

# DX News

*Serving DXers since 1933*



Volume 72, No. 4 - October 25, 2004 (ISSN 0737-1659)

## Inside . . .

- 2 .. AM Switch
- 3 .. Professional Sports Networks
- 4 .. DDXD
- 8 .. Confirmed DX'er

- 9 .. IDXD
- 10 .. South Atlantic DXpedition
- 11 .. Miscou Island, NB DXpedition
- 18 .. Digitally-Authorized Stations
- 19 .. DX'er's Notebook
- 23 .. No Musings from the Members

*CPC Test Calendar*  
**WRIB RI 1220** daily 0255-0305

*From the Publisher ...* Things are going well with the NRC Contest; how many new stations have YOU heard as a result of YOUR contest activities?

Support your favorite columnist: report often! Your publisher hates 16-pagers; the membership wants more for their money. Technical articles are always welcome, too.

*DDXD-West Editor needed ...* The position of DDXD-West editor remains open; please e-mail the publisher soon with your application for the position.

### DXN Publishing Schedule, Volume 72

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
5.	Oct. 22	Nov. 1	18.	Jan. 28	Feb. 7
6.	Oct. 29	Nov. 8	19.	Feb. 4	Feb. 14
7.	Nov. 5	Nov. 15	20.	Feb. 11	Feb. 21
8.	Nov. 12	Nov. 22	21.	Feb. 18	Feb. 28
9.	Nov. 19	Nov. 29	22.	Feb. 25	Mar. 4
10.	Nov. 26	Dec. 6	23.	Mar. 11	Mar. 21
11.	Dec. 3	Dec. 13	24.	Mar. 25	April 4
12.	Dec. 10	Dec. 20	25.	April 8	April 18
13.	Dec. 24	Jan. 3	26.	May 6	May 16
14.	Dec. 31	Jan. 10	27.	June 3	June 13
15.	Jan. 7	Jan. 17	28.	July 1	July 11
16.	Jan. 14	Jan. 24	29.	Aug. 5	Aug. 15
17.	Jan. 21	Jan. 31	30.	Sept. 9	Sept. 19

We still are receiving address updates well after the USPS sends them to us @ 70¢ each. Send us the update just as soon as you know your new address to save your club some money.

*Lower Deck Annual GTG ...* November 20, 2004 starting at noon the Saturday before Thanksgiving at The Lower Deck, 47 Burt Street, Acushnet hosted by Arlene & Ray Arruda. They're planning on the usual 4 PM dinner break at Cafe Roma in New Bedford. Says Ray, "This has evolved into more of a social event, but nevertheless a very good time."

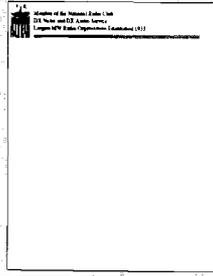
### DX Time Machine

#### From the pages of DX News:

50 years ago ... from the October 16, 1954 DXN: Scooter Segraves, Stuttgart, AR reported that he couldn't get to sleep on 9/14, so he turned on the radio and added 8 stations to his log, including 2 new ones on Equipment Tests: KTCB-1470 and KAMO-1390.

25 years ago ... from the October 29, 1979 DXN: Rod O'Connor, Portland, ME reported that after WJBQ-1440's attempt to purchase land west of Portland for an antenna farm was rejected at a town meeting, the new buyer for the land intended to use it as a pig farm.

10 years ago ... from the October 24, 1994 DXN: Dave Schmidt reported that the new call sign for the former WCNZ-1590 Chester has brought a cease-and-desist order against the station from a chain of stores already using the name: "WAWA".



**Official NRC Stationery**  
 Professionally-printed with a new design ...  
 just what you need for those verie requests  
 or for any correspondence. Sold in 100-  
 sheet packs for \$5.00. Order "STA" from  
**NRC Publications - Box 164 - Mannsville, NY  
 13661. NY orders, please add sales tax.**

# AM Switch

**Bill Hale** w\_r\_hale@sbcglobal.net  
6124 Roaring Springs Drive  
North Richland Hills, TX 76180-5552

**Status changes in AM stations, supplied by the FCC and listeners**

## CALL LETTER CHANGES

<u>Old Call</u>		<u>New Call</u>
1580 KRZI	TX Waco	KRZX [Now with Fox Sports]
1660 KRZX	TX Waco	KRZI [Continues with ESPN Sports]

## CPs ON THE AIR

1340 WLVL	NY Lockport - CP for non-DA operation as U1 1000/1000 is on the air.
1400 KENT	UT Parowan - License issued for U1 800/800. Parowan is located on I-15 north-east of Cedar City.
1620 WNRP	FL Gulf Breeze - Is reported to have been testing briefly on 10/14 with oldies and brief test announcements, then // WYVT-98.7 and using the slogan "Cat Country" with C&W. Another X-Bander ripe for the DXing!!

## GRANTS TO EXISTING FACILITIES

700 KALL	UT North Salt Lake City - CP granted to add a tower to their current four in order to increase nighttime power. When built KALL will become U4 50000/10000.
760 WLCC	FL Brandon - Coordinate correction to N28-01-29 W82-17-02.
810 WJJQ	WI Tomahawk - CP granted to add nighttime operation as U1 980/13.
900 WYCV	NC Granite Falls - CP granted to increase power levels to become U1 2500/251.
1020 KWIQ	WA Moses Lake North - CP granted to reduce both day and night power levels to become U5 2000/440.
1260 WI3XSO	PR Aguadilla - CP granted to increase daytime power to be U5 2500/850.
1410 KRIL	TX Odessa - CP granted to take down one of their two towers and reduce day and night power levels to become U1 900/235 at adjusted coordinates of N31-49-33 W102-21-21.
1450 KVSI	ID Montpelier - Coordinate adjustment to N42-19-02 W111-19-20.

## GRANTS TO PENDING FACILITIES

1400 WWNZ	ME Veazie - New station, not yet on the air, has been granted an amendment to their CP for U1 1000/810 to move transmitter sites to N44-50-50 W68-40-48.
1470 KNFL	UT Tremonton - New station, not yet on the air, had a CP for U4 10000/1000 from three towers. This amendment changes things to read U2 1000/940 from two towers at a slightly different transmitter site of N41-34-42 W112-06-03.

## APPLICATIONS FOR LICENSE TO COVER GRANTED

730 KULE	WA Ephrata - License granted to operate. So what's the big deal? See the Fines section of the last issue.
----------	---

## APPLICATIONS FROM EXISTING FACILITIES

1570 WBGX	IL Harvey - Application includes an addition of one tower to their current three in order to increase their daytime power. If approved and built will become U4 5000/500.
-----------	---

## AMENDMENTS TO CONSTRUCTION PERMITS SUBMITTED

1330 WMOR	KY Morehead - Licensed for D1 1000/0, WMOR has a CP to decrease their power to become D1 800/0 from a new tower at N38-10-56 W83-26-56. This 343' tower is the home of WIVY-FM and WQXX-FM. This amendment further lowers the power to 570 Watts to comply with FCC restrictions on radiated power insofar as safety considerations are concerned. WMOR also
-----------	--

**Expiring? Time to renew? Not sure when? Need to call or e-mail someone or join the listserv? Check the back page - it's all right there!**

requests to continue using 500 Watts PSRA.

## LICENSE RENEWALS GRANTED

1090	WCAR	MI	Livonia
1270	WLIK	TN	Newport
1400	WBAU	FL	Ft. Walton Beach

## HEAR AND THAR

- With the 'hold' on applications invoked by the FCC and a holiday thrown in, action on M Street has been sparse this week. But the freeze is now over, so we are seeing an increase in activity.
- You may have seen this on the 'nightly news', but just in case... the Smokey Bear hot air balloon crashed into one of the KKOB-770 towers in Albuquerque during this year's hot air balloon festival there. Three people in the gondola were safely returned to earth by a variety of methods, during which KKOB was off the air.
- Speaking of being off the air... WTKN-1560 Daleville, Alabama has been reported to be off.
- DX Alert!!! This next Sunday (Saturday night) marks the end of Daylight Savings Time. Some stations rely on computers to change power and pattern settings, while some rely on the 'weekend help' to exercise this piece of engineering mayhem. As in the past, some DXers have logged a station or two which had a lapse in judgement while switching at the wrong time. Some stations have gone as long as several days before catching this miscue. So be on the lookout...
- Thanks to Shawn Axelrod, Gerry Bishop, John Bowker, Wayne Heinen, James Niven and Jerry Starr for tips and tricks... but no treats. Have a safe Hallowe'en.

**Professional Sports Networks**

**Barry S. Finkel** bsfinkel@ANL.gov

10314 S. Oakley

Chicago, IL 60643-2409

Network listings for team sports stations

Gayle Yaeger reports that in the Pittsburgh Steelers' network list, WBBG has moved from 93.3 to 106.1, and the station does broadcast the Steelers. Below is one of the few missing NFL network lists. I need National Basketball Association (NBA) flagship and network lists; with the National Hockey League (NHL) lockout, I doubt that current network information is available.

**Miami Dolphins 2004 (EE)** Howard David, Jim Mandich  
**Miami Dolphins 2004 (SS)** Rene Giraldo, Roly Martin  
<http://www.miamidolphins.com/pressbox/mediaguide/mediaguide.asp>  
(Go to pages 650-652 for network listing.)

550	WASG-FL	1000	WYBT-FL	1320	WAMR-FL	93.5	WBGF-FL
560	WQAM-FL *	1150	WNDB-FL	1370	WOCFL-FL	99.9	WKIS-FL *
610	WVTJ-FL	1240	WMMB-FL	1460	WZNY-FL	102.3	WPHK-FL
660	WORL-FL	1260	WSUA-FL S*p	1600	WKWF-FL	103.3	WQOL-FL
770	WWCN-FL	1300	WFFG-FL			106.1	WLVO-FL
850	WFTL-FL						

p = The Miami Dolphins' games are also carried on the sister station of WSUA in Mexico City. I do not know the call nor frequency.

## NRC's Antenna Manuals

**Now completely revised and up-to-date!**

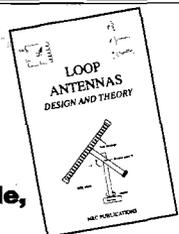
**Antenna Reference Manuals, Vol. 1 and 2,**

**\$6.95 each (\$9.95 to non-members)**

**Loop Antenna Design & Theory,**

**\$8.50 (\$12.95 to non-members)**

**Order from NRC Publications - P. O. Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.**



# Domestic DX Digest

West: Harry Helms [DDXDWest@yahoo.com](mailto:DDXDWest@yahoo.com)

91 Augusta Dr - Wimberley, TX 78676-2516

East: Ginnie Lupi [ginnie@nrcdxas.org](mailto:ginnie@nrcdxas.org)

PO Box 3028 - Saratoga Springs, NY 12866-8001

(Division line is  
between East and  
Central time zones)



**DX Catches in the U. S. and Canada, with 24-hr. ELT**

## DDXD-West

### RANDOM STUFF

- Reports this time from our 50<sup>th</sup> state, Hawaii, via Dale Park, and from our 49<sup>th</sup>, from new reporter Jon Horen, in Fairbanks! And thanks for those cool picture postcards you sent your reports on, Jon!
- Frank Aden took a driving trip of the southwest's national parks and submitted some nice TIS info, which I've included below in a separate section. Not only did Frank here some interesting things, he apparently—driving from Joshua Tree NP to Zion NP by way of the Grand Canyon in one day—kept his foot on the gas the entire time!!
- And your loggings are welcome here. Please submit items in the format you see below, including enough details to help your fellow NRCers log the station. Please use Eastern local time (ELT) for all times, regardless of your local time zone. ELT is now Eastern daylight time, so you need to add the appropriate number of hours to your local time (one for Central daylight, two for Mountain daylight, and three for Pacific daylight) for all loggings submitted to this column. I caught and corrected a couple of obvious time errors this time around, and there were a couple more that looked questionable that I let go because I couldn't determine what the correct time should've been—please, check your time conversion carefully, especially now that Daylight time is ending.

### REPORTERS

DP-HI	Dale Park, Honolulu. Sangean ATS-818CS, Terk AM1000 loop.
DP-HI*	Dale Park, DXing in East Honolulu HI. Honda car radio
DS-TN	Doug Smith, Nashville. 1998 Ford Escort factory radio.
FA-ID	Frank Aden, Boise. DX-398 and 1998 Ford Winstar car radio.
JEL-AR	Jefferson E. Lewis, Fayetteville. Sony ICF-2010.
JH-AK	Jon Horen, Fairbanks. Drake R8B, 500 foot random wire. (Welcome!)
JJR-WI	John J. Rieger, South Milwaukee. Icom R-70, Kiwa loop, MFJ-959B tuner-preamp.
KR-AZ	Kevin Redding, Phoenix. GE 780P, RCA Globetrotter RLG-34T.
MS-AB	Morris Sorensen, Winnipeg. Hammarlund HQ150, DX-392, Space Magnet 2.
WH-CO	Wayne Heinen, Aurora. Drake R8B, N/S and E/W flags, SuperPhaser II, and a few random wires.
Ed.-TX	Your Editor, Wimberley. Sony ICF-2010 with Kiwa filters, Quantum loop.



2930 East Jefferson  
Detroit, Michigan 48207

### STATION CHANGES, LOG UPDATES, ETC.

1100	KNZZ	CO	Grand Junction. 9/26 0300. Noted OFF through the night. This may still have a Sunday Morning SP. (WH-CO)
1260	KPOW	WY	Powell. 10/12 0500. Legal ID to ABC news followed by WW1 Talk show promos. Now 24 hours. (WH-CO)
1470	KAIR	KS	Atchison. 10/3 0200. 24 hours now and is once again // KAIR-FM-93.7 per ID and into AP Net News. Change from the 25 <sup>th</sup> edition of the Log! (WH-CO)
1470	KVLH	OK	Pauls Valley 10/2 0000. Out of OLD music "KVLH Pauls Valley Good Time Oldies" and into Fox news. New format, no longer // FM and a different net. (WH-CO)

### TIS LOGGINGS FROM THE ROAD

540	TIS	AZ	Grand Canyon National Park. 9/27. Signs for it at south entrance, not on! (FA-ID)
1040	TIS	CA	Fresno. 9/16. CSU-Fresno running road reports. (FA-ID)
1610	TIS	CA	Yosemite National Park, East entrance. 9/16. Up and running, 1610 heard with OC in rest in park at times. (FA-ID)
1610	TIS	CA	Joshua Tree National Park. 9/27. South entrance, not on! (FA-ID)

1610	TIS	UT	Mt. Carmel. 9/28. On the air for both Zion and Bryce Canyon National Park. (FA-ID)
1650	TIS	AZ	Grand Canyon National Park. 9/27. Signs for it at south entrance, not on! (FA-ID)

### REGULAR DX LOGGINGS (times in ELT)

550	KFYR	ND	Bismarck. 10/2 0625. Poor but on top with contest promo, calls. (JJR-WI)
580	KMJ	CA	Fresno. 10/10 0039. Fresno State football, announcer saying "24-14, UTEP leads the Bulldogs on KMJ"; ads for Central Valley State Farm agents, women's expo; back to game. Fair; QRM KSSK-590. (DP-HI) KMJ puts one of the loudest stateside signals into Hilo on the Big Island at night. (Ed.-TX)
600	KSJB	ND	Jamestown. 10/2 0631. Fair with "After Midnight" and nice, full ID. Not common, nor this well. (JJR-WI)
620	CKRM	SK	Regina. 10/3 0603. Poor in tight WTMJ null. Calls heard twice. C&W. (JJR-WI)
620	KPOJ	OR	Portland. 10/11 0110. Tentative with oldies music noted before fading underneath probable XESS. Does KPOJ play music on weekends? Very poor. (DP-HI*)
680	WCTT	KY	Corbin. 10/2 0640. Poor in WSCR slop. "Great 68" slogans & OLD. "WCTT" jingle at 0644. (JJR-WI)
680	WOGO	WI	Hallie. 9/28 2000. Poor with legal ID, USA News. Rare! (JJR-WI)
750	KERR	MT	Polson. 10/10 2030. Briefly over WSB with C&W, call ID and local promos. First time for me. (WH-CO)
770	CHQR	AB	Calgary. 10/10 2018. Call ID Station promo and TLK. All alone. May have been while KKOB was off for a balloon accident. (WH-CO)
780	KKOH	NV	Reno. 10/06 0559. ID "7-80 KKOH Reno," man saying "KOH newstime 4 o'clock"; into ABC Information Network news, broke away after net ad for weight loss ad, liner "When It Really Matters, Depend on Newstalk 7-80 KOH"; into local news. Fair; QRM from KGU-760, 2YB-783. (Ever wish you had that kind of QRM? hi) (DP-HI) Think that time is in error; since Reno is on Pacific time, 4:00 am there would be 0700 ELT. (Ed.-TX)
810	KBHB	SD	Sturgis. 10/10 2010. Rodeo report through "KBHB will now lose some of our listeners" and 2015 power cut. (WH-CO)
830	CKKY	AB	Wainwright. 10/10 2233. C&W music, "CKKY Cat Country" ID; mixed w/ WCCO. (WH-CO)
860	KKAT	UT	Salt Lake City. 10/10 2300. Legal ID and "Cat Country 860 AM" to C&W music. First time for me. (WH-CO)
860	CBKF2	SK	Saskatoon. 10/11 0100. "Ici Canada" and CBKF call in FF mixing with KKAT. (WH-CO)
900	CKBI	SK	Prince Albert. 10/10 2249. Local Spots and call ID dominant. (WH-CO)
1030	WBZ	MA	Boston. 10/8 0433. Discussion of Red Sox fans' superstitions; quite clear at times. Usually receive KTWO. (JH-AK)
1030	WEBS	GA	Calhoun. 10/3 0719. Fair with "AM 1030 & Cable Channel 3" slogans, Southern Gospel, alone on frequency. "WEAS" jingles. (JJR-WI)
1070	KKHT	TX	Houston. 10/10 2056-2102. Good, in the clear, with auto ad, mention of "The Word", into SRN news. First time from Fayetteville. Night pattern book shows single lobe SSE. (JEL-AR) 10/11 0302. "AM 1070 KKHT Houston's Word, a service of Salem Communication." KNX phased. First time for this call. (WH-CO)
1100	WTAM	OH	Cleveland. 9/26 0305. First time in a long time dominant this morning. (WH-CO)
1150	CKOL	ON	Hamilton. 10/8 0520. With oldies and occasional QRM in French from CJRC, Gatineau, QC. (JH-AK)
1240	KASL	WY	Newcastle. 10/04 0400. "Locally owned KASL Newcastle AM 1240" and ABC News. First time here and completes Wyoming on 1240. (WH-CO)
1250	CHSM	MB	Steinbach. 10/10 0500. Out of CLA music with "AM 1250" slogans and BN news. (WH-CO)
1250	KWSU	WA	Pullman. 10/10 0858-0900. OC and s/on followed by NPR news. (WH-CO)
1350	KABQ	NM	Albuquerque. 10/11 1005-1021. Air America TLK to local spots and call ID. Nice signal in full daylight. (WH-CO)
1350	WCMP	MN	Pine City. 9/26 2034. Poor but clear with calls, NOS:MYL. Alone. Rare! 52

- watts! (JJR-WI) Once again, I'll say I'm very dubious that stations actually power down to these sub-100 watt powers on a regular basis. (Ed.-TX)
- 1380 KTKZ CA Sacramento. 10/11 0047. "Best of Laura Ingraham," net ads; promo for campaign coverage "on Sacramento's...13-80 KTKZ," local ad for Sunbelt Business Advisors, liner "Where Your Vote Counts, Talk and News 13-80 KTKZ." Fair to poor; over/under probable KUIK-OR. (DP-HI\*)
- 1390 WTJS TN Jackson. 10/3 0706. Poor under WGRB with ad, calls into Art Bell replay. (JJR-WI)
- 1400 KKTL WY Casper. 10/7 0200. Out of "Coast to Coast" with full ID "The Zone." (WH-CO)
- 1440 WJLL NY Niagara Falls. 10/2 0611. Poor with calls, OLD. Steady over others. (JJR-WI)
- 1520 WKWH IN Shelbyville. 10/14 0000. Poor in WLAC splash with calls and Shelby County events. I was located about five miles from the WLAC-1510 transmitters at the time of this reception. (DS-TN)
- 1550 KICS NE Hastings. 9/30 0800. "AM 1550 ESPN for Hasting Grand Island and Kearny" and more ESPN programming. (WH-CO)
- 1550 KUAT AZ Tucson. 10/5 1123 with an NPR talk show about the flu season and the flu vaccine. (KR-AZ)
- 1550 WJIL IL Jacksonville. 10/7 2000. Fair with ID as "You're listening to the Music of Your Life on AM-1550, WJIL, Jacksonville." Only the second time I've heard them here. (MS-MB)
- 1560 WQEW NY New York. 10/7 2001. Poor under KKAA with Radio Disney. NEW here after more than four years of trying! Was not that uncommon when I first lived in MB in 1970s and early 1980s. How things have changed! (MS-MB) Heck, remember when it was classical? (Ed.-TX)

## DDXD-East

### REPORTERS

- MKB-ON Mike Brooker, Toronto – Grundig YB-400PE; Panasonic RF-2200.
- SC-IN Steve Chappell, McCordsville - Bearcat DX-1000; 3 K9AYs.
- HJH-PA Harry Hayes, Wilkes-Barre - Zenith Trans Oceanic, Sony ICF2001, Kiwa Pocket Loop.
- RJ-NC Russ Johnson, Lexington – Sony 2010, longwire.
- IEN-GA Ira Elbert New III, Watkinville - AIWA CSD-FD89
- DT-ON Don Trelford, Toronto – Sangean ATS 818, no antenna (*Don notes that with an external antenna the Sangean picks up CHIN-1540 splash from 1490 to 1700!*)
- NjW-NB Niel Wolfish, Toronto. DXing in Miscou, New Brunswick with AOR-7030+ three beverage antennas and Quantum Phaser.

### UNID HELP

- 1580 WPGC MD Morningside – This is almost certainly Ira Elbert's UNID of 9/26 at 1835. I have heard this ID as "Heaven 1580" and it is also listed as this in the latest NRC log. (HJH-PA)

### PRESUMED/UNID

- 1420 WCEDp PA DuBois – 9/23 2105 – play-by-play of Penn State v. Auburn college football, only ID heard was "Penn State Radio Network". Report was returned "unable to deliver to address" (80 N. Park Ave., Du Bois), fair. (DT-ON)
- 1470 WLMCp SC Georgetown – 9/21 2025 – gospel music, poor (DT-ON)
- WBKVp WI West Bend – 9/18 2105 – C&W music, poor, interference from unidentified. (DT-ON)
- 1500 WGFTp OH Youngstown – 9/18 2000 – older popular music, some WTOP interference, poor. (DT-ON)

### STATION LOGGINGS

- 610 WTVN OH Columbus – 10/12 2345 – local talk show and a weather forecast. Decent, steady signal. "Your official weather station, 610 WTVN". (IEN-GA)
- 750 CBMJ QC Murdochville – 10/5 0748 – CBC Radio One programming heard under CBGY-Bonavista Bay. (NjW-NB)
- 840 KNXT NV North Las Vegas – 10/8 0622 – Coast to Coast show heard just under the

- nulled WHAS Coast Show for 2 weeks and not able to catch an ID till now: Station promo then "on KXNT" in the clear and then same repeated. New state and a total of 46 states and 7 provinces taped. (SC-IN)
- 880 CLKQ MB Brandon – 10/7 0716 – creaming WCBS with ID at end of farm report: "that's our morning farm report on 880 CLKQ", ad for Co-op Feeds, "880 CLKQ Brandon" jingle into C&W song. (MKB-ON)
- 910 KLCN AR Blytheville – 10/15 0701 – in like ton of bricks with slogan "all the classic country artists you know and love on classic country KLCN Blytheville", into C&W song. (MKB-ON)
- 1140 KNEI IA Waukon – 10/10 0135 – daytime-only cheater du jour in WRVA null with ESPN sports talk, stuck around to hear 0200 top of hour ID: "ESPN radio for the Allamakee [county], KNEI Waukon, Iowa". (MKB-ON)
- 1170 WCLN NC Clinton – 10/9 1825 – Very strong w/car dealer ad that mentioned call letters. Promo to dial 952-8555 for latest weather and ad for "The Bad Boys of Radio Morning Show". (HJH-PA)
- 1230 WCBT NC Roanoke Rapids – 10/7 0203 – "ESPN Radio 1230, WCBT Roanoke Rapids" ID. (RJ-NC)
- 1320 CKEC NS New Glasgow – 10/9 1825 – Heard with late 60's to early 70's rock. ID on the hour. Weak to fair signal. (HJH-PA)
- 1330 WHBL WI Sheboygan – 10/11 1905 – over Erie, PA pest with local weather, ID as "that's the latest from the WHBL weather center", into Packers pre-game show for Monday Night Football game. (MKB-ON)
- 1340 WNZS ME Veazie – 10/6 1546 – ID: "Eastern and Central Maine's news station, WNZS", CNN radio news. Over under CBGA7 in Ste.-Anne-des-Monts (*across the bay from us in the Gaspé*) (NjW-NB)
- 1350 WHWH NJ Princeton – 10/7 1924 – poking through ESPN sports talker with Wall Street Journal report, promo for moneytalk1350am.com web site (visiting the site was as good as a legal ID!). (MKB-ON)
- WEZS NH Laconia – 10/6 0826 – Nostalgia music, ID and local weather. Mixing with a station playing Lighthouse (which I'm sure was CKDO). (NjW-NB)
- WPDR WI Portage – 10/15 0708 – over CKDO with ID at end of local weather: "that's your news and weather from your Hometown 1350 WPDR", ad for Link's (or Lynx) Greenhouse. (MKB-ON)
- 1370 WLTC NC Gastonia – 10/6 1923 – wiping out usual pest WSPD with black gospel songs, ID as "I will rejoice in the Lord at all times...we are WLTC Charlotte-Gastonia". (MKB-ON)
- 1400 WVAE ME Biddford – 10/5 0900 – ID and Paul Harvey news. (NjW-NB)
- CBG NF Gander – 10/5 0004 – Radio One jazz program parallel to 640, 750 and 1070; fair over GY mess. (NjW-NB)
- WAMC NY Albany – 10/5 0802 – ID for the various WAMC stations, URL given, into a pledge drive. Poor in mess. (NjW-NB)
- 1410 WPOP CT Hartford – 10/8 0811 – promo for Hartford Wolfpack AHL hockey, ESPN stuff. (NjW-NB)
- 1420 WBSM MA New Bedford – 10/6 0740 – "Greater New Bedford's source for news, WBSM", then took phone calls for a trivia question. (NjW-NB)
- 1430 WXKS MA Everett – 10/6 0800 – dual ID by 1200/1430 mentioning "Boston's new progressive talk radio network", into Air America Radio News; weather report sponsored by WB56. (NjW-NB)
- 1460 WDDY NY Albany – 10/5 0737 – parallel to Radio Dizzy on 1560 with song by Switchfoot; fair signal. (NjW-NB)
- WHIC NY Rochester – 10/6 0740 – surfaced over WDDY with URL given for station and mention of Guardian Angel Church on East Henrietta Road. (NjW-NB)
- CJOY ON Guelph – 10/7 0636 – local sports report, ID and local spots. (NjW-NB)
- WEMD MD Easton – 10/8 1901 – In with local football coverage of the Warriors vs the Seahawks. Good signal at times. (HJH-PA)
- 1470 WTKO NY Ithaca – 10/6 0750 – *can't escape these guys.* "WTKOldies" ID and Hollies' "Bus Stop". Over top of WLAM. (NjW-NB)
- 1520 WIZZ MA Greenfield – 10/6 0725 – over WWKB with nostalgia music, financial news update and ID as "15-20 WIZZ". (NjW-NB)
- 1530 WDJZ CT Bridgeport – 10/6 0745 – dominating 1530 with Caribbean-accented announcer giving baseball scores like "New York 2-nil over Minnesota", nu-

- merous announcements about local religious events; ID and gave a mailing address in Stanford CT several times. (NjW-NB)
- 1550 CBSI8 QC **La Romaine** - 10/6 0718 - SRC programming in French, mixing with CBE-Windsor. (NjW-NB)
- 1570 CFAV QC **Laval** - 10/5 0716 - weather forecast in French, ID as "Radio Nostalgie" and Four Seasons oldie; fair signal. (NjW-NB) (*I have yet to hear CFAV in Toronto. As CKLM they used to be such a pest. Did they change their pattern? mkb.*)
- 1580 WGYM NJ **Hammonton** - 10/7 0732 - briefly on top of WPGC with weather forecast for Atlantic City. (NjW-NB)
- WRDD PA **Ebensburg** 10/7 0625 - *can't escape these guys either* - usual dual "WRCC/WRDD - Cambria Radio Network" ID. (NjW-NB)
- 1700 KVNS TX **Brownsville** - 10/7 0619 - "News talk 1700 KVNS, the Valley's place to talk", local commercial for something in Port Isabel; on top of messy frequency. (NjW-NB)

This is my first DX club BCB column in some 20 years. I used to be ODXA's BCB editor back in the days before home computers, the internet and e-mail made typewriters, rubber cement and Liquid Paper obsolete museum pieces! I even remember Gestetner stencils! 73...Mike (Ah ... the memories ... I can just SMELL that stencil fluid! Thanks, Mike -pls.)

**Confirmed Greg Myers** gregmyers1@juno.com  
P. O. Box 20112  
St. Petersburg, FL 33742-0112

*Your successes in obtaining QSL's and other station items*

- 580 WDBO **Orlando FL**, letter with coverage map printed on it. V/s Steve Fluker, DoE. (Trelford-ON)
- 720 KDWN **Las Vegas NV**, p/d letter in 24 days. Mentioned they are out of "DX cards". V/s Buzz Jones. (Griffith-CO)
- 830 WEEU **Reading PA**, coverage map with note. V/s J. Eng. (?), CE. (Trelford-ON)
- CKKY **Wainwright AB**, n/d letter, sticker in 25 days. V/s Jeff Murray. (Griffith-CO)
- 840 KXNT **Las Vegas NV**, n/d folding card, fridge magnet in 15 days. V/s ? Soreson. (Griffith-CO)
- 850 WNTJ **Johnstown PA**, letter in 24 days. V/s Jim Boxler, CE. (Trelford-ON)
- 1070 WFLI **Lookout Mountain TN**, card. V/s Jeff Gregor, CE. (Trelford-ON)
- 1120 WUST **Washington DC**, letter in 20 days. V/s Brian C. Edwards, DoE. (Trelford-ON)
- 1270 WLBL **Lebanon PA**, card in 18 days. V/s Glenn Waybright, CE. (Trelford-ON)
- 1310 WVIP **Mount Kisco NY**, letter in 15 days. V/s Peter Pelanco, CE. (Trelford-ON)
- 1340 WMTE **Manistee MI**, non-verie letter. Signer was Mike Baerwolf, CE. (Trelford-ON)
- 1350 WHWH **Princeton NJ**, certificate in 28 days. V/s Nick Rapeer. (Trelford-ON)
- WTOU **Akron OH**, letter, key chain in 32 days. V/s Keith Kennedy, PD. (Trelford-ON)
- 1360 WYOS **Binghamton NY**, non-verie in 49 days. Signer was Larry Hodge. (Trelford-ON)
- 1370 WVLY **Moundsville WV**, letter in 10 days. V/s Howard Monroe. (Trelford-ON)
- 1390 WNIO **Youngstown OH**, card, letter in 10 days. V/s James S. Hatzler, DoE. (Trelford-ON)
- WXTC **Charleston SC**, letter. V/s Justin Tucker, CE. (Trelford-ON)
- 1410 WHTG **Eatontown NJ**, card, letter. V/s Mike Helfina, CE. (Trelford-ON)
- 1420 KULY **Ulysses KS**, p/d letter, business card in 15 days for EE rpt. and \$1.00. V/s Gil F. Wohler, GM. (Griffith-CO)
- 1440 WGEM **Quincy IL**, p/d letter, coverage map, VHS tape produces by WGEM-TV about Pres. Clintons visit to Quincy in 2000 and a magazine style book commemorating the first 50 years of WGEM (1997). Returned enclosed \$1.00. Sent via FedEx. All in 19 days. V/s Jay Sade, CE. (Griffith-CO)
- 1460 WTKT **Harrisburg PA**, letter. V/s Jim Porline, CE. (Trelford-ON)
- 1580 WLIJ **Shelbyville TN**, letter in 23 days. V/s Nadine A. Hopkins, President. (Trelford-ON)

Contributors: Patrick Griffith, Westminster, CO; Don Trelford, Toronto, ON



## International DX Digest

**Bruce Conti** nrcidxd@aol.com

46 Ridgefield Drive  
Nashua, NH 03062-1174

**Foreign DX Catches. Times are UTC; for ELI, subtract 5 hrs (summer: 4).**

Northern and southern hemisphere DXpedition reports, the ethics of DXtuners, when synchros go bad, and much more in this week's exciting edition!

### Transatlantic DX

- 162 **FRANCE** Allouis OCT 10 - The audio astounding, S-7 and very clean. Female and male announcers. DXers who have heard hets have a shot at this - go get it! [Collier-PA]
- 909 **ENGLAND** BBC WS synchros OCT 9 0330 - A new one for me with *World Service* program, parallel to 198 LW and 6195 SW. [Renfrew-NY]
- 945 **FRANCE** *L'Mouv*, Toulouse OCT 8 2300 - Tentative with French, and "La France" mention. Definite the following night, OCT 9 2250, with "L'Mouv" ID heard. A new one! [Renfrew-NY]
- 1008 **CANARY ISLANDS** *Punto Radio*, Las Palmas OCT 7 0031 - Quite clear, with man and woman in Spanish reading the news. Gave a *Punto Radio* ID. No others on this frequency noted. [Dangerfield-PA]
- 1116 **SPAIN** *SER*, two synchros OCT 13 0205 - Another new one. In this case the "Cadena SER" ID was clearly heard on DXtuners, while hearing the same program only slightly delayed but much weaker over the air. The program consisted of two women speaking back and forth, with what sounded like some ads (with distinctive music), until news at 0200. The ID was heard at the end of the news. I can see a "slippery slope" here, in claiming a logging that is largely based on listening to the signal on DXtuners. DXtuners is enormously helpful, but it takes some care to parallel the over the air signal with the time-delayed version. I wonder what others think about this new DXing technique? [Renfrew-NY]
- 1179 **SWEDEN** *Sölvesborg* SEP 30 2314 - Good and separable from WHAM. Man in Swedish and pop song with female vocalist. First reception of this station in many a moon though may have had hets. [Dangerfield-PA]
- 1197 **SPAIN** *Euskadi Irratia*, Vitoria OCT 1 0242 - Good; man and woman in teletalk discussing something in a language that must have been Basque. It wasn't Spanish. [Dangerfield-PA]
- 1251 **LIBYA** *Libyan Jamahiriya*, Tripoli OCT 1 0248 - Very strong with typical Mid East music. [Dangerfield-PA]
- 1341 **NORTHERN IRELAND** BBC WS Lisnagarvey OCT 9 0330 - Same program as noted on 909 logging above, though weaker and fading. MW country #57 for me! [Renfrew-NY]
- 1431 **DJIBOUTI** *R.Sawa*, Arta OCT 4 0153 - Best yet from this station. Typical pop music by an orchestra with vocals, mostly fem., then at 0215 the news read by a man in Arabic, another man at times. I was able to check for a parallel and found the same news program on 1548 *R.Sawa* Kuwait. The musical selections were not parallel. [Dangerfield-PA]
- 1359 **SPAIN** *RNE* Madrid OCT 4 0556 - Talk by a man and woman in Spanish; good signal peaks due to sunrise at the transmitter site. [Beu-TX]
- 1521 **SAUDI ARABIA** BSKSA Dubai OCT 1 0316 - Arabic programming including announcements by a man; peaking to good signal level. [Beu-TX]
- 1548 **KUWAIT** *R.Sawa*, Kabd-Kuwait City OCT 4 0205 - Good audio. Had typical *Sawa* music with pop songs and vocals by a woman and a man, but the music wasn't parallel to 1431 *R.Sawa* Djibouti. Broke for news at 0215 when a man and sometimes a second man spoke in Arabic. This news was definitely parallel to 1431. [Dangerfield-PA]

*Ben speaks:* On the eve of our departure for another European river cruise I am pleased to report that the TA signals here continue to be good and plentiful. A week ago, at the end of September I logged 1179 Sweden for the first time in a while and my DX tip resulted in some others also hearing it. Since then I had the best concurrent reception yet from the *Radio Sawa* stations on 1431 and 1548 on October 4<sup>th</sup>. Vitoria Spain has been showing up on 1197 and the new *Punto Radio* on 1008 in the Canary Islands has been sharp. The biggies on 1089, 1134 and 1314 continue to come in. I shall try for some US stations while I am over there, that is, if I can stay up late enough!

*Jim speaks:* In addition to the particular reports above, I can add some general observations about OCT

1 (weak audio heard on 558, 738, 747, 756, 783, 792, 945, 1044, 1314 and 1377), OCT 8 (good audio on 621, 684, 747, 1134), OCT 9 (very weak audio on 890.96), OCT 12 (weak audio on 1107 and 1152, most likely Spain). On most every night I check LW signals are available, usually 162 and 183 are the best.

I am enjoying my new Drake R8B. It is of course much easier to switch modes. It will also be nice to have a much larger bank of memories. The habit of inserting the "dot" with all frequency entries on the R8, not necessary on the R8B, is a hard habit to break! I also retired my 35 year old speaker from my Dad's old reel-to-reel tape recorder, and sprung for the Drake speaker.

#### Pan-American DX

- 740 **MEXICO** XECW Los Mochis, SIN OCT 11 1201-1214 - Three-station ID at 1201 for 740 XECW *R.Variedades*, 1450 XECU *La Rancherita*, and 950 XEORF, no slogan mentioned. A news-cast followed, to 1214 UTC fade-out. New here, XE #206. [Wilkins-CO]
- 790 **MEXICO** XENT La Paz, BCN OCT 13 1234 - Canned ID heard, "XENT Radio Fórmula en el 790 de amplitud modulada... en La Paz, Baja California." Rough in interference; not common here. [Wilkins-CO]
- 860 **MEXICO** XEZOL Cd. Juarez, CHIH OCT 13 1201-1205 - XE anthem; sign-on at 1203, with call letters and slogan "860 Noticias." Poor copy in jumble. [Wilkins-CO]
- 880 **MEXICO** unID OCT 13 1159 - Noted a station here with XE call letters; couldn't make much else out, except "50,000 wats." Don't know of any XE's on 880 with 50 kW. [Wilkins-CO]
- 899.8 **MEXICO** unID OCT 13 0518 - Three XE's heard on about 900 kHz this morning - two right on 900, the other on 899.8 kHz. ID'ed one on 900 (XEDT), but not the other two. Suspect the usuals XEOK and XEW. Will keep checking. [Wilkins-CO]
- 900 **MEXICO** XEDT OCT 13 1124-1135 - XE songs on program "Amanecer Campirano"; male announcer with MDT time checks and temp (9 degrees). Interference from another XE on 900 and one on 899.8 kHz. [Wilkins-CO]

#### Contributors

Mike Beu KD5DSQ, Austin TX; Drake R8B, 70-ft terminated Delta. <michael.beu@cingular.com>  
 Bruce Collier WB3HVV, York PA; Drake R8B, MFJ1025, 375-ft northeast BOG phased against 200-ft east-west minibog. <bcandrita@netrax.net>  
 Ben Dangerfield, Wallingford PA; R8A, four slopers, DXP-3A phaser, Kiwa loop backup. <ben-dangerfield@verizon.net>  
 Jim Renfrew, Byron NY; Drake R8B, Beverage, short wire, Quantum Phaser.  
 John Wilkins, Wheat Ridge CO; Drake R8, 4-ft box loop. <peakbagger3@juno.com>

73 and Good DX!

## South Atlantic DXpedition, October 9-11, 2004 Ilha Comprida, 300 Km SW of São Paulo, Brazil

### By Rocco Cotroneo

#### Africa

- 567 **SOUTH AFRICA** *Talk Radio*, Cape Town OCT 11 2210 - Usual all news program, English.
- 657 **SOUTH AFRICA** *R.Pulpit*, Meyerton OCT 11 2200 - Religious, slightly off (657.98 kHz). In English, with full AM and FM ID at 2200.
- 846.05 **SOUTH AFRICA** *Umkhobo Wenene FM*, Komga OCT 11 2240 - Local music, fair.
- 909 **BOTSWANA** *Voice of America*, Mopeng Hill OCT 9 2125 - Huge signal, English, at times audible on portables with ferrite only.
- 963 **MOZAMBIQUE** *R.Mozambique* OCT 10 2205 - Portuguese, national news and talk.
- 972 **BOTSWANA** *R.Botswana*, Sebele OCT 10 2125 - Local language, music and talk. No parallel on 4820 (still on?).
- 1026 **MOZAMBIQUE** *Emissora Provincial de Manica* OCT 11 2150 - National news relayed by Maputo, than local ID and sign-off with typical xylophone tones at 2200. Mozambique traces on 1008 too.
- 1098 **SOUTH AFRICA** *Ikwekwezi FM*, Ga-Rankuwa OCT 10 2200 - Regular here in Brazil, even 2 kHz off the local pest 1100 *Globo*. Strong in local language. Usually African pop music, religious program on Sunday night.
- 1197 **LESOTHO** WYFR Lancer's Gap OCT 9 2025 - Usually the first African signal here in Brazil.

Strong at times, overloading São Paulo on 1200 kHz.

- 1458 **MAYOTTE** *RFO Mayotte* OCT 10 2045 - News in French, weak.
- 1484.53 **ANGOLA** *Em.Provincial Kuanza-Sul* OCT 9 2120 - Only Angolan this time. Mostly talk.

#### Asia

- 1098 **TAIWAN** *R.France Inter* OCT 10 2215 - Presumed; Chinese, overloading for a few minutes the South Africa station. *Radio Taiwan* schedule says there is a *Radio France Inter* relay at this time.
- 1359 **TAIWAN** WYFR OCT 11 2025 - Religious program, parallel with 1503 and 1557. Switches to Chinese at 2100.
- 1377 **CHINA** CNR1 OCT 9 2105 - Presumed; talk in Chinese with a woman, possibly news.
- 1503 **TAIWAN** WYFR OCT 11 2110 - Unbelievable strong signal at times. This frequency was well stronger than the 1557 outlet, already heard in the past here in Brazil.
- 1557 **TAIWAN** WYFR OCT 10 2025 - This frequency switches from English to Chinese at 2100, too.

Astonishing Asian conditions for three days at local sunset. Four out of five stations coming in from the same transmitting site, in Taiwan, over 18,000 km away. Usual and less usual African station were good too. No usual Middle East stations were heard.

All stations were heard in a car with Rocco's AOR 7030+, two BOG's 140-m each, east and southeast oriented layed on the beach, and a Quantum phaser. A good number of them were tuned also with a NRD 345 and various Sony and Grundig portables.

Rocco Cotroneo, Marcelo Bedene and Wilson Rodriguez were joined, on the third day, by Rudolf Grimm, Carlos Felipe da Silva, Ivan Dias and Carlos Castano.

Sample audio files are available at <http://homepage.mac.com/roccocotroneo>.

## The October 2004 Miscou Island, New Brunswick DXpedition

### By Brent Taylor and Neil Wolfish Compiled by Bruce Conti for DX News

[Taylor-Miscou1] Loggings by Brent Taylor VE1JH of Doaktown, DXing alone at the Miscou DXpedition on the evening upon first arriving. "I set up in the dark and had only a 500-ft unterminated BOG at 075 degrees." Receiver ICOM R75 (Kiwa mods).

[Taylor-Miscou2] Loggings after the arrival of two of the other participants, Ken Alexander and Jacques D'Avignon, and the full antenna setup, with 1000-ft BOGs at 000, 045 and 090 degrees, as well as a Wellbrook ALA-100 active loop. "Although the entire event ran from 01 to 08 October, I was only there for the first 2 days (02-03 OCT UTC). Most of the loggings of 2 OCT are pre-sunset."

[Taylor-Bartibog] Loggings as received while camping in my trailer the following weekend (Oct 8-11) at Bartibog Campground, Bartibog Bridge NB, which is located about 40 per cent of the way from Doaktown to Miscou, using the ICOM R75 (Kiwa mods), and C Crane Justice Antenna mounted outside the trailer.

[Wolfish] Loggings by Niel Wolfish of Toronto, Ontario, DXing in Miscou Island, New Brunswick; AOR-7030+, 3 Beverage antennas.

#### Transatlantic DX Log

- 153 **ALGERIA** *Chaîne 1*, Béchar OCT 5 0242 - Strong with a woman singing. Parallel to a strong 531. [Wolfish]
- 153 **GERMANY** *Deutschlandfunk*, Donebach OCT 5 0400 - Under Algeria with German news-cast by a man. Parallel to 207 and 756. [Wolfish]
- 171 **MOROCCO** *R.Méditerranée Intl.*, Nador OCT 4 0047 - Man in French playing "Layla" by Derek & the Dominoes; good. [Wolfish]
- 183 **GERMANY** *Europe 1*, Felsburg OCT 5 0239 - Strong with Eminem's "Stan." [Wolfish]
- 189 **ICELAND** *RUV Gufuskalar* OCT 4 1637 - Poor with talk by a man; much stronger later in the afternoon at 2046 with AC/DC tune "Thunderstruck." Did not seem to be as strong or consistent as in previous years. [Wolfish]
- 207 **GERMANY** *Deutschlandfunk*, Aholming OCT 6 2126 - On top (with no sign of Morocco); man in German talking about the Middle East. Parallel to 756 (poor) and 1422 (mixing with Algeria) at this time. [Wolfish]
- 207 **MOROCCO** *RTM A*, Azilal OCT 5 2139 - On top of Germany with Arabic singing. Nor-

- mally the dominant 207 station. [Wolfish]  
 216 unID OCT 5 0418 - Could hear a second station underneath *R.Monte Carlo* at this time with the same programming as on 162 France. [Wolfish]  
 252 IRELAND RTÉ Radio 1, Clarkestown OCT 6 2303 - "RTÉ News" read by a man, followed by a woman with sports headlines. Good over Algerian. [Wolfish]  
 270 CZECH REPUBLIC OCT 5 0422 - Presumed with a man and woman talking in what I assume was Czech. Played pop song "I've Had The Time Of My Life." Poor signal. [Wolfish]  
 531 ALGERIA Chaîne 1, El Ain Beida OCT 5 0242 - Under Spain with woman singing. Parallel to a strong 153. [Wolfish]  
 531 SPAIN RNE5 synchros OCT 4 2232 - Poor; woman in Spanish, parallel to 558. [Wolfish]  
 549 ALGERIA Chaîne 1, Les Trembles OCT 4 0055 - Over Spain with woman singing. Parallel to a very strong 890.98 and also a very quiet 153. [Wolfish]  
 549 IRELAND Irish Christian Broadcasters, Monaghan OCT 7 2235 - Male announcer with Irish accent playing inspirational (Christian) music. Strong at this time (no sign of Algeria). [Wolfish]  
 558 SPAIN RNE5 synchros OCT 4 2232 - Same woman as on 531. Fair signal. [Wolfish] OCT 11 0227 - Fair, with woman reading news-type script and man with full ID in Spanish at 0228. Echo effect common to synchros transmissions. [Taylor-Bartibog]  
 576 SPAIN RNE5 Barcelona OCT 4 0105 - Football scores given, ID as "Radio Nacional de España informativos" by a woman; good over a second station on the frequency. [Wolfish]  
 585 SPAIN RNE1 Madrid OCT 2 0055 - Good but fluttery. Woman talking and taking callers in Spanish, then musical ID at 0058, into slow bed song at 0059, then time pips at 0100, with "Radio Nacional de España" ID at top of the hour, and then a man and woman alternating reading the news. [Taylor-Miscou1] OCT 7 2249 - Fair; a man being interviewed by a woman. A second station was underneath. [Wolfish] OCT 11 0231 - Fair to good; two women talking, alternating news in Spanish. [Taylor-Bartibog]  
 594 MOROCCO RTM A, Oujda OCT 5 2137 - Parallel to 207 with Arabic music - man singing. Strong. [Wolfish]  
 594 unID OCT 5 0334 - Somebody playing Roxy Music's "More Than This." [Wolfish]  
 603 FRANCE France Info, Lyon OCT 6 0057 - Lounge-type music, 3:00 a.m. time check heard at 0100. Good and parallel to 1206, 1377, 1404 and 1557. [Wolfish]  
 621 CANARY ISLANDS//SPAIN RNE synchros OCT 4 0108 - Uptempo Latin American-style music. Parallel to a 639 (fair), 648 (fair), 657 (good), 684 (fair) and 774 (good). [Wolfish]  
 639 CZECH REPUBLIC OCT 11 0236 - Tentative; heard when checking for RNE1 parallel 585. RNE1 was indeed there, and while I was listening to it, a man singing in an unID language (not Spanish) came up briefly and dominated. [Taylor-Bartibog]  
 639 SPAIN RNE1 La Coruña OCT 6 0107 - Spanish pop music. Good signal and parallel to 1359. [Wolfish]  
 666 GERMANY SWR Rohrdorf OCT 6 2132 - Man in German, possibly a newscast. Good signal over a second station. Parallel to 7265. [Wolfish]  
 675 LIBYA OCT 4 2249 - Libyan national anthem heard and then nothing - sign-off, I assume; fair signal. [Wolfish]  
 675 NETHERLANDS Arrow Rock Radio, Lopik OCT 2 0101 - Fair to good, with Rolling Stones song at 0103. [Taylor-Miscou1] OCT 5 0251 - Strong with songs by The Eagles, Peter Gabriel and Sheryl Crow. + OCT 6 2140 - Very good; Pink Floyd's "Brain Damage," Arrow jingle and a Bob Dylan song afterwards. [Wolfish] OCT 11 0238 - Good; standard pop music fare. [Taylor-Bartibog]  
 684 SPAIN RNE1 Sevilla OCT 2 2121 - Good; female host playing audio clip of another female with rapid-fire sports play-by-play. Found parallel on 738 at 2123 and parallel 855 at 2125. [Taylor-Miscou2] OCT 7 2321 - Parallel to 774 with song by a woman. [Wolfish] OCT 11 0240 - Armchair copy, loud with woman talking in Spanish, parallel 585 and 639. [Taylor-Bartibog]  
 693 ENGLAND BBC R.5 Droitwich OCT 5 0255 - Parallel to a stronger 909 with a discussion about a book. [Wolfish]  
 702 unID OCT 6 0120 - Arabic singing. Big het, but seemingly undermodulated. Noted again at 2140 with Arabic music. Morocco or Tunisia? [Wolfish]  
 711 FRANCE France Info, Rennes OCT 5 0329 - Fair; parallel to 945 with ID and talk by a man. [Wolfish]  
 729 SPAIN RNE1 OCT 4 0114 - Man and woman talking, parallel to 738, which was slightly better. [Wolfish]  
 738 SPAIN RNE1 Barcelona OCT 2 2123 - Female with sports talk, parallel 684 and 855. [Taylor-Miscou2] OCT 4 0119 - Same program as on 729. Fair signal. [Wolfish]

- 747 NETHERLANDS Radio1, Flevoland OCT 8 0157 - Depressing sounding accordion music. ID and URL address given by a man in Dutch at 0159. [Wolfish]  
 747 unID OCT 2 0105 - Religious music, church organ with choir. Not sure which of the candidates on this frequency might run religious programming. Never heard preaching or identified language. [Taylor-Miscou1]  
 756 GERMANY Deutschlandfunk, Braunschweig OCT 5 0400 - German newscast by a man. Good signal, parallel to 153 (under Algeria) and 207 (under Morocco). Again at 2151 with a man in German, but with noticeable echo from multiple transmitters at this time. [Wolfish]  
 756 SPAIN R.Euskadi, Bilbao OCT 4 0116 - Presumed with a man on phone with somebody. Gave phone number out. Fair. [Wolfish]  
 765 SWITZERLAND RSR Option Musique, Sottens OCT 5 0257 - Playing light French vocals. ID and time check at 0300 by a woman into a newscast. Strong. [Wolfish] OCT 11 0242 - Strong, with French ballad. [Taylor-Bartibog]  
 774 SPAIN RNE1 synchros OCT 4 0120 - Man in Spanish. Almost as strong as 684 at this time. [Wolfish] OCT 11 0243 - Good; man talking in Spanish, parallel 684. [Taylor-Bartibog]  
 774 unID OCT 4 2300 - Woman in Arabic over top of Spain. + OCT 6 0124 - Arabic under Spain. Couldn't find a parallel to determine if this was Egypt or Morocco. [Wolfish]  
 783 MAURITANIA ORTM Nouakchott OCT 7 2316 - Brent Taylor's favourite station parallel to 4845 with a man speaking in Arabic. Fair to good signal. [Wolfish]  
 792 FRANCE France Info, Limoges OCT 5 0005 - Fair; jazz music parallel to a much better 1377. A second station (SER, I assume) audible underneath. [Wolfish]  
 837 CANARY ISLANDS//SPAIN COPE synchros OCT 7 2329 - Strong with promo for a program on the weekend and commercials. No sign of France at this time. [Wolfish]  
 837 FRANCE France Info, Nancy OCT 6 0124 - Parallel to 711 with Bob Marley tune. Over top of COPE. [Wolfish]  
 855 SPAIN RNE1 synchros OCT 2 2125 - Female with sports talk, parallel 684 and 738. [Taylor-Miscou2] OCT 6 0130 - "Radio Nacional de España Radio Uno" ID. Fair signal and it sounded like there might have been something in English underneath. [Wolfish]  
 864 EGYPT Holy Koran R., Santah OCT 7 2331 - Man reciting Koran; fair and then surrendered to France. [Wolfish]  
 864 FRANCE France Bleu, Villebon-sur-Yvette OCT 7 2337 - Over Egypt with Phil Collins song. Parallel to a weaker 1494. [Wolfish]  
 873 SPAIN SER synchros OCT 6 0138 - Guitar music, parallel to 1116. Good signal. A second station was underneath, possibly in English. (Was hoping maybe the second station was BBC R.Ulster, but couldn't parallel it to 1341.) [Wolfish]  
 882 WALES BBC OCT 4 2314 - Strong with what sounded like inspirational music and talking phone calls from listeners. Second station underneath, which I was assume was Spain. [Wolfish]  
 891 ALGERIA Alger Chaîne 1, Alger OCT 5 2305 - Woman reading news in Arabic, with many mentions of Israel. Sounded like a station promo (woman talking over piano music) at the end of the newscast. Strong and parallel to 153 and 531. [Wolfish]  
 900 ITALY RAI Radio 1, Milano OCT 6 2150 - In mess with CKDH (and CKTS); woman and man talking. A news sounder type jingle was heard at 2152 and 2154 and at that point I was able to parallel it to 1575. To clinch things, a "Rai Radiouno" was ID heard at 2155. + OCT 8 0011 - Surfaced with man in Italian and mention of "nottorno Italiano." Couldn't find any other parallel Italians (e.g. 1062, 1332 or 1575) at this time. [Wolfish]  
 909 ENGLAND BBC Radio 5 synchros OCT 4 2234 - Talk about premiership football, ID: "This is the home of the UK's live news and live sports, 5 Live." Fair signal. [Wolfish] OCT 11 0247 - Very good copy, with two men talking in English and taking telephone calls. Topic was the media in general and BBC's coverage in particular. [Taylor-Bartibog]  
 909 unID OCT 5 2157 - Arabic music heard under BBC Radio 5. [Wolfish]  
 936 SPAIN RNE5 OCT 6 0147 - Poor; parallel to a much better 657 with talk by a man in Spanish. [Wolfish]  
 945 FRANCE France Info, Toulouse OCT 5 0326 - Fair; man and woman with discussion in French. Parallel to 711. [Wolfish] OCT 11 0213 - Fair; woman in French and ID at 0213, over faded-down music bed in CINW slop. [Taylor-Bartibog]  
 963 TUNISIA R.Tunisia International, Tunis OCT 6 2232 - Presumed with woman in French. Newscast? Mention of "programme nationale." Another station in here also. [Wolfish]  
 963 unIDs OCT 4 0142 - Somebody playing "Great Balls of Fire." Later heard "Islands In The Stream" at 0157, and even later heard "Lay Lady Lay" by Bob Dylan at 0321. At 0300 time pips and what sounded like a Spanish newscast. R.Euzkadi? More than one station in here. +

- OCT 6 0149 - Shania Twain song. Not sure if this was the same station that had a woman on the phone in Spanish at 0155. At 2211 somebody surfaced briefly with Chicago oldie "If You Leave Me Now." [Wolfish]
- 972 **GERMANY** *NDR Info*, Hamburg OCT 7 2300 - Presumed; woman in German and later a man in German at 2309. On top of Spain (which was parallel to 684). At 2313 recheck I could now hear a man singing in Arabic here as well. [Wolfish]
- 972 unID OCT 6 0120 - Bluesy music: "Don't Touch Me If You Don't Love Me." Fair and then gone. [Wolfish]
- 981 **GREECE** *ERA Athens* OCT 7 0136 - Presumed; Greek music and two men talking in a language I did not recognize. Over a second station with country & western music (Ireland?) At 2347 again with talk in a non-Romance language. Mixing with an Arabic station slightly off frequency, which I assume was Algeria. [Wolfish]
- 990 **SPAIN** *SER* OCT 4 2344 - Poor with CBY. Female announcer and male pop vocal. Parallel to 873, 1025, 1044 and 1080 at this time. [Wolfish]
- 996.78 unID OCT 2 0140 - Never got any audio, but a nice clean carrier here. Varied in strength, so I'm suspecting it was not some local mixing product or freak of nature. [Taylor-Miscou1]
- 999 **SPAIN** *COPE* Madrid OCT 2 0129 - Fair; regular Spanish talk. Arabic chanting clearly discernable underneath. Not sure if this would have been Morocco or Saudi Arabia. Could not pull any audio out of the published parallel frequencies for *RTM A*. [Taylor-Miscou1] OCT 4 0145 - Very strong with Spanish teletalk, parallel to a weaker 837. One of the best TA signals all week. + OCT 5 0330 - Time pips at bottom of the hour, and ID as "La Cadena Cope." An Arabic station was audible underneath (Morocco?). [Wolfish]
- 1008 unID OCT 6 2242 - Stevie Wonder and Jackie Wilson oldies, mixing with a Spanish station. [Wolfish]
- 1017 **GERMANY** *SWF Wolfsburg* OCT 7 2355 - Man and woman in German. Parallel to 7265. Fair signal. [Wolfish]
- 1017 unID OCT 2 2113 - Fair; jazzy piano music. Never heard any vocals or IDs. Not typical of the *RNE* stations copied elsewhere, so I suspect Wolfsburg, Germany. [Taylor-Miscou2]
- 1026 **SPAIN** *SER* synchros OCT 2 2111 - Fair; typical *SER* high-energy talk and sports in big jumble. [Taylor-Miscou2] OCT 8 0000 - Spanish newscast. Parallel to 1044, 1080 and 1116. [Wolfish]
- 1044 **SPAIN** *SER* Valladolid and San Sebastian OCT 2 2110 - Good; typical *SER* sports yelling and play-by-play clips. Hearing both cities here at the same time, with echo-reverb sound typical of synchros broadcasts. Also, talk in another language in background, but too weak to ID. [Taylor-Miscou2] OCT 4 2344 - Fair; female announcer and male pop vocal. Parallel to 873, 990, 1080 and 1116 at this time. [Wolfish]
- 1053 **ENGLAND** *TalkSport* OCT 4 2323 - *James Whale Show* taking phone calls from listeners and telling their fortunes. Fair and parallel to a better 1089. [Wolfish]
- 1053 **LIBYA** *R.Jamahiriyyah*, Tripoli OCT 6 2255 - Libyan national anthem heard. Mixing with *TalkSport*. [Wolfish]
- 1062 unIDs OCT 5 0428 - Woman in an unID language; five time pips plus a longer one at 0430. + OCT 8 0008 - Somebody playing the new U2 song "Vertigo." Not parallel to Italy on 900. [Wolfish] Denmark?
- 1071 unID OCT 8 0017 - Somebody playing "Drive" by The Cars and a Ray Charles tune. [Wolfish]
- 1080 **SPAIN** *SER* synchros OCT 4 2328 - Under WTIC Hartford with the same Spanish talk as on 1026. [Wolfish]
- 1089 **ENGLAND** *TalkSport*, various OCT 2 2106 - Good; "TalkSport sports" being read by woman, into programming promo at 2107, and then thick-accented Scots man with talk in English, and playing audio clips. [Taylor-Miscou2] OCT 4 2327 - *James Whale Show*. Good. Parallel to a weaker 1053. [Wolfish]
- 1098 **SPAIN** *RNE5* synchros OCT 2 2105 - Fair to poor with GY-sounding flutter; man and woman alternating talk. [Taylor-Miscou2] OCT 4 2351 - Station promo which used music from the TV show "Dynasty" as a soundbed. Fair and parallel to 1152 and 1305. [Wolfish]
- 1107 **SPAIN** *RNE5*, various OCT 2 2103 - Good; news being read alternately by a man and woman. Mention of Valencia. Echo sound due to multiple transmitters. [Taylor-Miscou2]
- 1116 **SPAIN** *SER* synchros OCT 2 2103 - More talk and play-by-play. Seemed to be parallel 1179. [Taylor-Miscou2] OCT 4 2347 - Fair; female announcer and male pop vocal. Parallel to 873, 990, 1025, 1044 and 1080 at this time. [Wolfish]
- 1134 **CROATIA** *Hrvatski Radio*, Zadar OCT 2 0135 - Good; woman interviewing man. [Taylor-Miscou1] OCT 4 2357 - Fair; jazzy music, ID by a woman and then by a man just before top

- of the hour. + OCT 6 0212 - *Voice of Croatia* English broadcast. Good signal. [Wolfish]
- 1152 **SPAIN** *RNE5* synchros OCT 4 0155 - "When synchros go bad." Music being played, which sounded horrible with the synchro echo. [Wolfish]
- 1169 **IRAN** OCT 3 0137 - Open carrier, strong and stable; unID at the time, but after returning home and posting a prelim report, Mark Connelly pegged it as Iran, formerly on 1171 and now on 1169 to intentionally interfere with *R.Farda*. UAE. We'll take it! Thanks to Mark. [Taylor-Miscou2] OCT 6 2208-2214 - Presumed; Middle Eastern-style music and female announcer. Strong for awhile, with a very noticeable het on 1170. [Wolfish]
- 1179 **SPAIN** *SER*, various OCT 2 2100 - Good; talk, promos and man taking callers at 2101. Lots of energy and yelling, and sounds like sports play-by-play recaps heard so many times before. Still in at 2137 with same conditions. [Taylor-Miscou2]
- 1179 unID OCT 2 0040 - Fair/poor in WHAM slop. Slow ballad, man singing with accordion backup. Didn't sound Spanish, but not really sure. Not parallel 1044 as far as I could tell. I tried the other parallel frequencies for Romania and Sweden with no luck. Into talk by a man at 0043 and back to music at 0047. Pop vocal at 0050. Probably Spain, but wish it wasn't. [Taylor-Miscou1]
- 1197 **ENGLAND** *Virgin Radio*, various OCT 4 2340 - Poor; Maroon 5 song. Parallel to a better 1215. [Wolfish]
- 1206 **FRANCE** *France Info*, Bordeaux OCT 2 2059 - Good signal; woman speaking in French. Parallel 1242. [Taylor-Miscou2] OCT 7 2345 - Good; French MoR/pop music. Parallel 711 and 1557. [Wolfish]
- 1215 **ENGLAND** *Virgin Radio*, various OCT 4 2334 - Over top of Spain, The Verve's "Bittersweet Symphony." Also a station promo and commercials. Parallel to a weaker 1197. Stronger at 0341 recheck with songs by Red Hot Chili Peppers and The Cure. [Wolfish]
- 1215 **SPAIN** *COPE* synchros OCT 2 2052 - Good; promos and commercials in Spanish, ID at 2058. [Taylor-Miscou2] OCT 4 0200 - Parallel to 1296 with Spanish teletalk. Fair signal. Heard a Spanish version of "Islands In The Stream" at 0335. [Wolfish]
- 1224 **SPAIN** *COPE* synchros OCT 4 2125 - Weak with a woman in Spanish, parallel to a better 1296. [Wolfish]
- 1242 **FRANCE** *France Info*, Marseille OCT 2 2059 - Good signal; woman speaking in French. Parallel 1206. [Taylor-Miscou2] OCT 4 2148 - Fair; ID and what sounded like a newscast. Parallel to 1494 and a much better 1557. [Wolfish]
- 1296 **ENGLAND** *Radio XL 1296 AM*, Birmingham OCT 4 2125 - Tentative; would like to think that this was the one here with the "subcontinental" (South Asian) music under *COPE*. [Wolfish]
- 1296 **SPAIN** *COPE* Valencia OCT 2 2136 - Good; man talking in Spanish, then into commercial or promo at 2137. [Taylor-Miscou2] OCT 4 2125 - ID by a woman and parallel to 1224. Sounded like a second station with subcontinental music was underneath. [Wolfish]
- 1305 **SPAIN** *RNE5* synchros OCT 4 2351 - Same station promo as on 1098. [Wolfish]
- 1314 **NORWAY** *NRK Kvitsøy* OCT 11 0222 - Good; slow Broadway-style female vocal song. [Taylor-Bartibog]
- 1341 **NORTHERN IRELAND** *BBC R.Ulster*, Lisnagarvey OCT 4 2329 - Poor; lengthy weather forecast for the UK. + OCT 6 2013 - Fair; man and woman hosting some kind of countdown show, which included a Marilyn Manson song. [Wolfish]
- 1359 **SPAIN** *RNE1* Madrid OCT 6 0107 - Spanish pop music. Fair signal and parallel to 684. [Wolfish]
- 1377 **FRANCE** *France Info*, Lille OCT 5 0006 - Same jazz music as on 792. Good signal. [Wolfish]
- 1385.95 **GUINEA** OCT 5 2114 - In French with a political discussion. Fair signal. [Wolfish]
- 1394.82 **ALBANIA** *TransWorld Radio*, Fllakë OCT 2 2038 - Presumed; good signal, and off frequency. Man talking, but unable to ID language. Made a recording and will be forwarding it to Renato Bruni in Italy who strongly suspects Albania over Armenia. Both stations have been heard off frequency recently. [Taylor-Miscou2] OCT 5 2027 - Strong with religious program, ID as "TransWorld Radio Slovakia" and an address given in Bratislava. TWR interval signal followed. [Wolfish]
- 1404 **FRANCE** *France Info*, various OCT 6 0057 - Same lounge-type music as on 1206, 1377 and 1557. Poor signal. [Wolfish]
- 1413 **SPAIN** *RNE5* synchros OCT 6 2035 - Woman in Spanish with very noticeable echo. Poor and parallel to 1305. [Wolfish]
- 1422 **ALGERIA** *R.Culture*, Algiers OCT 5 2150 - Female announcer in French. Music on a stringed instrument. Mixing with the German station. [Wolfish]
- 1422 **GERMANY** *Deutschlandfunk*, Heusweiler OCT 5 2152 - Under Algeria, with a man speak-

- ing in German. Parallel to 756. [Wolfish]
- 1422 **IRAN** *IRIB 1* Bakhtaran or *VOIRI* Kermandshah OCT 2 2203 - Fair; mid-east pop music followed by talk in Farsi at 2204. Man and woman taking in French underneath, so suspect that was Algeria. I'd appreciate help on which of the two Iranians would be more likely to play popular music. I'm thinking IRIB, but would welcome input. [Taylor-Miscou2]
- 1431 **DJIBOUTI** *R.Sawa*, Arta OCT 2 2037 - Good, and now a regular visitor here in New Brunswick, with mid-east pop music. [Taylor-Miscou2] OCT 4 2105 - Arabic dance and pop music. Female announcer on phone with somebody. ID and Internet address for station given at 2127. Good signal. [Wolfish]
- 1440 **LUXEMBOURG** *China Radio International* relay OCT 5 2043 - French program with Chinese lessons; fair over/under WJAE. [Wolfish]
- 1449 unIDs OCT 4 2112 - Talk by a man. Didn't sound Arabic, so perhaps this was Iran? + OCT 5 2127 - Man on phone with woman. Sounded Arabic today. Libya? [Wolfish]
- 1458 **ALBANIA** *R.Tirana* OCT 5 2132 - Newscast by a woman in a language that I assume was Albanian. Sounded like there with many mentions of oil prices in American dollars. Good over a second station with what sounded like subcontinental music (perhaps *BBC Asian Network* from Langley Mill?). [Wolfish]
- 1467 **FRANCE** *TransWorld Radio*, Roumoules OCT 2 2133 - Excellent signal; Arabic talk and preaching. Caused a stir in the room for a few seconds, but a check of available schedules shows Arabic programming on TWR at this hour. [Taylor-Miscou2] OCT 4 2030 - ID into religious program (in Arabic?). Good signal. [Wolfish]
- 1476 **AUSTRIA** *ORF Wien-Bisamberg* OCT 5 2132 - Strong with a male announcer in German and "oom pa pa" music. (Must be the perfect time to log this, as I heard them last year two days later on the calendar at nearly the same time.) [Wolfish]
- 1494 **FRANCE** *France Bleu*, Basta OCT 5 2047 - Over top of the *France Info* station (parallel to 1557) playing Tears For Fears' "Woman In Chains," and with a female host taking a phone call. [Wolfish]
- 1494 **FRANCE** *France Info* OCT 4 2147 - ID by a woman. Poor signal. Seemed that the *France Bleu* station was usually the better of the two on 1494. [Wolfish]
- 1512 **BELGIUM** *R.Netherlands* relay, Wolvertem OCT 2 2155 - Presumed. Fair; English interview show. Two men in exchange. Strong suspicion of Wolvertem although last seen schedule doesn't indicate English at this time. [Taylor-Miscou2] OCT 5 2142 - English program about American rap "stars" enjoying Cognac. Strong. [Wolfish]
- 1521 **SAUDI ARABIA** *BSKSA* Duba OCT 2 2020 - Fantastic signal, two hours before Miscou sunset. Arabic chanting and talk by man. Best on 090 Beverage, weaker on the 045 and absent on the 000. Would have thought the 045 would be a better antenna, with better darkness path and more direct also. The 45 degree Beverage did perform best when later heard at 2149, which was nearing local dusk. [Taylor-Miscou2] OCT 6 1938 - Good signal; a man in Arabic talking on the telephone to another man, parallel to both 9555 and 9870 at this time. + OCT 7 2201 - Audible on car radio on the bridge between Isle Miscou and Isle Lamèque with Arabic talk and an annoying het from 1520. [Wolfish]
- 1530 **SAO TOME** *VOA* relay OCT 5 2100 - English ID, Internet info for *VOA* English to Africa. Soon buried by *Vatican Radio* signing on. [Wolfish]
- 1530 **VATICAN** *Vatican Radio* OCT 5 2100 - Sign on over top of *VOA* São Tome with familiar interval signal. + OCT 6 2028 - Audio clips of Pope John Paul II. On top of 1530 at this time. My notes had Portuguese broadcast written down, but apparently they are in Esperanto at this time. Close, I guess! [Wolfish]
- 1539 **SPAIN** *SER* OCT 5 2146 - Poor; Spanish talk, over a second station. Parallel to 1044. [Wolfish]
- 1548 **KUWAIT** *R.Sawa*, Kabd-Kuwait City OCT 5 2150 - Arabic music and ID as "Radio Sawa." Seemed to be a second station underneath in English. [Wolfish] OCT 11 0224 - Fair to poor; man in Arabic and into pop song at 0225. [Taylor-Bartibog]
- 1550 **ALGERIA** *RASD* clandestine OCT 5 2104 - Man in Arabic with many mentions of "Aribiya" in a mess on 1550 with WNTN and *CBC SRC* station in La Romaine, Quebec. Parallel to 7460. [Wolfish]
- 1557 **FRANCE** *France Info*, Nice OCT 2 2031 - Good; two men in conversation in French, into 20-second musical interlude at 2033 and back to talk. [Taylor-Miscou2] OCT 4 2135 - Fair; ID and what sounded like a newscast. Parallel to a weaker 1242 and 1494. [Wolfish]
- 1575 **ITALY** *RAI R.Uno* synchros OCT 6 2150 - Parallel to 900 with a woman and man talking in Italian. Mixing with Spanish station. [Wolfish]
- 1584 **CEUTA** *Radiolé* OCT 5 2110 - Mixing with Spain. Female announcer playing acoustic guitar

- music. [Wolfish]
- 1584 **SPAIN** *SER*, various OCT 2 2035 - Fluttery and GY-sounding; man taking female phone caller at 2035 and into sports-sounding play-by-play clip by a man at 2037. [Taylor-Miscou2] OCT 5 2108 - Parallel to 1044 with a man in Spanish. Over/under *Radio Olé*. [Wolfish]
- 1602 **SPAIN** *R.Vitoria* OCT 5 2204 - Spanish newscast by a man. ID as "Radio Vitoria servicio informativo" at end of newscast. Fair over a second station. [Wolfish]
- Pan-American DX Log
- 530 **TURKS AND CAICOS** *R.Visión Cristiana*, S.Caicos OCT 11 0406 - Excellent; several IDs in Spanish and mention of the New Jersey mailing address. [Taylor-Bartibog]
- 555 **ST. KITTS & NEVIS** *ZIZ* Basseterre OCT 4 0100 - Time pips on the hour, time check as 1 after 9 into "Old Time Gospel Hour." Fair signal. [Wolfish]
- 570 **CUBA** *R.Relej*, Santa Clara OCT 4 0211 - Fair; time pips and Morse code IDs under domestic station. [Wolfish]
- 600 **CUBA** *R.Rebelde*, Urbano Noris OCT 4 0215 - Female announcer playing pop music; parallel 710 and 5025. [Wolfish]
- 650 **COLOMBIA** *RCN Antena Dos*, Bogotá OCT 4 0208 - "Antena Dos" ID and a "La Radio de Colombia" jingle; fair over WSM. [Wolfish]
- 660 **VENEZUELA** *YVQZ R.Anaco*, Anaco OCT 6 2326 - Station promo for a morning program. ID and Latin American music. Fair with WFAN phased. [Wolfish]
- 670 **CUBA** *R.Rebelde*, Arroyo Arenas OCT 11 0348 - Presumed. Good; woman talking in Spanish. Signal seemed parallel to 600 which lists as another *R.Rebelde* outlet. [Taylor-Bartibog]
- 670 **VENEZUELA** *YVLL R.Rumbos*, Caracas OCT 6 2332 - ID and station promos; fair with WSCR. [Wolfish]
- 680 **VENEZUELA** *YVQR R.Continente*, Cumaná OCT 6 2340 - Latin American music. ID heard at 2347. Poor with CFTR in WRKO phase null. [Wolfish]
- 690 **ANGUILLA** *Caribbean Beacon* OCT 6 2352 - Parallel to 6090 with Dr. Gene babbling about Dallas racketeering. Over top of CINF. [Wolfish]
- 740 unID OCT 4 0235 - What sounded like a heated political discussion in Spanish. Commercial for a rock and roll revue. ID that sounded like "Cadena Nacional." Over top of CHWO/CHCM. [Wolfish]
- 750 **VENEZUELA** *RCR* Caracas OCT 4 0216 - Woman talking about a concert event on October 6, ID as "RCR" at 0220. Good signal and no sign of WSB. [Wolfish]
- 760 **COLOMBIA** *HJAJ* RCN Barranquilla OCT 7 0010 - ID heard in mess with WJR and a second Latin American station. [Wolfish]
- 860 **CUBA** *R.Relej* OCT 4 0328 - Usual programming heard under CJBC. [Wolfish]
- 1100 unID OCT 4 0220 - Gospel music heard under WTAM. [Wolfish]
- 1620 **US VIRGIN ISLANDS** *WDHP* Frederiksted OCT 6 2307 - ID and country & western program. Good signal. [Wolfish]

### Post DXpedition Wrap-Up: Brent Taylor

Solar conditions were marvellous (88/2/2), but the nighttime listening didn't measure up to my very high expectations. The Iranian on 1422 was equally good on all Beverages, so that would make sense given a quiet sun and polar pathways. We were hoping for more exotic stuff, but Spain was everywhere. Even the 2kW and 5kW graveyards were in there in synchros jumbles where there was no dominant station on a frequency. We also had a pesky noise that I suspect was a bad dusk-to-dawn light. Intermittent, irregular, buzzing at all the wrong times. We go there for the electrical quiet, and got the opposite.

No luck on India 1566 when I occasionally tuned by. Tried as per Mark's e-mail of late September. Saturday night (Sunday morn UTC) we lost many TA signals and hets before target sunrise, so we suspected a change in propagation. I returned home to find the A higher at 13, but not much else different in the math.

Niel Wolfish and I met to pass the torch yesterday, as he was headed onto the island and I was headed home. Neil and the other remained until the following Friday.

I was pleased at how the Kiwa'd R75 stacked up with the AOR 7030s that everyone else had. Jacques, VE3VIA, heard only one signal that I couldn't hear, but then neither could Ken, VE3HLS, hear it on his 7030, so go figure.

The Quantum Phaser worked great, and my recently-acquired C-Crane Justice antenna was surprisingly good. I threw it in at the last minute on a lark after trying it at home and not being too impressed. On Miscou, adapted and wired with coax into my main switchbox (instead of inductively

coupled to my 7600GR), it was very good - with signals better than the Beverages (which was expected) and pickup approaching the Quantum QX-Pro loop I used last year (which was not expected). I may try to build a stand to mount the head unit on and use it more like the QX Pro next time. The Justice has pretty tight tuning and no Q-spoiler, but otherwise was very impressive.

Based on the Miscou experience, I decided to take the Justice Antenna to Bartibog Campground with me over the Canadian Thanksgiving weekend, and it was very impressive there too. I had purchased the 25-ft extension cable from Crane when I bought the Justice, and I used it to pass the ferrite head's signal into my aluminium-sided trailer through one of the outside storage hatch doors and then in through a hole drilled into the bedroom. All Bartibog loggings above were using the Justice.

## FCC List of Digital-Authorized Stations via Bill Hale

560	WQAM	FL	Miami	950	WWJ	MI	Detroit
560	WIND	IL	Chicago	950	WXGI	VA	Richmond
610	KOJM	MT	Havre	980	WHSR	FL	Pompano Beach
620	WTMJ	WI	Milwaukee	1020	KTNQ	CA	Los Angeles
640	WJNA	FL	Royal Palm Beach	1020	WRHB	FL	Kendall
710	WOR	NY	New York	1030	WBZ	MA	Boston
730	WKDL	VA	Alexandria	1070	KNX	CA	Los Angeles
740	KCBS	CA	San Francisco	1120	WTWZ	MS	Clinton
740	WSBR	FL	Boca Raton	1170	WWTR	NJ	Bridgewater
750	WSB	GA	Atlanta	1200	WCHB	MI	Taylor
750	KOAL	UT	Price	1270	WXYT	MI	Detroit
800	WMTR	NJ	Camden	1360	WKAT	FL	North Miami
830	KMXE	CA	Orange	1400	WJLD	AL	Fairfield
840	KXNT	NV	North Las Vegas	1420	WRMR	OH	Cleveland
810	WGY	NY	Albany	1450	KMRY	IA	Cedar Rapids
850	KFUO	MO	Clayton	1450	WCTC	NJ	New Brunswick
860	WWDB	PA	Philadelphia	1470	WWNN	FL	Pompano Beach
910	KPOF	CO	Denver	1490	WOLF	NY	Syracuse

The **NRC AM Radio Log, 25th Edition**, including cross-referenced listings from 530-1700 khz., is compiled from both listeners' reports and official sources, making it the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. \$19.95 to U. S. members; \$25.95 to U. S. non-NRC members; to Canadian members, \$23.00 (\$29.00 to non-NRC members). Airmail to members in western Europe (except Italy) and Australia, New Zealand, and Japan: \$29.00. All others contact us for exact prices. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).

The **NRC Nighttime Antenna Pattern Book, 5th Edition** is the perfect mate to the **NRC AM Log**, as the NPB provides DX'ers with up-to-date maps of all (except Class IV) stations with nighttime operations. Convenient to use: 3-hole punched for standard binders. Still only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members in Europe (except Italy): \$29.00. All others, please contact us for exact pricing. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)

# DX'er's Notebook

Shared tips, topics, and Internet info

Dave Braun [dcbraun@comcast.com](mailto:dcbraun@comcast.com)

863 Allabands Mill Rd.

Camden Wyoming DE 19934-2132

I'm going to switch gears this time, as we look in on some DXers' attempts to build their own antennas or otherwise improve their listening results. Some of this may be a little "project specific", but the hope is that it will spur others on to try their own projects. Remember that while the suggestions and experiments you read about here are focused on a particular issue, you may be able to use them for a similar task at your location. This time we'll focus on a loop project. Next time we'll look at some other building projects and discuss phasing.

## LOOP QUESTIONS

**Brandon Jordan**, Memphis, TN <[bjordan@bcdx.org](mailto:bjordan@bcdx.org)> I am planning on building a 4' air-core loop and have a question or two that I trust my fellow NRC'ers can help me with. I eventually plan on completely building the classic 4' FET balanced loop as described in the NRC Antenna Reference Manual Vol. 1. The first phase of my project is to fully complete the mechanical loop itself sans amplifier. The main question I have is if it is possible to feed to the loop into either a Quantum QX-Pro control box or the Palstar MW550P preselector/amp? It appears that neither of these two have a balanced input feed so I am hoping that I can use coax from the loop to the amp? As I am very unclear on this matter, any advice is most appreciated.

As both of my main receivers allow for balanced antenna input, I plan on eventually building the FET amplifier described in the plans using dual 2N4416A FET's. From my cursory understanding of these loops, it appears that a balanced loop provides for optimum bearing/directional determination along with low noise operation.

Finally, does anyone have any experience using the digital compasses available these days. I assume their accuracy is good, but I am concerned if they radiate RFI that would interfere with the loop. Many thanks in advance for any feedback on these issues.

**John Wilke**, Milwaukee, WI <[J999w@aol.com](mailto:J999w@aol.com)> I use the Palstar MW550P with my 3' box loop... awesome! Provides tons of gain and makes a big difference over a 'barefoot' loop. I feed my loop with speaker wire, no problem.

**Brandon Jordan** <[bjordan@bcdx.org](mailto:bjordan@bcdx.org)> John— Are you feeding the loop via speaker wire to the MW550P via the 'beverage/longwire' input + ground?

**John Wilke** <[J999w@aol.com](mailto:J999w@aol.com)>

Yes, but it doesn't matter. There isn't a balun inside, the coax and longwire inputs are simply connected together, so use which ever is most convenient.

**Russ Edmunds**, Blue Bell, PA <[wb2bjh@nrcdxas.org](mailto:wb2bjh@nrcdxas.org)> The 2N4416A's have been obsolete for years so far as I know. That's a bit of a problem with building from those 35-year-old specs. But you ought to be able to locate a more current replacement. The tuning cap is also out of manufacture at any reasonable price, however I was able to pick one up on eBay reasonably this summer, and he sold several in succession one at a time - but I don't have any details on him. I've never gotten any benefit from the Q-spoiling pot, and you could probably skip that.

**Brandon Jordan** <[bjordan@bcdx.org](mailto:bjordan@bcdx.org)>

Hi Russ—Mouser has 2N4416A's available, <http://www.mouser.com/index.cfm?handler=displayproduct&lstid=productid=272165>

Antique Electronic Supply has 365 pf single section variable cap's for \$12.

Since you a familiar with the FET amp, what type capacitors are the .01uF 75V "micro-miniature"? Are these ceramic disk?

**Russ Edmunds** <[wb2bjh@nrcdxas.org](mailto:wb2bjh@nrcdxas.org)> I didn't build the FET amp myself, so I can't answer that last question. But I'm glad to hear that the 4416's are still available.

365 pf single-section caps are a dime a dozen. This one is 325 pf and is linear taper. It was a Hammarlund stock item. Cardwell Condensator on Long Island will supply them, but since they almost have to custom make it, the cost is significant. Watch eBay or put a 'wanted' ad on it. The designation

is the same as in the plans - Hammarlund MC-325-M.

The benefit of the linear taper is that you have better separation at the high end of the tuning range than you would otherwise.

**Brandon Jordan** <bjordan@bcdx.org>

Hah, significant is putting it mildly, hi! This from Viking Technologies (formerly Cardwell Condenser): The MC-325M pricing is 1 to 24 pcs. \$95.50 each plus a \$250.00 tooling setup lot charge, 25 to 99 pcs. \$95.50 each no setup charge. Delivery 3/4 weeks after the order is placed.

I have several MC-325S capacitors in stock, if you can use these they are \$112.50 each with no set charge.

**Russ Edmunds** <wb2bjh@nrccdxas.org>Not that it matters, but the -S isn't linear taper, as far as I know.

**Brandon Jordan** <bjordan@bcdx.org>

That is what I gathered and considered the -S useless. Since I've found a source for the -M, it shouldn't matter. If I do get my hands on all 5 of the -M's, I'll definitely let you have one at my cost, which looks like it should be less than 20 bucks.

**Russ Edmunds** <wb2bjh@nrccdxas.org>

Likely the same source I bought one from on eBay by proxy (my son has an eBay account and I don't - now that he's moved into his own place I guess I need to get one and a PayPal account as well. Price is very similar - I think I paid about \$15-16. Thanks!

I have to replace the original (1969) one on my 4' loop because it's lost the ability to hold in place - it slips badly. Plus I'm looking to build a new travel loop.

**Robert Foxworth** <rfoxwor1@tampabay.rr.com>

I would think that the difference between a linear taper tuning behavior, and not, could be seen in the shape of the plates. Most consumer grade caps have a circular shape to the rotor plate outline. This makes the capacitance change per degree of tuning vary. The linear tuning would be gained by the offset of the tuning shaft and the elliptic shape outline of the plates (not circular).

Is this the difference between the M and the S? I don't know. I have several of the non-circular shaped caps packed away, which came from the ITT station when I worked there and the place was closed, nearly 20 years ago.

These caps also had a variant where the tuning shaft extended out either one side, or both sides, which allowed reversed knob rotation for capacitance change. This could be a variant in type numbering as well, I don't know.

What do the -M and the -S mean?

**Rick Kunath** <k9ao@charter.net>

Yes the caps are ceramic disk.

**Brandon Jordan** <bjordan@bcdx.org>Thank you for the bit of information. I have queries out to both Cardwell and a place in Canada for MC-325-M.

Next question, the FET's need to be matched. Can you are anyone else reading this point me in the right direction on how to match transistors? I am thinking I may have to purchase a dozen or so of the FET's and see if I can get a few pairs to match. Again, any guidance is very appreciated.

**Rick Kunath** <k9ao@charter.net>I built the FET preamp circuit used on the NRC long ferrite rod loop. This circuit has a multi-turn pot to balance the gains of the FETs and is easy to set up. It also had a toroid balun on the output and can feed coax to the receiver.

FET balancing was done by disconnecting the loop winding and shorting across the terminals. Find a local station near the high end of the band and adjust the balance pot for a null with the receiver connected. Re-connect the loop and you're all set. There is no trace of instability at all with this design. The schematic is in one of the NRC antenna manuals, and it works beautifully with my box loops

The light loading of the loop primary using the FET preamp and no secondary winding really made a noticeable difference in the sharpness of the loop's tuning. It was a big improvement.

I often used a dual section 365 pf. cap connected as a split-stator cap on my later loop designs. The cap frame is grounded to the loop center-tap, and the fixed sections connect to the loop ends. I got excellent loop balance and good, deep, stable nulls with this method. Nulls are over 60 dB on my last loops. This is a box design, rather than a pancake or spiral. I could never get the symmetry and null

depth with these designs, mainly I believe because there is no way to center-tap precisely. The center-tapped design and good loop balance (along with good preamp balance) seems to help reduce pickup of common-mode noise local to my shack.

My latest loop design uses a 4-section (365 pf per section) cap. I use the center two sections for the high end of the band in the usual split-stator mode (tuning to over 2 MHz), and switch in the remaining two sections in parallel with each respective center section to cover the low end down to below 500 kHz (parallel split-stator sections). You can simulate this design with a 2-section cap and two mica caps switched in parallel with the variable sections.

Make sure to get the windings tight and follow the recommendations in the NRC manual to insert and rotate 8 tongue depressors to tighten the windings further and spread them to reduce distributed capacity. Otherwise you won't get the tuning range you are expecting.

Have fun with the project. It'll be worth the effort.

**Brandon Jordan** <bjordan@bcdx.org>Hi Rick— Many thanks for the detailed response. I have also decided to go with a un-balanced FET design that is described in NRC Antenna Ref. Manual Vol. II.I believe that this is the same design that you described below. Regarding the Hammarlund MC-325 M air cap, it looks like I have found one via the internet and may be able to actually pick up 5 of them, still new in the box. Once I perfect making the 4' loop, I want to build a second one for LW use.

Some of your message is rather vague to me right now as I haven't built a box loop in years. When I was 16, 26 years or so ago, hi!, I built the 'Wedge Loop' and a few years later built the Flick loop and neither one utilizing a amp / pre-amp, so I need a huge refresher course on the entire concept which my first attempt at the 4' loop should remedy. Your description of using dual and quad section 365 pf cap's and achieving 60 dB nulls are intriguing to say the least, but have a few question on exactly how you rigged the capacitors.

Thanks again for the wealth of info,

**Rick Kunath** <k9ao@charter.net>

Yes, that is the preamp I have used over the years. It works beautifully. I used a Bourns 20-turn balance pot when I built mine as the balancing is critical and important.

A split-stator capacitor is a cap with two separate fixed sections on the same frame. The rotor is common between them and connected to the cap frame.

If you connect the cap frame to the loop primary winding center-tap, and one of the fixed cap sections to one end of the loop primary, the other fixed cap section to the other end of the primary winding, you have essentially two cap sections in series, with the cap frame and the loop primary winding center-tap connected together.

The connection of the center tap of the loop primary to the split-stator cap's frame forces the loop primary winding halves to be much better balanced. As you tune the cap both sections move in and out in unison. One thing a split-stator connection does is halve the available cap value. This is because the cap sections appear to the loop primary to be in series and the overall value of capacitance for tuning is one-half the value of each section.

The 4-section split-stator cap with the outer fixed sections connected in parallel with the center sections gets you back to the max value of the single 365 pf cap. You can go to a value of one-half the minimum with the 2-section alone wide open.

I got a lot better loop balance with this kind of connection. And good balance means symmetrical and deep nulls.

Use the caps you ordered and see if you're happy with the symmetry of the loops nulls and the null depth. If you are, you're all set. If not, you can always try the split-stator idea out.

**Brandon Jordan** <bjordan@bcdx.org>

Thank you for the additional info on the pot. I'll try to locate a similar multi-turn pot so I can fine-tune the balancing as much as possible.

Many thanks for going into more detail on this, it was very helpful. I do have an electronics background but I went into the IT field and my electronics knowledge is very rusty since it hasn't been used in ages, hi. But hey, I took some online practice tests for the Amateur Extra class and passed them so I still have a little knowledge floating around the synapses. Of course, that doesn't include code but my NDB DX'ing have brushed me up a bit there.

The main use I want to put a well-balanced loop to is for taking good DF readings. I'm well aware that phasing is really where it is at since you can steer nulls around, but a well built balanced loop would be a great tool in the arsenal.

**Robert Foxworth** <rfoxwor1@tampabay.rr.com>I think the MC-325 may also be listed as a

Hammarlund part. They have the off-center rotor plate mounting which I believe helps with linearity. The metal pieces appear to be cadmium plated. Of course Hammarlund, if I am correct, would be the original part. Isn't Cardwell their successor?

In my version of the NRC 4-foot altaz loop which I built in 1969 (Nelson loop), we used blocks of 3/8 thick polystyrene sheet, cut on a band saw to 3/4 inch, or maybe a bit more, and 9 or 10 inches long, for the winding torquing, and they were very stable. The 3/4 inch dimension was the side that set the winding spacing, i.e. did not touch the windings.

**Russ Edmunds** <wb2bjh@nrcdxas.org> Cardwell bought up the remaining inventory of capacitors when Hammarlund folded and also retained the rights to continue such products as they found potential in, so I guess calling them the successor fits.

**Brandon Jordan** <bjordan@bcdx.org>

Hi Bob—The Cardwell site has a bit of info on the -S and -M here, including specs and schematics: <http://www.cardwellcondenser.com/PAGES/hcMCMCAMCD.html>

Per the link: "MC-S" capacitors have a straight line capacity characteristic. "MC-M" units are wide-spaced for high voltages.

I admit total ignorance on why, or IF, the -S is inferior to the -M for loop purposes, perhaps you knowledgeable folks can expound on why wide-spaced plates would be preferable to narrow spaced. Personally, my main goal is to duplicate the original plans as much as possible. After I complete the loop and am satisfied with it then I will post some updated plans on my web site.

**Russ Edmunds** <wb2bjh@nrcdxas.org>

I'll take a guess here, since we're clearly not working with high voltage <g>, it would seem to me that the wider spacing would permit greater distributive capacitance. Since we're seeking that characteristic in the loop winding itself by means of the spacing between turns and also the insertion of the spacers into the windings, perhaps it helps to have that kind of capacitor. Wasn't a question which was ever posed back in the day when MC-325-M's were plentiful and something like \$11.25 (albeit in dollars of a very different purchasing power) in 1970 when I purchased one to build my original 2' loop. That probably translates into something like \$95 in today's dollars...

**Rick Kunath** <k9ao@charter.net>

Straight line capacitance caps are a lot more critical to tune at the high end on the band. If you look at the M type, you will see that as the cap opens up, the plate area gets smaller making the capacitance change per shaft rotation remain more constant. The tuning on the M type is a lot less hair-trigger at the top end of the band. As far as Q or efficiency neither has any advantage. The difference is in capacitance change vs. shaft rotation.

You use wider spacing to handle higher voltages across the cap. Think "spark gap" here. You don't need wide spacing for a receiving loop. Standard close spaced caps are fine. Wider spacing would make the cap larger and is a real detriment because with the larger area the cap tends to pick up signal capacitively itself. If that happens, you'll be blunting the loop's nulls. There is no advantage in Q or efficiency to the wider spacing.

For a receiving loop, you want a small compact air-variable cap.

**Brandon Jordan** <bjordan@bcdx.org>

I can get my brain around that explanation. Thanks, Rick!



### DXAS back issues on audio

**cassettes: \$3.00 each; specify month and year.**

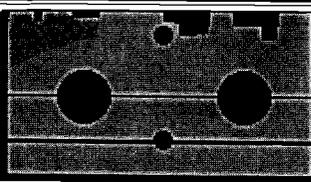
**Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.**

**All activities revealed: the highlights of the 2004 NRC Convention on video: \$15!**

**All the good stuff from the Batavia convention, and much more, on a T-120 VHS tape, taped by Ernie Wesolowski. (\$5 from each order goes to the NRC.)**

**Order from Ernie directly:**

**13312 Westwood Ln - Omaha, NE 68144-3543**



# Musings

## of the Members

*Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.*

**Dave Schmidt** NRCMusings@aol.com

P. O. Box 3111

Scranton, PA 18505-0111

*Times are local per Muse; submit double-spaced only.*

Dave Schmidt - P O Box 3111 - Scranton, PA 18505-0111

No Musings arrived this week via the PO Box or the Email connection, and I don't even have enough material to make any up! (Maybe we should rerun some of the Musings from past April Fuel issues). Remember, the column can only exist if you offer your support to it; that's all we can do. An interesting item showed up on Ebay in the past few days, a transmitter from WABC! Its a Harris MW50, used at the station during the 70's and 80's. Right after mentioning the return of WCDL-1440, an article shows up for their return late Oct./early Nov. Studios are being built in the Carbondale city hall, so if any emergency information has to go on, they won't have to go far to get it on the air! That's it; hope to hear from YOU soon (deadlines are Friday!).

## A DX'er's Technical Guide

The fourth edition of A DX'er's Technical Guide is now available from the IRCA Bookstore. In its nearly 200 pages you will learn about the principles underlying the design of successful receivers, antennas and receiving accessories, find reviews of the best commercially available DXing equipment in different price ranges, as well as detailed instructions for building one's own antennas and other DXing aids. Although it focuses on the technical backdrop to medium wave DXing, it will also be of interest to serious shortwave listeners and low band radio amateurs. The price to NRC/IRCA members is U\$15.00; the non-NRC/IRCA member price is U\$17.50 ... \$20.50 to the rest of the Americas/Europe; \$21.50, Australia/New Zealand/Japan, seasmall. Non-NRC/IRCA members, please add \$2.50. Order your copy today, in US funds payable to Phil Bytheway, from  
**IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334**

## NRC's Antenna Reference Manual, Vol. 3

**Now available - a compilation of 17 articles on antennas, phasing impedance matching, and RF amplification for medium wave DX'ers. Some of the articles have been published in DX News between 1999 and 2004. 8 1/2" X 11" bound book format.**

**Member price: \$11.95 Post Paid; non-member price \$16.95 Post Paid**

**Order from NRC Publications - P. O. Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.**



## ALL RADIO

National Radio Club, Inc. www.nrcpubs.org

All Radio, a supplement to the DX Audio Service, replaces the After Dark series. Now available on two C-100 tapes, you'll find an interview with Dave Graupner, CEO of TMJ Century, about the radio and TV jingle business ... John Bowker with an article on how Clear Channel Radio's competition are starting to copy what they do ... Ken Onyschuk with an article about jazz radio in Chicago ... John Malicky giving us a tour of 540-CBEF (CBC French) in Windsor Ontario ... Mark Durenberger telling about some CBS Milestones ... John Bowker on about FCC rules and regulations ... Fred Vobbe talking about D.R.M. ... A story about a group of people that are trying to get ads pulled out of the Russ Limbaugh show ... From N.P.R., a piece on the consolidation of radio and old time radio ... How Del Rio, Texas, is proposing to give Wolfman Jack a tribute with a large statue ... Fred Vobbe with two stories on EAS fines and regulations, and finally, on the entire side second side of tape 2, Fred talks with Leonard Kahn, of Kahn Communications about digital MW radio. Order Item ART-1. U.S.A Price \$5.00; Canada \$7.00; Overseas \$9.00. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.