi.	Gene Allem Valle jo, Ca.	1850
WIRU/Poynette, Wi.	Gene Allem/Walle jo, Ca.	1770
WJMC/Ricelake, Wi.	Gene Allem Valle jo, Ca.	1670
KFHC/Cheyenme, Wy.	Frank Wheeler/Erie, Pa.	1270
KLUK/Evanston, Wy.	Gene Allen/Walle jo, Ca.	650 840
KTHE/Thermopolis, Wy.	Gene Allen/Valle jo, Ca. Gene Allen/Valle jo, Ca.	790
CJAV/Port Albernt, BC.	Gene Allen/Valle jo, Ca.	I550
CFPR/Frince Rupert, BC. CJNE/N. Battleford, Sa.	Gene Allen Valle jo, Ca.	I235
XEBU/Chihauhau, Chic.	Geme Allem/Valle jo, Ca.	1150
XERN/Delicias, Chic.	Gene Allem Walle jo, Ca.	1200
XEFV/C.Juarez, Chic.	Gene Allem/Valle jo, Ca.	5270
JOER/Hiroshima, Japani	Gene Allem/Vallejo,Ca. tand for a long time I bet:Bill)	) JE 110
them, thats one record that II s	term tot a ross amm - martin	
Fost-1960	Bruce Conti/W.Warwick, RT.	1160
WEBJ/Brewton, Al	Rich Eddie/St. Douis, Mo.	440
WPRM/Butler, Al.	Robert Kramer/Chicago, Il.	710
WULLA/Euffala, Al. WOWL/Florence, Al.	Jerry Robertson/Croswell,Mi.	650
WARF/Jasper,Al.	Carl Dahelstein/Lincoln, Ne.	7/IO
KVRD/Cottonwood, Az.	Gene Allem Valle jo, Ca.	625
KURG/Arkadelphia, Ar.	Steve Francis, Alcoa, Tr.	540
KWAK/Stuttgart, Ar.	Rich Eddie, St. Louis, Mo.	280
KFOD/Crescent City, Ca.	Dom Kaskey/San Francisco, Ca.	295 690
	Mancy Hardy/Aherdeen, Wa. (Tie) Gene Allen Valle jo, Ca.	IIO
KMBY/Monterey, Ca, KLOA/Ridgecrest, Ca.	Norm Maguire Albanuerque NM.	<b>6</b> 25
(Sorry, this one slipped in here	inadvertently, but its up for g	(ads
KROY/Sacramento Ca.	Gene Nix/Billings, Mt.	790
KEME/San Bernardino, Ca.	Gene Allen Valle jo.Ca.	395
KSON/San Diego, Ca.	Dom Kaskey/Sacramento, Ca.	475
KSMA/Santa Maria, Ca.	Dom Kaskey/Sam Francisco, Ca. Bob Coomler/Ojai, Ca.	230° 420°
KSUE/Susanville, Ca.	Hom Codimer, Clare Ca.	700

Gens Allem, Walle jo, Ca. Rick Carr/Moomington, III. Rodney Valdrom/Petit Rocher, WB. Rom Schiller/Monmouth Bch, NJ. Innis Inneas/Ithaca, NY. Andy Rugs/Montreal, PQ. Gary Atkins/Louisville, Ky. John Buchler/Holedo, O. Rave Whatmough/Hemilton, On. Chris Inneas/Stamford, Ct. Carl Babelstein/Limcolm, Ne. Jeff Kosnett/Charleston, WV. Steve Francis/Alcoa, Tm. Mike Heppe/Houston, Ms. Michael Jeziorski/Brookfield, III. Morris Sorensen/Emsdale, On. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. The Cooper/Provincetown, Ma. Bave Magritz/Omaha, Ne. The Magritz/Omaha, Ne. The Dabelstein/Omaha, Ne. The Dabelstein/Organa, Ne. Dam Fhillips/Talladega, Al. Chris Incas/Troy, NY. C. Dabelstein/Overland Park, Ks. Jerry Starr/Woungstown, O. Bave Fox/Reading, Fe. Chris Incas/Fairfield, Ct. Rodney Valdrom/Petit Rocher, NB. Meil Kazaroos/Pawtucket, RI. Jehm Huchler/Toledo, O. J. Robertson/Croswell, Mi. Carl Dabelstein/Oroswell, Mi. Carl Dab		
Rick Carr/Hoomington, III.  Rodney Valdrom/Fetit Rocher, NE.  Rom Schiller/Monmouth Bch, NJ.  I Chris Incas/Ithaca, NY.  Andy Rngy/Montreal, PQ.  Gary Atkins/Louisville, Ky.  John Ruchler/Holedo, O.  Beve Whatmough/Hamilton, On.  Chris Incas/Stamford, Ct.  Carl Dabelstein/Lincolm, Ne.  Jeff Kosnett/Charleston, WV.  Steve Francis/Alcoa, Tm.  Mike Heppe/Houston, Ms.  Michael Jeziorski/Brookfield, II.  Morris Soremen/Emsdale, On.  Steve Francis/Alcoa, Tm.  Lave Magritz/Omaha, Ne.  Frune Cooper/Provincetown, Ma.  Bave Magritz/Omaha, Ne.  Frune Cooper/Provincetown, Ma.  Bave Magritz/Omaha, Ne.  TIE Dave Magritz/Omaha, Ne.  TIE Jabelstein/Omelha, Ne.  Chris Incas/Troy, NY.  C. Dabelstein/Oreland Park, Ks.  Jerry Starr/Woungstown, O.  Bave Fox/Reading, Pe.  Chris Incas/Tairfield, Ct.  Rachey Valdrom/Petit Rocher, NE.  Mike Jeziorski/Brookfield, II.  Chris Incas/Fairfield, Ct.  Carl Dabelstein/Oreswell, Mi.  Carl Dabelstein/Oreswell,	Dave Margritz/Omaha.Ne.	520
Rick Carr/Hoomington, III.  Rodney Valdrom/Fetit Rocher, NE.  Rom Schiller/Monmouth Bch, NJ.  I Chris Incas/Ithaca, NY.  Andy Rngy/Montreal, PQ.  Gary Atkins/Louisville, Ky.  John Ruchler/Holedo, O.  Beve Whatmough/Hamilton, On.  Chris Incas/Stamford, Ct.  Carl Dabelstein/Lincolm, Ne.  Jeff Kosnett/Charleston, WV.  Steve Francis/Alcoa, Tm.  Mike Heppe/Houston, Ms.  Michael Jeziorski/Brookfield, II.  Morris Soremen/Emsdale, On.  Steve Francis/Alcoa, Tm.  Lave Magritz/Omaha, Ne.  Frune Cooper/Provincetown, Ma.  Bave Magritz/Omaha, Ne.  Frune Cooper/Provincetown, Ma.  Bave Magritz/Omaha, Ne.  TIE Dave Magritz/Omaha, Ne.  TIE Jabelstein/Omelha, Ne.  Chris Incas/Troy, NY.  C. Dabelstein/Oreland Park, Ks.  Jerry Starr/Woungstown, O.  Bave Fox/Reading, Pe.  Chris Incas/Tairfield, Ct.  Rachey Valdrom/Petit Rocher, NE.  Mike Jeziorski/Brookfield, II.  Chris Incas/Fairfield, Ct.  Carl Dabelstein/Oreswell, Mi.  Carl Dabelstein/Oreswell,	Gene Allem, Walle jo Ca.	790
Rom Schiller/Monmouth Beh.NJ.  Intis Incas/Ithaca.NY.  Andy Rugg/Montreal.PQ.  Gary Atkins/Louisville, Ky.  John Buchler/Toledo  There Whatmough/Hamiltom.om.  Chris Incas/Stamford.Ct.  Carl Dabelstein/Dimcolm.Ne.  Jeff Kosnett/Charlestom, WV.  Steve Francis/Alcoa.Tm.  Mike Heppe/Houstom, Ms.  Michael Jeziorski/Brookfield, II.  Morris Soremsen/Emsdale.Om.  Steve Francis/Alcoa.Tm.  Lave Magritz/Omaha.Ne.  The Barlestein/Omaha.Ne.  The Barlestein/Omaha.Ne.  The Barlestein/Omaha.Ne.  The Dave Magritz/Omaha.Ne.  The Dave Fox/Reading.Fa.  Chris Incas/Fairfield.Ct.  Rodney Valdron/Petit Rocher, NB.  Meil Kazaros/Fawtucket.RI.  Jehn Buehler/Toledo.O.  Jehnertson/Croswell.Mi.  Carl Dabelstein/Omaha.Ne.  Mike Jeziorski. Hrochfield. II.  Chris Incas/Fairfield.Ct.  Carl Dabelstein/Omaha.Ne.  Morris Soemsen/Reaf Rapids.Mm.  Jerry Starr/Youngstown.O.  Robert Kramer/Chicago.II.  Steve Francis/Alcoa.Tm.  And Dabelstein/Omaha.Ne.  Carl Dabelstein/Omaha.	Rick Carr/Bloomington, Il.	949
Chris Incas/Ithaca, NY. Andy Rugy/Montreal, TQ. Cary Atkins/Louisville, Ky. John Buchler/Boledo, O. Reve Whatmough/Hemilton, On. Chris Lucas/Stamford, Ct. Carl Dabelstein/Limcolm, Ne. Jeff Kosnett/Charleston, WV. Steve Francis/Alcoa, Tm. Mike Heppe/Houston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensen/Emsdale, On. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Ernis Cooper/Provincetown, Ma. Beve Magritz/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE Deve Magritz/Omaha, Ne. TIE Dom Kaskey/Galva, Ia. Carl Dabelstein/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE Dave Hagritz/Omaha, Ne. Carl Dabelstein/Omelia, Ne. TIE Dave Fox/Reading, Fe. Chris Lucas/Troy, NY. C. Dabelstein/Overland Park, Ks. Jerry Starr/Woungstown, O. Bave Fox/Reading, Fe. Chris Lucas/Fairfield, Ct. Radney Valdron/Petit Rocher, NB. Meil Kazaroos/Fewtucket, RI. Jehm Huchler/Toledo, O. J.Robertson/Croswell, Mi. Carl Dabelstein/Dimaha, Ne. Mike Jeziorski/Brookfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Oroswell, Mi. Carl Dabelstein/Oroswell, Ne. Mike Jeziorski/Brookfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soensen/Reaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Omaha, Ne. C	Rodney Valdrom/Fetit Rocher, NB.	565
Gary Atkins/Louisville, Ky. John Huchler/Toledo, O. Brew Whatmough/Hamilton, Om. Chris Lucas/Stamford, Ct. Carl Babelstein/Limcolm, Ne. Jeff Kosnett/Charleston, Wv. Steve Francis/Alcca, Tm. Hike Heppe/Houston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensem/Emsdale, Om. Steve Francis/Alcca, Tm. Aike Heppe/Houston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensem/Emsdale, Om. Steve Francis/Alcca, Tm. Lave Magritz/Omaha, Ne. Lave Magritz/Omaha, Ne. Lave Magritz/Omaha, Ne. TIE Dave Fox/Beading, Pa. Chris Lucas/Troy, NY. Calbelstein/Overland Park, Ks. Jerry Starr/Toungstown, O. Dave Fox/Beading, Pa. Chris Lucas/Fairfield, Ct. Rodney Valdron/Petit Rocher, NB. Neil Kazaros/Fawtucket, NI. John Huchler/Toledo, O. J. Robertson/Croswell, Mi. Carl Dabelstein/Omaha, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Carl Dabelstein/Omaha, Ne. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Omaha, Ne. Carl Dabelst		<b>105</b>
Gary Atkins/Louisville, Ky. John Huchler/Toledo, O. Brew Whatmough/Hamilton, Om. Chris Lucas/Stamford, Ct. Carl Babelstein/Limcolm, Ne. Jeff Kosnett/Charleston, Wv. Steve Francis/Alcca, Tm. Hike Heppe/Houston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensem/Emsdale, Om. Steve Francis/Alcca, Tm. Aike Heppe/Houston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensem/Emsdale, Om. Steve Francis/Alcca, Tm. Lave Magritz/Omaha, Ne. Lave Magritz/Omaha, Ne. Lave Magritz/Omaha, Ne. TIE Dave Fox/Beading, Pa. Chris Lucas/Troy, NY. Calbelstein/Overland Park, Ks. Jerry Starr/Toungstown, O. Dave Fox/Beading, Pa. Chris Lucas/Fairfield, Ct. Rodney Valdron/Petit Rocher, NB. Neil Kazaros/Fawtucket, NI. John Huchler/Toledo, O. J. Robertson/Croswell, Mi. Carl Dabelstein/Omaha, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Carl Dabelstein/Omaha, Ne. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Omaha, Ne. Carl Dabelst	Chris Incas/Ithaca, NY.	IOI
Chris Lucas/Stamford, Ct. Carl Dabelstein/Limcolm, Ne. Jeff Kosnett/Charleston, WV. Steve Francis/Alca, Tm. Mike Heppe/Mouston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensen/Emsdale, Om. Steve Francis/Alca, Tm. Mike Heppe/Mouston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensen/Emsdale, Om. Steve Francis/Alca, Tm. Dave Magritz/Omaha, Ne. Ermis Cooper/Provimetown, Ma. In Dave Magritz/Omaha, Ne. In Dave Fox/Reading, Fe. Chris Lucas/Froy, NY. C. Dabelsteim/Overland Park, Ks. Jerry Starr/Roungstown, O. In Dave Fox/Reading, Fe. Chris Lucas/Fairfield, Ct. Radney Valdron/Petit Rocher, NN. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soensen/Leaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Omaha, Ne. C	Andy Rugg/Montreal, FQ.	III6
Chris Lucas/Stamford, Ct. Carl Dabelstein/Limcolm, Ne. Jeff Kosnett/Charleston, WV. Steve Francis/Alca, Tm. Mike Heppe/Mouston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensen/Emsdale, Om. Steve Francis/Alca, Tm. Mike Heppe/Mouston, Ms. Michael Jeziorski/Brookfield, II. Morris Sorensen/Emsdale, Om. Steve Francis/Alca, Tm. Dave Magritz/Omaha, Ne. Ermis Cooper/Provimetown, Ma. In Dave Magritz/Omaha, Ne. In Dave Fox/Reading, Fe. Chris Lucas/Froy, NY. C. Dabelsteim/Overland Park, Ks. Jerry Starr/Roungstown, O. In Dave Fox/Reading, Fe. Chris Lucas/Fairfield, Ct. Radney Valdron/Petit Rocher, NN. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soensen/Leaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Omaha, Ne. C	Gary Atkins/Louisville, Ky.	400
Carl Mabelstein/Nimoclin, Ne. Jeff Kosnett/Charleston, WV. Steve Francis/Alcoa, Tm. Mikke Heppe/Houston, Ms. Michael Jeziorski/Brookfield, II. Morris Soremsen/Emsdale, Om. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Lave Fox/Reading, Fa. Carl Labelstein/Overland Park, Ks. Jerry Starr/Roungstown, O. Lave Fox/Reading, Fa. Chris Lucas/Fairfield, Ct. Rodney Valdron/Petit Rocher, NB. Meil Kazaros/Fawtucket, RI. Jahm Huehler/Toledo, O. Lave Fox/Reading, Fa. Morris Soemsen/Leaf Rapids, Mm. Jerry Starr/Roungstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Owaha, Ne. Carl	John Biehler/Holedo, 0.	715
Carl Mabelstein/Nimoclin, Ne. Jeff Kosnett/Charleston, WV. Steve Francis/Alcoa, Tm. Mikke Heppe/Houston, Ms. Michael Jeziorski/Brookfield, II. Morris Soremsen/Emsdale, Om. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Steve Francis/Alcoa, Tm. Lave Magritz/Omaha, Ne. Lave Fox/Reading, Fa. Carl Labelstein/Overland Park, Ks. Jerry Starr/Roungstown, O. Lave Fox/Reading, Fa. Chris Lucas/Fairfield, Ct. Rodney Valdron/Petit Rocher, NB. Meil Kazaros/Fawtucket, RI. Jahm Huehler/Toledo, O. Lave Fox/Reading, Fa. Morris Soemsen/Leaf Rapids, Mm. Jerry Starr/Roungstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Owaha, Ne. Carl	De Whatmough/Hamilton, On.	650
Mike Heppe/Houstons Ms.  Michael Jeziorski/Brookfield, II.  Morris Soremsen/Emsdale, Om.  Steve Francis/Alcoa, Tm.  Lave Magritz/Omaha, Ne.  Ermis Cooper/Provimetown, Ma.  Dave Magritz/Omaha, Ne.  Garl Dabelstein/Omaha, Ne.  TIE  Lave Magritz/Omaha, Ne.  Carl Dabelstein/Omaha, Ne.  TIE  Lave Magritz/Omaha, Ne.  Chris Lucas/Troy, NY.  C. Dabelstein/Overland Park, Ks.  Jerry Starr/Toungstown, O.  Lave Fox/Reading, Fe.  Chris Lucas/Fairfield, Ct.  Radney Valdron/Petit Rocher, NB.  Morris Soensen/Leaf Rapids, Mm.  Jerry Starr/Toungstown, O.  Bubert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Lave Magritz/Omaha, Ne.  Carl Dabelstein/Overland, Pk.  Rick Carr/Micomington, II.  Lom Kaskey/Sacramento, Ca.  Carl Dabelstein/Owaha, Ne.  Carl Dabelstein/Omaha, Ne.  Carl	Chris Lucas/Stamford, Ct.	805
Mike Heppe/Houstons Ms.  Michael Jeziorski/Brookfield, II.  Morris Soremsen/Emsdale, Om.  Steve Francis/Alcoa, Tm.  Lave Magritz/Omaha, Ne.  Ermis Cooper/Provimetown, Ma.  Dave Magritz/Omaha, Ne.  Garl Dabelstein/Omaha, Ne.  TIE  Lave Magritz/Omaha, Ne.  Carl Dabelstein/Omaha, Ne.  TIE  Lave Magritz/Omaha, Ne.  Chris Lucas/Troy, NY.  C. Dabelstein/Overland Park, Ks.  Jerry Starr/Toungstown, O.  Lave Fox/Reading, Fe.  Chris Lucas/Fairfield, Ct.  Radney Valdron/Petit Rocher, NB.  Morris Soensen/Leaf Rapids, Mm.  Jerry Starr/Toungstown, O.  Bubert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Lave Magritz/Omaha, Ne.  Carl Dabelstein/Overland, Pk.  Rick Carr/Micomington, II.  Lom Kaskey/Sacramento, Ca.  Carl Dabelstein/Owaha, Ne.  Carl Dabelstein/Omaha, Ne.  Carl	Tage Farmatt / Charles Him	IOO
Michael Jeziorski/Brockfield, II.  Michael Jeziorski/Brockfield, II.  Morris Soremsen/Emsdale, Om.  Steve Francis/Alcoa, Tm.  Dave Magritz/Omaha, Ne.  Ermis Cooper/Provincetown, Ma.  Dave Magritz/Omaha, Ne.  Wayne Heinen/Buffalo, NY.  Carl Dabelstein/Omaha, Ne.  TIE  Dave Magritz/Omaha, Ne.  TIE  Tomis Lucas/Troy, NY.  Carlestein/Overland Park, Ks.  Jerry Starr/Toungstown, O.  Dave Fox/Reading, Fe.  Chris Lucas/Fairfield, Ct.  Rodney Valdron/Petit Rocher, NB.  Meil Kazaros/Fawtucket, RI.  Jehm Buehler/Toledo, O.  Jehobertson/Croswell, Mi.  Carl Dabelstein/Mimoolm, Ne.  Mike Jeziorski, Brockfield, II.  Chris Lucas/Fairfield, Ct.  Carl Dabelstein/Omaha, Ne.  Morris Soemsen/Heaf Rapids, Mm.  Jerry Starr/Youngstown, O.  Robert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Carl Dabelstein/Owaha, Ne.  Carl Dabelstein/Owaha, Ne.  Carl Dabelstein/Owaha, Ne.  Carl Dabelstein/Omaha, N	Charleston, Ww.	535
Michael Jeziorski/Brookfield, II. Morris Soremsen/Emsdale, On. Steve Francis/Alcoa, Tm.  Lave Magritz/Omaha, Ne.  Ermis Cooper/Provimetown, Ma.  Bave Magritz/Omaha, Ne.  Wayme Heinen/Buffalo, Nr.  Carl Dabelsteim/Omaha, Ne.  TIE  Dave Magritz/Omaha, Ne.  TIE  Dave Fox/Reading, Fa.  Chris Lucas/Fairfield, Ct.  Rodney Valdron/Petit Rocher, NB.  Meil Kazaros/Pawtucket, RI.  Jehm Buehler/Toledo, O.  J.Robertson/Croswell, Mi.  Carl Dabelsteim/Timcolm, Ne.  Mike Jeziorski/Brookfield, II.  Chris Lucas/Fairfield, Ct.  Carl Dabelsteim/Omaha, Ne.  Morris Soemsen/Teaf Rapids, Mm.  Jerry Starr/Toungstown, O.  Robert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Carl Dabelsteim/Owerland, Pk.  Rick Carr/Micomington, II.  Dom Kaskey/Sacramento, Ca.  Carl Dabelsteim/Omaha, Ne.  Carl Dabelsteim/Omaha,	With House Mountain Ma	200 I6I
Morris Soremsen/Emsdale,Om.  Steve Francis/Alcoa,Tm.  Lave Magritz/Omaha,Ne.  Ernie Cooper/Provincetown,Ma.  Bave Magritz/Omaha,Ne.  Same Heinen/Buffalo,Nr.  Carl Dabelstein/Omaha,Ne.  TIE  Dom Kaskey/Galve,Ia.  Carl Dabelsteim/Omaha,Ne.  TIE  Dave Magritz/Omaha,Ne.  TIE  Tomis Lucas/Troy,NY.  C.Dabelsteim/Overland Park,Ks.  Jerry Starr/Toungstown,O.  Bave Fox/Reading,Pe.  Chris Lucas/Pairfield,Ct.  Redney Valdron/Petit Rocher,NN.  Meil Kasaroes/Pewtucket,RI.  Jehm Buehler Toledo,O.  J.Robertson/Croswell,Mi.  Carl Dabelstein/Jimcoln,Ne.  Mike Jeziorski/Brockfield,II.  Chris Lucas/Fairfield,Ct.  Sarl Dabelstein/Omaha,Ne.  Morris Soensem/Beaf Rapids,Mm.  Jerry Starr/Toungstown,O.  Robert Kramer/Chicago,II.  Steve Francis/Alcoa,Tm.  40  Carl Dabelstein/Owerland,Pk.  Rick Carr/Hoomington,II.  Dom Kaskey/Sacramento,Ca.  Carl Dabelstein/Omaha,Ne.  Gerry Starr/Tomaha,Ne.  Gerry Starr/Tomaha,Ne.  Gerry Starr/Tomaha,Ne.  Carl Dabelstein/Omaha,Ne.  Carl Dabelstein/Omaha,Ne.  Gerry Starr/Tomaha,Ne.  Gerry Starr/Tom	Michael Toutemakt Phochetical II	IO
Steve Francis Alcoa, Tm. Dave Magritz Omaha, Ne. Ermie Cooper Provincetown, Ma. Dave Magritz Omaha, Ne. Sayne Heinen Duffalo, Nr. Carl Dabelstein/Omaha, Ne. TIE Dave Magritz Omaha, Ne. TIE Tomis Lucas Troy, Nr. Tomis Huchler Toledo, O. Tomis Lucas Troy, Nr. Tomis Lucas Tr	Marrie Soromeam/Emedale.Om	440
Baye Magritz/Omaha, Ne.  Brunie Cooper/Provincetown, Ma.  Baye Magritz/Omaha, Ne.  Baye Magritz/Omaha, Ne.  Garl Dabelsteim/Omaha, Ne.  TIE  Dom Kaskey/Galva, Ia.  Carl Dabelsteim/Omaha, Ne.  TIE  Dom Kaskey/Galva, Ia.  Carl Dabelsteim/Omaha, Ne.  TIE  Dam Fhillips/Talladega, Al.  Chris Lucas/Troy, Ny.  C. Dabelsteim/Overland Park, Ks.  Jerry Starr/Woungstown, O.  Baye Fox/Reading, Fe.  Chris Lucas/Fairfield, Ct.  Redney Valdron/Petit Rocher, NB.  Meil Kasaroos/Fewtucket, RI.  Jehm Huehler/Toledo, O.  J. Robertson/Croswell, Mi.  Carl Dabelsteim/Dincolm, Ne.  Mike Jeziorski/Brockfield, II.  Chris Lucas/Fairfield, Ct.  Carl Dabelsteim/Omaha, Ne.  Mike Jeziorski/Brockfield, II.  Morris Soemsen/Reaf Rapids, Mm.  Jerry Starr/Youngstown, O.  Mobert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Carl Dabelsteim/Owerland, Pk.  Rick Carr/Hoomington, II.  Dom Kaskey/Sacramento, Ca.  Carl Dabelsteim/Owaha, Ne.  Carl Dabelsteim/Omaha, Ne.  Carl Dabelst		470
Bave Magritz/Omaha, Ne. Carl Dahelstein/Omaha, Ne. TIE Dom Kaskey/Galve, Ia. Carl Babelstein/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE	Dave Magritz Omaha. Ne.	480
Bave Magritz/Omaha, Ne. Carl Dahelstein/Omaha, Ne. TIE Dom Kaskey/Galve, Ia. Carl Babelstein/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE	Ermie Cooper/Provincetown.Ma.	TOO
Wayne Heinen/Huffalo, N. 6 Carl Dabelstein/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE Don Kaskey/Galva, Ia. Carl Dabelstein/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. TIE Dave Magritz/Omaha, Ne. Carl Dabelstein/Overland Park, Ks. Jerry Starr/Noungstown, O. Dave Fox/Reading, Fa. Chris Lucas/Troy, NY. Chris Lucas/Troy, NY. Chris Lucas/Tairfield, Ct. Rodney Valdron/Petit Rocher, NB. Neil Kasaroes/Pawtucket, RI. Jahm Huehler/Toledo, O. Jahobertson/Croswell, Mi. Carl Dabelstein/Limcoln, Ne. Mike Jezicorski/Brochfield, El. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Carlfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Scensen/Reaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcos, Tn. Carl Dabelstein/Overland, Pk. Rick Carr/Hicomington, II. Don Kaskey/Sacramento, Ca. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Omaha, Ne. Carl	Dame Magnitz/Omaha. No.	360
Carl Babelstein/Omaha, Ne. THE Dave Magritz/Omaha, Ne. THE Dave Magritz/Omaha, Ne. Dam Phillips/Talladega, Al. Chris Lucas/Troy, NY. C. Dabelstein/Overland Park, Ks. Jerry Starr/Noungstown, O. Dave Fox/Reading, Pa. Chris Lucas/Pairfield, Ct. Rodney Valdron/Petit Rocher, NB. Neil Kasaros/Fawtucket, RI. Jehm Buehler/Toledo, O. J.Rohertson/Croswell, Mi. Carl Babelstein/Dimoln, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Babelstein/Omaha, Ne. Morris Soemsen/Leaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcos, Tm. Carl Babelstein/Overland, Pk. Rick Carr/Moomington, II. Dom Kaskey/Sacramento, Ca. Carl Babelstein/Owaha, Ne. Carl Babelstein/Omaha, Ne. Carl Babe	Wayne Heinen/Buffalo, NY.	680
Carl Babelstein/Omaha, Ne. THE Dave Magritz/Omaha, Ne. THE Dave Magritz/Omaha, Ne. Dam Phillips/Talladega, Al. Chris Lucas/Troy, NY. C. Dabelstein/Overland Park, Ks. Jerry Starr/Noungstown, O. Dave Fox/Reading, Pa. Chris Lucas/Pairfield, Ct. Rodney Valdron/Petit Rocher, NB. Neil Kasaros/Fawtucket, RI. Jehm Buehler/Toledo, O. J.Rohertson/Croswell, Mi. Carl Babelstein/Dimoln, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Babelstein/Omaha, Ne. Morris Soemsen/Leaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcos, Tm. Carl Babelstein/Overland, Pk. Rick Carr/Moomington, II. Dom Kaskey/Sacramento, Ca. Carl Babelstein/Owaha, Ne. Carl Babelstein/Omaha, Ne. Carl Babe	Carl Dahelsteim/Omaha.Ne. man	195
Carl Babelstein/Omaha, Ne. THE Dave Magritz/Omaha, Ne. THE Dave Magritz/Omaha, Ne. Dam Phillips/Talladega, Al. Chris Lucas/Troy, NY. C. Dabelstein/Overland Park, Ks. Jerry Starr/Noungstown, O. Dave Fox/Reading, Pa. Chris Lucas/Pairfield, Ct. Rodney Valdron/Petit Rocher, NB. Neil Kasaros/Fawtucket, RI. Jehm Buehler/Toledo, O. J.Rohertson/Croswell, Mi. Carl Babelstein/Dimoln, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Babelstein/Omaha, Ne. Morris Soemsen/Leaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcos, Tm. Carl Babelstein/Overland, Pk. Rick Carr/Moomington, II. Dom Kaskey/Sacramento, Ca. Carl Babelstein/Owaha, Ne. Carl Babelstein/Omaha, Ne. Carl Babe	Dave Magritz/Omaha, Ne.	<b>195</b>
Chris Lucas/Troy, NY.  C.Dabelstein/Overland Park, Ks. Jerry Starr/Youngstown, O. Dave Fox/Reading, Pe. Chris Lucas/Pairfield, Ct. Redney Valdron/Petit Rocher, NR. Neil Kasaroos/Fewtucket, RI. Jehm Buehler Toledo, O. J.Robertson/Croswell, Mi. Carl Dabelstein/Dimoln, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soensem/Beaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Overland, Pk. Rick Carr/Hoomington, II. Dom Kaskey/Sacramento, Ca. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Omaha, Ne. Dave Magritz/Omaha, Ne. Jerry Starr/Toungstown, O. Ardney Valdron/Petit Rocher, NB. Rodney Valdron/Petit Rocher, NB. Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Rodney Valdron/Petit Rocher, NB. Dave Fox/Reading, Pa.	Dom Kaskey/Galva, Ta.	38
Chris Lucas/Troy, NY.  C.Dabelstein/Overland Park, Ks. Jerry Starr/Youngstown, O. Dave Fox/Reading, Pe. Chris Lucas/Pairfield, Ct. Redney Valdron/Petit Rocher, NR. Neil Kasaroos/Fewtucket, RI. Jehm Buehler Toledo, O. J.Robertson/Croswell, Mi. Carl Dabelstein/Dimoln, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soensem/Beaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Overland, Pk. Rick Carr/Hoomington, II. Dom Kaskey/Sacramento, Ca. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Omaha, Ne. Dave Magritz/Omaha, Ne. Jerry Starr/Toungstown, O. Ardney Valdron/Petit Rocher, NB. Rodney Valdron/Petit Rocher, NB. Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Rodney Valdron/Petit Rocher, NB. Dave Fox/Reading, Pa.	Carl Datelstein Omaha, Ne. will	375
Chris Lucas/Troy, NY.  C.Dabelstein/Overland Park, Ks. Jerry Starr/Youngstown, O. Dave Fox/Reading, Pe. Chris Lucas/Pairfield, Ct. Redney Valdron/Petit Rocher, NR. Neil Kasaroos/Fewtucket, RI. Jehm Buehler Toledo, O. J.Robertson/Croswell, Mi. Carl Dabelstein/Dimoln, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Fairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soensem/Beaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelstein/Overland, Pk. Rick Carr/Hoomington, II. Dom Kaskey/Sacramento, Ca. Carl Dabelstein/Owaha, Ne. Carl Dabelstein/Omaha, Ne. Dave Magritz/Omaha, Ne. Jerry Starr/Toungstown, O. Ardney Valdron/Petit Rocher, NB. Rodney Valdron/Petit Rocher, NB. Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Rodney Valdron/Petit Rocher, NB. Dave Fox/Reading, Pa.	Dave Magritz/Omaha, Ne.	375
Jerry Starr Noungstown, 0.  Bave Fox/Reading, Pe. 3  Chris Luces/Fairfield, Ct.  Redney Valdron/Petit Rocher, NR. 8  Neil Kasaroes/Fewtucket, RT. 3  Jehm Buehler Toledo, 0. 5  J. Robertson/Croswell, Mi. 6  Kike Jeziorski Brockfield, RI. 6  Carl Babelstein/Dimohn, Ne. 6  Morris Soensem/Heaf Rapids, Mm. 3  Jerry Starr/Toungstown, 0. 6  Robert Kramer/Chicago, II. 7  Steve Francis/Alcoa, Tm. 6  Carl Babelstein/Overland, Pk. 8  Rick Carr/Hoomington, II. 11  Dom Kaskey/Sacramento, Ca. 12  Carl Babelstein/Owaha, Ne. 6  Carl Babelstein/Omaha, Ne. 7  Rodney Valdron/Petit Rocher, NB. 7  Bave Magritz/Omaha, Ne. 6  Rodney Valdron/Petit Rocher, NB. 6  Rich Eddie/St. Houis, Mo. 7  Steve Francis/Alcoa, Tm. 6  Rodney Valdron/Petit Rocher, NB. 6  Rich Eddie/St. Houis, Mo. 7  Steve Francis/Alcoa, Tm. 6  Bodney Valdron/Fetit Rocher, NB. 5  Baye Fox/Reading, Pa. 5	Dam Fhillips/Talladega,Al.	875
Jerry Starr Noungstown, 0.  Bave Fox/Reading, Pe. 3  Chris Luces/Fairfield, Ct.  Redney Valdron/Petit Rocher, NR. 8  Neil Kasaroes/Fewtucket, RT. 3  Jehm Buehler Toledo, 0. 5  J. Robertson/Croswell, Mi. 6  Kike Jeziorski Brockfield, RI. 6  Carl Babelstein/Dimohn, Ne. 6  Morris Soensem/Heaf Rapids, Mm. 3  Jerry Starr/Toungstown, 0. 6  Robert Kramer/Chicago, II. 7  Steve Francis/Alcoa, Tm. 6  Carl Babelstein/Overland, Pk. 8  Rick Carr/Hoomington, II. 11  Dom Kaskey/Sacramento, Ca. 12  Carl Babelstein/Owaha, Ne. 6  Carl Babelstein/Omaha, Ne. 7  Rodney Valdron/Petit Rocher, NB. 7  Bave Magritz/Omaha, Ne. 6  Rodney Valdron/Petit Rocher, NB. 6  Rich Eddie/St. Houis, Mo. 7  Steve Francis/Alcoa, Tm. 6  Rodney Valdron/Petit Rocher, NB. 6  Rich Eddie/St. Houis, Mo. 7  Steve Francis/Alcoa, Tm. 6  Bodney Valdron/Fetit Rocher, NB. 5  Baye Fox/Reading, Pa. 5	Chris Lucas/Froy,NY.	705
Bave Fox/Reading.Fe. Chris Iucas/Fairfield,Ct. Rodney Valdron/Petit Rocher,NB. Neil Kazaros/Fewtucket,RI. Jehm Huchler/Toledo,O. J.Rohertson/Croswell.Mi. Carl Babelstein/Lincolm,Ne. Mike Jeziorski/Brockfield,II. Chris Iucas/Fairfield,Ct. Carl Babelstein/Omaha,Ne. Morris Scensen/Reaf Rapids,Mm. Jerry Starr/Youngstown,O. Robert Kramer/Chicago,II. Steve Francis/Alcoa,Tm. Carl Babelstein/Owerland,Pk. Rick Carr/Hoomington,II. Bom Kaskey/Sacramento,Ca. Carl Babelstein/Oweland,Pk. Rick Carr/Hoomington,II. Bom Kaskey/Sacramento,Ca. Carl Babelstein/Omaha,Ne. Carl Babelstein/Omaha,Ne. Carl Babelstein/Omaha,Ne. Carl Babelstein/Omaha,Ne. Rodney Valdron/Petit Rocher,NB. Rodney Valdron/Petit Rocher,NB. Rich Eddie/St.Houis,Mo. Steve Francis/Alcoa,Tm. Rodney Valdron/Petit Rocher,NB. Rich Eddie/St.Houis,Mo. Steve Francis/Alcoa,Tm. Rodney Valdron/Petit Rocher,NB. Rodney Valdron/Petit Rocher,NB.	C. Dabelstein Overland Park, Ks.	560
Redney Valdron/Petit Rocher, NB. 8 Neil Kazaros/Fewtucket, RI. Jehm Buehler/Toledo, O. J.Robertson/Growell, Mi. Carl Babelstein/Bimcoln, Ne. Mike Jeziorski/Brochfield, II. Chris Lucas/Fairfield, Ct. Carl Babelstein/Omaha, Ne. Morris Soensem/Beaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, II. Carl Babelsteim/Overland, Pk. Carl Babelsteim/Overland, Pk. Rick Carr/Hoomington, II. Dom Kaskey/Sacramento, Ca. Carl Babelsteim/Omaha, Ne. Dave Magritz/Omaha, Ne. Jerry Starr/Joungstown, O. Ardney Valdron/Petit Rocher, NB. Rodney Valdron/Petit Rocher, NB. Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Bodney Valdron/Fetit Rocher, NB. Dave Fox/Reading, Pa.	derry Starr/ Youngstown, U.	TOO
Redney Valdron/Petit Rocher, NB. 8 Neil Kazaros/Fewtucket, RI. Jehm Buehler/Toledo, O. J.Robertson/Growell, Mi. Carl Babelstein/Bimcoln, Ne. Mike Jeziorski/Brochfield, II. Chris Lucas/Fairfield, Ct. Carl Babelstein/Omaha, Ne. Morris Soensem/Beaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, II. Carl Babelsteim/Overland, Pk. Carl Babelsteim/Overland, Pk. Rick Carr/Hoomington, II. Dom Kaskey/Sacramento, Ca. Carl Babelsteim/Omaha, Ne. Dave Magritz/Omaha, Ne. Jerry Starr/Joungstown, O. Ardney Valdron/Petit Rocher, NB. Rodney Valdron/Petit Rocher, NB. Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Bodney Valdron/Fetit Rocher, NB. Dave Fox/Reading, Pa.	Bye Fox/Heading, Fa.	380
Carl Dabelstein/Lincoln, Ne. Mike Jeziorski/Brochfield, II. Chris Lucas/Rairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soemsem/Reaf Rapids, Mm. Jerry Starr/Youngstown, O. Rohert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelsteim/Overland, Pk. Carl Dabelsteim/Overland, Pk. Rick Carr/Hloomington, II. DOM Kaskey/Sacramento, Ca. Carl Dabelsteim/Omaha, Ne. Carl D	Polynow Wolder Polynow No.	385
Carl Dabelstein/Lincoln, Ne. Mike Jeziorski/Brochfield, II. Chris Lucas/Rairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soemsem/Reaf Rapids, Mm. Jerry Starr/Youngstown, O. Rohert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelsteim/Overland, Pk. Carl Dabelsteim/Overland, Pk. Rick Carr/Hloomington, II. DOM Kaskey/Sacramento, Ca. Carl Dabelsteim/Omaha, Ne. Carl D	Notil Karaman Communicat DT	825
Carl Dabelstein/Lincoln, Ne. Mike Jeziorski/Brockfield, II. Chris Lucas/Rairfield, Ct. Carl Dabelstein/Omaha, Ne. Morris Soemsem/Reaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Dabelsteim/Overland, Pk. Carl Dabelsteim/Overland, Pk. Rick Carr/Hloomington, II. DOM Kaskey/Sacramento, Ca. Carl Dabelsteim/Omaha, Ne. Carl D	John Broklar Toledo O	370 \$80
Carl Babelstein/Omaha, Ne.  Morris Soemsen/Heaf Rapids, Mm.  Jerry Starr/Youngstown, O.  Robert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Carl Babelstein/Oveland, Pk.  Carl Babelstein/Oveland, Pk.  Rick Carr/Hloomington, II.  Dom Kaskey/Sacramento, Ca.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Jerry Starr/Moungstown, O.  Addient Magritz/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Addient Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Leve Magritz/Omaha, Ne.  Addient Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Madron/Petit Rocher, NB.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.	J. Robertson Crowell Wi	710
Carl Babelstein/Omaha, Ne.  Morris Soemsen/Heaf Rapids, Mm.  Jerry Starr/Youngstown, O.  Robert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Carl Babelstein/Oveland, Pk.  Carl Babelstein/Oveland, Pk.  Rick Carr/Hloomington, II.  Dom Kaskey/Sacramento, Ca.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Jerry Starr/Moungstown, O.  Addient Magritz/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Addient Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Leve Magritz/Omaha, Ne.  Addient Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Madron/Petit Rocher, NB.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.	Carl Dahelstein/Rimcolm.Ne.	680
Carl Babelstein/Omaha, Ne.  Morris Soemsen/Heaf Rapids, Mm.  Jerry Starr/Youngstown, O.  Robert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Carl Babelstein/Oveland, Pk.  Carl Babelstein/Oveland, Pk.  Rick Carr/Hloomington, II.  Dom Kaskey/Sacramento, Ca.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Jerry Starr/Moungstown, O.  Addient Magritz/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Lave Magritz/Omaha, Ne.  Addient Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Leve Magritz/Omaha, Ne.  Addient Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Madron/Petit Rocher, NB.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Carl Babelstein/Omaha, Ne.  Servy Magritz/Omaha, Ne.	Mike Jeziorski/Brookfield. Il.	280
Carl Babelstein/Omaha, Me.  Morris Soemsem/Beaf Rapids, Mm.  Jerry Starr/Youngstown, O.  Robert Kramer/Chicago, II.  Steve Francis/Alcoa, Tm.  Carl Babelsteim/Overland, Pk.  Rick Carr/Moomington, II.  Bom Kaskey/Sacramento, Ca.  Carl Babelsteim/Omaha, Ne.  Carl Babelsteim/Omaha, Ne.  Carl Babelsteim/Omaha, Ne.  Carl Babelsteim/Omaha, Ne.  Garl Babelsteim/Omaha, Ne.  FIRE  Bave Magritz/Omaha, Ne.  Jerry Starr/ToungstoungO.  ARdney Valdron/Petit Rocher, NB.  Rodney Valdron/Petit Rocher, NB.  Rich Eddie/St. Houis, Mo.  Steve Francis/Alcoa, Tm.  Rodney Valdron/Fetit Rocher, NB.  Bave Magritz/Omaha, NB.  Rich Eddie/St. Houis, Mo.  Steve Francis/Alcoa, Tm.  Rodney Valdron/Fetit Rocher, NB.  Daye Fox/Reading, Pa.	Chris Lucas/Fairfield.Ct.	590
Morris Scensen/Reaf Rapids, Mm. Jerry Starr/Youngstown, O. Robert Kramer/Chicago, II. Steve Francis/Alcoa, Tm. Carl Rabelsteim/Overland, Pk. Rick Carr/Hoomington, II. Dom Kaskey/Sacramento, Ca. Carl Rabelsteim/Omaha, Ne. Lave Magritz/Omaha, Ne. Lave Magritz/Omaha, Ne. Jerry Starr/Toungstown, O. Acadey Valdron/Petit Rocher, NB. Rave Magritz/Omaha, Ne. Rodney Valdron/Petit Rocher, NB. Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Rodney Valdron/Fetit Rocher, NB. Daye Fox/Reading, Pa.	Carl Dabelstein/Omaha, Ne.	390
Steve Francis/Alcoa, Tm.  Steve Francis/Alcoa, Tm.  Carl Dahelsteim/Overland, Pk.  Rick Carr/Micomington, II.  Bom Kaskey/Sacramento, Ca.  Carl Dahelsteim/Omaha, Ne.  Figure Magritz/Omaha, Ne.  Jerry Starr/Houngstram; O.  Rodney Valdrom/Petit Rocher, NB.  Rodney Valdrom/Petit Rocher, NB.  Steve Francis/Alcoa, Tm.  Bodney Valdrom/Fetit Rocher, NB.  Steve Fox/Reading, Pa.	Morris Scensen/Reaf Rapids.Mm.	845
Steve Francis/Alcoa, Tm.  Steve Francis/Alcoa, Tm.  Carl Dahelsteim/Overland, Pk.  Rick Carr/Micomington, II.  Bom Kaskey/Sacramento, Ca.  Carl Dahelsteim/Omaha, Ne.  Figure Magritz/Omaha, Ne.  Jerry Starr/Houngstram; O.  Rodney Valdrom/Petit Rocher, NB.  Rodney Valdrom/Petit Rocher, NB.  Steve Francis/Alcoa, Tm.  Bodney Valdrom/Fetit Rocher, NB.  Steve Fox/Reading, Pa.	Jerry Starr/Youngstown, O.	640
Carl Dahelsteim/Overland, Pk. Carl Dahelsteim/Overland, Pk. Bick Carr/Moomington, II.  Dom Kaskey/Sacramento, Ca. Carl Dahelsteim/Omaha, Ne. Carl Dahelsteim	Robert Kramer/Chicago. II.	7770
Carl Mahelstein/Oweland, Pk. Rick Carr/Hloomington, II. Dom Kaskey/Sacramento, Ca. Carl Dahelstein/Omaha, Ne. Carl Dahelstein/Omaha, Ne. Dave Magritz/Omaha, Ne. Carl Dabelstein/Omaha, Ne. Carl Dabelstein/Omaha, Ne. Dave Magritz/Omaha, Ne. Jerry Starr/Jomaha, Ne. Jerry Starr/Jomaha, Ne. Dave Magritz/Omaha, Ne. Cave Magritz/Omaha, Ne. Carl Rocher, Ne. Carl Dahelstein/Omaha,	Steve Francis/Alcoa, In.	405
Non Kaskey/Sacramento.Ca. Carl Dabelstein/Omaha,Ne. Carl Dabelstein/Omaha,Ne. Carl Dabelstein/Omaha,Ne. THE Dave Magritz/Omaha,Ne. Dave Magritz/Omaha,Ne. Dave Magritz/Omaha,Ne. Dave Magritz/Omaha,Ne. THE Dave Magritz/Omaha,Ne. There Hagritz/Omaha,Ne. Dave Magritz/Omaha,Ne. There Magritz/Omaha,	Carl Dahelsteim/Overland,Pk.	135
Non Kaskey/Sacramento.Ca. Carl Dabelstein/Omaha,Ne. Carl Dabelstein/Omaha,Ne. Carl Dabelstein/Omaha,Ne. THE Dave Magritz/Omaha,Ne. Dave Magritz/Omaha,Ne. Dave Magritz/Omaha,Ne. Dave Magritz/Omaha,Ne. THE Dave Magritz/Omaha,Ne. There Hagritz/Omaha,Ne. Dave Magritz/Omaha,Ne. There Magritz/Omaha,	Carl Dahelstein/Oweland, Pk.	85
Carl Dahelstein/Omaha, Ne. Carl Dahelstein/Omaha, Ne. THE Bave Magritz/Omaha, Ne. Carl Dabelstein/Omaha, Ne. Carl Dabelstein/Omaha, Ne. Lerry Starr/Jomaha, Ne. Adve Magritz/Omaha, Ne. Leve Magritz/Omaha, Ne. Dave Magritz/Omaha, Ne. Cave Magritz/Omaha, Ne. Carl Dahelstein/Omaha, Ne. Carl Dahelstei	Elek Carr/Hicomington, II.	HO
Carl Dahe Litte in / Omaha, Ne.  Dave Magritz / Omaha, Ne.  Carl Dabe Litte in / Omaha, Ne.  Dave Magritz / Omaha, Ne.  Jerry Starr / Toungs trung 0.  A Rodney Valdron/Petit Rocher, NB.  Dave Magritz / Omaha, Ne.  Dave Magritz / Omaha, Ne.  Carl Dahe Magritz / Omaha, Ne.  Bave Magritz / Omaha, Ne.  Bave Magritz / Omaha, Ne.  Bave Magritz / Omaha, Ne.  Bodney Valdron/Petit Rocher, NB.  Steve Francis/Alcoa, Tm.  Bodney Valdron/Fetit Rocher, NB.  Dave Fox/Reading. Pa.	Charles Askey/ Sacramento, Ca.	100
Dave Magritz/Omaha, Ne. Carl Dabelsteim/Omaha, Me. Dave Magritz/Omaha, Me. Jerry Starr/Toungsteam; Rodney Valdron/Petit Rocher, NB. The Magritz/Omaha, Me. Toungsteam; Rodney Valdron/Petit Rocher, NB. Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. The Magritz/Omaha, Me. Rodney Valdron/Petit Rocher, NB. The Magritz/Omaha, Me. The Magritz/Om	Carl Debel ette im/Omehe No	855
Lave Magritz/Omaha, Ne.  Jerry Starr/Jonaha, Ne.  A Rodney Valdron/Petit Rocher, NB.  Dave Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Rich Eddle/St. Louis, No.  Steve Francis/Alcos, Tm.  Bodney Valdron/Petit Rocher, NB.  Edwe Fox/Reading, Pa.	Dame Macritz/Charle No.	60
Lave Magritz/Omaha, Ne.  Jerry Starr/Jonaha, Ne.  A Rodney Valdron/Petit Rocher, NB.  Dave Magritz/Omaha, Ne.  Bave Magritz/Omaha, Ne.  Rich Eddle/St. Louis, No.  Steve Francis/Alcos, Tm.  Bodney Valdron/Petit Rocher, NB.  Edwe Fox/Reading, Pa.	Chall Bahal steim/Omaha. No.	240
Jerry Starr/ Toungs tours. 0.  Rodney Valdron/Fetit Rocher, NB. 7.  Rave Magritz/Omaha, Ne. 6.  Rodney Valdron/Fetit Rocher, NB. 6.  Rich Eddie/St. Louis, Mo. 5.  Steve Francis/Alcoa, Tm. 8.  Rodney Valdron/Fetit Rocher, NB. 5.  Rodney Valdron/Fetit Rocher, NB. 5.  Rodney Valdron/Fetit Rocher, NB. 5.  Rave Fox/Reading. Pa. 5.	Dave Macritz/Omaka Ne.	106
Rodney Valdron/Petit Rocher,NB. 77 Rave Magritz/Omaha,Me. 77 Rodney Valdron/Petit Rocher,NB. 68 Rich Eddie/St. Louis,Mo. 77 Steve Francis/Alcoa,Tm. 80 Rodney Valdron/Petit Rocher,NB. 58 Rodney Valdron/Petit Rocher,NB. 58 Rave Fox/Reading.Pa. 59	Jerry Starr/Monnesthnero.	480
Dave Magritz/Omaha, Me.  Rodney Valdron/Petit Rocher, NB.  Rich Eddie/St. Louis, Mo.  Steve Francis/Alcoa, Tm.  Rodney Valdron/Petit Rocher, NB.  Dave Fox/Reading.Pa.	Rodney Waldrom Fettit Rocher NB.	750
Bave Magritz/Omaha Me. 6. Rodney Valdron/Petit Rocher, NB. 6. Rich Eddle/St. Louis, Mo. 5. Steve Francis/Alcoa, Tm. 5. Rodney Valdron/Fetit Rocher, NB. 5. Bave Fox/Reading.Pa.	Dave Magritz/Omaha. Ne.	780
Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Bodney Valdrom/Fetit Rocher, NH. Dave Fox/Reading. Pa.	Dave Magritz/Omaha. Me.	640
Rich Eddie/St. Louis, Mo. Steve Francis/Alcoa, Tm. Bodney Valdrom/Fetit Rocher, NH. Dave Fox/Reading. Pa.	Rodney Valdron/Petit Rocher, NR.	640
Dave Fox/Reading.Pa.	Rich Eddie/St. Louis, Mo.	760
Dave Fox/Reading.Pa.	Steve Francis/Alcoa, Tm.	500
Rodney Waldron/Petit Rocher, NR. I	modiey waldrony retit nocher who	525
mountagy war arony retra Hocher, MB. I	Producer Whiledoing, Pa.	250
	money verdron/Fetit Hocher, MB.	I23

WIST/Charlotte, NC. WCNC/Elizabeth City, NC. WINC/Baleigh, NC. WJNC/Baleigh, NC. WWWC/Wilkeshoro, NC. WWWC/Wilkeshoro, NC. WHEW/Youngstown, O. WHEW/Zainesville, O. HADS/Blk City, Ok. (boy Hill, didn't know like GY DKing, hir) KOKK/Charlis, Cr. WWIST/Corvallis, Cr. WHEW/Forvallis, Cr. WHEW/Reseburg, Or. WHEM/Reseburg, Or. WHEM/Reseburg
WHIC/Baleigh, NC. WHIC/Raleigh, NC. WHIC/Rainesville, O. WHIC/Rainesville, O. KAIS/Elk City, Ok. (boy Hill, didn't know like GT DKing, hit)  KOIL/Convallis, Or.  KILL/Pendleton, Or. (sorry about the dark, "Des Hoines" hunt I ferget to huy a new hottle of "White-Out"). KOEN/Roseburg, Or.  WHIC/Raseburg, Or. WHIC/Rainesville, O. WHIL/Reading, Pa. WHIL/Reading, Pa. WHIL/Reading, Pa. WHIL/Rewberry, SC. WHOM/Woonsockett, HI. WHOM/Woonsockett, HI. WHOM/Woonsockett, HI. WHIC/Rewberry, SC. WHIL/Rewberry, SC. WHIL/Relizabeton, Tm. Dave Whatmough/Hamilton, Om. WHEJ/Elizabeton, Tm. Carl Dabelstein/Qnaha, Ne. Sco.
WWWC/Wilkeshore,NC.  KEIR/Devils lake,NC.  WHEW/Youngstown,O.  WHEW/Youngstown,O.  KARS/Bik City,Ok.  (boy Hill,didn't know like GY DKing,hii)  KOKE/Corvallis,Or.  FIEL/Pendleton,Or.  (sorry about the dark, Des Heines hut I ferget to huy a new hottle of "White-Out").  KQEN/Reseburg,Or.  WHEW/Reading,Pa.  WHEM/Reading,Pa.  Rodney Waldrom/Petit Rocher,NB. 735  Rodney Waldrom/Petit Rocher,NB. 490  MELE/Shuter,SC.  (sorry about that Buss)  KCEE/Fierre,SD.  Dave Whatmough/Hamilton,Om.  Garl Dabelstein/Qnaha,Ne.  805  MOTHER/Corvalitie,O.  MOTHER/Corvali
MOTT S Soremen/Reaf Rapids, MR. 500 WHEF/ Toungstown, 0. WHEF/ Zainesville, 0.  KADS/Blk City, Ok.  (boy Hill, didn't know like KOKK/Okmulgee, Ok.
WHEN Teumstown, 0.  WHEN Zeinesville, 0.  Jerry Starr Zeungstown, 0.  Jen Zeinesville, 0.  J
WHILE/Zeinesville, 0.  HAIRS Elk Clty, Ok:  (boy Hill, didn't know like Eff DKing, hit)  KOKE, Corvallis, Or.  File Carr/Austin, Tx.  Bon Kaskey/Sacramento, Ca.  (sorry about the dark, "Des Moines Int. I fergot to huy a new bottle of "White-Out").  KOEN/Reseburg, Or.  WHILL/Reseburg, Or.  WHILL/Reading, Pa.  Rodney Valdrom/Petit Rocher, NB.  Rodney Starr/Foungstown, O.  470  Russ Edmunis/Farsippany, NJ. 575  Rozer Parsippany, NJ. 575
Hall Hale Minister, Id. 900 (boy Hill, didn't know like Ex DKing, hit)  ROKE/Obmalgee, Ok.  ROKE/Obmalgee, Ok.  ROKE/Obmalgee, Ok.  ROKE/Obmalgee, Ok.  ROKE/Obmalgee, Ok.  ROKE/Obmalgee, Ok.  Roke Carr/Amstin, Tx.  Bom Kaskey/Sacramento, Ca.  435 Stephon McIntire/Des Baines 1260 (sorry about the dark, Des Moines hut I forget to huy a new bottle of "White-Out").  ROKE/Roseburg, Or.  WHILL Reading, Pa.  Rodney Waldrom/Petit Rocher, NB.  Rodney Wald
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WHEJ/Elizabetom,Tm. Carl Debelstein/Cmaha,Ne. 805
WEIR/Knoxville In. Andy Rogg/Montreal PQ. 830
WKDA/Nashwille, Th. Andy Rugg/Montreal, PQ. 925
WEDG/Soddy-Daisy, Tm. Steve Francis/Aleca, Tm. 777
WENK/Union City, In. Harry Hayes/Couldshore, Pa. 780
KEAN/Brownwood, Tx. Carl Babelstein/Omaha, No. 685
KORA/Bryan, Tr. Carl Dabelstein/Omaha, Ne. 730
KSOK/Raymondville, Tx. Rick Carr/Austin, Tx. 265
EXOX/Sweetwater/Tx. Rick Carr/Hoomington, Il. 664
WSKI/Montepelier, Vt. Dave Schmidt/New Castle, De. 355
(wew?I never knew Dave Dies, hi!)) WSSV/Petershurg, Va. Andy Rugg/Montreal, PQ. 605
WSSV/Petershurg, Va. Andy Rugg/Montreal, PQ. 605 WROV/Roanoke, Va. Andy Rugg/Montreal, PQ. 640
WTON/Staunton, Va. Andy Rugg/Montreal, PQ. 570
KXLE/Ellensburg, Wa. Dom Kaskey/Sacramento, Ca. 590
WKOY/Bluefield, WW. Rich Eddie/St. Louis, Mo. 500
WTIF/Charleston, WV. Steve Francis/Alcoa, Tm. 220
WIME/Elkins, WV. Rodney Valdron/Petit Rocher, NB. 935
WOMT/Manitowoc.Wi. Rich Eddie/St. Louis, Mo. 410
WIEU/Poynette, Wi. Mike Csorbay/Canfield, On. 505
WOHT/Rhimelander, Wi. Jerry Starr/Youngstown, 0. 545
WJMC/Rice Lake, Wi. Carl Dahelstein/Omaha, Ne. 360
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Bill Hardy Aberdeen, Wa. 700
CFVR/Abbotsford_BC. Gene Allen/Valle jo.Ca. 7770
CJAR/The Fas, MB. Morris Sorensen/Leaf Rapids, MB. 200
CKIM/Baie Werte.Nfld. Rodney Waldrom/Fetit Rocher,NB. 465
CBEZ/Britt.On. Morris Sorensen/Emsdale,Om. 71
CJNH/Bancroft.Om. Mike Csorbay/Canfield.On. 170
CJCS/Stratford,Om. Joe Buehler/Toledo,O. 205
CJWA/Wawa, On. Morris Sorensen/Gods Narrows, MB. 935
CJRW/Summerside, PEI. Chris Lucas/Fairfield, Ct. 590
CJAF/Cabano, PQ. Andy Rugg/Montreal, PQ. 280 CJMD/Chibougemau. PQ. Mike Csorbay/Canfield, On. 540
CKLS/la Sarre, PQ. Morris Sorensen/Gods Narrows, MB. 1060
CFIS/Levis, PQ. Paul Mount/Teameck, NJ. 450
CKBS/Sthyacinthe, PQ. Rodney Valdron/Petit Rocher, NB. 375
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MEIL KAZAROOS: You hold the record for CFIM, but I didn't note the location you heard it at Please drop me another line, okay? I'm not going to show Norm's I240 totals now, but I'm going to put the I230 & I240 stations of his in a ME NEWS, im a few weeks I'm not up to typing the whole thing up right now. Deadline for I340, is February 5, I981. 3/p, Ril

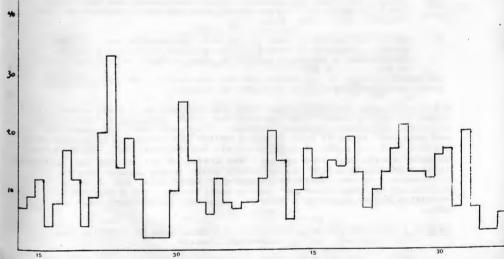




TOM "SKIP" AREY BOX 13 NOBLE ST. MAURICETOWN, NJ 08329 (609) 785-1538

Somebody once said "never volunteer for nothing" this is not only bad grammer but it is a bad attitude as well. With this in mind I stuck my neck out and wrote the LFC concerning this column. I hope to maintain the high standards and quality set by Bill Hardy and Dave Arbogast. This will only be possible if everyone in our club who enjoys the information provided by this column "volunteers" information about the sports and the sports networks. I am looking forward to the help of all of our members, especially those with more experience with sports networks. But this is also an opportunity for newer or less experienced members to contribute to DX NEWS. Even if you can't list a super-fantastic DX catch in Dome\_tic DX Digest or International DX Digest, (although I hope you do), you can listem for your local sports networks. Remember, if it is local for you, it is DX for someone else. Please join with me in this opportunity to provide the most up-to-date information in the best BCB DX journal.

This graph shows the daily variations in Afr., the Fredericksburg (VA) index of geomagnetic activity in the earth's magnetic field. High values (above 20) indicate that medium wave signals in upper latitude paths will likely be absorbed, thus resulting in "auroral conditions", with signals from the South and from local stations predominating due to this absorption of the more northerly signals. Low values over a period of time indicate a liklihood of more receptions on the higher-latitude paths — more, and more northerly TA's and TP's. Several days of low values following higher ones are needed for conditions to return to "normal", due to residual absorption. Long periods of extremely low values (6 or less) are necessary to raise the possibility of good high-latitude conditions throughout the entire MW band, although this is not the only requirement. For additional information on the use of the Afr. and related indicies as a DX tool, consult the NRC Reprints List for relevant articles. —RjE



AUGUS

# TAPE RECORDING TIPS

MORE THOUGHTS ON TAPE RECORDING FROM THE TRF AND OTHER PORTABLE RADIOS

by Mark Connelly

The purpose of this article is to update portable radio-to-tape recorder interfacing techniques initially outlined in the "Travelling DXer" article.

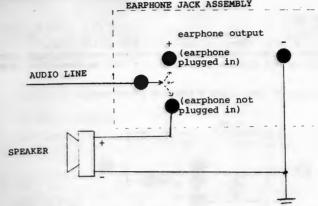
Several considerations were addressed:

- The earphone jack is best used as a tape-out jack; a separate jack for stereo headphones should be installed for private-listening purposes. Earphones made for portable radios have too poor audio quality to be suitable for extended periods of private listening. The small earphone jack is to be modified to provide audio out and still allow speaker listening. This former earphone jack is treated as a tape-output only.
- 2. A local speaker/headphone audio level pot should be used so that adequate levels for recording may be put on the audio line without being too loud for comfortable speaker or headphone listening. The speaker or headphone volume may thus be adjusted without effecting the tape-record level set by the main receiver pot.
- 3. Impedance "seen" by the audio output transistor(s) should be between  $4\,\Omega$  and  $40\,\Omega$  under all conditions.
- 4. The receiver/recorder interface should accommodate a variety of tape recorder input impedances and acceptable recorder-input levels. Some cheap cassette portables have microphone inputs, but no auxiliary/remote inputs. Mike inputs usually call for a low-impedance, low-level signal. Some, however, call for a low-impedance/high-level signal. Auxiliary/remote inputs on cassette portables and the normal phono-jack inputs of hi-fi cassette and open-reel home component decks require a high-impedance audio input, usually between 500 A and 50K. 5K is a good high-impedance-condition compromise.
- 5. Level-varying and impedance-varying interface components should be located as close to the tape recorder input jack as possible; to prevent hum pick-up a low-impedance/high-level audio condition should exist along most of the line from radio to recorder. This requires that the components used to match the tape-input characteristics be installed outside the radio on a small "Vectorboard" (incorporated into the patch cord) near the recorder end of the patch cord.
- 6. We may occasionally want to use both the speaker and the head-phones. Instead of disabling the speaker by plugging in the headphones, a separate switch is used to turn the speaker off or on.

The modifications to the radio and the construction of the necessary patch cord are detailed in drawings to follow.

After performing modifications: Put the receiver on a clear signal at normal listening level after setting the 250 \( \Omega\$ local-gain (added) pot at lowest resistance (highest volume). Plug patch cord into recorder and make test tapes at each of the 3 switch positions (on the patch cord switch). If the audio is too low on all switch positions, increase the receiver's main pot, then adjust the installed pot to make the listening level comfortable again. Satisfactory audio levels should then be attainable. If the recording sounds good level-wise, but there is distortion or "motor-boating" (audio oscillation), try a different impedance switch position & make any necessary audio-level readjustments.

Figure 1 - Stock portable radio/audio connections to earphone jack & speaker, before transmogrification.



SUMMARY OF MODIFICATIONS

Figure 2 Drill chassis and mount a stereo headphone jack, a small 0 to 250 potentiometer, and a micro-miniature toggle switch at convenient locations on the radio. Wire these up, according to the drawing below

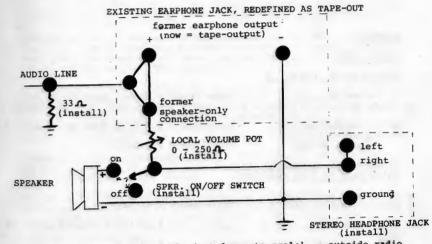
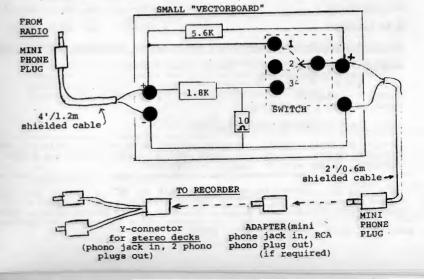


Figure 3 - Patch Cord Assembly (not drawn to scale) - outside radio

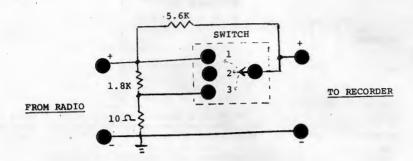
Cut the patch cord 4'/1.2m from one end, 2'/0.6m from the other end.

Note: + = centre conductor of cord, - = shield (outer conductor).



NOTE: Switch used is an SPDT/ centre-open, 3-position type. Switch positions in this application: 1 = Low impedance/high level out, 2 = High impedance out (centre position), 3 = Low impedance/low level out.

Figure 4: Schematic of vectorboard part of patch cord



#### APPENDIX

#### PARTS LIST

### Inside radio (Figure 2)

Radio Shack # 271007 (pack of 2, only 1 used) 33 ~ resistor (Cramer Electronics (Newton, MA.) 1979 catalogue, p. 179 0-250 n pot Clarostat # 381L-250

Radio Shack # 274312 (pack of 2, only 1 used) stereo headphone jack

SPDT micro-miniature toggle switch

Radio Shack # 275625

#### Outside radio (Figures 3 & 4) Patch cord to tape recorder

patch cord - 6'/1.8m Radio Shack # 42-2420 mini-phone plug each end

# 276-1394 (only a piece of it is "vectorboard" needed)

# 275325 SPDT centre-off toggle switch

# 271-1324 (pk. of 5, only 1 used) 1.8K resistor

# 271-1301 (pk. of 5, only 1 used) 10. resistor

# 271031 (pk. of 2, only 1 used) 5.6K resistor

# Additional patch-cord accessories which may be necessary for some tape decks

Radio Shack # 274326 adapter: mini-phone jack to RCA phono plug

# 422435 stereo Y - adapter:

phono jack to 2 phono plugs

#### TOOLS & MISCELLANEOUS ITEMS REQUIRED

Solder, soldering pencil, longnose pliers, wire cutters ("dikes"), wire stripper, X-Acto (or similar) knife, drill, drill bits of the proper diameter, solder wick or sucker, screwdriver.

### Here we go again with another edition!

#### FOR SALE - RECEIVERS

DRAKE SPR-4, w/ AGC & selectivity mods & better than stock brass (vice nylon) tuning gear mechanism. \$250. (Gerry Thomas, 3635 Chastain Way, Pensacola, FL; (904) 432-8208)

REALISTIC DX-160; 4 yrs old, modified for selectivity & readout by Radio West. Q-Multiplier installed also. Needs minor electrical work. \$200. (Guy Kudlemyer, 1314 City View #1, Eugene, OR 97402, (503) 344-7046)

SONY ICF-3000W w/ AC cord. same as new. exc. cx. \$75. bank draft please. shipped UPS. (Robert Heckenlively, Box 281, Yankton, SD 57078)

YAESU FRG-7, w/Radio West modifications: 2.9 khz. Collins mechanical filter and DD-1 3 digit digital readout. Less than two years old- in mint condition. With manuel, first \$375. takes it, UPS prepaid in continental U.S. (Dick Truax, 3003 Gleeson Ln., Louisville, KY 40299- for member John Reed) 502-491-2871.

REALISTIC PRO-2001 16 channel/6 band programmable scanner. Their top of the line model, only six weeks old. Over \$400. value new-will sacrifice for the first \$300. offer received. With manual, original packing including both UHF and VHF whip antennas. (Dick Truax as above)

HALLICRAFTERS R-274D/FRR (SX-73). This is Hallicrafter's version of the famed Hammarlund SP-600(also a R-274 model). In excellent condition EXCEPT AGC is inoperative. With full manual-as is \$150. plus shipping. I am working to get AGC fixed locally, if desired repaired, repair costs will be in addition to above price(not to exceed \$50.) (Dick Truax. 3003 Gleeson Ln., Louisville, KY 40299). Added at HQ-ED.

HAMMARLUND HQ-180AC w/ matching spkr. Precisely aligned by RFS himself. Not new, but in exc. working cx. Best offer after competetive bidding (see after next item - ed.) (Schatz)

COLLINS R-388/URR in good-exc. cx. Modified as follows: non-momentary meter switch, gold-painted front plate, Radio Shack knobs, Recently aligned, both mechanically & electrically including VFO (PTO) by RFS himself. Spkr. and alignment tools not included, but will throw in manual. Best offer after competetive bidding. (Schatz)

\*\* Re the above two items: Submit bids, along with phone number, via either mail or phone. Inquire on bid status by phone only. Most viable bids will be contacted, when possible, via WATS weekdays 1630-1700 LT. (Ronald F. Schatz, 5651 SW 2nd Court (106), Margate, FL 33068; (305)-971-3605, 1800-2300 LT)

#### WANTED - RECEIVERS

NATIONAL NC-190: HAMMARLUND HQ-145: HALLICRAFTERS SX-122 and LAFAYETTE HE-30 receivers. Model must be in nearly new or mint cx, electronically excellent mechanically fine, with no sign of excessive use. Submit your price, I pay shipping. (Steve Kennedy, P.O. Box 231, Immokalee, FL 33934)

# 736 - de RIE

Eugene Register-Guard 12/17/80 via Guy Kudlemyer

## Portland radio station has first 24-hour day

PORTLAND (AP) - After 54 years of daytime-only operation, Radio Station KXL-AM of Portland did not sign off on Tuesday afternoon. The station, which features a news-talk format with music on weekends, received Federal Comme nications Commission perm broadcast around the clock.

General Manager Ray Watson said the station has been trying for about 25 years to get approval for a 24-hour oper-ation.

Instead of signing off as normal at 4:30 p.m. on Tuesday, the station reduced is power from 50,000 watts to 1,000 watts and continued broadcasting It will go back to 50,000 watts at 6 a.m.

A late call from Bob Mielcarek advises that the silent period for WLS-890 originally announced for 12/22 in the last bulletin was changed at the last moment to Mon., 12/29 as a program change on 12/22 necessitated a schedule change. This will be too late to be of any value to anyone, but perhaps many will catch WLS off on 12/29 anyway.

Gerry Thomas Armand DiFilippo

SONY began test marketing a new radio in the New York City area in May of 1980 and, from what we've been able to learn (from company-released information), this radio appears to have been designed with the BCB DX'er in mind! Yes, you read right. This radio not only appears (on paper, at least) to have the potential to be a great BCB DX machine, but one that actually encourages the casual purchaser to listen to distant stations (and, hopefully, become an inveterate DX'er like the rest of us, hi!). It accomplishes this latter deed by the use of a unique "Zone Selector Dial" which, in essence, is a station log broken down into 10 geographical areas. The way it apparently works is --- First, you identify your geographical zone, then the "Zone Dial Area Selector" is rotated until the selected zone appears on the dial scale; now, across the dial there appears a listing of the stations (at their proper frequency positions) which should be audible in your area. Pretty neat, huh?

The cleverness of the Zone Dial Selector notwithstanding, though, the SONY ICF-S5W will be of little value to the DX'er if its performance doesn't measure up. Because the ICF-S5W has not been officially released (it is due out nationally in early 1981), only speculations about performance, based on SONY literature, can be made at the present

time, so here goes.

First, the hard data. The ICF-S5W is an AM/FM radio weighing 2 lbs. 9 oz. (with batteries) and measuring 6-3/8"H x 8-13/16"W x 2-5/16"D. It is powered by either three C-cells, an external AC adaptor (optional), or 12 VDC (with optional adaptor) and uses a dynamic 4" speaker housed in its dark grey cabinet. Semiconductor complement includes 12 transistors, nine diodes, three FET's (yep, an FET front-end), and five LED's. The antenna system is comprised of a telescoping whip and external antenna terminal for FM and an "oversized ferrite bar" for AM. There is also mention of a 4-element ceramic filter which, presumably, is an FM section component. Somewhat surprisingly, there is an RF gain control in the form of a "Local/DX" switch which is operative on the AM band. Other features --- "3 LED indicators (which) show optimum tuning;" a continuously variable tone control; and a detachable carrying strap.

The brochure describes the performance in the following manner --- "The ICF-S5W offers outstanding sensitivity and selectivity which means better reception of weak, hard-totune signals and clean, clear reception in crowded dial areas." The June, 1980 issue of Consumer Electronics also spoke highly of the ICF'S5W's selectivity. We DX'ers, however, have standards of performance somewhat more stringent than the average con-

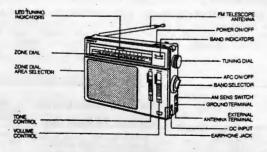
sumer, so a thorough test of the unit is what is really required.

Some closing observations might be useful. In the SONY literature, no mention is made of whether the front-end is tuned or un-tuned (i.e., Is the ICF-S5W a "TRF"?). In reference to the dial, the tuning scale includes not only the "Zone Selector" feature but also a linear numerical scale (i.e., no bunching of frequencies on the high end!); the resolution of the scale could not be determined from the illustration, however. On the selectivity issue, it appears that IF amplification is accomplished through individual transistors so the emitter by-pass capacitor substitution modification could be readily applicable here. Finally, the operational life of the three C-cells is a question mark.

I guess this is where it is going to have to rest until someone can get their hands on one for a proper performance evaluation. We're told that the ICF-S5W will be (is now?) available from 47th Street Photo, Inc., 67 West 47th St., NY, NY 10036 at a discounted priced of \$58.50 (list price, by the way, is \$74.95). A brochure on the ICF-S5W can be obtained by writing to Joan Bardong, Consumer Relations, SONY Corp. of

America, 47-47 Van Dam St., Long Island City, NY 11101.

73's and Best of DX!



P.S. Late word has it that Sony is apparently interested in obtaining feedback from DX'ers on the performance of the ICF-S5W.

SOME NORTH-WEST CHANGES

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

PETER A. NOLAN - Box 1524 - Eugene, OR - 97440 This will be quick, as there's been almost no DX in the last week. More free time, less DX. 11/26- 4:44am KDOT-960, ex-KAYK, on top for new station #705 on the call change. They're doing an adultish T-40, apparantly live now, and using calls instead of the ubiquitious "K-96" slogan they loved. No idea if they still simulcast. Semi-local KROW-1460 is no longer, they're off the air until "January or February," when they will return under new calls and owners as KWIP, adult MoR format. The protagonists include ex-KEX PD Eric Norberg and other Gene Autry graduates. KKNW-1510, Mountlake Terrace, WA (the old KAAR), is shooting for an on-air date of 12/25, also w/AC. ROB HARRINGTON relays that KLDR is having XR troubles & won't be 24 hours until next Summer (at least). 11/29 I noted KEX & KMPC simulcasting as the UCLA and Oregon State RB networks were combined for their game in Tokyo, Japan. The two announcers alternated by quarter, & affiliates of both networks carried the same broadcast live. KEX and KMPC are flagships for the respective networks; one wonders if their co-ownership helped facilitate the arrangement, hi. Enough for this week; Season's Greetings, and remember to give Santa a big surprise this year: grease the chimney.

HE HEARS 129 STATIONS BY DAY

PAUL SWEARINGEN - Box 500 - Moran, KS - 66755 316-237-4584 At long last, I finally found time during the weekend of 12/17 to DX, although T-storm QRN destroyed some IDs. The Canadians were in strong the evening of 12/6, with CHAB-800, Moose Jaw, SA in nicely for a tape @ 6:47pm. Unn CKDM-730, Dauphin, MB offered a cheery funeral announcement about the same time. The next day, I ran a bandscan from 11;30-12:15...and discovered KBOE-740, Oskaloosa, IA u/kRMG @ 12. Incidentally, the bandscan produced 36 each KS & MO, 20 OK, 10NE, 7 IA, 5 IL, 4 TX, 3AR, & 1 each SD (WMAX-570), TN (WSM-650), MI (WJR-760), NM (KOB-770), MN (WCCO-830), KY (WHAS-840) WY (KTWO-1030), & OH (WWWE-1100). Send me an SASE if you want the whole list, hi. Evening DX produced such splits as YSS-655, Belize-834, R.C.L.-1165, all more or less regulars here. Other splits, some with audio, some not, revealed by the BFO setting on the HQ-180: 541, 553, 555, 575 or 576, 595, 660+ (someone off channel), 675, 725, 785, 825, 850+, 905, 995, 1025, 1045, 1075, 1125, 1545 (who?), 1555; some known, some not. Other recent splits that Southern DXers might want to check on include 625, 735, 745, 906, 944, 976, 1408, 1456, 1512, 1015, 1144. This portion of this Muse is being typed by kerosene lantern due to lack of electricity (dratted T-storms!). I've managed to sew up much of my extra time this season by taking six college class hours, serving as 1/3 of the high school Pep Club sponsorship (a real pain; Tuesdays & Fridays are shot), chairman of the professional committee and of the K-NEA local negotiations team (We ask for more pay and better conditions), editor of the Kansas Scholastic Press Association newspaper (that'll make you appreciate the job the LPC and DX NEWS column editors are doing), and treasurer of Osage Township. Oh yes, I still teach Journalism (yearbook & newspaper), English, & Spanish at Marmaton Valley High School. Anything (and everything) to keep me out of the local pool hall. The blasted lantern is about to stink me out so I'll listen to the TRF &

A DALLAS BANDSCAN

CHARLES GEORGE - 6407 Howard - Dallas, TX - 75227 I received a very nice surprise Sunday night, Dec. 7. when I got a call from JOE KRUEGER. He gave me several tips on hearing stations in Ecuador, Republic of Guinea, & other countries on the MW. In this Musing I will enclose a bandscan of stations heard at noon ELT (excluding the Metroplex stations): 550 KTSA, 590 KLBJ, 600 KTBB, 610 KILT, 620 KWFT, 630 KMAC, 640 WNAD 680 KKYX, 690 KGGF/KZEY, 710 KEEL/KGNC, 740 KTRH, 750 KSEO, 790 KOSY, 850 KRPT, 860 K FA. 890 KBYE/WLS, 900 KCLW, 910 KIKM, 930 WKY, 940 KTON, 950 KDSX, 960 KIMP, 980 KCIJ, 990 KNIN, 1010 KKIK, 1060 KHYM, 1110 KEOR, 1130 KWKH, 1140 KORC 1170 KVOO 1220 KZEE, 1230 KSST/KWTX, 1240 KVSO, 1250 KPRE, 1260 KTAE, 1280 KLUE 1290 KTRN, 1330 KMIL, 1340 KAND, 1350 KCAR, 1370 KFRO, 1400 KGVL, 1410 KEUD, 1420 KFYN, 1460 WACO, 1490 KPLT, 1500 KTXO, 1510 KMOO, 1520 KOMA, 1550 KMAD, 1560 KHBR, 1580 KGAF, 1590 KBUS. My old Log just fell apart completely on me. I guess it is time to think about buying a new Log from the Club. CUL and 73, 88's where applicable.

HERE WE ARE. BIGGER AND BETTER THAN EVER! GET INTO THE SWIM AS WE ENTER THIS BRIGHT NEW YEAR BY SENDING IN A MUSING, DOUBLE-SPACED, OF COURSE! PLEASE STICK TO ELT, AND A.M. & P.M. AND TRY TO STICK TO DX-RELATED SUBJECTS.

(26)

MOURNS LOSS OF A LOCAL ROCKER

MARK CONNELLY - 30 William Road - Billerica, MA - 01821 It's been a while since my last Muse so here goes. First of all, thanks to RAY & ARLENE ARRUDA for a good DX GTG. Ray's KDAY DX tape was great. Your neighbourhood has the same dimmer noise problems as mine: of we both get Sanserino loops, that should help considerably. On the local scene: WGTR-1060 has gone all-news & should be on fulltime with more power by the time this Muse is printed. WGTR's dropping of rock for news just leaves T-40 WRKO-680 as a local AM source of rock. Unlike old WGTR, though, WRKO plays little real rock (e.g. Cars): most of its mx is WBZ/WHDH-style adult contemporary mush of the Steisand/Manilow/BeeGees variety. PHIL BOERSMA is right: AM radio as a source of rr is going down the tubes. It's pretty pathetic when oldies shows have the best rock on AM. Most of my friends in the 20-40 age range listen to FM exclusively, usually to album-rock stations. I don't have an FM in my car because most AM/FM car radios have vastly inferior AM sensitivity (hence poorer DX-ability) than AM-only units. In-line FM converters also rob you of AM sensitivity, even if you retweak the car radio trimmer cap. During the Autumn & Winter, over half of my DXing is from the car: mobile DXing permits coastal sunset TADX superior to that heard inland on top-notch home DX gear. This, however may go by the boards: if AM programming continues its present trend toward terminal musical mellowness & lifelessness, I'll be forced to put FM in the car to retain my sanity. Like Kaz, I primarily listen to AM for DX, FM (at work & at home) for entertainment. WGTR's demise as an AoR station has accentuated this. I think too many stations have Larry King: in some places, he can be heard at local quality on a dozen different stations at the same time. Local WITS had the Waltham 50kw rig on briefly in late November for the Harvard-Yale FB game: signal in Plymouth, MA was good according to a guy at work. It should soon be in fulltime service. MIKE KNITTER: why don't you run a cassette on your DX so you won't miss ID's while "relieving yourself"? Best to all in the New Year.

\*NEEDS HELP UNDERSTANDING SOME SS STATIONS\* MIKE KNITTER - 2159 Circle Drive - Cambridge, WI - 53523 12/15/80 Anybody out there willing to listen to a couple of cassette tapes? I've got a couple of tapes with some splits on it & they are in SS or something. I tried my local H.S. SS teacher but the teacher claims he can't hear what's on the tape, says it's too muffled. They sound OK to me. Maybe he needs to develop a DXer's ear, huh? Anyway, if you're interested in helping, let me know, I'll even send them to you with return postage, hi! I went into Milwaukee & had a long talk with BOB MIELCAREK, his idea on writing to the NSP stations is great. Anyone else interested should contact Bob. I've got a 1-out -of-eight CPC request return so far on CPC TESTs, not bad for a rookie, I figure! I re-did the ol' shack, wife didn't care too much for my make-shift console, so...out it went, and in its place went a large wooden desk, now it looks pretty good, now if it only receives those signals better. Stations heard here are in the DDXD column, I couldn't see duplicating it here. And by my calculations this should appear in time for the New Year to be just getting under way, so I hope everybody had a joyous holiday. You know, if everyone in the Club wrote a Musing, LPC would have a 200+ page DX NEWS, I bet that would not only be a World's record but I bet the suicide rate in Louisville would jump up quite a bit. CUL. I hope you're having a good holiday season! Ho ho ho:

\*BELATED SECOND ANNIVERSARY OF MEMBERSHIP MUSE\* STEVEN MILLER - Boston, MA Vol. 4 No. 35 Hello everyone, how's DX? Well here it is the long-awaited second year of membership Muse. First a brief re-introduction: I'm 19 years old (excuse me from lying from the first anniversary Muse), a high school senior, employed as a dishwasher & messenger, both part-time. I'm receiving business skills training at a neighborhood Skills Training Center. I've been an MW DXer since July of '76. Hopefully this is the Vol. 48 #9 issue, if not, "better late than never." Anyway my 33rd consecutive log report is in that issue. As of this issue, I'm now an official member of the three major SW "exclusively" DX clubs, NASWA, Speedx & ASWLC. So now I'm a member of the three MW exclusively DX clubs, & SW DX exclusively DX clubs. After a short while, I will lave framed five DX-club membership certificates. The only exception being that the GWDYA doesn't issue any. Also by the time this sees print, I will be the proud owner of a brand new elite type electric typewriter - that's right! I've finally got it: DXing achievements are as follows: 282 heard, none verified, no foreign logged, 33 states heard, seven provinces heard. Also five on 1340, four on 1400, seven on 1450, six on 1490, three on 1230 & finally eight on 1240. Most recent & farthest GY reception to date, KTUC-1400 in Arizona, noted w/cBS Radio Mystery Theatre, details (hopefully) this issue's DDXD or last issue's. Now an update from the new DX heard listed in my previous Muse #34. They are as follows: WAKR-1590 OH, WCOU-1240 ME & CKJD-1110 Ont, & finally, WMMW-1470 CT. Recent new DX heard is as follows: VOCM-590 NF, WIOD-610 FL. CKEY-590 Ont., CJSS-1220 Ont., WMOD-1300 FL, my most treasured catch: KTUC-1400 Arizona confirmed by the current IRCA Almanac. Publications - I've yet to posess are The '81 WRTH, the World DX Guide, the IRCA Technical Handbook, the '81 NRC Domestic Log, the new IRCA Almanac. Items I've yet to own are: a 24 hour G GMT clock, a shotgun loop for the TRF. By the way the typewriter is an Olympia.

(Steve Miller, con'd.) Well, whatever this issue is, 94°s and to all have a safe and joyous holiday season. Also, Merry Christmas! And Happy New Year! Produced by Steven D. Miller, for BCB Productions, Inc. And to all a good night.

#### STUCK FOR A CLEVER HEADING!

MIKE CSORBAY - R.R. 1 - Canfield, ON

Hello again, NRCers. Here is that last part of my November DX 11/21 brought CBOF-1250 w/FF talk by M @ 7am, before school. At SSS, WKGX-1080 showed up with an excellent signal, 5:07-5:11. 11/22 was enother good day; CMAN-550 Cuba with IS & SS talk by M & F@ midnight, then WHTN-800 & WZAP-690 both at SSS. The AM dif 11/23 brought me WPTF-680 w/beak in King Show for ID, first time I had a total null on pest CFTR. At 1:39 I tuned in to WJIK-1580 w/an ET using a repeating tape w/mx & an ID, tape about a minute long. signal excellent in CBJ OC. I came back after 2 & still excellent, what's their power? (5kw D-1 -ERC) I sent a report - not expecting anything big from them since they're new, but a verie would suffice. At SSS, I logged WAPE-690 for FL #6. My Mother went Up North for a few days, so Dad & I shared the coking duties, & as a result didn't get much time to DX, at least not at SSS. 11/24 brought WNCT-1070 at SSS, 11/26 WFRB-560 @ 6am s/on, excellent signal, & 11/27 gave me XEROK-800, also in the morning. I don't DX foreign too much, but it's amazing what one will do to keep a station a day pace intact! Ihad 27 stations after logging XEROK on 11/27, & I'm looking forward to the weekend (I'm typing this before SSS 11/28). I just got the 11/24 issue today... I was home lick from school, so I thought I'd do another Musing. To everyone who reports CKAN-1480...the town is Newmarket, one WHOLE word! DICK TRUAK, of those beacons you listed, UUP is in Ottawa, Ont. & I believe GF is in Cleveland, OH. I haven't heard my friend RAB from Guatemala for quite a while. Is there any place I can get addresses for these borderline BCB beacons? I'm sure others would be interested in this info as well. ERC, where do you come up with those titles for these Musings? Haven't you run out of ideas yet? 73/NRC, I hope everyone "Down South" of me had a great Turkey Day.

DR. TOM WILLIAMSON - 400 Waterloo Avenue #1105 - Guelph, ON

Since I have just rejoined the NRC after nearly three years away, I suppose a re-intro is in order. I'm 57, married, with four grandchildren now (how did that happen so fast !! ). Occupation is MD Pathologist but I'm currently teaching veterinarian Students Pathology at the University here. I have been in Guatemala since 1966 assisting the laboratory in a hospital in Quezaltenango in the Western highlands, about 130 miles from the capital. A good site for SW reception but limited use for BCB since after I'd cleaned up Texas, Louisians & Alabama there wasn't much else I could get. Main trouble was the interference from the numerous Mexicans which lay in the path of any U.S. DX, not to mention the numerous other Latins all over the dial and most of the night. While I love their music I can't get excited about them DXwise because they are awful QSLers. DX without QSLs is nothing to me. You can keep your tape veries! So much of my listening was on SW which was very good for Malaysia & Indonesia. However I did once call the night DJ at KOAM, Pittsburg KS once to tell him I was tuned to his program & he nearly fell off his chair! He kept on talking about it for half an hour! But NEVER QSLed! Such is life. I never had any success in getting any replies from my local Guatema-lan stations whilst living down there! Well anyway I'm back in Canada for good I hope, and very happy. I would be very glad to chat DX with anyone by phone, especially NRCers in Canada. OH. PA. & NY states. Also anyone who has experience of the Palomar or Radio West Loops. Please give me your comments. Phone here is 519-836-5586 usually between 6 & lopm EST. Merry Christmas to all.

DON'T FORGET THAT OUR VERIE SIGNERS COLUMN IS NOW BEING HANDLED BY WAYNE HEINEN WHOSE ADDRESS IS: 427 EAST CARAMILLO STREET - COLORADO SPRINGS, CO - 80907. OR INCLUDE THEM WITH YOUR MUSINGS ON A SEPARATE SHEET OF PAPER, DOUBLE SPACED.

DX IS GOOD IN NEBRASKA

NEIL G. ZANK - 623 Lyncrest Drive - Lincoln, NE - 68510 Dec. 7, 1980 Holiday greetings to one and all of you NRCers. It seems that the DX season has been a long time coming around here, T-storm static noted on the MW band again this morning. But some DX has filtered through my ears anyway, & I will share it with a Muse. 10/30- WHFB-1060 Benton Harbor, MI heard quite well on ET with involved IDs 12:50-1:15am, this from a ROLLAND LINDBLADE TIP. 11/3 a COOD SIGNAL FROM KGRO-1230 Pampa. TX on announced ET of TT & MoR mx2:10-2:18am. 11/10, not heard was unn WYNN, only unID TTer, CBK & KWMT s/on for ET @ 1:36am. 11/11, a surprise on 710 with WDSM Superior, WI on top of frequency w/c/w mx, never heard before except at SSS. 11/17 a tentative on WSNW-1150 Seneca, SC with one possible VID & some clarinet jazz mx - verie received to confirm this one since. Reports taken on WDUZ-1400 Green Bay, WI @ 3:20-3:55am w/T-40 mx, first IDed last Wihter, but not good for report then. 11/9- Tentative on WMCL-1060 McLeansboro, IL with everything but ID, natch; c/w mx, ads for Mt. Vernon & Springfield 5:35-5:45pm. 11/24- CPC TEST from WCUB-980 Manitowoc, WI in fair-good 1:30-1:50am w/IDs, TTs, & Harry Chapin vocal mx, thanks, MIKE KNITTER. 11/26- Another ROLLAND LINDBLADE tip in KLFB-1420 Lubbock, TX on night operation w/SS tunes & SS & EE IDs 3:15-3:3lam. 11/27- I noted another new night operation with KKIN-1010 Waco-Marlin, TX on 3:06-3:15am w/ c/w mx & "KK" slogans. 12/6- I noted a good signal from KLMX-1450 Clayton, NM on f/c-TT & CIDs & closing VIDs 2:09-2:20am, best I ever heard them here. And a shock on 1130 in CKWX Vancouver, way on top 3:01-3:15am w/NX, spots & c/w mx, first time heard here since the 60's - one of the spots was for the OK Corral in New Westminster where there is a Dolly Parton look-alike bikini contest. Veries received from KGO, WDLM, KKIM, WHFB, KGRO, KTLO, WILS, WDUZ & WSNW. V/s were sent to WAYNE HEINEN, let's get him busy! If you want any more CPC TESTs, some of you people are going to have to take part!

KNIX-1580 IS VERIFYING NOW STEVE FRANCIS - 1620 Lodge Street - Alcoa, TN - 37701

V/f in from KNIX-1580 after four tries dating to '76; glad to see they've finally made some arrangement for answering DX mail. 12/10- KTUI-1560 MO fair u/WPAD 6-6:16 w/r/c-TT & ID every five minutes; thanks for tip, KARL FORTH. 12/11- After 18 months of hearing tone only, I finally got an ID from KMAV-1520 ND on their r/c, 1:45-1:57, thanks to WKBW being on w/OC only. There were about four breaks during this period ar irregular intervals, but I only managed to get an ID on one of them, due to one of the poorest voice-tomodulation ratios I've ever noted. The ID given by a soft-spoken female was barely sudible here, even though the TT was doing mighty well on the open channel. I see now why I never heard a trace of an ID when Buffalo was on. ND #4 here, taped report sent. Ordnarily something this "exotic" would have made my week, but I wasn't capable of much exultation after what had happened a couple of days earlier. 5:19pm, WJBB-1230 AL was atop for several minutes w/local spots. This gives me 90% of Alabama's AMers, IF the 810, 1010, 1230 & 1450 CPs are still not on yet & IF WCOX-1540 hasn't moved to 1450 yet. I could make a few directory assistance calls to find out, but ignorance is bliss, hi. 12/12-R. Honduras-890 actually covering WLS at times between 5 & 5:30am w/semi-cl fare much weaker //shoted on 870 & 880. They gave a complete rundown of cities, powers & frequencies @ 5:30, but had dropped u/WLS by then & I couldn't get anything specific out of the tape. Maybe WRTH '81 will have the scoop. 12/13 -WHEO-1270 VA readable w/6am s/on-SSB, 5kw CP is on per announcement. SM 12/14-Trying for unn WMOV-1360 TEST brought a TT starting up @ 5:52 u/WSAI, naught else heard. WSAI is like a local here at times & that was one of 'em. MM 12/ 15- WAWA-1590 TEST in fair u/o WAKR w/sporadic TT & IDs heard @ 1:22. 1:38 and 2:08, cleans up WI on 1590 at this shack. WSWW was also testing & their ID was caught @ 1:30. WCKY has shifted their PSA ghetto from wherever it was to MMs, goodbye 1530. Cheer up everybody: once WOWO & maybe a couple of others go NSP. every 50kw clear in the E will be NSP & then things can only get better. DXing MM will be a matter of looking for irregular SPs & there'll be nothing more to dread, since things are already as NSP as they can possibly get! Who's the AN I'm hearing u/WLAC-1510's tele-talk w/adult contemporary, AP NX, & F DJ? Some TT u/KYW during WHFB-1060's second MM times, but no ID, I'll try again when they're supposed to be on w/full power as I'm probably the only DYer who still needs 'em. I'm beginning to ramble, see you next time.

ANOTHER FORMER NRCer RETURNS - WELCOME!

TIM DAVISSON - Box 255 - Cuyahoga Falls, OH - 44222 (By phone 12/22/80) I've just rejoined the NRC - I am now 32, and was a DJ, but now I am a counselor at United Electronics Institute. I have an SPR-4 that overloads badly w/an LW 300°. My locals wreck everything above 1100 kHz on it. I would like to correspond with FL & OH members - I used to live in Tampa. My heard/verified score is 1,269/489, but I have not Dxed since 1973. I'd like to hear from any NRCers who work in radio. On MM 12/22 I heard WSUN-620 weakly @ 1:20 on AN sked, and also WQXI-790 @ 1:23, and an unID on 740, likely KTRH. It is good to be back in the hobby and in the good old NRC!

\*COULD ALSO HAVE BEEN A THREE-LINER ! \* PAUL MOUNT - 471 Emerson Avenue - Teaneck, NJ - 07666 (By phone 12/22/80) Happy Holidays to all! WEVD-1330 is now on till 3am MMs w/rock.

HANK'S LOGGED SOME EXCITING "TIZZIES"

Dec. 13, 1980 HANK HOLBROOK - 7211 Chestnut Street - Chevy Chase, MD - 20015 It's time for a pre-Christmas Muse. Since my last report a few weeks back I'vd managed to log a few stations. All listed have been reported & those underline have QSLed. As usual I'm tuning from two locations - Chevy Chase MD where I am using an SP-600 & from the cottage at Fair Haven MD where I am using an HQ-129X, 30 years old. From Chevy Chase - 10/13 4:47-5:04 EDT WEUP-1600 AL good. 11/14- R. Paradise, 4:48-5:15 with nice signal on rheir new 825k channel; and on 12/6 WSBV-1560 VA 7:10-7:15am, a new station. Only BCB logging from Fair Haven was WAFL-930 Del. 10/19 from 10:21-11:05 EDT w/QRM from WFMD. Now for some of the more exotic TIS loggings. On 530k, Gatlinburg, TN from 5:38 to 6:17am 10/9. Returned my PP/c listing antenna height at 48' 2"! w/a power of TEN watts. Also on 530, Knoxville, TN on 11/5 from 8 24-10:06pm with highway construction information for routes leading into downtown Knoxville, QRMed by Gatlinburg but usually on top. I sent report to State Highway Dep't. in Nashville but no answer to date. Anyone have a better address? (STEVE FRANCIS, are you there? -ERC) Both this station & Gatlinburg have been noted a couple of times here in Chevy Chase. Up on 1610 kc/s. I got a log on WXT613 Cincinnati Int'l Airport for 10/16 from 5:20-6am and also notes from several previous days. I received their v/q showing TWO watts: Then also on 1610 I heard an unID station from Fair Haven on 11/2 with mention of Civil War and park hours. Reception covered hours from 5:47 to 6:46am EST, very weak. I sent a report to KID-774 Gettysburg, PA. This is the one KERMIT GEARY reported .he same AM with a "nice" signal. F/ups have produced two PP/c's from WAVA-1350 VA & from WIBG-1520 NJ. All-band QSLs are now at 11,088 stations of which 2,427 are on BCB in 101 countries. SEASON'S GREETINGS & GOOD DX TO ALL! 73.

"SCADS EAST" - SCADS OF DX, THAT IS!

KERMIT GEARY - R.D. 4 - Box 321 - Walnutport, PA - 18088 Dec. 11, 1980 It's either feast or famine in this DX game. Until 11/10 I had sent out only seven reports: 8/12- CKAN-1480 "The Friendly Voice of York Region - South Simcoe in solid 10:35-11:25pm. 10/6- WLQV-1500 in the clear 2:15-3am. 10/15- WKXW-1260 w/Music to Remember 11:45am-1pm. 10/26- CKNS-930 o/WBEN 12:39-12:51am. 10/28- WMLB-1550 o/CBE 6-6:15am, & WGWY-1390 o/WFEL/CH00 for a surprise logging 5:50-6pm s/off; & 11/2 new TIS KID?74-1610 from the Gettysburg National Military Park 5:25-5:35am. Then, the flood gates were opened and 27 reports were mailed during the next 30 days. Among them were the following: 11/10- WUSS-1490 re-log 12:20-1:45am w/The Black Butterfly. 11/11- WKHZ-1340 12:46-1:37pm w/MYL. 11/13- TIRN-575 w/Horas de la Musica 9:30-12pm. 11/16-WDEY-1530 4:56-5:15pm s/off. 11/19 Knoxville TIS-530 o/Gatlinburg 5:47-5:54am. 11/20- Gatlinburg Information Radio-530 (5w) o/Knoxville TID 5:38-5:58am, & WPKX-730 4:50-5pm s7off. 11/21- WAIV-600 o/WCAO 5:21-5:30pm. 11/22- WFTH-740 4:46-5pm s/off, & WAKS-1460 5:06-5:15pm s/off. 11/23- WJIK-1580 on ET 1:50-2:23am: WXKS-1430 w/MYL 4:20-4:30pm s/off, & WTJZ-1270 w/Jazz 4:55-5pm s/off. 11/24- WCUB-980 TEST @ 1:53am, & WBDY-1190 new station 5:02-5:15pm s/off. 11 26- WLDM-1570 o/CFOR/WTOW 6-6:09am, & WLMD-900 4:50-5:02pm s/off. 11/27- WHGI-1050 o/WHN 5:23-5:30pm s/off. 11/29- WCII-1080 w/c/w 5:14-5:30 o/WTIC. 12/1-WRCQ-910 3:28-3:44am. 12/7- WYRN-1480 4:50-5pm s/off, & WWKO-1480 "Carolina's Country Music Authority 5:04-5:15pm s/off. 12/9- WCRT-1260 in clear 5:38-5:45 pm s/off, & WRLV-1140 o/WRVA 5:01-5:15pm s/off. Other interesting catches but unn were 11/10- WBEL-1380 w/ID @ 5:28pm as "WBEL, South Beloit, serving the Greater Beloit area & 11/16 CHUC-1450 o/all @ 5:44pm. For several weeks WRCP-1540 has been on 1533 6-7am w/PSA, on 1540 after 7am. WTTM-920, now c/w, IDs as "Double-T-93" of all things. Nice to see that some of the other feloows are getting nice catches, too. I will report on veries next time. Sad to learn of the passing of JOE BRAUNER & MORT MEEHAN; their names have graced DX NEWS for many years. Happy Holidays and good DX to all:

\*ANOTHER GOOD SEASON ON THE BEVERAGE\*

ARTHUR BERG - Box 435 - Dalton, OH - 44618 Hello all fellow DXers. How's everything with you all? Well again for the third straight season my buddy & I have a beverage out. This time I have it straight West along a woods & thru an old corn field. I may put it across the road and go twice as far depending on weather and how busy I am around Christmas. With about 1700' out I logged some new ones on 1570: KNDY at sunset. Another good log on KGNO-1370, KWOC-930 & KMMJ-750. Then I added about 300°. At nighttime it is also very good. On Dec. 8 in the early morn we had KFI like a local on 640. Also we logged what we thought was a Cal. station on 690. He kept saying LA but nothing fits the description in the logbook. (That's gotta be XETRA, Tijuana -ERC) With WCFL off we logged KTOK. On 1190 KEX was heard, but my prize catch of the season so far came that morn as I ve-been chasing KNBR-680 for several years. We heard him on top of CFTR. On the

10th in the evening at SSS I bagged KJLT-970, a good catch. Other Westies on the Beverage tonight sunset were as follows: KXKJ-950, KKJ0-1550, KCM0-810, KOAM-860, KARN-920, KFH-1330 & KCIJ-980 LA. I'm still chasing KXEN-1010, KZIA-1580 & KDAY-1580. My buddy has bagged them and he only lives seven wiles about

IT'S NOT ONLY THE SEASON TO BE JOLLY - IT'S THE SEASON TO BE MUSING!

from my place. Well, good luck, good DX - 73 and out.

MORE GREAT DX IN THE KEYSTONE STATE

DAVE FOX - 333 Douglass Street - Reading, PA - 19601 DX continues to be very interesting. On 12/15 there was a very good Western opening. On 1310 unn WIFE & WIBA were heard and then from 5:35-5:45pm a logging was taken on KOKX w/a promo for "Christmas Fantasy" & several oldies. About 5:52 traces of KFSB-1310 were heard with a post for a merchant in "downtown Joplin. Western signals were also popping in on 960 w/KGIR heard @ 5:30 pm w/Mike Davenport & Newsbreak & MO WX. By 5:40 WERC-960 was in w/a spot for Video Technology folo by a sports trivia question. With a WERC fadeout @ 5:45 traces of KMA-960 were heard w/a ticket giveaway. On MM 12/15 only the WAWA-1590 TEST was tried for with a good logging from 1:16-2:07am. Unn WSWW-1590 was heard w/a test at the same time with a good signal. WETT-1590 was heard w/a 2am s/off & interference to the WAWA/WSWW TESTs was also noted from WAKR & WNTS. Veries already back from the WCUB & WLET TESTs with the former barely heard & the latter heard very well. Other recent veries in from WLTM-1480 (call stands for "We Love Those Mountains"), WOTT-1410, WCBK-1540, WGSO-1280 (thanks to KERMIT GEARY for the address), WGWY-1390, KWMT-540, (for their ET during the unheard WYNN TEST), WTHI-1480, WNAH-1360, & WAGC-1560. Has anybody received a WBDY-1190 verie yet? I used the address of WBDY-FM w/my report but have not heard anything. The FM address is Box 509, 134 Stockton Street, Bluefield, VA 24605. On SM 12/15 a tentative logging of WMOV-1360 was noted as a steady TT from 5:51-5:56am. But a real bonus was had with a first time logging of WHJC-1360 from their 6am s/on till fadeout about 6:40. Programming featured NX & WX from about 6:06-6:15am, then gospel mx, use coal promo from a coal company in Sharondale, KY, still playing gospel at 6:36 when WHJC Hotline number mentioned. I hope everyone has a very enjoyable holiday season and much good DX comes your way.

DX IS IN THE DOLDRUMS - BUT IS MOVING TO THE CELLAR BEN DANGERFIELD - 202 Governor's Drive - Wallingford, PA - 19066 Dec. 18, 1980 I admit I have been quite negligent in Musing the last several years, & have done little DXing, but I still have my interest, just not enough time. I read DX NEWS cover to cover and don't see how all you guys find so much time to make it such a great publication. As to DX. Well, I haven't exactly been turned on by TA reception this season (nor LA for that matter) but gosh! It has to improve sometime. Last year I at least verified something: Saudi Arabia-1521, for country #118, but I think I reported that. This year I've heard nothing new, but then, I really haven't tried. No, I'm not lazy; just too many people in the house (including my youngest son & his wife) & beginning the Saturday before Christmas we expect to be entertaining nightly for a week many guests (including my daughter & her husband from Munfordville, KY. who maybe listen to WLOC-1150) & my other son from Burke, VA. So who can DX with all this going on? There will be a ray of hope. In the cellar a new Sanserino Loop is assembled & will be given to me as a Christmas present. It works nicely, & perhaps after the holiday season I can find the time to use it. Last March I did some listening while passing through the Panama Canal & cruising up the Central American & Mexican coast, and next Summer we will be spending a week in the Galapagos Islands on a 16 passenger ship, which could make for some interesting reception. And as I said, not much at home, even with local WQIQ still off, and all that part of the band open. Before closing, let me add my sadness to that of everyone else on the passing of all those great DXers. knew NORM MAGUIRE especially well. I met him at the White Plains Convention in 1960, & spent a day with him in 1975 touring Oahu Island, having drinks at his apartment overlooking the Pacific Ocean, and dinner looking out over the beach at Waikiki. The best of DX for 1981::

MARK'S BEEN WITH SEVERAL OTHER DXERS MARK STRICKERT - 5900 North Washtenaw - Chicago, IL - 60659 What some thought would be just another boring SW GTG turned out to be not bad at all, that being Mike Nikolich's Dec. 6-7 GTG. I mean, it's been a while since I've witnessed a roomful of "Tom Snyders" trying to interview themselves, uh ha ha ha. Among DXers not seen in ages were KARL FORTH, EARL HIGGINS, the MIKE JEZIORSKI (hi) & BROCK WHALEY. I think ROBERT KRAMER was there, but he doesn't know me. WJPC-950 seems weaker now - I actually heard 2 daytimers on 940, WFAW Ft. Atkinson WI & WJOR, South Haven, MI fightint it out way o/WJPC splatter 12/1 @ 12:30pm. WRCK-94.7 is back to WLS-FM, basically like WLS-890 minus talk. They simulcast 7-llam & 8pm-midnight Mon-Fri. Chicago Horizons indoor soccer is on WTAQ-1300 La Grange, IL. ERNIE WESOLOWSKI was in town yesterday. We spent a few hours tracking down the big XR sites in the Western burbs. CE at WJJD says they'll be fulltime in March, Lokw w/signal basically at downtown from present site in Des Plaines (Nw of Chidago) & that they do verify. I had hoped to arrange a special TEST, but he said they never schedule a test, more than five days in advance. WMBI engineer gave us a good look at AM/ FM XRs in Addison. AM is daytime only at this point, does not use 50w PSA. From there, off to ROBERT KRAMER's for pizza, Tasagna & beer (BYOB-style) at a nearby restaurant. I figure TONY FITZHERBERT meant "FM" as abbreviation for "format" in 12/8 Musings - ... Hoppy Gnu Year from Iceburg, h1 VERY HAPPY MUSE YEAR TO ALL. "format" in 12/8 Musings - is this a correct guess? 73s, 94s, 832s, good DX &

THEY'VE HAD SOME BEAUTIFUL SUNSETS IN ROCHESTER

12/17/80 JERRY BOND - 143 Burwell Road - Rochester, NY - 14617 Hello everyone - it's been a while so I thought it about time I got on the ball & gave ERNIE some more work to do. I haven't had a great deal of time for DXing so far this season but I'm still managing to pull in some decent loggings. Before getting on with the DX, I've got a few items of interest about a couple of semi-locals. One is WACK-1420 in Newark, NY & earlier this Fall they went fulltime w/500w after being a daytimer. They seem to be on from about 6am-lam daily. Another area daytimer went fulltime on 12/1 & that was WJBT-1590 in Brockport, NY. They are 1kw & are on from 5am until midnight daily. Both are heard here fairly well at night. With WSAY & WNYR going NSP within the past nine months, the DX around here just gets tougher & tougher. About the only good news is that WHAM seems to have gone back to their SM SP after being NSP for 12 years. On to DX. 10/30- Nothing new this day but WRAN-1510 was in better than usual around SSS & I was amazed to hear former WABC DJ Cousin Brucie doing a show. I understand from former member Bill Alisauskas that Cousin Brucie is on both WRAN & WALL-1340 daily. 11/1- This was a strange day for DX as there was an early evening pipeline to Northern NY & New England. It all started @ 4:52pm when I found rarely heard WSYB-1380 booming in beside local WSAY-1370. They came in for at least an hour or so. Then at 5:07pm I found WNBZ-1240 in Saranac Lake, NY coming in very well & they topped the channel for over an hour. WKER-1250 was in real strong @ 5:32pm w/rr for a new logging & then from 5:48-6pm I found WGAW-1340 atop the channel. From 6 7pm I found other rare ones like WDOT-1400, WEAV-960 & CHSJ-1150 coming in well. It was really a weird night as none of the usual clears were in & all areas of the country except the New England area were blocked out. 11/2- This was another good day for DX. I caught a couple of new ones around SRS as CJAD-800 made it through at 7am & CKAN-1480 was in @ 7:06 mixing w/WHBC. Also WYBG-1050 was noted w/CHUM nulled at 8:10am. SSS yielded one new logging in WLDM-1570 @ 4:25pm. 11/4 found good SSS CX to Quebec & stations like CHRS-1090, CJRP-1060, CHGB-1310, CJFP-1400, CHVD-1230, CJMD-1240 & CKBM-1490 were all in strong, the latter two being new loggings. I also managed to null local WWWG-1460 enough to bring in CKRB-1460 @ 4:34pm. 11/8- One new logging here in CJNH-1240 @ 3:50 a.m. More next time. (Who's v/s at WWWG, Jerry? -ERC)

HIS GOLDEN ANNIVERSARY OF DXING!

Dec. 11, 1980 FRANK WHEELER - Erie, Pennsylvania Fifty years of BCB DXing, which started in December 1930 when I picked up a RADEX magazine at my cousin's. My first verie was received from KPI on Dec. 29, 1930, second from VAS, Glace Bay, NS, Canada. Pifty years later my first verie is from WAYC, Bedford, PA. First thrill of receiving a foreigner, when I received XER, Mexico. First SA was YVIBC, Caracas, Oct. 2, 1932. First and only TP was 1YA New Zealand which I received 18 times (of course, all verified). My only TA verie is WDR Germany, but I got two others, (not verified) in France. I have received 95 100 watters (six from Cal.), eight 50 watts, three 25 watts, one 15-watter, & one ten watter. I have a 25 watter in Manitoba, 10AB, Moose Jaw verified, all others also verified. I have had many pleasant hours of DXing & met many friends & corresponded with many. I received many countries, also verified, and all states (50) verified, and nine provinces of Canada. I used a six, nine, & 12 tube Silvertone, a Grunow, Westinghouse, Hallicrafters S-38 & at the present a Hallicrafters S-40B, & a Realistic DX-160. My totals are 1,726 veries with 2,539 received. I have used several LW antennas (at the present I'm using a 175' one), a Woroester #1 and a Steward Loop. I hope I do as good my next 50 years, hi: 73s. PS- May all have a Merry Christmas & a Happy New Year. The otherday I met the first manager of WLEU, which became WWGO and is now WEYZ who are putting on a TEST for the NRC Jan. 12, 1981. He is Mr. Victor Hamilton Weir. The station's first broadcast was in 1935. Down through the years I belonged to the Globe Circler's DX Club, United States Radio Club, the Canadian DX Relay, IRCA, and at present, NNRC & last but not least, NRC.

ERIC'S WORKING ON HIS SECOND HUNDRED VERIES

ERIC LOY - 604 East Locust - Mahomet, IL - 61853
Thanks go to GARY ATKINS, JOHN CLEMMER, & IRCAer Robert McKinney for visits. Also to JOHN, ERNIE COOPER & ROBERT KRAMER for enjoyable phone chats. And to Johm Gary, BILL BERGADANO, KELLY ANDREWS, SIDNEY MARSHALL & PETER Mc-CLURE (very belated) for mail correspondence. Over the Summer, veries climbed to a total of 101, & stations heard to 610. Some QSLs were: WENK-1240 w/v/l, two bs, two pens & two buttons, & the highlight, #100, KFI-640, v/q. Latest verie is from WGIG-1440, v/l & return postage returned (that's what it's for?) from IRCA member Bob Lafore. States #38 & 39 were heard in the form of WPGC-1580 Morningside, MD & KFLN-960 Baker, MT, provinces #5 & 6 (CFAC-960 Calgary, AB & CKWX-1130 Vancouver, BC) & countries 15 & 16 (R. Paradise-825, & ZDK-1100). I too have heard that "Ocho Cincuenta" on 860, & I have it logged as PJC2. All for now, best regards, and the number here is 217-586-3255, best time to call is between 5 & 10:30pm ELT. I've IDed that 1060 BFLer as R. Revolucion, a Cuban not in the RFS list on 1060 - has many mentions of Cuba and Habana. (Tnx:ERC)

1981 WILL HE A GREAT YEAR FOR N.R.C. - BE A PART OF IT - MUSE REGULARLY!

MIKE TUGGLE - 909 Moores Mill Road - Bel Air, MD - 21014 Two rather significant, recent developments with the Lyonodyne crystal set: Brush phones, and what I call "The BARFIELD Trap." The brush phones are a full-size headset with crystal units, and just incredibly sensitive. I'd long suspected this but had never been able to find a pair in decent working order - until now. They're quite high-Z, so probably useless on your big rigs without some matching transformer. Of course, with all those amp stages in your typical RX, who cares about sensitive phones anyway? The BAR-FIELD Trap, designed by CHARLIE BARFIELD, is actually an antenna tuner/pre-selector consisting of a ferrite core coil across the main section of a two-gang superhet cap. with the osc. section running to ground. Charlie's been using this for some time now - took me a year to figger out how to make it work, hi. Anyhow, the combination of the two has made for some fantastic daytime and pre-SSS listening. Quite a thrill to extract heretofore unknown (and unheard) regional stations out of the local garbage - and in broad daylight. Daytime list has almost doubled to 40 stations now. (I consider "daytime" to mean LSR + two hours to LSS - one hour). And, a very gratifying recent pre-SSS catch was WCXI -1130 Detroit in briefly 12/7 @ 4:24pm w/c/w, ID, & local ads for the "Print Shop & the "Caboose Lounge" - some 20 minutes before local sunset! I reported this, of course. Re: other DX stuff, am I correct in assuming that the 910 FF station w/rr o/u WSBA heard 12,8 @ 8:22pm+ was CHRL? (I'd say 'yes' to that -ERC) Nice verie received for 11/28 SSS reception of WYGO-1330; personal letter with hand drawn CM. How's that for the personal touch? Fine job, GERRY THOMAS on your old/new TRF/Superadio comparison - a model of writing excellence. Finest Holiday Greetings to all, and Best Wishes for the New Year!

KNOXVILLE'S 530 TIS IS REACHING FLORIDA GERRY THOMAS - Box 2036 - Pensacola, FL - 32503 904-432-8208 - I'd like to extend sincerest sympathies to the family and friends of MORT MEEHAN. I never met Mort but did correspond with him & found him to be a great friend of radio hobbyists, radio clubs, and the hobby in general. The loss is alo of ours. On the DX scene, the Knoxville TIS station on 530 kHz has become a nightly visitor here (decasionally mixing with the TIS out of Gatlinburg, TN), & represents one of my better DX loggings. Midday CX have also been improving lately with high noon reception of Belize-834, Cayman Is .-1555, & most wanted KDKA-1020 for a new midday state. Other than the preceding though, nothing much of note. Oh yeah, many, many months ago a member wrote to me requesting info on the GE Superadio & I've misplaced (physically & mentally) his name. If you're the person, please drop me a card as I've finally got around to putting together a Superadio package. That's about it for now. 73's.

OUR SINCEREST SYMPATHIES TO DAN DAN PHILLIPS - 835 Danton Lane - Birmingham, AL - 35210

It has been a sad year DX-wise. My dad, who was instrumental in me becoming a DXer, died in June. Also NORM, ROSS, MORT, and JOE, all of whom whose Musings I have read for 20 years. I'll especially miss ROSS. He certainly was the main cog in keeping the NHC Ham Net together for a couple of years. Most new stations have been call changes. KTIA-1540, WKKR-1330 (ex-WJPS), WSMQ-1450 (ex-WYAM), WTSK-790 (ex-WTUG), WABT-1000, & WCII-1080 (ex-WKJJ). New catches worth noting: 11/23- KWNT-1580 IA s/off @ 6:30pm EST. 11/ 24- WWWQ-1430 o/frequency 7:18pm. 11/25- KGBC-1540 @ 7:18pm while in Tennessee using 1200' Beverage pointed SW. Also the same night I heard TIS-530 giving Kn Knoxville travel tips. This one really gets out. All the best wishes for a Happy New Year. Also PARK BARTON from Tuscaloosa & I ate together on Dec. 13. It was great to see him again. We first met at Indianapolis in 1962.

RAY LOGS TWO NEWIES SIMULTANEOUSLY IN THE SAME STATE RAY ARRUDA - 47 Burt Street - AcMushnet, MA- 02743

MM 12/8: WOR-710, WHN-1050 & WKBW-1520 were off at various times & WCKY-1530 has been on AN the last two MMs of 12/8 & 12/15. Also on 12 8, somebody testing on 1060 w/CJRP/KYW 12:57-1:03. They did ID @ 1:03 but I couldn't decipher it...did anybody catch this one? (WHFB?? -ERC) Sunday PM 12/14 SSS on 1110 brought WVNH s/off, first time heard here, 4:16. Then WTBQ noted w/NX, WX, mx, IFs to s/off @ 4:28 w/two stanzas of America the Beautiful. WZAM then took over briefly at 4:31 before CKJD/WHT. MM 12/15 was OK as two new Wisconsin stations on 1590 were logged & reported within minutes of each other...WAWA TEST 1:20-1:33 & WSWW Platteville 1:17-1:45 who was running an ET of their own w/TT/OC & IDs @ 1:19 & 1:42 w/some mx. WAWA was programming IDs, mx & TT also. WABC-770 was completely off this AM & a report was taken on WNYR-990 3:50-4:02 w/good signal, c/w mx, IDs, & NBC NX @ 4 to round out a pretty good morning. That WGSO address that I think DAVE FOX was asking about is 1440 Canal Street. One verie back from WKOL-1570 after a one year wait... better late than never. JOE BRAUNER will certainly be missed by all of us, as he was devoted to the hobby right up to his last days. 73.

SOME COMPANIES BEGIN PICKING VACATION DATES EARLY. IF YOU BELONG TO ONE SUCH, KEEP IN MIND THAT BIG N.R.C. CONVENTION OVER LABOR DAY WEEKEND IN ROCKAWAY, NJ: IT WILL GIVE YOU THE CHANCE TO VISIT N.Y.C. ON THAT TRIP AS WELL. ATTEND:

GARY SIEGEL - 2728 106th Street - Toledo, OH - 43611 The TOADS (Teledo, O. Area DXers) had a GTG at JOHN BUEHLER's South end residence on Sat. 12/6. At least a couple of faces not seen by this kid for a few months of not a couple of years were at this rather impromtu GTG. Including John & myself were GEROGE GREENE (KCDL Akron & CKDL Chatham, Ont. fame, hi!) who is an honorary TOAD, hi, along with FRANK MERRILL-BZZT! of metro Holland-Swanton, KEN ROMSTADT (WOS) who rode with me to JDB's and the biggest surprise of all driving up in his '58 Buick SW was DAN MYERS (you expected him to be driving an ordnary new car, hi!) of suburban Northwood-Lake Twp. and with him was another honorary TOAD, JOHN DALLER of Ann Arbor. (One of the few Michiganders we'll allow to be a TOAD, hi), we didn't want to show favoritism even if the hurt of the OSU-UM debacle still lives, grok! The dm & jd appearance was a complete and welcome surprise to me. Rumors had it that these two were still around but were unconfirmed until 12/6. Do I get a QSL since I can now verify their existence? (If I can get a WCWA-1230 verie, hi -ERC-bzzt.) A good time was had playing darts (occasionally dodging some errantly tossed ones, BRAAT!) and among those tossing bulls-eyes were yours truly, Frank & George which slightly stung the ego of John (JDB) who is the professional in this game, proof again that even the blind weasel gets a chicken once in a while, right, John? Even more amazing was the fact that some serious DXing was done & while I didn't get any new stations a few goodies are now in the logs of dm (could this be a new trend?). WOS. Frank aka WSIN, and JDB. I showed my incredible ability to make Minnesota heard (me and my d -- Minnesota's according to Frank) by controlling the Buehler lopp antenna in such a way as to bring KBRF-1250 to all ears at 4:45pm - at least 45 minutes too early, hi, then following that up w/KWEB-1270 @ 5:15. The first needed by him, WSIN & JDB, the second by all four. At least one other choice morsel was had in this DXfest by all four while dm cashed in on WBSC-1550 @ 7pm but the biggest thrill of all was experienced by Johnny Daller who heard four Pittsburgh stations that evening (970,1020,1250 & 1320). His thrill made me ill! What DX, hi: 73's.

AND NOW, FROM THE HOST OF THE ABOVE GTG! JOHN D. BUEHLER - 1716 Heatherdowns Boulevard - Toledo, OH - 43614 419-382-0883 Thanksgiving weekend was spent visiting some old friends and meeting some new ones. Sat. AM I flew via USAir to Allentown, PA. GEORGE WALTON met me at the airport, & I was George & Eileen's guest Sat. & Sun. evening. George & I were on the road to Acushnet, MA by 6am Sunday. We arrived at the ARRUDA's beautiful home just before noon. The afternoon was a real good time, with about 15 NRCers present. Thank you, RAY & ARLENE: The trip was definitely worth it: George & I arrived at his Easton, PA homestead @ 3am MM. no DX to report this AM. 12/2- 5:45am, TTer on 1340 was WBGN KY, their r/c. 5:5lam, WKEN-1600 Dover, DE & WKXQ Reidsville, NC u/KATZ. 5:58am SSB folo by s/on of WPLW-1590 Carnegie, PA fair u/WAKR. 5:56pm on 1410 I heard mentions of the Southwest Radio Church. This was KCLO Leavenworth, KA - their s/off in excellent @ 6pm. 12/6- A gethering of the local NRCers at my home this afternoon. KEN ROMSTADT, FRANK MERRILL, GARY SIEGEL, DAM MEYER!, GEORGE GREENE (Akron) and former member John Daller were present for an afternoon of log comparisons, beer, darts and talk. As the afternoon turned to evening, my RX was used for some decent SSS activity. I was able to log one new one in WMAL-630 in well u/ CFCO w/ID & NX by F announcer. I am told that some other needed catches were in this afternoon, but I was elsewhere when they were heard. The GTG was completed with a ride in Dan's fine old station wagon ('59 Pontiac?) to an area restaurant which has fine food in large portions at a very reasonable price. MM 12/8 my neighbor left his dimmer control on so DX possibilities were limited. lam strong het on 1570, my RX showed the carrier centered at 1566, no audto heard. Tunisia doesn't really exist to us here in the Midwest, hi. 1:llam 1440. intermittant TTer finally IDed as WJJL Niagara Falls on ET. 1:31am TTer on 930 IDed as KSDN, Aberdeen, SD 1:42am, unID TTer on 990. 1:59am, 3WE-1100 off again, R. Reloj & the Colombian both in. 2:36am someone finally made it u/ local WCWA-1230. This was WUBE Cincinnati w/WX & ID, #2 on 1230. 3:15am ETer on 1560 was in very well w/mx. I listened until 3:45am & heard no ID. Anyone know who this was? Until next time best of DX to all. ('Twas WFXY, John: -ERC)

ANYBODY KNOW OF A KISC, FREQUENCY NOT GIVEN? PAUL ZEHR - 581 Murry - Ely, NV - 89301

How's the DX season coming? Mine is all right. From my log: Nov. 9 - Bonaire, Netherlands Antilles, 800 khz, very loud & clear, QSL sent, and received. KIEV-870, KMMJ-750, QSL sent, KWY0-1410, KBMR-1130, KDJI-1270, KGNR-1320, & KBNO-1220. I received KISC, however I don't know where it is - anyone have any ideas? I get stations in at 6pm ELT with the loop switch on. Early morning DX is paying off. I received CKVI-900 a few minutes ago. Weel, I'd best be going.

YE ED RETURNED FROM FLORIDA ONE DAY BEFORE DEADLINE DATE, & IS HOLDING BACK ONE DAY TO GET MORE MUSINGS TYPED UP FOR THIS ISSUE, BUT ALL WILL NOT MAKE IT -TIME IS NOT AVAILABLE: WE HELD BACK ALL SECOND REPORTS & ALL SINGLE-SPACED MUSINGS, AND HAD TO HOLD SOME OTHERS AS WELL DUE TO LACK OF TIME AND A TREMEN-DOUS TURNOUT FOR THIS DEADLINE DATE. PLEASE FORGIVE! ALL WILL BE IN ..XT WEEK. HE HAS A NEW TIMER

tem & all I can get is SSS DX. More next time. 73s.

KONSTANTINE RYCHALSKY - Box 87 - Beacon Falls, CT - 06403 Jai y'all & Season's Greetings. Latest news here is the set-up of a timer connected to a clock radio & recorder. Works quite well however no SRS to report. It's quite handy too for I can also switch on the recorder at a moment's notice while listening to the radio through an earplug. It's called "DX by Nite." It doesn't disturb my wife either - she thinks I'm asleep. It came in handy for the 12/8 TEST on 1060 (not heard) but CJRP recorded @ 1:20 w/T-40. Latest DX: 11/28- While in Bank parking lot, in the rain, I heard on 1550 u/CBE what sounded like KHBJ-TX @ 4:50pm. At 5 I heard ID, NX, SSB, ID, & s/off for WXVA-VA. Reports sent. Next day 11/29 WCAR-1130 MI @ 4:56pm o/u WNEW w/NX. 11/30- 4:48pm, WNBF-1290 NY in for f/up report report of '77 never was veried. 12/2- WLET-1420 TEST was heard @ 12:37am for approximately 20 seconds w/march mx. I also took report for WBSM for f/up. I enjoyed talking to ERC - first time caller. I forgot at the time but I recall hearing county name on my unID. My notes show scribbled "Birch" County - but pulling out the 1958 Collier's Atlas, I came to the conclusion that I was jotting down "Berkshire" County during a flood of info - therefore my unID was WBEC-MA. How's about that - three reports in 15 minutes, all needed. Oops backtracking a bit - 11/22 While traveling to Waterbury, on 550 @ 4:20pm, this threw me & this time I did have a cassette in the car recorder. Second ID as WDEV-VT - report sent. Strange isn't it? I put up some money for an SRS sys-

SIDNEY MARSHALLS A PILE OF NEWIES AT SSS SIDNEY E. MARSHALL - 7224 Pam Drive - Millington, TN - 38053 Except for a couple of days of Summer-like static, DX CX have been excellent for the past two weeks. I've heard several of my seldomheard far-Western stations and also had a good opening to the North-East which brought WRC-980, DC, in like a local on 12/6 about 30 minutes before sunset at my location. Normally this station is only heard here late at night or early in the morning. New stations heard since my last Muse are as follows: On 12/1 @ 5:31pm WCII-1080 KY was in very good with mx & ID heard. On 12/2 WOBL-1320, OH, surfaced, o/several others, w/ID, station promo. & mx @ 6:17-6:20pm. On 12/3 I had a few minutes to do some SRS & caught the s/on of WILO-1570, IN, at 6am. Same day, @ 5:46pm I heard the s/off of WLPH-1480, AL, which came in right behind semi-local WMQM's s/off. On 12/4 WRHC-1550, FL, was in w/a very strong signal from 5:27 to 5:30pm, w/program in SS & s/off in EE heard. Knowing that the FCC had granted this station authorization for night operation some time ago I called the station & was told they will begin night operation around 1/15/81. On 12/6 @ 5:29pm WGUN-1010 GA was in with end of REL program & full s/off heard. Also on 12/6 @ 6:24pm KNOK-970 TX was in with station promo ID & mx for several minutes. On 12/7 I caught the s/on of WEAS-900 GA @ 7:16 am. On 12/8 KROB-1510 TX boomed in w/a super signal @ 6:24pm & stayed strong till s/off ê 6:30. No sign of pest WLAC at this time! No time at the dials until evening of 12/11 when I heard the s/off of WXRS-1590 GA @ 5:30pm u/s/off of WLFA. With semi-local WMSO having moved from this frequency to 630 kHz I should be reaping a few more new ones here. Finally, on 12/12 KWPR-1270 OK in @ 6:12pm w/spot for car dealer in Claremore and into state NX before being covered by WHBF. With these newies my station total now stands at 859 heard. As this Muse won't be in print until 1981, I hope everyone got the Christmas "goodies" they wanted and had a safe and sober (?) New Year's!

CESAR HAS VISITORS FROM SWEDEN CESAR OBJIO - Calle Enrique Henriquez 69 - Santo Domingo, Dominican Republic Hi, everyone. It is so long I have been in this section that I have forgotten the last time. Sorry, Ernie, but work is the guilty party. To begin with I have to say that I really regret the passing of NORM MAGUIRE even if I did not meet him personally, he was a DXer, a good old one, & everybody says he was a real nice person. It is a part of us that has been lost. May his soul rest in peace. At the beginning of September I had the visit of three Swedish DXers: Lars Skoglund, Per Eriksson and Hans Gross. They got my name & address from the WRTH. They wrote to me before coming & I met them here. Patricio Salas, a member of Santo Domingo DX Club who is now working at R. Universal-650 helped me to show them the town & some other stations. We all were very happy with their visit. In the middle of October I went to Miami for a week vacation with wife & kid. We were met by RON SCHATZ who, kind as he always is, took us to several places of interest in the Miami area like the Seaquarium, Parrot Jungle, Zoo, etc. I came to know of the scant attendance to the Los Angeles Convention: 19 persons! That's a shame, with California being the state with the most members 68, according to DX NEWS, October 20. I wanted Fort Lauderdale to be the site for next year as perpaps more than 24 Florida members could attend, including me. But the combined DXers' population of New York (64) & New Jersey (39) will make the next a crowded Convention. I am not planning to attend as air fare from Santo Domingo is too high, also NY is very expensive & my salary doesn't increase despite the worldwide inflation. Not much DXing around here despite the great help I have received from CHUCK HUTTON! I bought Through him one of the famous TRF (very good RX) & he repaired my frequency counter, thanks, CHUCK. Well, I hope you all enjoy a Merry Christmas & a Happy New Year, sincerely from Santo Domingo to you all. 73s.

CHATTER ABOUT SPLATTER

12/15/80 GREG MONTI - 1110 Fidler Lane #1424 - Silver Spring, MD - 20910 Additional comments on GENE MARTIN's Muse in the 12/15 DX NEWS: I've never been to Europe to check out the cleanliness of the AM band, but I believe what Gene says. I also believe that there are at least two reason why modulation percentage will never be cut from 125%, to 85% or 95% in the U.S.: 1) Politics: Let's face reality, in Europe, most AM stations are governmentowned and have little competition other than from other government stations; there are no loudness wars, there is no National Association of Broadcasters. Stations there can afford to be clean. Stations there can also afford to learn from our mistakes (remember, we did invent broadcasting here first). Radio broadcasters will put up a huge howl if they are required to cut modulation back to 85% at night. Most U.S. AM broadcasters know that nighttime is the time to increase average modulation, not decrease it, in order to out through co-channel interference. 2) Efficiency: high-powered XRs with low average modulation levels may sound good and appear to have smaller occupied bandwidths, but they're very expensive to own and operate. The great majority of small-town broadcasters that populate the AM band here could never afford them when their stations are only marginally profitable now. High average modulation is efficient. You can legislate the maximum modulation allowed of a station, but you can't legislate the average loudness. Even if U.S. AMers were required to cut back to 85%, they'd crank up their audio processors that much more to keep the average right near the peak. If AFN-873 is splashy, it's not because of its American XR, it's because of its American audio proces or! However, if it's emitting 20 & 30 kHz whistles, that's not an audio problem; it sounds more like parasitic oscillations in the XR. 73's.

PETE'S IN THE N.R.C. TO STAY!

PETE CLARIUS - 1583 Castleton Avenue - Staten Island, NY - 10302 I was very sorry to hear of the passing of NORM MAGUIRE whom I once, JOE BRAUNER, whom I met a long time ago at an NRC Convention at RAY EDGE house in the Kensington section of Buffalo & last but not least MORT MEEHAN whom BERNIE DUFFY & I knew quite well as at that time Mort lived in Elizabeth NJ & often came over to the Island. At the time he was writing a radio column for the Elizabeth Daily Journal and very often he would mention his Island visits. I was very pleased to be given a few thanks for my 1929 RADEX article and it was the least I could do afterall these years of sitting back and letting somebody else do things. Over the years I was in & out of the NHC a few times but really decided to come back in and stay after my visit to ERNIE COOPER when I brought alo of BERNIE DUFFY's veries up to the Cape. The NRC is still the best club around so keep up the good work. My latest catches are WJRB-1430 in Madison, TN which seems to be AN & WJIK-1580, Came LeJeune, NC which I caught 12/12 @ 4:35pm. I had planned on attending the Mass. GTG but then came down with the flu but God willing I will attend the Labor Day Convention. Incidentally my definition of the FCC is the (Federal Crap Commission) and although it most likely will never happen I hope that "Ronnie" makes this his first target.

BAND SCAN AND MAN TAN

ERNIE COOPER - 5 Anthony Street - Provincetown, MA - 02657 617-487-9337 12/24 Well, my whirlwind nine day vacation trip to Florida is history. & I enjoyed the state very much. Observations: Everybody there is left-handed (like me!); nobody there goes to the beach in December; there must be at least 15% of the AM stations carrying REL/GOS, high-powered fire-and-brimstone style; and everybody was born somewhere else! I visited WAMT-1060 & picked up a v/l from my two previous reports, & got a promise of one to come by mail from WFIV-1080, who's going to 10,000/2,500 U-4 eventually. Here's a bandscan taken from noon to 2:30pm on the talcum-like sand at Cocoa Beach on 12/15 & 12/19: I'll start from the "interesting" end: 1610- Two Tizzies, about 12 miles away, in Kennedy Sapce Center & Canaveral National Seashore - they're only a mile or so apart! 1600-WOKB o/WJNJ. 1590-WELE. 1580- WGTW o/WSRF. 1570-WTWB-GOS. 1560 WTAI, local c/w. 1550- WCCZ c/w o/WYOU SS. 1540-ZNS1. 1520- Weak REL, likely WTLN. 1510- WWBC, local REL. 1490- WTTB o/WMOG (surprise!). 1480- WAPG-REL. ##ILN. 1310- WWBG, 1040- WBAR. 1450- WMFJ o/WSTU. (WMFJ 1s REL). 1440- WAJL-REL (announced AN) o/WGIG. 1430- WQPD-rr. 1420- WDBF-BFL/OLD. 1410- WZST-rr. 1400- WTRR-CWM o/WIRA. 1390-WAVR. 1380- WDAT o/WLCY. 1370-WAXE-rr. 1350-WCWR, local-MoR. 1340- WROD. 1330- WFTP, c/w. 1300- Sloppy local WRKT-rr. (RKT for racket, I reckon!) 1280- WIPC-EZL. 1240- WMMB. 1230- WSBB. 1220-WMJK-all SS. 1190- WHHL, OLD, local. 1150- WNDB o/WTMP-T-40. 1130-WPUL. 1110- WTIS-GOS. 1080-WFIV-c/w. 1060-WTIV-rr. 1010- WINQ-GOS. 1000-WVSI. 990- WHOO, local CWM. 980- Two pulsating carriers. 970- WFLA-POP o/WOCN. 960- WJCM o/surprise WBEU-SC, rr. 950-WLOF-T-40. 940- WINZ o/C.M.M. 930-WHAN 960- WJCM o/surprise WHEU-SC, Fr. 950-WLDF-T-40. 940- WINZ o/C.M.M. 930-WHAN -POP-rr. 920- WMEL, local, rr. 910- WPLA, weak. 900- WSWN o/WMOP. 860- WKKO local, rocker, splattery. 810- ZNS3 o/WQIZ. 800-WSUZ-CWM. 790- WLBE o/WNWS. 780- UnID SS, 760 also. 740- WKIS, local. 730- WPAL, good signal, too. 720- SS. 710 WGBS, weak. 690- WAPE-rr. 680- WWBA, pop. 670, 660, 640 SS (two on 640). 630- WKEX, pop. 620- WSUN-c/w. WioD on 610. 600- WPDQ (no sign of a Cuban). 590- SS. 580- WDBO, local. 570- WPLP, "Talk Radio 57", weak. 560- WQAM-c/w, weak. 540- WGTO, local. I enjoyed a swell visit with JEBSY CCKRAD?