

DX News

Serving DX'ers since 1933



Volume 71, No. 4 - October 27, 2003 (ISSN 0737-1659)

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From the Publisher ... It is with deep regret that we announce the death of a long-time, active NRC member; Andy Rugg VA3TEE died at home on Thursday October 9 at the age of 58 in St. Catharines, Ontario.

I might remind all members that if you experience problems with receiving DXN that you contact the publisher in Topeka (addresses on back page) first for the fastest resolution of mail issues, from mangled copies (somewhat rare now) to completely missing DXN's (even rarer, but unfortunately not unheard of) to DXN's with blank pages (once in a blue moon). All the other persons listed on the back page can do is to pass your message along to me for action. And don't forget those address updates when you move - we still have two members whose DXN's have bounced and for whom we have no valid address.

Welcome to these new NRC members ... Ed MacDonald - Kansas City, MO; Stewart Ehly - Iowa City, IA; David Yocis - Washington, DC (rejoins); Eugene Moisan - Bethesda, MD; John O'Boy - San Jose, CA; Ron Ross - Pontiac, IL; Philip Raczka - Twinsburg, OH; Robert Irvin - Castle Rock, CO; Ira Elbert New III - Watkinsville, GA; Willis Monk - Old Fort, TN; Peter Dernbach - Manchester, MO (rejoins); Michael Manning - Newark, DE (rejoins); Don E. Sawyer - Suffolk, VA; Steve McDonald - Mayne Island, BC; Wayne M. Fowks N1WF - Kissimmee, FL; Robert Cullen - Houston, TX; Thomas Jones - Mason, NH; Robert Bolling -

Huntington, WV; David Goren - Brooklyn, NY.

DXN Publishing Schedule, Volume 71

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
5.	Oct. 24	Nov. 3	18.	Jan. 30	Feb. 9
6.	Oct. 31	Nov 10	19.	Feb. 6	Feb. 16
7.	Nov 7	Nov 17	20.	Feb. 13	Feb. 23
8.	Nov. 14	Nov. 24	21.	Feb. 20	Mar. 1
9.	Nov 21	Dec. 1	22.	Feb. 27	Mar. 8
10.	Nov. 28	Dec. 8	23.	Mar. 12	Mar. 19
11.	Dec. 5	Dec. 15	24.	April 2	April 12
12.	Dec. 12	Dec. 22	25.	April 16	April 26
13.	Dec. 26	Jan. 5	26.	May 7	May 17
14.	Jan. 2	Jan. 12	27.	June 4	June 14
15.	Jan 9	Jan. 19	28.	July 2	July 12
16.	Jan. 16	Jan. 26	29.	Aug. 6	Aug. 16
17.	Jan. 23	Feb. 2	30.	Sept. 10	Sept. 20

DX Time Machine

From the pages of DX News:

50 years ago ... from the October 24, 1953 DXN: Steve Walbridge, Pointe Claire, QC inquired about the identity of two Spanish-language stations he had been hearing: one on 1330 kc/s every morning and a Mexican on 550 kc/s until 0200.

25 years ago ... from the November 6, 1978 DXN: The Louisville Publishing Committee changed from an Addressograph system to a typed-and-pasted label system ... One the most important tips for preparing articles for publication was for the writer to use "an electric typewriter with carbon ribbon".

10 years ago ... from the October 25, 1993 DXN: Ray Moore, Key Largo, FL, reported tentatively JOUB-774, Japan, on 9/23, and Shawn Axelrod, Winnipeg, reported his first Hawaiian in KHLO-850 on 9/26, with c&w music.

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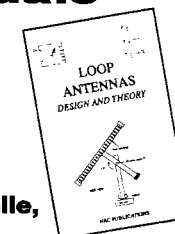
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AM Switch

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

Now that we're on a weekly schedule, the mass of information each week will be less than we've been experiencing the past few issues. That gives you more time to concentrate on perfecting your DX skills. This is in contrast to what those folks who monitor the FCC's FM and TV activities. With LPFM and DTV keeping them busy, I'll settle for good ol' AM.

CALL LETTER CHANGES

	<u>Old call</u>		<u>New call</u>	
670	K***	NV Las Vegas	KSXX	
950	KKHQ	IA Oelwein	KOEL	[The FCC seems to have assigned KKHQ to the FM station, but posted it to the AM last month. So for those of you who changed your Log, please change it back. Thanks to Doug Beard for catching this.
1370	WJMR	KY Fort Campbell	WKFN	MultiCultural Broadcasting
1460	KKCS	CO Colorado Springs	KZNT	WNSW-AM RADIO
1470	KEAN	TX Abilene	KVVZ	449 Broadway New York, N.Y. 10013

GRANTS FOR NEW STATIONS

1560 K*** WA Burbank U7 50000/1400 CH 15000

GRANTS TO EXISTING FACILITIES

1080 KNDK ND Langdon Adds night service with U1 1000/45
1370 WWLG MD Baltimore Is granted an increase in day and night power levels to become U4 50000/7700 along with its request to change CoL to Pikeville, Maryland
1450 WIBM MI Jackson Increases power to become U1 810/810
1450 KZNU UT St. George **Moves to 1440** with U2 10000/420
1500 WGEN IL Geneseo Adds a whopping one Watt at night to become U1 250/1
1540 KXEL IA Waterloo This is for a slight night pattern change where the small lobe to the south would be pulled in decreasing the Wattage thrown that way from 3416 Watts to 3211 Watts, and added, if you will, to the center of their big northern lobe.

APPLICATIONS FROM EXISTING FACILITIES

810 KSWV NM Santa Fe Wants to add 10 Watts at night to become U1 5000/10
1080 KVNI ID Coeur d'Alene Requests CH operation with 10,000, which would make them U12 10000/1000 CH 10000
1130 WRKY KY Murray Requests to lower day power, drop their nighttime service, and move antenna site to become D1 1500/0 CH 1500
1320 WDMJ MI Marquette Reduce night power from 1000 to 135 Watts and go from directional to non-directional to become U1 5000/135 [Re-application]
1410 KDBS LA Alexandria Lowers night power from 49 to 30 Watts at new site; would be U1 1000/30

APPLICATIONS REINSTATED

1380 WABH NY Bath Station wants to increase both day and night power to become U4 10000/450. The original application was refused. (Update from last issue where only the day power was mentioned).

PETITIONS FOR RECONSIDERATION SUBMITTED

1280 WOWZ VA Appomattox Requested U1 5000/160 and was denied, but now has resubmitted asking for U1 5000/58

ENGINEERING AMENDMENTS TO CONSTRUCTION PERMITS SUBMITTED

830 W GA Sandy Springs This would reduce nighttime power to become U4 50000/2400

880 KKMC CA Gonzales Requests a change to their U4 10000/10000 CP to reduce night-time power to 1000 Watts; otherwise unchanged.
1160 WMLB GA East Point Licensed for U4 10000/160, they have a CP for U4 50000/160 but now have applied to add a CH authorization to become U11 50000/160 CH 50000
1270 KNWC SD Sioux Falls Request is for a 100 Watt increase in their night power in their CP to become U4 5000/2300
1430 KCOH TX Houston They are asking to change the height of one tower in their CP for U4 5000/1000

ENGINEERING AMENDMENTS TO APPLICATIONS SUBMITTED

1300 WKSC SC Kershaw First applied to add night operation with 88 Watts, but has scaled that back to 38 Watts; would become U1 500/38.

APPLICATIONS FOR RENEWAL ACCEPTED

540	WFLF	FL	Pine Hills	940	WIPR	PR	San Juan
560	WQAM	FL	Miami	950	WTLN	FL	Orlando
550	WPAB	PR	Ponce	960	WGRO	FL	Lake City
570	WTBN	FL	Pinellas Park	960	WKVN	PR	Quebradillas
580	WDBO	FL	Orlando	970	WVOJ	FL	Jacksonville
580	WKAQ	PR	San Juan	970	WFLA	FL	Tampa
590	WAFB	FL	Clewiston	970	WSTX	VI	Christiansted
590	WDIZ	FL	Panama City	980	WHSR	FL	Pompano Beach
600	WBWL	FL	Jacksonville	990	WMYM	FL	Miami
600	Wael	PR	Mayaguez	990	WDYZ	FL	Orlando
610	WIOD	FL	Miami	990	WPRA	PR	Mayaguez
610	WEXS	PR	Patillas	1000	WYBT	FL	Blountstown
620	WDAE	FL	St. Petersburg	1000	WJBW	FL	Jupiter
630	WUNO	PR	San Juan	1000	WVWI	VI	Charlotte Amalie
640	WJNA	FL	Royal Palm Beach	1010	WIOJ	FL	Jacksonville Beach
640	WVLG	FL	Wildwood	1010	WQYK	FL	Seffner
660	WORL	FL	Altamonte Springs	1020	WOQI	PR	Adjuntas
670	WWFE	FL	Miami	1030	WONQ	FL	Oviedo
680	WRMD	FL	St. Petersburg	1030	WOSO	PR	San Juan
690	WOKV	FL	Jacksonville	1040	WLVI	FL	Boynton Beach
710	WAQI	FL	Miami	1040	WZNA	PR	Moca
710	WKBJ	PR	Mayaguez	1050	WJCM	FL	Sebring
730	WWTK	FL	Lake Placid	1070	WKII	FL	Solana
740	WSBR	FL	Boca Raton	1070	WMIA	PR	Arecibo
740	WQTM	FL	Orlando	1080	WLEY	PR	Cayey
740	WIAC	PR	San Juan	1090	WGDV	VI	Charlotte Amalie
760	WLCC	FL	Brandon	1120	WMSW	PR	Hatillo
760	WORA	PR	Mayaguez	1130	WOIZ	PR	Guayanilla
770	WWCN	FL	North Fort Myers	1140	WQBA	FL	Miami
790	WLBE	FL	Leesburg-Eustis	1140	WRMQ	FL	Orlando
790	WAXY	FL	South Miami	1150	WNDB	FL	Daytona Beach
810	WKVM	PR	San Juan	1160	WEWC	FL	Callahan
820	WMGG	FL	Largo	1170	WSOS	FL	St. Augustine Beach
830	WACC	FL	Hialeah	1170	WLEO	PR	Ponce
850	WFTL	FL	West Palm Beach	1190	WPSP	FL	Royal Palm Beach
850	WABA	PR	Aguadilla	1220	WOTS	FL	Kissimmee
860	WGUL	FL	Dunedin	1220	WJAX	FL	Jacksonville
870	WQBS	PR	San Juan	1230	WGGG	FL	Gainesville
890	WFAB	PR	Ceiba	1230	WONN	FL	Lakeland
900	WSWN	FL	Belle Glade	1230	WBZT	FL	West Palm Beach
900	WMOP	FL	Ocala	1230	WNIK	PR	Arecibo
910	WPRP	PR	Ponce	1240	WMMB	FL	Melbourne
930	WFXJ	FL	Jacksonville	1240	WALO	PR	Humacao
930	WLSS	FL	Sarasota	1250	WHNZ	FL	Tampa
930	WEKO	PR	Cobo Rojo	1250	WJIT	PR	Sabana
940	WRFX	FL	Miami	1260	WSUA	VI	Miami


- derstand average listeners don't care about calls, but that doesn't mean I have to like it! (Ed.-NV)
- 670 KPUA HI Hilo. 9/1 0655. Noted with Bloomberg Radio Network's "Bloomberg On The Money"; network personality with station ID, into Bloomberg News, back to "On The Money." No update regarding Hurricane Jimena, which was to pass within 50-60 miles of the Big Island seven hours from now. The island's other stations (KIPA-620, KKON-790, KHLO-850, KHBC-1060) were on with normal programming. (Later) All stations (including KWHR shortwave) accounted for after the hurricane hit, bringing high winds, flooding and much-needed rain to the drought-stricken island. (DP-HI)
- 700 KALL UT North Salt Lake. 10/8 0845. Local talk pgm in progress; local spots, "Call 700" slogans; legal ID at 0900, then area news with Richard Wadley. Good on peaks with KNUS-710 splatter. Ex-KWLW. (JW-CO)
- 730 CHMJ BC Vancouver. Has dropped Westwood One's "The Tom Leykis Show" due to complaints to Canada's CRTC regarding the show's sexual and pro-men nature. Apparently the show has many fans in Vancouver and Victoria, BC who still listen to Leykis's Seattle FM affiliate. (DP-HI)
- 830 KHVH HI Honolulu. Per station website, station moved "Savage Nation with Michael Savage" to sister station KHBZ-990. As a result of this and show juggling, "Coast to Coast AM with George Noory" is once again live from 0107-0600 (show had started at 0307). (DP-HI)
- 1510 KMZT CA San Rafael. 10/2 1859.30. This local ended "K-Mozart Traffic Report" & gave a KMZT ID at 1900. Said soon to be 24 hours (oh joy). Classical music & return to this call they used several years ago. This is my 10th call from this station and I've missed three or four more when I was DX-inactive. (DKK-CA)

UNID & HELP REQUESTED

- 1460 ???? ?? 10/150831. SS-language stn here with ranchera music, "Radio Ranchito" slogans; one slogan announced 10,000 watts. Looped N-S and strong on peaks, so maybe KBZO with a new slogan, but they don't have 10,000 watts that I know of. More likely is a Mexican, although seemed too strong. (JW-CO)
- 1480 ???? ?? 10/12 0933. Spanish language station here looped SW with "Radio Mujer" programming. Don't know if US or XE. Have heard this station (XEBBB-1040) before, relayed by an Idaho station on 1260. (JW-CO)

REGULAR DX LOGGINGS (times in ELT)

- 540 KKGO CA Costa Mesa. 10/10 2232. Bad to Poor with much Fading. Talk Show host was Mike ??? Discussion on "How do you use the word 'fat'?" (MG-ID) Insert your own joke here. (Ed.-NV)
- 570 KNRS UT Salt Lake City. 10/10 2220. "Family Value Radio." Mike Reagan Talk Show. Subject: Rush Limbaugh Drug Rehabilitation. (MG-ID) Insert your own joke here. (Ed.-NV)
- 570 KVI WA Seattle. 10/16 0837. Good on peaks with local talk show, ads, traffic and weather. Good copy until 0854 when finally faded under KNRS. Haven't heard this one in ten years. Got enough for a good report. (JW-CO)
- 580 KIDO ID Nampa. 10/16 0900. In briefly with traffic, weather, and legal ID; ABC news began at 0901. Needed for a call change, ex-KFXD. (JW-CO)
- 620 CKRM SK Regina. 10/4 2345. Excellent, simply mauling WTMJ without phasing and entertainment quality when WTMJ phased. "Playing a wider brand of county, this is Saskatchewan's home of country music, 620 CKRM." Best ever heard. (NK-IL)
- 660 KTNN AZ Window Rock. 10/12 2252. Good to very good with Navajo chanting and music and call ID. CNN news at 2200 and more Navajo programming after. WFAN phased out and almost no trace of XEEY or other Mexicans noted. Definitely on day pattern! (NK-IL) Some of the most bizarre programming I have ever heard was when this station broadcast Phoenix Suns games in Navajo; to hear Navajo play-by-play with an occasional "nothing but net!" and "slam dunk!" was hysterical. (Ed.-NV)
- 690 CBU BC Vancouver. 10/7 0904. Good, overriding KRMX with CBC news; parallel to 6160 SW, which was also good although severely QRM'ed. (JW-CO)

- 710 WTPR TN Paris. 10/7 0700. Poor but on top with news, weather, ID, in with two others. (JJR-WI)
- 750 KXL OR Portland. 10/8 0850. Traffic, call ID, spot for Wells Fargo. Fair, mixing with others. Semi-rare here. (JW-CO)
- 790 KGHL MT Billings. 10/16 0330 playing C&W, Dwight Yoakum "Streets of Bakersfield" and after a nice bottom of hour (BOH) ID. Was well over KABC. (KR-AZ)
- 840 KMAX WA Colfax. 10/4 2400. Fair with big fades thru WHAS phase null which often needed retweaking. Have had unID weak talk at other times, but time it was much better and I nearly fainted when I noted a KMAX ID at 2400. I came back to it prior to 0100 and it was peaking good and clearly listenable at times. Nice mention of serving Eastern Washington and Western Idaho and a KMAX, Colfax ID into news. At another time I heard a short break with USA net news. After 0100 they had the Radio America net program Dateline Washington. It's easy to serve WA and ID when you cheat with 10 kw day power. New and a huge surprise!! (NK-IL)
- 
- 860 KARS NM Belen. 10/9 2142. Fair to good clearly atop the channel for most of 30 minutes with CJBC phased out. Country mx, call ID's. Slogans as "The Heart of New Mexico," local ads, one of which mentioned "the beautiful city of Belen (pronounced like Bell Lynn)," and an ad for "Chamber Talk" by a woman from the chamber of commerce who called the station "Cars Radio" (a slogan I had never heard on them). QRM was suspected XEZOL (Spanish news) and bits of KPAN and KMVP and later XEMO. (NK-IL)
- 900 CKBI SK Prince Albert. 10/13 0425. Poor but clear. "Country 900 CKBI" on top, then faded out. (JJR-WI)
- 920 KXLY WA Spokane. 10/5 0200. Poor to fair over/under KYFR/others with call ID and into ABC nx (news) and then "When Radio Was." I checked earlier since conditions to WNW were awesome and I noted ABC nx at 0100 and I had a tentative on them from last month with an ad that mentioned Washington. WBAA phased out and WOKY not a problem here most nights. New and my first 5 kw regional from a Pacific state!! (NK-IL)
- 940 CJGX SK Yorkton. 10/13 0412. Fair-VG on peaks w/live C&W, timecheck & sports. "CX94." How refreshing not to be on the bird! (JJR-WI)
- 940 WMAC GA Macon. 10/15 0725+. Fading up and down, but a nice call letter ID, many "Macon" mentions, and an accident report on I-75. New from here. (BH-TX) 10/7 0734 with S9+30 dB signals! Calls and alone on frequency. (JJR-WI)
- 960 CFAC AB Calgary. 10/11 2140. Good reception "Calgary Sports Radio." "Hot Stove Lounge Sports Talk Show." Detailed Hockey scores for the day. (MG-ID)
- 1020 KJJK MN Fergus Falls. 10/13 0408. Fair in fade up o/KDKA w/calls. Oldies "Groovy 10-20 KJJK." (JJR-WI)
- 1050 KTCT CA San Mateo. 10/09 0012. Play-by-play of Golden State Warriors exhibition basketball vs. L.A. Lakers. Oh, it was live from the Stan Sheriff Center in Honolulu! Fair to poor. (DP-HI*)
- 1060 CKMX AB Calgary. 10/4 2136. Excellent and long peak was arm chair copy with KYW phased out. "The work day is over. The mood is?..Candlelight and wine..only on AM 1060 CKMX." Playing a mix of nostalgia and mellow old oldies. By far the strongest I've had them. (NK-IL)
- 1060 KKDS UT So. Salt Lake City. 10/2 0320 atop with ID. Brief weather, another call ID then into NOS music. In null of CKMX. First time heard at night. (DKK-CA)
- 1120 KMOX MO St. Louis. 10/17 0000. With top of hour (ToH) ID and into CBS News. Was weak but readable. Only heard because KANN with religious programming (REL) was either off or destroyed by AU CX. Rare here in Mesa. (KR-AZ)
- 1120 KPNW OR Eugene. 10/12 0756. "Coast to Coast Weekend with Art Bell"; ads for will kit, American Longevity nutrition bar; ID "...Your 24-Hour News and Information Station, Newsradio 11-20 KPNW Eugene-Springfield"; into ABC Info network nx. Fair to very poor. (DP-HI)
- 1130 CKWX BC Vancouver. 10/5 0847. Good with sports, "News Radio 1130" and Vancouver mentions. (MS-MB)
- 1130 KWKH LA Shreveport. 10/6 2258. Fair on top briefly with country music and ID as "1130 KWKH." (MS-MB)
- 1140 CHRB AB High River. 10/4 2140. Excellent crushing WRVA even without phasing with Indian Subcontinental music. Best ever heard and reported in case some one

- was confused by the format which I've IDed them with at prior times on weekends. (NK-IL)
- 1160 **WKCM KY Hawesville. 10/13 0355.** Poor with "Real ID Country" (Huh? What does that slogan mean??-Ed.-NV) jingles and legal ID. Oldies C&W over one or two others. (JJR-WI)
- 1180 **KOFI MT Kalispell. 10/11 2210.** Good with some fading. "Super Gold." Announcer: Mike Harvey. Tunes played were: "Baby, I Need Your Lovin," "San Francisco," "Smokin' In The Boys' Room." (MG-ID)
- 1220 **KCCS OR Salem. 10/7 0303** with after Weather forecast. Had noted them from 0140-0305 mixing with KHS & KWKU. Format was religion. (DKK-CA)
- 1220 **KIIS CA Canyon Country. 10/2 0308** w/Fox Sports under KSF. Was parallel to KXTA-XETRA. KWKU-Pomona QRM..Also 10/7 0200-0330 u/KSFB with KCCS & KWKU. Not near the signal they had 2-3 years ago. (DKK-CA)
- 1240 **KTIX OR Pendleton. 10/11 0302** popped atop with ESPN promo followed by a very clear KTIX ID. Was expecting KQEN-OR who comes in often and is also ESPN. Was looping NE this time & it worked. First time they've been heard since I heard their frequency check in 1954 from Cheyenne WY when they were KWRC. (DKK-CA)
- 1280 **KDKD MO Clinton. 10/13 0346.** Poor though alone with "Classic 12-80 KDKD-AM" and oldies music off bird. 58w! NEW! (JJR-WI)
- 1280 **WADO NY New York. 10.5 0631.** Fair; news, traffic, and "Wado..." jingles in rapid-fire Spanish. (JJR-WI)
- 1280 **WNAM WI Neenah. 10/12 1945.** Poor in fade up w/calls while chasing UNID w/C&W. Rare! (JJR-WI)
- 1350 **KSRO CA Santa Rosa. 0851 10/7.** Weather for area, including coastline; "with Sonoma County's most dependable local weather coverage, I'm ??? on the Voice of Sonoma County, NewsTalk 1350 KSRO"; soon faded. A first-timer here, CA #108. (JW-CO)
- 1360 **KKPR MN Bemidji. 10/4 2100.** Very good far atop KMJM/KSCJ/others with locals ads and call ID at end of talk show and into news. (NK-IL)
- 1440 **WJL NY Niagara Falls. 10/13 0316.** Poor but alone with calls and oldies. (JJR-WI)
- 1480 **KCZZ KS Mission. 10/4 2225.** Fair. This appears to be my unIDed Mexican format here (although there are occasionally other Spanish stations, WLMV and hopefully needed KRXR which cheats with day power) I caught a couple "Doble Zeta" slogans over/under KSDR and unidentified oldies with WBNS phase nulled. (NK-IL)
- 1520 **KOMA OK Oklahoma City. 10/08 2355.** Long-winded preacher Brother Ray Pringle on the "Word of Prophecy" program discussing 1st Thessalonians, gave Jacksonville FL address; ID "News When You Need It, Newstalk 15-20 KOMA Oklahoma City", time check 11 pm and CBS news joined in progress. Jim Bohannon at 0007. Fair to poor; long deep fades, sometimes gone altogether, no sign of KKS-OR. (DP-HI*)
- 1520 **KVTA CA Port Hueneme. 10/15 0859.** Legal ID at 0859:50 "Local news, national news, world news, all news, AM 1520 KVTA Port Hueneme-Oxnard-?"; sounded like there was a third city but the ID was clipped at the end, as CNN news began at 0900:00. Amazing signal, stomping all over KOMA! (JW-CO)
- 1540 **KMPC CA Los Angeles. 10/11 2346** with sports programming heard under local KASA and its 19 watts. Rarely heard here. (KR-AZ)
- 1660 **KXOL UT Brigham City. 10/12 0333.** "You've got the Real Oldies, KXOL". At 0407 IDed as "101.5 FM, KEGA, Oakley". 60s and 70s oldies. Haven't heard these guys for a while. A sign of improving conditions. (PG-CO)
- 1680 **KRJO LA Monroe. 10/15 0742.** Gospel (GOS) tunes. Male announcer with CDT time checks and birthday greetings; several "Your Celebration Station, Rejoice 1680 AM" slogans. Good QRM-free signal until about 0757 when they faded under KAVT. (JW-CO)
- 1680 **KTFH WA Seattle. 10/14 0300** with ID "AM-1680 KTFH" clearly above looped KAVT & dimmer light buzz. Had heard station with foreign language (sounded like Spanish) from 0220-0300 cutting thru KAVT. First time even a peep was heard from them after many many tries. Either exceptional conditions or Seattle forgot to drop power at sunset. Continued on with a program of music. (DKK-CA)

- 1690 **WRLL IL Berwyn. 10/12 0445.** Back again tonight with a good signal in null of local KDDZ. Larry Lujack with a promo for the morning show with him and Tommy Edwards featuring Animal Stories. Top of hour (TOH) identification at 0500 was "WRLL, Berwyn-Chicago." (PG-CO) 10/9 2051. Good with slogan "real oldies" and playing music from late 1950s/early 1960s. Gave ID on hour as "WRLL Berwyn-Chicago" and "Oldies 1690" singing jingle. (MS-MB) 10/7 1902. Poor with legal ID as "Berwyn-Chicago" and into pre-Beatles oldies. (JJR-WI)

KAHN "CAM-D" TEST STATIONS

Leonard Kahn is a name familiar to many NRC members. Leonard is a gifted, creative engineer with a penchant for quixotic projects. Among his best known are "PowerSide," his technique for reducing the carrier level in an AM signal and putting the freed power into a sideband, and his late 1960s/early 1970s method of AM stereo that put a separate channel on each sideband (and required two radios, each tuned to the appropriate sideband!). While these efforts have brought Kahn a lot of attention, none have made much of an impact on AM radio.

Now Kahn is back with something he calls "Cam-D," short for "compatible AM digital." This supposedly gives all the benefits of IBOC but without interference to adjacent channels. To date, Kahn has been very skimpy on the details of his system (see http://www.rwonline.com/reference-room/iboc/04_rw_hd_kahn.shtml for a typical example) but he has apparently convinced some stations to test Cam-D. The list below is from Kevin Redding (thanks, Kev!) but, unfortunately, no other details were available. If any of the following stations are one of your locals, why not give them a call and see what's up?

KKDS Salt Lake City, UT 1060	WJOK Kaukauna, WI 1050
KRCM Beaumont., TX 1380	WLQV Detroit, MI 1500
KRVN Lexington, NE 880	WLYV Ft. Wayne, IN 1450
WDVM Eau Claire, WI 1050	WSDS Ann Arbor, MI 1480
WJFC Jefferson City, TN 1480	

DDXD-East

2003-2004 DDXD-East Challenge!

Frequency	Dates to Listen	Reports Due
670 kHz	10/22 – 10/28	10/29
700 kHz	10/29 – 11/4	11/5
720 kHz	11/5 – 11/11	11/12
760 kHz	11/12 – 11/18	11/19



REPORTERS

- MKB-ON** Mike Brooker, Toronto – Grundig YB-400PE, Panasonic RF-2200.
- MB-IN** Mark Burns, Terre Haute – Drake R8 and Kiwa Loop.
- HJH-PA** Harry Hayes, Wilkes-Barre – Superadio II, Kiwa Pocket Loop.
- IN-GA** Ira Elbert New, III, Watkinsville – 1996 Isuzu Rodeo Premium Audio System 8200.
- IN*GA** Ira Elbert New, III, Watkinsville – AIWA CSD-FD89.
- HN-GA** Herbert Newberry, Milledgeville – Station News.
- DP-HI** Dale Park, Honolulu – Station Notes.
- BT-NB** Brent Taylor, Miscou Island – Drake R8, 550-foot BOG, Quantum QX Pro Loop, Quantum Phaser.
- JV-NY** John Vervoort, Brooklyn – Yacht Boy 400 PE.
- NJW-NB** Niel Wolfish, Miscou Island – AOR-7030+ with 2 beverage antennas.

STATION NEWS

- 770 **WABC NY New York** - Per show's website, station adds "Coast To Coast Weekend with Art Bell". (DP-HI)
- 1160 **WMLB GA East Point** – Now carrying "Music of Your Life" with "Music Radio 1160" slogan. Sister station WMLE-1170 is gone, although still listed in 20043-2004 NRC Log. (HN-GA)
- 1190 **WGKA GA Atlanta** - 10/06 - Per news release on Business Wire, station owner Salem Media changed its format today to conservative talk, featuring shows from Salem Radio and other networks (Laura Ingraham, Dennis Prager, Dave Ramsey, Michael Medved, Hugh Hewitt). (DP-HI)

- 1590 WALG GA Albany - 9/27 - Adds "Kim Komando Komputer Show" per program today; slogan is "Newstalk 15-90". (DP-HI)
- 1690 WSWK GA Adel/Arondale Estates - Reports of this station broadcasting from Arondale Estates are premature. They're currently broadcasting from Adel but plan to be on from Arondale Estates by 11/1/03. (HN-GA)

UNID AND PRESUMED

- 570 WWNCp NC Asheville - 10/8 1926 - presumed with ads for Radio Music Awards, Advance Auto Parts, and Ace Hardware; Mike Reagan Show. (IN-GA)
- 730 WOHSp NC Shelby - 10/8 1925 - presumed with "When A Man Loves A Woman" and other classic hits. (IN-GA)
- 1110 UNID — — - 10/5 0705 - At sign-on, out of instrumental SSB into Spanish "Si tu cultura, si tu musica," and then "Cristobal Ramos presenté..." and the rest faded down into garble. Well after daylight here on Miscou and never got it back for another shot at an ID. WCEC and WPMZ seem to be candidates based on listed format. (BT-NB)
- 1150 WSPZ AL Tuscaloosa - 10/8 2306 - presumed with classic R&B hits, version of "Smoke Gets In Your Eyes" I've never heard before. Mixed with Jim Bohannen show from UNID station. (IN*GA)
- 1310 WDODp TN Chattanooga - 10/8 1942 - presumed with "The Music of Your Life". (IN-GA)
- 1500 WLQVp MI Detroit - 10/1 2341 - religious sermon on what sounded like "the evils of banks and credit cards." Mixing with WTOP. (JV-NY)
- 1560 WPADp KY Paducah - 10/8 2225 - presumed with Temptations' "Just My Imagination" and Michael Crawford "She Loves Me". (IN*GA)
- 1650 WHKTP VA Portsmouth - 9/30 2217 - typical Radio Disney fare. Very clear signal, not much splatter from local WWRU. (JV-NY)
- 1700 WJCCp FL Miami Springs - 10/6 0728 - Sun now high in the sky here on Miscou. Faded up with preaching in Spanish. Back down into the mud at 0730 and returned slightly weaker than before at 0731, playing down-tempo Spanish music. NRC log shows only one SS:Rel station here. (BT-NB)

STATION LOGGINGS

- 550 WDEV VT Waterbury - 10/11 2345 - Mostly weak with promotion of weekday shows using the voices of the actual show hosts. Had ESPN, I believe. Sign off heard at 0005 on 10/12 that mentioned 96.1 FM then was followed by anthem. New. (HJH-PA)
- 560 CFOS ON Owen Sound - 10/8 0645 - Local announcements and oldie by Elvis. Mixing with CHVO-Carbonear. (NJW-NB)
- 580 WLES VA Lawrenceville - 10/11 2240 - In fair to good with oldies music. Ad about advantages of advertising on WLES. Mentioned all Christian programming on Sundays. Slogan: "WLES, your station for Good Time Oldies, right here in Lawrenceville." New. (HJH-PA)
- 590 WARM PA Scranton - 10/1 2358 - "five-ninety WARM, Scranton/Wilkes-Barre." (JV-NY)
- 630 CFCC ON Chatham - 10/7 1944 - Jingle and Seals and Crofts oldie over top of CFCY-Charlottetown. (NJW-NB)
- 650 WSM TN Nashville - 10/4 2352 - Cajun fiddle music, fading up and down in usually dominant WFAN slop. Live concert from the Grand Old Opry, with a break for a "WSM Online" promo and mention of the station's 78th anniversary. Rare these days. (BT-NB)
- 730 WJTO ME Bath - 10/4 0003 - DX Test. A 1000 Hz tone, sending "de WJTO WJTO WJTO..." etc. for about ten repetitions, then a change to a higher pitched tone for another ten, etc. Voice ID also copied at exactly 0530. (BT-NB)
- 750 CBC RelayQC Murdochville - 10/8 0703 - Radio One programming causing an "echo effect" with CBCG-Bonavista. NRC Log doesn't list this relay, but the CBC website does. This would be 80 miles away. (NJW-NB)
- 790 WSKO RI Providence - 10/7 1958 - Dominating 790 now that CFAN has gone silent with National League playoffs. ID at 2000 mentioning FM 99.7. (NJW-NB)
- 890 WLS IL Chicago - 10/6 0653 - WLS ID, then ad for Direct Buy, 1-866-347-3289. WLS used to be a regular here, but since the demise of 890 as a clear channel and

- 980 WOFX NY Troy - 10/6 0654 - Ad for Hudson River Bank, then into another ad for Mangino Pontiac Buick on Route 50. Then, in the same ad island a surprising ad for Fleet Bank. In my radio days we never put competitors' ads in the same set. New. (BT-NB)
- CKRZ ON Peterborough - 10/7 1629 - "980 Cruise" with newscast read by woman. Fair with a severe het from 981. (NJW-NB)
- 1040 WWBA FL Pinellas Park - 10/8 1935 - good with Mike Savage show, calls. New. (MB-IN)
- 1070 CHOK ON Sarnia - 9/30 2204 - "... on information radio ten-seventy CHOK." Then into ESPN. Mixing with what probably was CBA. (JV-NY)
- + 10/4 2349 - Jingle "CHOK" ID during rare CBA Moncton fade-down. New. (BT-NB)
- + 10/7 1950 - Promo for "Beatle Brunch" program on "Information Radio 10-70 CHOK". Over top of CBA-Moncton. (NJW-NB)
- 1110 WUHN MA Pittsfield - 10/13 1930 - creaming WBT with C&W songs, slogan "the best country around, 1110 WUHN", ad for Pittsfield Tire and Auto. A little late to still be on day power, no? (MKB-ON)
- 1130 KWKH LA Shreveport - 10/4 0614 - With full ID and into C&W music during a pre-sunrise fade down of WBBR. Only the second Louisiana station ever heard by me from NB (the other being WWL of course). New. (BT-NB)
- 1160 WBOB KY Florence - 10/4 0620 - With "Cincinnati's best talk, news-talk 11-60, WBOB" ID @ 0628. New. (BT-NB)
- WSKW ME Skowhegan - 10/6 0657 - Sports update and "Magic Stick" ESPN Radio baseball promo, then ad for Skowhegan Savings Bank. (BT-NB)
- 1170 WACU AL Montgomery - 10/8 1955 - Good with oldies ("Windy", "Leader of the Pack"), calls. New. (MB-IN)
- 1200 WOAI TX San Antonio - 10/4 0632 - First time old friend WOAI heard here in about 25 years. 1200 is usually swamped by Ottawa. Lots of news, weather and frequent IDs at my local sunrise on Miscou Island. "San Antonio's official weather station, AM 12-hundred, The Weekend O-A-I" ID @ 0634. (BT-NB)
- 1290 WKBK NH Keene - 10/6 0705 - Talk and news about Howard Dean's tour of southern New Hampshire, news of a fuel spill and a roundup of the previous night's car accidents, followed by information on the Keene Fire Department's memorial parade. ID "WKBK news time, 7:08." (BT-NB)
- CJBK ON London - 10/9 0820 - Commentary about London Knights OHL hockey, ID as "News talk 1290 CJBK". (NJW-NB)
- 1300 WJDA MA Quincy - 10/6 0708 - Boston area sports, into weather. Then ID "1300 WJDA, Mike Logan with news, it's 47 degrees on the South Shore." (BT-NB)
- 1310 CIWW ON Ottawa - 10/9 0819 - Todd Rundgren oldie, spot for Joey's Only Seafood. (NJW-NB)
- 1340 WNZS ME Veazie - 10/5 0718 - Ad for Skyler-Seal Law Firm, Newport Exit at Palmyra. Then into "WNZS weather" forecast and back to CNN Headline News. (BT-NB)
- 1350 CKDO ON Oshawa - 10/9 0808 - Strong with oldies, ID and telephone call with the manager of the Ajax No Frills store. (NJW-NB)
- 1360 WBLC TN Lenoir City - 10/9 1930 - in dogfight with WPTT et al with gospel talk, end-of-program ID as "you've been listening to the Gospel truth radio ministry...on WBLC" into more hard-shell Southern Baptist preaching. (MKB-ON)
- 1370 WXXI NY Rochester - 9/30 2259 - "... tomorrow night at ten on WXXI Rochester", referring to upcoming jazz program. (JV-NY)
- + 10/9 0805 - Out of NPR news with dual AM/FM ID. Mixing with WFEA (doing Music of Your Life). (NJW-NB)
- WTAB NC Tabor City - 10/10 1923 - wiping out usual pest WSPD with South Columbus Stallions high school football pre-game show. String of local ads: Medicine Mart drug store, Time Saver store (with an on-site Kripsy Kreme!), Jack Miller Real Estate, with local addresses (mostly along Highway 701) and phone numbers to boot. Also a promo for www.wtabradio.com web site. Most likely cheating on "Friday night high school football authority" power. (MKB-ON)

KCLO
 1410 KHz 5000 watts
 335 Muncie Road
 Leavenworth, Kansas 66048
 Phone MU 2-1410

- 12
1380 CKLC ON Kingston - 10/9 0802 - Woman with local news. On top of a mess on frequency. (NJW-NB)
- 1410 WPOP CT Hartford - 10/7 2009 - "ESPN Radio 1410" ID and local spots. (NJW-NB)
- 1470 WNAU MS New Albany - 10/8 2015 - Good with Michael Regan show, calls. New. (MB-IN)
- 1500 WFIF CT Milford - 10/5 0728 - Loud over regular WTOP and well into local daylight. Out of broadcast of the Cyr-Teshue(?) Christian Tabernacle, Box 518 Randolph 06405 inviting people in the Madison area to 10 am services. Then ID "Tell a friend about life-changing radio, WFIF" @ 0730 and into Hour of Decision with Billy Graham. New. (BT-NB)
- 1530 WVBF MA Middleborough - 10/6 0716 - Man reading news and information very clearly and slowly. Format matches NRC log listing of the Massachusetts Reading Network. New. (BT-NB)
+ 10/7 1900 - ID mentioning Massachusetts reading network into a reading from the Boston Globe; mixing with WSAI. I assume still running day power at this time? (NJW-NB)
- 1540 KXEL IA Waterloo - 10/8 0000 - "The power source is KXEL Waterloo/Cedar Rapids, Iowa." (JV-NY)
- 1570 WFLR NY Dundee - 10/7 0755 - Spot for Yamaha dealer in Watkins Glen, promo for MRN World of Racing; mixing with C&W station. (NJW-NB)
- WFTU NY Riverhead - 10/7 1918 - On top with ID as "WFTU-Riverhead", PSAs and oldie by Badfinger. (NJW-NB)
- 1580 WRDD PA Ebensburg - 10/9 0752 - "Music from once-upon-a-time, all the time, AM 950 WNCC / AM 1580 WRDD" into 4 Seasons oldie. (NJW-NB)
- 1590 WAKR OH Akron - 9/30 2237 - "you can depend on us for the music you need and the music you love, we're fifteen-ninety WAKR", into nostalgia music. Mixing with an UNID station; no WWRL splatter. (JV-NY)
+ 10/9 0750 - A pest in Ontario and a pest in New Brunswick: with Cleveland Browns promo. (NJW-NB)
- 1620 WTAW TX College Station - 10/7 0022 - On top with promo for wtaw.com. (NJW-NB)
- 1630 KCJJ IA Iowa City - 9/30 2215 - "...playing the best variety, Iowa's music station, AM sixteen-thirty KCJJ." (JV-NY)
- 1690 WRLL IL Berwyn - 10/9 0005 - over nulled WPTX with medley of oldies, slogan "Real oldies 1690, the songs you've always wanted to hear". I listened until about 0045 and they sounded more like "Soundtrack of the Kennedy Administration" since almost all the songs I heard charted between 1961 and 1963. (MKB-ON)
+ 10/9 0700 - Legal ID and slogan "The Windy City's favourite oldies, AM 1690". (NJW-NB)
- KDDZ CO Arvada - 10/9 0645 - Under WPTX and parallel to Radio Disney on 1560, 1640 and 1650 with the ubiquitous "Who Let The Dogs Out" by Baha Men. I wonder how many times a day Radio Disney plays "Who Let The Dogs Out"? (NJW-NB)
- 1700 KQXX TX Brownsville - 10/5 2223 - "Oldies Radio KQXX" ID @ 2224 and into a song. New. (BT-NB)
+ 10/9 0640 - "Oldies 105 point 5" and "Oldies radio KQXX" with songs by The Rolling Stones and The Zombies. Mixing with KTBK. (NJW-NB)
- 1710 PirateNY - New York - 10/9 0749 - Usual Lubavitcher religious programming noted. Poor. (NJW-NB)

KARE

FULL TIME 1000 WATTS

APRIL 28, 1972

P. O. BOX 0 013 307-1470

Broadcasters' Guides to DX and Reception Report Forms

Four different tri-fold guides for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. AM editions in English (EEG), Spanish (SSG), and French (FFG); FM edition in English (FMG). 20 for US\$3.50 (\$4.50 non-members). Reception report forms (NRC members ONLY, please) with NRC logo: in English, 50 for \$6.00 (EERF); in Spanish, .50 each (SSRF); in French, .50 each (FERF). Order from NRC Publications. (NY residents, add sales tax)

International DX Digest

Bruce Conti nrcidxd@aol.com
46 Ridgefield Drive
Nashua, NH 03062-1174

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

Ginnie Lupi has announced the first four dial positions for the *Frequency of the Week Challenge* in her domestic DX column. All are good Latin American targets, so let's extend the challenge to international DXers. Here are the frequencies and IDXD deadlines; 650 kHz - Oct 23, 670 kHz - Oct 30, 700 kHz - Nov 6, and 720 kHz - Nov 12. As Ginnie would say, "Give a listen, report what you hear, and have fun!" Lots of DXers having lots of fun this week, with 34 countries logged from 11 receiver locations!

Transatlantic DX

- 153 ALGERIA *Chaîne 1*, Bechar OCT 2 2326 - Man and woman in Arabic; fair, dominant. [Connelly*rw-MA]
- 162 FRANCE *France Inter*, Allouis OCT 2 2325 - French talk about jobs, then a tropical style vocal with English words; huge. [Connelly*rw-MA] OCT 13 0542-0601 - Man and woman in French with mentions of Paris. Bumper at 0544:15 and possible ID. Man and woman continued with remotes. Pips at 0600. Fair 0550-0555; better in LSB. Only other LWBC with audio was 183, but uncopiable. [Frodge-MI]
- 171 MOROCCO *R.Mediterranee Internationale*, Nador OCT 2 2319 - Man in Arabic; fair. [Connelly*rw-MA]
- 177 GERMANY *DeutschlandRadio Berlin*, Oranienburg OCT 2 2324 - German teletalk, laughing; fair. [Connelly*rw-MA]
- 180 TURKEY *TRT Polatli* OCT 2 2323 - Middle-eastern music; poor. [Connelly*rw-MA]
- 198 UNITED KINGDOM *BBC R.4*, Droitwich et al. OCT 2 2318 - Report about an arms exhibition in London where students were searched for suspicion of terrorist motives; strong. [Connelly*rw-MA]
- 234 LUXEMBOURG *R.Luxembourg*, Junglinster OCT 2 2315 - Romantic female vocal; good. [Connelly*rw-MA]
- 252 ALGERIA *R.Alger International*, Tipaza OCT 4 2231-2254 - Good; religious Arabic vocals with violin and acoustic guitar and discussion in French. [DeLorenzo-MA]
- 527 unID OCT 2 2328 - Het, possible audio. Vatican still here? [Connelly*rw-MA]
- 558 SPAIN *RNE5* synchros OCT 10 2328 - Fair; talk parallel 1107. [Conti-ME]
- 567 IRELAND *RTE Radio 1*, Tullamore OCT 12 0434-0441 - Fair with traditional Irish folk music similar to that used in Riverdance. [DeLorenzo-MA]
- 576 CANARY ISLANDS // SPAIN *RNE5* synchros OCT 11 0017 - Man in Spanish; fair. [Connelly*B-MA]
- 585 SPAIN *RNE1* Madrid OCT 10 2250 - Good; teletalk parallel 855. [Conti-ME]
- 639 SPAIN *RNE1* La Coruña OCT 2 2310 - Parallel 684 with teletalk; fair. [Connelly*rw-MA]
- 675 NETHERLANDS *Arrow Classic Rock*, Lopik OCT 12 0400-0428 - Fair with popular rock tunes by Lynrd Skynrd, Sheryl Crow, The Rolling Stones and Marc Cohn. Very little DJ patter. [DeLorenzo-MA]
- 684 SPAIN *RNE1* Sevilla OCT 2 2307 - Spanish teletalk; loud. [Connelly*rw-MA] OCT 4 0323-0338 - Loud and clear with man in Spanish and bridges of light instrumental music. Slight amount of splatter from 680 WRKO. [DeLorenzo-MA]
- 693 UNITED KINGDOM *BBC R. 5*, Droitwich et al. OCT 2 2306 - English news mentioning Iraq; fair through slop. [Connelly*rw-MA]
- 702 MOROCCO *RTM Sebaa-Aioun* OCT 2 2305 - Arabic music; fair. [Connelly*rw-MA]
- 711 FRANCE *Rennes* OCT 11 0017 - Cabaret style French vocal; over 50 Hz rumble from 711.05 W. Sahara. [Connelly*B-MA]
- 711 WESTEREN SAHARA *RTM Laayoune* OCT 7 0051 - Fair. Man chanting in Arabic. [Dangerfield-PA]
- 729 SPAIN *RNE* synchros, OCT 11 0016 - Spanish chatter; in CKAC slop. [Connelly*B-MA]
- 738 SPAIN *RNE1* Barcelona OCT 2 2304 - Spanish news by man and woman; good. [Connelly*rw-MA]
- 747 NETHERLANDS *Radio 1*, Zeewolde OCT 12 0319-0324 - Good with discussion between man and woman in Dutch. [DeLorenzo-MA]

- 765 **SWITZERLAND** RSR Sottens OCT 2 2303 - Man in French; good. [Connelly*rw-MA] OCT 10 2308 - Good; light French and English vocals, including the Beatles "Here Comes the Sun." [Conti-ME] OCT 11 0013 - "Stand By Me" by Ben E. King from '61; excellent signal, louder than adjacent WJR-760 and within a couple of dB of WABC-770. + OCT 13 2228 - "Scarborough Fair / Canticle" by Simon & Garfunkel; fair to good. [Connelly*B-MA] OCT 13 0400-0404 - Good with news in French. [DeLorenzo-MA]
- 774 **EGYPT** Abis OCT 11 0012 - Arabic vocal; over Spain. [Connelly*B-MA]
- 774 **SPAIN** RNE1 synchros OCT 10 2316 - Good; teletalk parallel 855, over presumed Egypt. [Conti-ME] OCT 11 0012 - Spanish talk by woman; under Egypt. [Connelly*B-MA]
- 783 **MAURITANIA** R.Mauritanie, Nouakchott OCT 10 2314 - Fair; African string music parallel 4845. [Conti-ME]
- 792 **FRANCE** Limoges OCT 2 2301 - News in French by man and woman; to good peak. [Connelly*rw-MA]
- 819 **EGYPT** ERTU Batra OCT 2 2300 - Female Arabic vocal; over Morocco. [Connelly*rw-MA]
- 819 **MOROCCO** RTM Rabat OCT 2 2300 - Parallel 612 with Arabic talk; under Egypt. [Connelly*rw-MA]
- 837 **FRANCE** Nancy OCT 12 2227 - Man in French, light music, then woman in French; dominant. [Connelly*B-MA]
- 864 **EGYPT** Holy Koran R. Santah OCT 2 2258 - Reverberated Arabic sermon; local-like, bombing out France and stronger than adjacent domestics. [Connelly*rw-MA] + OCT 11 0007 - Koranic vocal; fair. + OCT 13 2227 - Reverberated a cappella chant; huge. [Connelly*B-MA]
- 864 **FRANCE** Paris OCT 2 2257 - US disco; briefly good, then quickly buried by Egypt. [Connelly*rw-MA] + OCT 11 0011 - Disco, then French talk and a segment of a French version of the Browns' 1959 hit "The Three Bells"; fading up over Egypt. [Connelly*B-MA]
- 873 **GERMANY** AFN Frankfurt OCT 6 0337 - Fair; a man doing American news and sports, a summary of the Sunday baseball and football. I use this to get news when over there. [Dangerfield-PA]
- 873 **SPAIN** SER synchros OCT 2 2255 - Loud with Spanish talk. [Connelly*rw-MA] + OCT 11 0018 - Newstalk; to good peak. [Connelly*B-MA]
- 891 **ALGERIA** Chaîne 1, Alger OCT 6 0350 - Good with a man speaking in Arabic. [Dangerfield-PA] OCT 11 0035 - Good; Arabic vocal parallel a weaker 549 signal, mid-band conditions overall much better than the low end, no broadcast signals being received on long wave. [Conti-ME]
- 909 **UNITED KINGDOM** BBC R.5 synchros OCT 2 2253 - Man and woman in English; fair. [Connelly*rw-MA]
- 918 **SPAIN** R.Intercontinental, Madrid OCT 11 0015 - Fair; talk in Spanish, as Spain was dominating transatlantic signals now. [Conti-ME]
- 945 **FRANCE** Toulouse OCT 2 2251 - Woman in French; excellent. [Connelly*rw-MA]
- 999 **SPAIN** COPE Madrid OCT 2 2218 - Spanish talk; excellent. [Connelly*rw-MA] OCT 11 0008 - Good; nostalgic vocal parallel 1296. [Conti-ME] OCT 11 0021 - Spanish talk; slightly over possible Morocco. [Connelly*B-MA]
- 999 unID OCT 11 0021 - Arabic talk, telco quality audio; just under Spain. Morocco or Saudi Arabia suspected. [Connelly*B-MA]
- 1017 **GERMANY** SWR1 Wolfsheim OCT 6 0328 - Good; a man and woman in German and short musical bits. This one seldom heard anymore. Must be the reduced power. [Dangerfield-PA] OCT 11 0022 - German talk by woman; good, over Spain. [Connelly*B-MA]
- 1017 **SPAIN** RNE5 synchros OCT 2 2218 - Teletalk. [Connelly*rw-MA]
- 1044 **MOROCCO** RTM C Sebaa-Aioun OCT 2 2221 - Indigenous North African music; good. [Connelly*rw-MA] OCT 10 2330 - Huge carrier, weak audio with North African music. [Conti-ME]
- 1044 unID OCT 11 0025 - Germany suspected with light pop vocal; slightly over others, didn't seem to be Spain or Morocco. [Connelly*B-MA]
- 1053 **MOROCCO** RTM A Tanger OCT 2 2222 - Arabic teletalk; good. [Connelly*rw-MA]
- 1053 **UNITED KINGDOM** TalkSport synchros OCT 13 2224 - Talk about the vulnerability of a player; to good peak over others. [Connelly*B-MA]
- 1062 **DENMARK** Danmarks Radio, Kalundborg OCT 13 0432-0440 - Very good with man in Danish taking phone calls and rock music. [DeLorenzo-MA]
- 1089 **UNITED KINGDOM** TalkSport synchros OCT 6 0327-0348 - Signal in clearly with the usual sports talk by a man and woman. For me, the most consistent UK station. [Dangerfield-PA] OCT 11 0001 - Fair; Sky News, then a football promo, fading up in 1090 WBAL null. [Conti-ME] OCT 11 0028 - US-accented announcer mentioned the Kobe Bryant rape case; fair with

- WBAL phased. + OCT 11 0348 - "Your number one station, TalkSport", then advert with Wild Cherry song "Play That Funky Music." + OCT 12 2234-2238 - Mention of Uzbekistan & Tajikistan, phone number 7042020 given, "TalkSport, your radio" slogan, and then a telephone poll was introduced. Subject was "What beer type do you prefer, bitter or lager?" Presenter took call from British citizen in Denmark. + OCT 13 2230 - Talk by woman; slicing right by local daytimer WILD. [Connelly*B-MA] OCT 13 2120 - Weak English talk, presumed. [Renfrew-NY]
- 1098 **SPAIN** RNE5 synchros OCT 10 2254 - Good; talk parallel 1503. [Conti-ME]
- 1107 **SPAIN** RNE5 synchros OCT 10 2255 - Good; talk parallel 1098, pronounced synchro echo. [Conti-ME]
- 1116 **SPAIN** SER synchros OCT 10 2256 - Good; talk in Spanish through top of the hour time pips. [Conti-ME]
- 1125 **CROATIA** HRT Deanovec OCT 13 0109 - Weak, but parallel to stronger signal on 1134. [Renfrew-NY]
- 1134 **CROATIA** HRT Zadar OCT 7 2317 - Big signal with men conversing followed by a male vocal. This station has been the clearest and most consistent TA and seems to make it through all kinds of area noise plus splatter from 1130. Plays lots of Croatian music. [Dangerfield-PA] OCT 8 0029-0037 - Loud and clear with news program in Croatian with very brief bridges of instrumental music between items. They would run a few seconds of a sound byte in English and then translate into Croatian. [DeLorenzo-MA] OCT 10 2340 - Good; woman in presumed Croatian, later Slavic rock/folk vocals, over COPE Spain. [Conti-ME] OCT 11 0028 - Slavic female talk; huge, well over Spain. + OCT 12 2242 - Speech, then reporter comment; excellent. + OCT 13 2220 - English talk noted. [Connelly*B-MA] OCT 13 0108 - Very strong for my first TA of the season, with typical eclectic music mix and few announcements, possible web address given at 0157. [Renfrew-NY]
- 1143 **SPAIN** COPE synchros OCT 10 2335 - Good; talk parallel 1296, synchro echo. [Conti-ME]
- 1179 **SWEDEN** R.Sweden, Solvesborg OCT 13 2234 - Tentative; probably this with female jazz vocal; over SER synchros. [Connelly*B-MA]
- 1188 **HUNGARY** RFE Marcali OCT 2 2227 - Slavic telephone interview; fair. [Connelly*rw-MA] + OCT 13 2223 - Woman and man with Slavic talk; excellent. [Connelly*B-MA]
- 1206 **FRANCE** France Info, Bordeaux OCT 10 2246 - Excellent; woman in French parallel 1377. [Conti-ME] OCT 12 2250 - Parallel 1377 with woman in French; excellent. [Connelly*B-MA] OCT 13 0130 - Same as heard on 1377, sometimes stronger, but mostly weaker. I think this is a new one for me. [Renfrew-NY]
- 1215 **SPAIN** COPE synchros OCT 10 2242 - Good; talk parallel 1296, then into ad string. [Conti-ME]
- 1215 **UNITED KINGDOM** Virgin R. synchros OCT 13 2236 - English interview; fair, dominant. [Connelly*B-MA]
- 1224 unID OCT 10 2240 - Fair; talk in an unID language, perhaps Serbian program from R.Bulgaria. [Conti-ME]
- 1296 **SPAIN** COPE Valencia OCT 10 2237 - Good; teletalk parallel 1134. [Conti-ME] OCT 11 2250 - Good; talk show in Spanish, with phone caller exchange with host. [Taylor-NB]
- 1305 **SPAIN** RNE5 synchros OCT 2 2228 - Spanish talk; good. [Connelly*rw-MA]
- 1314 **NORWAY** NRK Kvitsøy OCT 12 2248 - Pop vocal, Norwegian talk; fair with some CKEC/WDER-1320 slop. [Connelly*B-MA]
- 1377 **FRANCE** France Info, Lille OCT 11 0034 - Woman in French and musical interlude; good, at least as strong as adjacent WMYF-1380. + OCT 12 2250 - Parallel 1206 with talk; fair to good. [Connelly*B-MA] OCT 11 2246 - Good, with talk in French. Male announcer threw to a female reporter at 2248, then a two-way exchange between the two of them. [Taylor-NB] OCT 13 0130 - Fairly strong, but long fades; news read by a female announcer 0130-0135, vocals followed with electronic instrumentation. Streaming audio almost a minute delayed, but it was here that I heard a "Vous écoutez France Info" ID at 0200. [Renfrew-NY]
- 1404 **FRANCE** synchros OCT 2 2229 - Parallel 1206, 1377 with French talk; to fair peak, through WIDE slop. [Connelly*rw-MA]
- 1422 **GERMANY** DLF Heusweiler OCT 11 0048 - Good; man in German. [Conti-ME]
- 1458 **ENGLAND** Sunrise Radio, Brookmans Park OCT 11 0045 - Tentative; talk in an unID language, briefly strong with deep fades, RTSH Albania off the air at this time. [Conti-ME]
- 1467 **FRANCE** TWR Roumoules OCT 2 2231 - Southern US accented preacher; excellent, local-like. [Connelly*rw-MA] OCT 10 2215 - Excellent; "On 1467 medium wave and in the UK on Sky Digital channel 888, this is TWR, God's word in today's world," into Bible program. [Conti-ME] OCT 13 2122 - Woman in Arabic; loud. + OCT 13 2214 - Choral music concluded.

- then British-accented preacher gave UK address. TWR ID by woman mentioned 1467 kHz and a satellite channel. Good signal. [Connelly*B-MA]
- 1503 **IRAN** *IRIB* Bushehr OCT 11 0040 - Presumed with Koranic vocals, no parallels found to confirm, over RNE Spain. [Conti-ME]
- 1503 **SPAIN** *RNE5* Piñeira OCT 2 2240 - Woman in Spanish. [Connelly*rw-MA] OCT 10 2226 - Good; talk parallel 1107, separate from *RNE1* programming at this time. [Conti-ME]
- 1512 **BELGIUM** *RNW* Wolvertem OCT 10 2210 - Bits of news / discussion in English, too much 1510 WWZN interference to understand topic of discussion. [Conti-ME] OCT 11 2228 - English talk, and then full sign off with ID, mentions of Internet www.rnw.nl address and the whole thing. "It's time we leave you now, on 1521 kHz to Europe." Murphy's Law suspended this evening as station faded to huge signal just at ID and sign-off time. [Taylor-NB]
- 1512 **SAUDI ARABIA** *BSKSA* Jeddah OCT 2 2233 - Arabic vocal; fair to good, through blank carrier that was probably post-sign-off Belgium. [Connelly*rw-MA] OCT 10 2235 - Fair; likely this with Koranic recitations, no *Call of Islam* parallels found for comparison. [Conti-ME] OCT 11 2230 - Fair/poor. Heard with Arabic vocal singing and occasional music clearly after *RNW* sign-off at 2230. Audio was parallel 15230 but not 9730 as far as I could tell. [Taylor-NB]
- 1521 **SAUDI ARABIA** *BSKSA* Duba OCT 2 2234 - Emotional Arabic talk by man (possible preaching); huge. Second station under also sounded mid-eastern, possibly Iran. [Connelly*rw-MA] OCT 5 2210-2231 - Strong; man and woman in Arabic and Arabic vocal music with violins and drums, parallel to 9555 and 9870. In the clear following 1520 WIZZ signoff at 2215. + OCT 8 2215-2220 - Very loud and clear with man in Arabic (sounded like a sermon) parallel to 9555 and 9870 kHz. [DeLorenzo-MA] OCT 10 2205 - Fair; two men in Arabic, parallel 9555 and 9870. [Conti-ME] OCT 12 2222 - Parallel 9555 and 9870 with woman in Arabic; good, stronger than 1520. + OCT 13 2115 - Arabic news; loud well before sunset. [Connelly*B-MA]
- 1548 **ENGLAND** *BBC R.Bristol* OCT 13 0304 - Presumed; man in English accent reading news, items about IRA and Middle East. Poor after *R.Sawa* fade out at 0303. Very sedate delivery, not what one would expect from a commercial station. Did not catch any ID. Listed at only 5 kW. [Taylor-NB]
- 1548 **KUWAIT** *R.Sawa*, Kuwait City OCT 2 2238 - Pop music, Arabic talk; fair. [Connelly*rw-MA] OCT 13 0254 - Fair to poor with pop music at Kuwaiti sunrise according to my trusty DX Edge. Programming is parallel 7185 SW. I'm also hearing an intermittent carrier coming on and off on 1547. Not a clue what that's all about. Now 0300 and still copying on MW, but the HF signal on 7185 is gone, right on schedule, and 7175 is now copyable here and still parallel to 1548. New. [Taylor-NB]
- 1584 **CEUTA** *RadiOlé*, Ceuta OCT 2 2237 - Showtune-style female Spanish vocal; very good. [Connelly*rw-MA] OCT 10 2223 - Good; pop vocals. [Conti-ME] OCT 15 2127 - Emotional Spanish vocal; way over *SER* talker. [Connelly*B-MA]

Renfrew Field of Dreams: In addition to the above, I also noted tantalizing hets on 1602, 1548, 1314, 909, 882, and 711.04. It all but disappeared after 0200. Curiously, LW signals were absent. Having heard that European DXers were getting strong signals from the Far East this weekend, I decided to check out the TA situation, even though my beverage antenna is still unleashed. The corn has been removed from the field, but I haven't had the chance to get out there yet. The owner of the field offered to do a second cut to minimize the remaining stalks along my expected antenna direction - just the kind of thing I like to see: neighbors pulling together to "prepare the way" for DX!

Dangerfield Embarks: Except for the night of Oct 5/6, TAs have been so-so, the only consistently strong station being Croatia-1134. The high end has been rather poor in the first week of October except for the usual 1521 powerhouse. On Oct 5/6 there was an opening from the more northern parts of Europe with some Germans coming through, the best of these when I was tuning was on 1017 although weaker signals were heard on 756, 873, 1422 and 1539. The LW station on 183 was fairly good. UK-1089 was good, and Norway-1314 was in but far from its usual signal. The Spanish *RNEs* were fair to good, with 684 and 855 leading the way. North Africa was coming in on 531, 549, 711 and 891, among others, but 711 and 891 were the best. The usual LAs were coming in but nothing new for me and conditions didn't seem particularly auroral. And as I mentioned in my last report, we are leaving next week for a Danube cruise to the Black Sea. I will be interested to see how the big Romanian and Bulgarian stations are doing these days. They used to be regulars here but have been little heard for a while. We will be in Belgrade for a day also after starting out in Budapest.

Radio Enciclopedia



Pan-American DX

- 620 **ANTIGUA** *ABS* St. John's OCT 11 0800 - Good; presumed with *BBC World Service*, through the top of the hour without a local ID. [Conti-ME]
- 620 **CUBA** *R.Rebelde* OCT 11 0853 - Good; salsa music parallel 600. [Conti-ME]
- 640 **CUBA** *R.Progreso* OCT 11 0900 - Good; *R.Progreso* ID and time check, "Cinco en la mañana," into "el programa de familia Cubana." [Conti-ME]
- 650 **COLOMBIA** *RCN Antena Dos*, Bogotá OCT 11 0100 - Good; "En Antena Dos, Colombia, mucha información, mucho deportes..." then promo, "...Radio Panamericana Bolivia, RCN Antena Dos Colombia, Radio Chilena Todo Noticias Chile, Radio Quito Ecuador, Radio Programas Peru, y Radio Caracas Radio Venezuela." [Conti-ME]
- 650 **VENEZUELA** *Aragüeña 650*, Maracay OCT 11 0954 - Poor; "Seis cincuenta... señal Venezolana" with time check, rustic music. [Conti-ME]
- 670 **CUBA** *R.Rebelde*, Arroyo Arenas OCT 11 0903 - Good; romantic vocal parallel 600 and 710. [Conti-ME]
- 730 **COLOMBIA** *HJCU R.Melodía*, Bogotá OCT 4 0355-0435 - Loud and clear in null of CKAC while copying WJTO DX test. Played Spanish ballads and ran news headlines at 0430. IDed as "Melodía AM Siete Treinta" (AM 7-30). [DeLorenzo-MA]
- 810 **BAHAMAS** *ZNS3 Nassau* SEP 29 0029 - Female, listener call, ID as ZNS. [Renfrew-NY]
- 1000 **MEXICO** *XEFV Cd. Juarez*, CHIH OCT 14 1227 - News on "Meganoticias Mil" network; ads, program notes, and "La Rancherita" slogans at 1230. XEFV is part of the new *MegaRadio* network, per Chris Knight. [Wilkins-CO]
- 1000 **US VIRGIN ISLANDS** *WVWI* Charlotte Amalie OCT 11 0830 - Presumed with Joey Reynolds talk show on *WOR Network*, about one second ahead of 710 *WOR* New York parallel, no ID through the bottom of the hour, in the clear with *WMVP* nulled out. Per website www.vvwi.net WVWI carries Joey Reynolds at this time. Thanks to David Yocis for help IDing this. [Conti-ME]
- 1010 **MEXICO** *XEVK* Gomez Palacio, Durango OCT 12 0436 - Playing a cumbia and after into ranchera with call ID between songs. Over local *KXEM*, Mexican #162. [Redding-AZ]
- 1130 **VENEZUELA** *R.Ideal*, Caracas OCT 10 2343 - Good; pop/dance music, *R.Ideal* ID, through nulled *WBRR* New York and a het on the high side from 1134 Croatia. [Conti-ME]
- 1180 **MEXICO** *XEDCH Cd. Delicias*, CHIH OCT 14 0053 - Lite vocals, "Romántica 1180" slogans, *Delicias* ads. Fair signal with E-W interference nulled. [Wilkins-CO]
- 1350 **MEXICO** *XELBL* San Luis Rio Colorado, SON OCT 14 0146 - Lite/romántica vocals, "Radio Centro" slogans, sung to the tune of the old 6-note *R.Centro* theme that one used to hear often on MW, but very seldom now. An ad or two at 0200, then ID at 0201: "XELBL... 1350 AM con seis mil quinientos wats de potencia autorizada(?), oficinas y estudios en Calle Quinta..." then more music; more ads at 0228. Fair on peaks in *KGHF* null. This is my unID of Sep 13 reported previously. New here XE #198, SON #33. [Wilkins-CO]
- 1700 unID OCT 14 0114 - Spanish station here, seemed to loop SW but can't be sure due to slop from local 1690 *KDDZ*. Did not seem to be there after 0200. Did not seem to be religion (*WJCC*) - maybe XEM 2x850? [Wilkins-CO]

Transpacific DX

- 594 **JAPAN** *JOAK* Tokyo OCT 12 1335-1355 - Fair; a man continuously talking in Japanese. New station for me, but not enough detail for a report. 300 kW. [Kamp-CA]
- 1566 **SOUTH KOREA** *HLAZ FEBC* Jeju OCT 13 1235-1343 - Fair; male/female monologuers in Japanese, religious music, 1342 "F-E-B-C...kilohertz..." ID followed by piano music. Carrier cut 1343:15. New MW country for me. 250/100 kW. [Kamp-CA]

Contributors

- Mark Connelly, Billerica MA; R8A, Superphaser-2, dual-feedline Flag antenna (4.9-m x 10.4-m), sloper; and Rowley MA; R8A, Superphaser-2, active whip, 100-m wire on ground. <MarkWA1ION@aol.com>
- Bruce Conti, Camden ME; R8B, MWDX-5, wires 75-m east and 250-m south.
- Ben Dangerfield, Wallingford PA; R8A, four slopers, DXP-3A phasing unit, Kiwa loop for backup. <ben-dangerfield@verizon.net>
- Marc DeLorenzo, Marston Mills MA; JRC NRD-525, noise-reduced slopers, Mini DXP-3 phasing unit, Quantum loop. <Marc.Delorenzo@state.ma.us>
- Harold Frodge, Midland MI; Drake R8B, 85-ft/215-ft random wires, 125-ft single loop. <yukon@tm.net>
- Steve Kamp, DXing from the Best Western Vista Manor Inn, Fort Bragg CA (on the Pacific Ocean 150 miles NW of San Francisco); Grundig Satellit 800/internal ferrite rod antenna. The 4 kHz

bandwidth and 9 kHz steps fast tuning switch made TP searching fairly easy.
<steve.kamp@comcast.net>

Kevin Redding, Mesa AZ; CCRadio. <amfmdx@fastq.com>

Jim Renfrew, Byron NY; Drake R-8, "short" longwire. <renfrew14422@juno.com>

Brent Taylor, Doaktown NB; TS-680S, 74-ft backyard Pennant antenna. <btaylor@nbnet.nb.ca>

John Wilkins, Wheat Ridge CO; Drake R-8, 4-ft box loop. <peakbagger3@juno.com>

International News

CHINA: China appears to have commissioned a new high-powered mediumwave transmitter for its external services, allowing simultaneous operation on 603 and 684 kHz to SE Asia. Previously, 603 and 684 were believed to come from a single transmitter at the Dongfang site, switching channels just before 1300. Both frequencies were heard carrying occasional relays music tests in late September, with the Voice of Russia and Radio France Internationale relays temporarily moved to 1296 kHz. The following observed schedule is possibly incomplete. **603 kHz:** 1100-1200 CRI Cantonese, 1200-1300 VOR Vietnamese, 1300-1700 CRI Vietnamese. **684 kHz:** 1200-1300 CRI English, 1300-1400 RFI French, 1400-1500 CRI Cambodian, 1500-1700 CRI Vietnamese. **1296 kHz:** 1100-1500 CRI Vietnamese, 1500-1600 RFI Vietnamese, 1600-1700 RFI French. [Alan Davies, *Cumbre DX*, via Mike Barraclough, *MWC E-Mail News*]

TAIWAN: *Family Radio* on **1359 kHz** via Fangliao also carries programmes in South Asian languages at 1600-1800, giving their postal address in Andhra Pradesh, India. I think 1700-1800 might be in Hindi and 1600-1700 in another North Indian language, but I'm no expert. [Alan Davies, *Cumbre DX*, via Mike Barraclough, *MWC E-Mail News*]

73 and Good DX!

DX'er's Notebook

Shared tips, topics, and Internet info

Dave Braun dcbraun@delanet.com

863 Allabands Mill Rd.

Camden Wyoming DE 19934-2132

This discussion of sunset DX began during a discussion of when DXers could expect to hear the new Chicago area X-bander on 1690...

Neil Kazaross <neilkaz@earthlink.net>: Your time and that of your colleagues in the east for WRLI will be via sunset skip. WPTX will drop to 1 kW (if not cheating) and then WRLI is 10 kW until Chicago SS. The end of October will be superb for this. I know you totally understand this, but we have some newer members here who don't fully appreciate the mechanics of SSS DX. In two weeks as Oct starts to end, you'll never find me online at 7 PM local since SSS DX potential gets good by then. **Les Rayburn** <les@highnoonfilm.com>: Kaz, I'm interested in finding a good reference on sunset DXing. Why does it get better at the end of this month for instance?

Brian Leyton <bleyton@cpe-usalco.com>: I know I'm still kind of new at this, but let me take a stab at this one...

Basically it has to do with the sunrise & sunset times, and how they relate to the time at which various stations either switch power/pattern or go on/off. To simplify matters for station management, rather than have them track sunrise times every day, an approximate average sunrise / sunset time for the month is used.

Here's an example: From a link to the sunrise/sunset times for them on the FCC site, and a site that will give you true sunrise/sunset times by city, you can see that sunrise for October is 7:00AM, and sunset is 6:15. However, these are the approximate average times, not the real ones. These times will be close around the middle of the month, but will be off at the beginning & end of the month. For example, true sunset for October 1 would be around 6:30, but at the end of the month, will be more like 5:45 (let's ignore daylight savings time & stick with CDT times).

So the result is that at the beginning of the month, WRLI will cut power from 10Kw to 1Kw at 6:15. True sunset for October 1 is not until 6:30, so the likelihood of good skip while they're on high power are lousy. Contrast that with the end of the month, when true sunset is at 5:45. You've got 1/2 hour while they are on 10Kw, but the sun is already down. In this case, the best conditions for hearing them are probably to the east, where there is a path of darkness.

If you're in the east, then at the end of the fall months, conditions are best for you to hear sunset skip from stations to the west, as darkness extends west, and the skip rolls in before the stations cut power.

Looking at the morning, it's a similar scenario. Looking back at WRLI again, their power-up time is

7:00AM. At the beginning of the month, true sunrise is at 6:47, so they are powering up after sunrise, therefore lousy conditions. At the end of the month, sunrise isn't until 7:22, so you have a good 20 min. of darkness when they're going to be on 10Kw. In this case though, the best conditions will be to the west. As the stations to your east power up, you should have a better chance of hearing them before the skip disappears.

In the spring, everything is reversed.

Hope this makes sense...

One thing I left out of my explanations of SRS & SSS is why October in particular is a good month. This is because it is one of the months which has a large change in sunrise/sunset times. Comparing this to June for example, looking at Chicago, the sunrise time goes from 5:15 on 6/1 to 5:19 on 6/30. Big deal. Same for sunset. 8:19 to 8:30.

So the months that have a large change in the sunrise/sunset times are the ones that give you the longest period of time when the skip is in, and the power is high. Those would be the fall & spring months.

Bruce Conti <BACONTI@aol.com>: It also has something to do with the changing of the seasons, in terms of the increasing/decreasing darkness and resulting changes in the ionosphere. Of course we all know about the so-called "end of the DX season" where the long daylight hours make DXing more difficult during summer due to the ionosphere's extended exposure to the sun's energy. Mid-winter anomaly is somewhat less understood, believed to be due to the short days and minimal exposure of the ionosphere to the sun's energy, sometimes resulting in daytime skip but otherwise bringing about more consistent DX conditions. The changing seasons of spring and fall result in the largest swings in ionospheric conditions and thus the most volatile DX conditions during sunrise/sunset.

Russ Edmunds <wb2bjh@nrcdxas.org>: Another factor in October is the time change. (In April conditions aren't as good, so the change is of less benefit). You have more possible options within a given month because the time changes aren't entirely consistent with the actual sunrise and sunset changes.

Try also checking out and ordering the reprint articles on the subject in the NRC Reprints (said he, having written one of them).

Robert Foxworth <rfoxwor1@tampabay.rr.com>: Re: Sunset DX — this month, all other things being equal, the one dominant variable is the s/off time. To understand this, consider how the clock times of local sunset vary over periods of days.

First consider that the rate of change of local sunset time varies throughout the year, in fact the curve describing the rate of change of sunset (not the absolute time of any given sunset) is pretty well described by a sine wave. The rate of change is greatest in fall and spring (greatest slope) and is nearly zero in June and December. Therefore sunset skip CX in those months are nearly invariant throughout the entire month as sunset is offset from s/off time by a nonchanging offset which depends mainly on where you are (east or west) in the timezone belt.

If you live in Long Island, in most all of December the sun sets at 1624 local time every day. You don't even notice the change for a month. (That was LSS where I then lived. In Boston it's nearer 1615 as I recall)

In fall, the time of sunset changes by from 1 to 2 minutes per day. So, secondly, since the FCC mandates that local clock time signoff is constant over the entire month, the actual time that a station signs off, or changes power, is the average for the month, it follows that, in the fall, the station must s/off early, relative to actual LSS at the beginning of the month, and somewhat late relative to actual sunset at the end of the month.

I always found that the last few days of October gave the greatest variation in time offset and the best CX, otherwise. So, get ready. Stations remaining on day power into near-darkness. It's a special time of year. On the first of November sunset may occur a minute earlier but the stations s/off 15 or 30 minutes earlier. Plan to watch TV that night if you can't find anyone who forgot to adjust the time.

See if this helps you understand and use the sunset DX phenomenon to expand your totals.

A DX'er's Technical Guide

Now in its 3rd edition (published early 1998), this 155-page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a Beverage and phasing unit, and much more. Only \$10.00 for IRCA/NRC members, \$12.00 for non-members (overseas airmail 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**

Professional Sports Networks

Barry S. Finkel bsfinkel@ANL.gov
10314 S. Oakley
Chicago, IL 60643-2409
Network listings for team sports stations

Bob Galerstein reports that the New York Jets' (NFL) games are indeed broadcast on both 770 WABC-NY and 1050 WEPN-NY.

Here is National Hockey League (NHL) flagship information from Internet web sites and "Hockey News" via Ken Onyszchuk. I have listed the size of the radio network in parentheses. I will place any network lists that I have received in a future column. I need the National Basketball Association (NBA) flagship list and station lists; I have none so far.

National Hockey League 2003/2004			
Anaheim Mighty Ducks	1090	XPRS-BC	Steve Carroll
Atlanta Thrashers	790	WQXI-GA	Dan Kamal, Billy Jaffe (25)
Boston Bruins	1030	WBZ -MA	Dave Goucher, Bob Beers (3)
Buffalo Sabres	107.7	WNSA-NY	Rick Jeanneret, Jim Lorentz
Calgary Flames	960	CFAC-AB	-Pete Maher, Mike Rogers
Carolina Hurricanes	106.1	WNMX-NC	Chuck Kaiton (6)
	570	WDTF-NC	
Chicago Blackhawks	670	WSCR-IL	Pat Foley, Dave Tallon
Colorado Avalanche	950	KKFN-CO	Mike Haynes, Norm Jones
Columbus (OH) Bluejackets	1460	WBNS-OH	George Mathews, Bill Davidge
	101.1	WWCD-OH	
Dallas Stars	820	WBAP-TX	Ralph Stangis, Daryl Reaugh
Detroit Red Wings	1270	WXYZ-MI	Ken Kal, Paul Woods
Edmonton Oilers	630	CHED-AB	Rod Phillips, Morley Scott
Florida Panthers	560	WQAM-FL	Randy Moller, Jiggs McDonald
	620	WIOD-FL c	
	940	WRFX-FL c	
Los Angeles Kings	710	KSPN-CA	Nick Nickson, Daryl Evans
	1110	____-CA c	
Minnesota Wild	830	WCCO-MN	Bob Kurtz, Tom Reid (17)
	950	KCCO-MN c	
Montreal Canadiens	880	CJAD-PQ (EE)	Dino Sisto, Murray Wilson
	730	CKAC-PQ (FF)	Martin McGuire, Dany Dube, Ron Fournier
Nashville Predators	99.7	WWTN-TN	Pete Weber, Terry Crisp (5)
New Jersey Devils	770	WABC-NY	John Hennessey, Randy Velischek
New York Islanders	1050	WEPN-NY	John Wiedeman, Chris King
New York Rangers	660	WFAN-NY	Ken Albert, Brian Miller
	1130	WBRR-NY c	
Ottawa Senators	1200	CFGO-ON (EE)	Gord Wilson, Dean Brown
Philadelphia Flyers	610	WIP -PA	Tim Saunders, Brian Propp
Phoenix Coyotes	1060	KDUS-AZ	Curt Keilback, Todd Walsh (9)
	93.3	KDKB-AZ	
Pittsburgh Penguins	970	WBGW-PA	Paul Steigerwald, Phil Bourque (3)
Saint Louis Blues	550	KTRS-MO	Kelly Chase, Bernie Federko
San Jose Sharks	98.5	KUFY-CA	Dan Rusanowsky, Pete Stemkowski (9)
Tampa Bay Lightning	1250	WDAE-FL	Dave Mishken, Phil Esposito
Toronto Maple Leafs	640	CFMJ-ON	Dennis Bayak, Joe Bowman, Jim Ralph
Vancouver Canucks	980	CKNW-BC	Jim Hughson, John Shorthouse
Washington Capitals	980	WTEM-DC	Steve Kolber, Ken Sabourin

c = conflict station.

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DX'ing 'smart', with shared tips and requests by NRC members

The items contained in this column come from a recent discussion on the NRC listserv. I want to again emphasize that the contents of the answers provided below are a composite of various replies also presented on the listserv. Some are my own responses, but many are not.

Q - I saw the following on the list last night:

"Came home and counted at least 40 TAs, many with audio. Norway-1314 was one of the best but Denmark-1062 also in despite local KYW splatter. UK was in on 1089 and 909, Spain very good on 684. Ireland was fair on 567. The high end was poor at that time."

In ham radio there isn't a contact until at least call sign and signal report have been exchanged. In my SWL experience, I do not have a loggable reception unless I have enough information to submit a QSL request.

How do you count a TA if you didn't hear anything? Once I master this trick, my country count will increase substantially [:)

A - There are some here who subscribe to the above standards, others do not require a specific ID - often because those are fewer and farther between. Most of us view this as an individual hobby, and that each of us should do what we're comfortable with, although there are still some limits on that.

Not everybody QSL's and not everybody waits for an ID when they report hearing a station they have heard many times before. DX'ing is very personal and you can set up your own criteria for counting a station. However, when you report hearing it to someone else or to this list, then you should have some assurance that what you heard is the real thing.

For logging of a station never before logged, the standards would be tighter, at that point becoming whatever level of info is necessary for each individual to conclude that he/she has really heard a specific station. For some that might be language, loop bearing, comparing sign-on or sign-off times with known info; comparing program titles, items to known info; an anthem or interval signal, etc... And sometimes we just get lucky and there simply isn't another station on the frequency in all of Europe or Africa. But even so, thanks to years of experience, they can often conjecture as to what it is.

But, to explain the post you saw, Ben has been DX'ing TA's from pretty much the same location for decades. Thus what you saw was a combination of regulars, frequent visitors and other re-logs. After a time, one gets to know the channels, the stations and the usual propagation patterns, and can thus 'know' what stations are there by hearing them. The TAs to which he is referring have long since been identified. His notes provide targets for those who are newer to the AM-DX'ing dials and thus are of value.

To say he "didn't hear anything" is not quite correct. He heard over 40 "things." Hearing hets does not mean hearing audio. Some DX'ers have sophisticated-enough equipment whereby if they hear a het, they can usually dig out audio. If you hear a bunch of hets, it simply means the band is alive and ripe for picking.

He only identified those stations which were delivering audio, like Norway, Ireland, etc. The "40 TA's" are definitely TA's because of the split frequencies they were on. He "counted" that many signals. Even if you can't recover audio and positively ID a station based on its programming, it's entirely legit to say it's a "TA" and leave it at that, which is exactly what he did.

Surely he didn't mean he "logged" that many because he didn't say so. He said he "counted" 40 TA signals. Even if he didn't positively identify each and every one of them before he reported to the list, his information is still very valuable in that it confirms there is TA propagation in progress.

Q - Of course all the information is valuable. I guess I didn't make my main point. He said he counted TA's some with audio. How can you count something if you can't hear it. I am presuming that one needs audio to "hear" something?

A - Not necessarily. The analogy might be if one night WABC ran no programming, but just an open carrier. We would know that it was WABC because of limited other stations with strong signal in the Northeast. Directional bearing would also contribute.

Similarly, if we hear and measure a heterodyne on a European channel, where there are no other stations, we know that the signal emanates from a TA even if we don't know which one. Further, if there is only one possibility, then, as with WABC, we know who it is.

So it is not at all unreasonable to count TA carriers, and to do so with or without readable audio - once again remembering that these are not being claimed as new loggings, nor even necessarily as loggings at all. I think all of us, having heard a given station enough times, no longer consider it anything more and a repeating event.

I think this is just a semantics issue. When Ben said "count", I believe he meant he counted up the number of hets or audio-producing channels and the total was 40. In this case, "count" means "added up" as opposed to "entered in the logbook".

By "audio" he meant he could hear the program material. TA signals are not on 10 KHz channels like American stations are. 549, 558, 567, 576, 585, 594 KHz, etc...

The carriers of these European stations heterodyne with the carriers of the American stations on nearby channels. For example, if you're listening to WWKB-1520 and the strong Saudi station on 1521 is coming in, its carrier heterodynes with WWKB's to create a LOUD 1 KHz tone.

The TA's he counted without audio, he was counting carrier heterodynes only. They have to get a lot stronger to deliver program audio.

Q - Am I DX'ing all wrong? I usually go through the dial on the expected frequency, 1512, 1523, 1521, 1548 etc. looking for a signal. Am I supposed to go to the nearest US frequency and listen for the het? If somebody would please tell me what the correct procedure for DX'ing MW stations is, I would most appreciate it.

A - Each is a perfectly valid way to do it. The audible heterodyne against a US frequency of 2 kHz in audio frequency means that there's a carrier either + or - 2 kHz. That's sometimes the 'first warning' of TA reception, then going further one can determine which side and if there's audio. But it's equally fine to check each of the TA frequencies. For those of us who've been doing this since before there were digital-readout receivers, the audible heterodyne was a more common approach. In fact some of us still have only analog receivers. Today, with a digital receiver, it is relatively easy to check the frequencies directly.

There are lots of ways to do this — one is to tune across the band from low to high in USB mode (or from high to low in LSB mode). The BFO squeals every time a carrier approaches — and when it's on a TA frequency, one can stop and check for audio. This works using a tuned loop where it takes around 30 seconds to set up for audio on a TA channel — first tuning the antenna, then figuring out whether USB or LSB or synchronized-detector AM clears away the most splash, then turning up the regeneration control. It's not worth doing without an indication that there's a strong enough carrier to produce sufficient audio, so it would usually be unproductive me to start by tuning directly to the TA frequency.

With older tube-type analog communications receivers, a similar technique is to back off the receiver sensitivity control, engage the BFO and listen for peaks and dips in the tone the BFO creates. These signal the presence of hets as one tunes up or down the band, although one has to be careful of TVI mimicking the presence of a carrier.

Another interesting technique used by some with memory-rich radios like the AOR7030 is to load, into memory, an entry corresponding to every split frequency out there, plus or minus, say, 400 Hz. For example, there are TA splits on 549, 558, 567 and 575. To check those four frequencies for TA signals he has loaded 548.600, 557.600, 566.600 and 574.600 into four of his radio's memories, making sure he is using USB or LSB instead of AM.

That way he will hear an audio tone corresponding to the mixing product of his own radio's BFO set 400 Hz away from the anticipated TA. No beat tone = no received signal from the TA.

If you have an AM-only receiver and cannot do the Zero beat thing, you can select frequencies that are close to domestic broadcasters. As was already pointed out, 1521 is perfect for this because the mixing product is a nice, identifiable 1000 Hz. Anything more than 2 or 3 KHz. away starts to fall outside the audio range and bandwidth of some receivers, so therefore something on 1314 like Norway may not be detected this way. You would either have to notice the audio, or use the method above and create your own signal (with a BFO) to beat against.

Now, once you DO hear a tone, you still have to identify the station causing it. That is a separate issue. The existence of the hets is mainly an indication of path, and the ID'ing is done the old fashioned way. Once the het rises to the level that audio may be produced, you sit there and wait.

The Editor would like to acknowledge the following email list participants whose contributions to the online discussion are included here in addition to his own: Ben Dangerfield, Chris Black, John Callarman, Brent Taylor, Doug Smith, Pete Taylor, Chuck Hutton, David Yocis.

Please remember to keep sending me your questions or your suggestions for future topic-oriented columns to me either via the NRCDXAS listserv, by off-line email or by regular mail!

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Musings of the Members

Dave Schmidt NRCMusings@aol.com
 P. O. Box 3111
 Scranton, PA 18505-0111

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

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.

Here is the NRC column which is almost as exciting as gum! When sending in your contributions, we would appreciate them radio related, or letting us know of your DX doings. Deadlines are Fridays throughout the DX season! Email Musings are very much welcome but please make sure your name/address is included. You might find a can of Moxie on your doorstep if you don't include it! And don't forget our "Theme Musings" for the month of November! And here we go:

Jim Renfrew - 6988 Bank Street Road - Byron NY 14422-9702

Since retiring from the duties of IDXD editor a year ago, I haven't had as many chances to spread my wisdom (or anything else) in the pages of DXN. My MW DX'ing is largely defined by the whims of L-Brook Farms which leases the fields around my home. Not much happens until the field is picked, so I am fortunate that the corn was harvested a lot earlier this fall than past years. It helps that the landowner and the farm manager are members of my church. In fact, the land owner has offered to cut the remaining corn "stumps" along a path oriented with the beverage bearing. It's nice when the whole neighborhood is affected by that DX fever! Hopefully, in the next several days I'll find the time to unroll my two beverage antennae. Maybe it will be a good year for TA's, since I logged a new one (France 1206) yesterday with only the short longwire in the backyard. No need to shed a tear regarding my antenna down-time. It turns out that the summer months have been a banner year for FM e-skip and tropo, more than 200 new ones were logged! I've also added a twenty foot antenna tower with FM and UHF antennae and a rotor, which dramatically improves my prospects on those bands. It was very enjoyable to participate in the planning team for the World TV FM DX Association 2003 Convention this past August. The location of the convention was just 6 miles down the road from my house. I had the chance to meet a number of folks whose names also appear in DXN. Scott Fybush treated the WTFDA experience as a dry run for the 2004 NRC Convention which will happen in the very same facility. In the thirty plus years that I have been a member of NRC I have never attended a convention, so someone must have figured out that bringing the convention to my neighborhood might serve to get me there! In any event, I hope to have some antennae set up in the field for convention-goers to enjoy. Although the field will not have been harvested, we can at least roll out the wire for temporary purposes ... with the caveat that manure spreading may cause some adjustment in our plans! (Good to hear from you Jim! Please check in often(er)! -DWS)

Ray Arruda - KB1EVX - 47 Burt Street - Acushnet, MA 02743-1939

Time for a long over due musing with several observations and comments. Our very informal Thanksgiving GTG will be held here on Saturday November 22, 2003 at Noon in "The Lower Deck" at 47 Burt Street. I would also like to publicly thank JERRY STARR for the many hours of dedication and service putting AM Switch together for the last 18 years and wish BILL HALE good luck with continuing the column. A hearty welcome goes out to a new local member, KENNETH LENT of North Dartmouth! On October 17 we had a very nice visit from BOB & PATTI STONIER and pup who stopped by in the afternoon on their way back to NJ from a trip to Cape Cod. No MW DX to speak of but still listen whenever possible on the BCB and note any new stations in the log book. In other news, Arlene became a ham on August 7 passing the Tech Class Exam and was assigned the call letters KBIKGG by The FCC. In closing, I was shocked and saddened to hear from AL MERRIMAN via e mail and SHELLYON HARVEY that good friend and longtime NRC member ANDY RUGG, VA3TEE had suddenly passed away. He was very active in ham radio and for several decades contributed regularly to the columns in DXN. He made several appearances at our Thanksgiving GTGs, and while living in Montreal, we attended hockey games and even a couple of New Years Eve Parties at The Queen Elizabeth in the late 70s and early 80s. The world has lost a true friend, taken from us much too soon, and he will be missed by all.

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

I was pretty shocked to learn of ANDY RUGG; he was looking forward to a good DX season from his last report a couple issues back. He'll be missed. Remember folks, we're weekly here now, your support of MUSINGS would be appreciated, so if you haven't reported in the last 10 years, it'd be nice to hear from you!

DAVE