

0300-0400 KQMS CA 1400 **Dec. 16** WCXH-780 ... will test on Monday morning (late Sunday night), Oct. 29, from 4 – 5 a.m. ELT (0800 - 0900 UTC) at 5,000 watts using a nondirectional antenna pattern. Programming will consist of special voice announcements, march and other special music, Morse code and sweep tones. Reception reports may be sent to Mr. Allan H. Weiner, WCXH Radio, 274 Britton Rd., Monticello, ME 04760-3110. No eQSL service is being offered for this test. Recordings on disk in .mp3 or .wav format will be accepted as proof of reception. NOTE: All requests for verifications must be accompanied by return postage in order to receive a reply. Our sincere thanks to the legendary Allan Weiner for agreeing to conduct this test. -Jim Pogue – KH2AR@comcast.net, IRCA/NRC Joint **BTC** Coordinator

WIGG

(KCKN

MS

NM

1420

1020

Nov. 4

TBA)

0500-0530

From the Publisher ... NRC member Richard Wood, Hawaii, passed away September 27 from an apparent heart attack at the age of 67, according to Patrick Martin, who received the information from Ginny Boehke. John Callarman described Richard best on the NRC listserv: "Richard Wood was probably best known as a linguist who shared his knowledge of how to identify languages with DX'ers. His original home was Newcastle-on-Tyne, England, but as a traveling university professor of languages, he taught above the Arctic Circle in Norway, in the Royal Kingdom of Saudi Arabia, and, I think, several other overseas locations, at the University of Indiana, at a state university in New Hampshire, at a small private university on Long Island, and at Southeast Missouri State University, in Cape Girardeau, Mo., to name a few as he traveled the world, locating for a year or two at the sites he chose.

"He was intensely active on shortwave, AM, FM, and TV DX, and attended many radio club conventions in the '60s, '70s and '80s ... Richard more info contact John at 2824 Missouri - Joplin, MO 6484, home phone 417-524-8058, cell 417-438-4749, or <<w0jrp@earthlink.net>>.

Unfilled positions ... We're still in need of volunteers for the following positions, as described in detail in V73, #27, the June '06 DXN: A person proficient with phpBB to maintain the e-DXN site; one or more additional moderators for e-DXN; one or more persons to edit future NRC publications; a "DX Targets" editor; a technical column editor; several editors to take over languished columns; finally, a DXN publisher, by June 2008.

DXN Publishing Schedule, Volume 75					
3.	Oct. 5	Oct. 15	17.	Jan. 18	Jan. 28
4.	Oct. 12	Oct. 22	18.	Jan. 25	Feb. 4
5.	Oct. 19	Oct. 29	19.	Feb. 1	Feb. 11
6.	Oct. 26	Nov. 5	20.	Feb. 8	Feb. 18
7.	Nov. 2	Nov 12	21.	Feb. 15	Feb. 25
8.	Nov. 9	Nov. 19	22.	Feb. 22	Mar. 3
9.	Nov. 16	Nov. 26	23.	Feb. 29	Mar. 10
10.	Nov. 23	Dec. 3	24.	Mar. 7	Mar. 17
11.	Nov. 30	Dec. 10	25.	Mar. 21	Mar. 31
12.	Dec. 7	Dec. 17	26.	Apr. 4	Apr. 14
13.	Dec. 14	Dec. 24	27.	May 2	May 12
14.	Dec. 28	Jan. 7	28.	June 6	June 16
15.	Jan. 4	Jan. 14	29.	July 11	July 21
16.	Jan. 11	Jan. 21	30.	Aug. 8	Aug. 18

DX Time Machine From the Pages of DX News

50 years ago ... from the October 5, 1957 DXN: A number of members commented on the fine NRC Convention they enjoyed at Ponca City, OK, over the Labor Day weekend, hosted by Hank Ward, Ken Borden, and Joe Knack, with 46 in attendance. Raleigh Biss, Palm Springs, CA, called it "... a wonderful experience!"

25 years ago ... from the October 18, 1982 DXN: Ernest J. Wesolowski, Omaha, reported hearing a Cuban jammer "killing" WGN-720 during the convention in Louisville.

10 years ago: ... from the October 13, 1997 DXN: IDXD editor Jim Renfrew welcomed new reporter Randy Stewart, Springfield, MO, who reported hearing R. Católica de Nicaragua on 720.19 kHz, 9-29.

Bill Hale w_r_hale@sbcglobal.net 6124 Roaring Springs Drive North Richland Hills, TX 76180-5552

CRTC

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

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			CALL LETTER CHANGES
	<u>Old Call</u>		New Call
1250	WKBR	NH	Manchester WGAM
1490	NEW		Jackson KJNT
1170	1,2,1,		[CP is for U1 420/1000]
			ACTIONS ACTIONS
640	KFI	CA	Los Angeles - CP granted to build a new 675' tower to replace the one
010		CIL	toppled by a light aircraft almost three years ago. The new tower will fea-
			ture a hexagonal "top hat" fifty feet in diameter to compensate for the 'lost'
			75 feet difference in comparison to the original tower. Facilities will remain
			U1 50000/50000. Only a month ago they were granted an extension of their
			Special Temporary Authority (STA) to operate U1 25000/25000 from their
			auxiliary tower.
1100	WISS	WI	Berlin - STA granted for D1 500/0 until they can fully repair their transmit-
1100	1100		ter or an ordered replacement arrives. They were struck by lightning and it
			caused significant damage to their facility.
1560	KGOW	ТХ	Bellaire - CP granted for U5 50000/100 . The 100 Watt night license is for an
			auxiliary backup facility. It's not known if they plan to use the 100 Watter
			temporarily while the 19 kW facility is being built. Anybody in the Houston
			area care to comment? The station has a CP for U4 50000/1000 as well as an
			application for U4 50000/19000.
			APPLICATIONS
690	WIST		New Orleans - Applies for U4 10000/2000 (reducing night power).
1550	WMRO	TN	Gallatin - Applies to reduce daytime power to become U1 250/3.
1400		CA	AMENDMENTS TO APPLICATIONS
1490	NEW	CA	Susanville - Initial application was for U1 1000/1000. This amendment requests U1 1000/970.
1550	NEW	тγ	Midland - Initial application was for U4 10000/250, then amended to read
1550		IA	U2 $1750/300$. This request is for U2 $1750/250$.
			62 17007000. This request is for 62 17007200.
			APPLICATIONS FOR RECONSIDERATION
900	NEW	OR	Bend - New station, not yet on the air, had a CP for U4 50000/2000 . They
			amended the application to U4 50000/2700, but the entire process was
			dismissed due to non-action on the part of the applicant. Now they have
			requested that the application be reinstated with $U4 = 50000/2400$.
	_	_	APPLICATIONS FOR NEW STATIONS
600	NEW		Redding - Applies for U4 800/1000.
960	NEW		Junction City - Applies for U4 50000/3500.
1200	NEW		Bon Air - Applies for U4 50000/20000.
1400	NEW		Santee - Applies for U1 500/500.
1400	NEW		Middletown - Applies for U1 1000/1000.
1450 1460			Waterville - Applies for U1 1000/500.
1460 1400	NEW		Stanfield - Applies for U4 2000/2000.
1490 1490	NEW		Kirk - Applies for U1 250/250.
1490	NEW	INIVI	Vanderwagen - Applies for U1 250/250.
			LICENSE RENEWALS GRANTED
720	KOTZ	AK	Kotzebue
1160	WEWC		Callahan
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Federal Communications Commission

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1260 WNWK

OTHER STUFF

NWK DE Newark - Having an STA on file granting them to be silent, Dave Schmidt reports they are now testing with 500 Watts days and 40 Watts nights. The STA justification states they lost their studio site and are seeking a new one, which Dave reports, will be in Wilmington. They are licensed for U4 1000/42.

HEAR AND THAR

□ FINES: \$7,000 for **KQAB-1140 Lake Isabella, California** for failure to file their renewal application in a timely manner and unauthorized subsequent operation.

Reported OFF: KSQP-1450 Pierre, South Dakota and WVSG-1480 Neon, Kentucky.
Thanks to Shawn Axelrod, Wayne Heinen, and the above mentioned Dave Schmidt.

Domestic DX Digest

West: Bill Dvorak westlogs@aol.com 3358 Ridgeway Ave. - Madison, WI 53704-4327 (Division line is between East

and Central time East: Mike Brooker aum108@idirect.com zones) 99 Wychcrest Ave - Toronto, Ontario M6G 3X8 CANADA

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

DDXD-West

FROM THE VAST WESTLAND

- ▲ I was very saddened by the tragic news that Richard E. Wood passed away on 9/27, the victim of a heart attack. He was 67 years old. Besides being a world-renowned DXer, Richard was a well known linguist. Many of us will remember his language identification series on Radio Canada International's "Shortwave Listener's Digest." He was also a friend of and regular contributor to this column, and it was through this column that I got to know him. I will remember him as a very astute and articulate man and knowledgeable DXer. RIP, Richard. We will miss you.
- We love to report it in this column when a DX milestone is reached. We are very pleased to have received this recent news from Shawn Axelrod: "Two more new ones for this report for a total of nine this month. That allowed me to pass the 2500 heard mark on BCB. Never thought I would ever hear that many!" Hearty congratulations, Shawn, and may the new ones keep coming and coming and coming...!
- While we are handing out kudos, let me pass along my congratulations to new joint NRC/IRCA Broadcast Test Coordinator Jim Pogue and the team that is helping him. So far Jim has scheduled five new DX tests, with two more pending. There are some great opportunities for Vast Westlanders in this bunch of tests! And a reminder for those who have internet access: up-to-date word on these tests can always be found at the DX Tests.Info website, http://www.dxtests.info.
- According to Barry McLarnon's latest tabulation ("AM IBOC Stations on the Air," http://topazdesigns.com/iboc/station-list.html, updated 9/27), of the roughly 4750 AM stations in the US only 227 are running IBOC. It is not known for sure just how many of these are running it at night, but the number is far short of 227. Although the big-power clears are busy buzzing each other, not many of the regionals and locals have adapted to the new technology, and for many reasons it could be a very long time (if ever) before they do. DX opportunities still abound in autumn 2007. I invite you to keep listening, and to keep sending in your loggings. 73 Bill

Reporters

- GH-IL Greg Harris, Park Forest. Icom R75 / Quantum Loop.
- **GH-OK Glenn Hauser, Enid.** "Mystery signal" news (see "TIS, HAR, etc.")
- **GT-FL Gerry Thomas, Pensacola.** Station news.
- JW-CO John Wilkins, Wheat Ridge. Drake R-8, 4-foot box loop.
- NK-IL Neil Kazaross, Barrington. Drake R8A, phased BOG System 290 ft / / 160 ft at about 355 degrees.
- **SA-MB** Shawn Axelrod, Winnipeg. ICOM IC-R70, Drake R8, 4 foot unamplified box loop, Quantum loop, 155 foot outdoor wire, 100 foot indoor wire, MFJ 1026 phasing unit.
- SP-WI Sheryl Paszkiewicz, Manitowoc. Sony 2010 with Select-a-Tenna.
- Ed.-WI Your editor, Madison.

DDXD-

DDXD-W

			Station News
1280	KVXR	MN	Moorhead. 9/19 2059. Fair signals in CFRW null with local ads and Fox sports. They are // 740 KVOX but will soon go to Relevant Radio. NEW (SA-MB) (I too have seen reports that the station will carry Relevant Radio's Catholic talk programming. According to an Upper Midwest Broadcasting [http:// www.northpine.com/broadcast] item dated 9/17, "[station owner] James Ingstad donated the station to Voice of Reason Radio, a Catholic group, to
1290	WPCF	FL	stay under market ownership caps following the purchase of 740." EdWI) Panama City Beach. 9/26. Just gave a listen to WPCF and they have changed formats (not sure when it happened) to C&W, ex-ESPN sports. ToH ID: "Real Country, 12-90 WPCF Panama City. WPCF is real country." (GT-FL)
			Regular DX Loggings (times in ELT)
600	KSJB	ND	Jamestown. 9/26 0758. Ag news from the Red River Farm Network; legal ID at 0759:52: "This is Classic Country KSJB Jamestown broadcasting live from our studios at the Buffalo Mall" and into ABC news at 0800. Good signal, mixing with KCOL. (JW-CO)
640	WCRV	TN	Collierville. 9/26 0752. Last few minutes of "Thru the Bible," which ended at 0756, followed by call letter ID; ruined at 0757 when local KHOW 630 turned on their IBOC; had been fair under KFI up to that point. (JW-CO)
870	IL	WINU	Shelbyville. 9/25 2025. Christian music, both country and contemporary, ad, calls. NEW (SP-WI)
940	CJGX	SK	Yorktown. 9/24 0747. C&W music; dual time check at 0747 ("5:47 in Saskatchewan, 6:47 in Manitoba"), then brief weather and back to music at 0748; "GX 94" ID's. Fair on peaks. (JW-CO)
1000	WMVP	IL	Chicago. 9/24 0735. Bears football promo; "ESPN 1000" non-ID's, then more chat with Chicago references. Briefly fair in QRM. (JW-CO)
1350	WCMP	MN	Pine City. 9/21 2206. Fair to good at peaks. Ending HSFB game with ID and local ads, back to a wrap up, then more ads, a mention of FM, then gone when cut power at 2215 (leaving KRNT over KDIO). A new one, thanks to running
1400	WDWS	IL	day power for high school football. (NK-IL) Champaign. 9/22 1825. Station ID by a male announcer "…mornings on 1400 'DWS" and Fox Sports Radio slogan ID. Weak, much QRM from WSJM and others. (GH-IL)
1450	WMIQ	MI	Iron Mountain. 9/21 2219. Poor to fair, generally under WDLB's Marshfield HSFB coverage and some other bits of QRM, with southerly stations phase nulled. Was ending HSFB and gave a couple of Iron Mountain spots. More
1470	KIID	CA	spots heard at 2226. New ! (NK-IL) Sacramento. 9/20 0832. Disney programming; occasional ID as "Radio Dis- ney Sacramento," with occasional local break-ins for ads or program notes; legal ID by urchin at 0859:35: "AM 1470 KIID Sacramento," then back to RD
1600	KPNP	MN	programming. Fair on peaks with fading and QRM. (JW-CO) Watertown. 9/24 2250. Good signals with talk and singing in Hmong (Laotian). Now using these calls. NEW (SA-MB) (Bill Hale reported the call change in last week's AMS. EdWI)
			TIS, HAR, Etc.
1180	WPUR93	7 WI	Kenosha. 9/18 1623. Fair and decent copy with Kenosha info, but I really needed to phase out WSQR to hear this. This one was easier prior to WSQR moving onto channel. No trace of needed Miller Park TIS underneath. (NK-
1181	UNID		IL) 9/25 2228. Not sure when 'press time' was for your Oct 1 DDXD-W, but although I have not checked it every single night lately, I don't think (the mystery signal on see DDXD-W #75-1 EdWI) 1181 is gone. In fact I know it isn't, because I just checked at 0228 UT Sept 26 (2228 ELT Sept 25) and it's there as usual though pretty weak. (GH-OK) (Thanks for the update, Glenn. A note to all Vast Westland reporters: I welcome your reports on this signal, and will continue posting your loggings of it in this section of DDXD-W. Ed WI)
1610	WPZK57	7 WI	Kenosha. 9/18 1626. Poor to fair well atop Milwaukee's computerized travel time gal with a short loop by a male announcer concerning area traffic, and

1610 ????

an ID. Setting phasing to null southerly stations kills any trace of Chicago area TISes on 1610. New. **(NK-IL)**

WI Milwaukee. 9/18 1628. (Calls could be WPTJ444 or WPZK577) Very poor under Kenosha but good enough to tell it is Milwaukee's computerized travel time gal. I believe I am getting the station (unlisted by FCC but Wisconsin DOT may have moved a transmitter) that I hear strong in the car as you approached Milwaukee from the south. Tim Noonan thinks the transmitter is near Layton Avenue. Part of a weird situation with Milwaukee having two call sets listed for several TISes on 1610 (I'm sure not every listed transmitter is on, as signal is weaker in downtown than it is north or south of the city), and one set is the same calls as the Kenosha TIS which has different programming. New. (NK-IL)

InternationalBruce Conti nrcidxd@aol.comDX Digest46 Ridgefield DriveForeign DX Catches. All times are UTC

As I was compiling this, the K-index was in the red zone due to a non-recurrent geomagnetic disturbance, temporarily knocking out the outstanding transoceanic DX conditions but without enough of a punch to bring on Latin America due to the lack of sunspots. However Mark Connelly finished compiling his logs from SDR-IQ captures, all listed below, adding to the awesome late-summer logs reported by DXers here last week. Congratulations to the Masset DXpedition team with early reports of 684 Andaman Islands and 1566 India reception. The Masset site is already being described as the northwest Pacific coast counterpart to Newfoundland.

Transatlantic DX

- 531 **SPAIN** *RNE5* synchros SEP 7 0006 Parallel 684 with soft piano music, then man in Spanish; to fair peak. [Connelly*rw-MA] SEP 20 0008 - Parallel 684 with two men talking; over others. [Connelly*R-MA]
- 531 unID SEP 20 0011 '40s style lounge-jazz female English vocal; over Spain. Not parallel to 549 Algeria or 666 Portugal. Possibly Faroes. [Connelly*R-MA]
- 549 **ALGERIA** *Chaîne 1*, Les Trembles (35°17′N 00°34′W) SEP 7 0010 Arabic instrumental music: flutes, strings, drums. [Connelly*rw-MA] SEP 16 0428 - Female Arabic vocal and strings; light audio on big carrier. [Connelly*B-MA] SEP 20 0010 - Two men in Arabic; about equal to Germany. [Connelly*R-MA]
- 549 **GERMANY** *Deutschlandfunk* synchros SEP 20 0010 Modern classical music; over/under Algeria. [Connelly*R-MA]
- 558 **SPAIN** *RNE5* synchros SEP 7 0010 Parallel 684 with discussion; fair. [Connelly*rw-MA] SEP 20 0009 - Spanish man; through WGAN slop. [Connelly*R-MA] SEP 27 2313 - Good; talk parallel 585 kHz, loud synchro echo. [Conti-NH]
- 567 IRELAND RTÉ 1, Tullamore (53°17′N 07°22′W) SEP 7 0011 Mellow female folk vocal, then announcer mentioned the names of the titles and artists of the last few songs with extended comments about a singer from County Clare; good, over Spain. [Connelly*rw-MA] SEP 20 0010 Classical piano music, English announcer; fair to good. [Connelly*R-MA] SEP 23 2352 Song "Georgia On My Mind," then woman mentioned listener in Mullingar; good. SEP 24 0047 Julio Iglesias & Willie Nelson song "To All the Girls I've Ever Loved Before"; good. [Connelly*B-MA]
- 567 **SPAIN** *RNE5* synchros SEP 20 0013 Parallel 684 with two men in Spanish; under Ireland. [Connelly*R-MA]
- 576 **CANARY ISLANDS** // **SPAIN** *RNE5* synchros SEP 7 0006 Piano parallel 684; fair. [Connelly*rw-MA] SEP 20 0013 - Conversation parallel 684; fair to good. [Connelly*R-MA]
- 576 **GERMANY** *SWR Cont.R. / MDR Info*, Muhlacker SEP 7 0006 Man in German; briefly over Canaries-Spain. [Connelly*rw-MA]
- 585 **SPAIN** *RNE1* Madrid (40°28'N 03°52'W) SEP 7 0006 Parallel 684 with piano music, then man in Spanish; good. [Connelly*rw-MA] SEP 20 0012 Parallel 684 with announcer to man on phone "Antonio, buenas noches", then interview; loud. [Connelly*R-MA] SEP 27 2311 Excellent; woman and man parallel 738 and 747 kHz. [Conti-NH]

- 594 **PORTUGAL** *R.Renascença*, Muge (39°05′N 08°41′W) SEP 20 0011 Portuguese talk by man; poor. [Connelly*R-MA]
- 603 **FRANCE** *France Info*, Lyon-Tramoyes (45°53'N 04°57'E) SEP 7 0006 Man in French, bumper music inserts between talking; good, way over Spain. [Connelly*rw-MA] SEP 20 0012 - Soft music, then man and woman in French with inserted bits of music; atop Spain. [Connelly*R-MA]
- 603 **SPAIN** *RNE5* synchros SEP 20 0114 Parallel 855 with woman in Spanish; fair, over France. [Connelly*R-MA]
- 612 **MOROCCO** *RTM A*, Sebaa-Aioun (33°54′N 05°23′W) SEP 7 0012 Compressed "boxy" audio on Arabic male vocal with orchestra; loud. [Connelly*rw-MA] SEP 20 0008 Vocal music with orchestra, man and woman in Arabic, then more music; good. [Connelly*R-MA]
- 621 **CANARY ISLANDS** // **SPAIN** *RNE1* synchros, Santa Cruz de Tenerife et al. SEP 7 0011 - Parallel 585 with man in Spanish; fair. [Connelly*rw-MA] SEP 20 0013 - Parallel 585 with teletalk; seemingly weaker than usual. [Connelly*R-MA]
- 630 **TUNISIA** *ERTT* Tunis SEP 7 0009 Arabic female vocal; slightly under WPRO and over CHLT. [Connelly*rw-MA]
- 639 **SPAIN** *RNE1* La Coruña et al. SEP 7 0006 Parallel 585 with light piano music, then Spanish talk; to good peak. [Connelly*rw-MA] SEP 16 0421 - Talk by man and woman; fair past CBN. [Connelly*B-MA] SEP 20 0013 - Teletalk parallel 585; good. [Connelly*R-MA]
- 648 SPAIN RNE1 Badajoz (38°53'N 06°58'W) SEP 20 0013 Teletalk parallel 585; poor. [Connelly*R-MA]
- 657 **SPAIN** *RNE5* Madrid (40°28'N 03°52'W) SEP 7 0001 News by man and woman; fair. [Connelly*rw-MA] SEP 20 0012 - Parallel 684 with phone interviewer "Antonio, buenas noches..."; loud. [Connelly*R-MA]
- 666 **PORTUGAL** *RDP Antena* 1 synchros SEP 6 2358 Parallel 720 with "Silver Spring" by Fleetwood Mac; fair. [Connelly*rw-MA] SEP 20 0008 - Parallel 720 with man in Portuguese, a bit of dreamy instrumental music, then a female version of "Misty" (the Johnny Mathis song); good. [Connelly*R-MA] SEP 27 2243 - Good, over unID; usual adult contemporary music mix. The unID was either Syria or more likely Algeria. [Conti-NH]
- 675 **LIBYA** *Libyan Jamahiriya*, Benghazi (32°54'N 20°04'E) SEP 19 2343 Arabic phone interview; to good peak. SEP 20 0011 Reverberated Arabic talk by woman; to good peak, no sign of Netherlands. [Connelly*R-MA]
- 675 **NETHERLANDS** *Arrow Rock*, Lopik (52°01′N 05°03′E) SEP 6 2359 "Under the Bridge" by Red Hot Chili Peppers; to fair peak with WRKO phased. SEP 7 0010 - Doobie Bros. "Long Train Running"; fair. [Connelly*rw-MA]
- 684 **SPAIN** *RNE1* Sevilla (37°12′N 05°55′W) SEP 7 0000 Pips, Spanish news. 0006 parallel 531 with piano music, then man in Spanish; loud. [Connelly*rw-MA] SEP 20 0012 Interview; loud. [Connelly*R-MA]
- 693 **SPAIN** *RNE1* synchros SEP 20 0001 Parallel 684 with Spanish news by woman; breaking over UK and presumed Azores. [Connelly*R-MA]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. SEP 6 2357 US-accented man in interview; fair. SEP 7 0007 - Mention of Americans. [Connelly*rw-MA] SEP 20 0000 - News, Five Live mention; over jumble of others. [Connelly*R-MA]
- 702 unID SEP 20 0003:25 Fanfare music that reminds of something heard on one of the Saudis. No parallels noted in this SDR-IQ capture segment. 0135 Arabic talk mentioning Oman; no parallels noted. [Connelly*R-MA]
- 711 **FRANCE** *France Info*, Rennes (47°51′N 01°30′W) SEP 20 0131 Parallel 1206 with woman in French talking about politics, business, education; excellent. [Connelly*R-MA]
- 711.05 **WESTERN SAHARA** *RTM* Addakhla (23°42′N 15°56′W) SEP 6 2357 Arabic vocal and strings; good, over growl from 711.00 France. [Connelly*rw-MA]
- 720 **CANARY ISLANDS** *RNE5* Finca España SEP 7 0006 Parallel 684 with piano music; briefly over Portugal. [Connelly*rw-MA]
- 720 **PORTUGAL** *RDP Antena 1* synchros, SEP 6 2358 Parallel 666 with "Silver Spring" by Fleetwood Mac; to fair peak. SEP 7 0011 Parallel 666 with blues music; now atop Canaries. [Connelly*rw-MA] SEP 20 0011 Parallel 666 with female version of Johnny Mathis hit "Misty"; fair. [Connelly*R-MA]
- 729 **SPAIN** *RNE1* synchros SEP 7 0000 Parallel 738 with news by woman in Spanish; through CKAC slop. [Connelly*rw-MA] SEP 20 0130 Talk parallel 774; through slop. [Connelly*R-MA]
- 738 **SPAIN** *RNE1* Barcelona (41°23′N 02°12′E) SEP 7 0000 Parallel 729 with news; fair. [Connelly*rw-MA] SEP 20 0000 - Six pips (last one longer than others), Radio Nacional de

España ID, news; fair through CHCM slop. 0128 parallel 855 with music fragment, then teletalk; through CHCM slop. [Connelly*R-MA] SEP 27 2305 - Excellent; end of news anchored by a woman with Radio Uno and Radio Nacional de España mentions. [Conti-NH]

- 747 CANARY ISLANDS / / SPAIN *RNE5* synchros SEP 7 0001 Spanish news parallel 738 starting to gain on Netherlands. [Connelly*rw-MA] SEP 16 0420 - Spanish talk; fair. [Connelly*B-MA] SEP 20 0001 - Very fast paced Spanish talk by woman, not parallel to 684 at the time. [Connelly*R-MA] SEP 27 2310 - Good; woman and man parallel 585 and 738 kHz. [Conti-NH]
- 747 **NETHERLANDS** *Radio 5,* Flevoland (52°23'N 05°25'E) SEP 6 2358 Woman in Dutch, then lush instrumental music; dominant. [Connelly*rw-MA] SEP 20 0002 Dutch news by man; to good peak. 0127 avant-garde/modern symphonic music; about even with Canaries-Spain. [Connelly*R-MA]
- 747 unID SEP 20 0001 Middle East music mixing with Netherlands and Canaries-Spain. [Connelly*R-MA]
- 756 **GERMANY** *Deutschlandfunk,* Braunschweig & Ravensburg SEP 7 0000 News by man in German; mixing with Spain. 0017 symphonic electronic music (style of Stockhausen); loud / dominant. [Connelly*rw-MA] SEP 20 0000 - German news by woman; over Spain. 0126 classical piano; over Spain. [Connelly*R-MA]
- 756 **SPAIN** *R.Euskadi*, Bilbao SEP 7 0000 News by woman in Spanish; about even strength with Germany. 0022 fast Spanish talk; briefly over Germany. [Connelly*rw-MA]
- 765 **SWITZERLAND** *RSR Option Musique,* Sottens (46°39'N 06°44'E) SEP 7 0001 French news mentioning Etats Unis; good. 0016 "Xanadu" by Olivia Newton John, then woman in French; very good. [Connelly*rw-MA] SEP 20 0125 - Romantic French female vocal; excellent, well over Arabic chant station. [Connelly*r-MA] SEP 21 2330 - Excellent; Big Mountain "Baby I Love Your Way." [Conti-NH]
- ⁷⁶⁵ unID SEP 6 2358 reverberated male Koranic a cappella vocal; briefly blasting over Switzerland. Channel has Saudi Arabia, Iran, Sudan, and Turkey listed but not all are scheduled to be on air at the time. [Connelly*rw-MA]
- **EGYPT** *Middle East Radio*, Abis (30°45′N 30°57′E) SEP 20 0000 Four bells (middle two at a lower pitch than the first and last), then Arabic talk, brief fanfare music, more talk; over Spain. [Connelly*R-MA]
- **SPAIN** *RNE1* synchros SEP 6 2358 Parallel 684 with slow Spanish talk by man and interspersed bits of music. [Connelly*rw-MA] SEP 20 0001 - Parallel 684 with Spanish news by woman; now taking over dominance from Egypt. [Connelly*R-MA] SEP 27 2240 - Excellent; discussion between a man and woman in Spanish parallel 855 kHz. [Conti-NH]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott (18°07'N 15°57'W) SEP 7 0001 Man in Arabic with news items separated by short musical bursts/"stingers" as on some '50s-era US stations; good. [Connelly*rw-MA]
- 783 **SPAIN** *Rock y Gol Radio Miramar,* Barcelona SEP 20 0000 News by man and woman in Spanish; to fair peak, dominant. [Connelly*R-MA]
- 783 **SYRIA** *R.Syria* 1, Tartus (34°55′N 35°52′E) SEP 20 0124 Religious Arabic vocal in a large echoey hall seemed parallel 828 (but that was getting hammered by WCRN, so tough to tell); weaker than Mauritania had been earlier. [Connelly*R-MA]
- **FRANCE** *France Info*, Limoges (45°56′N 01°10′E) SEP 7 0000 Music fanfare, ID and time "France Info, deux heures," then man read news; to good peak. [Connelly*rw-MA] SEP 20 0000 - France Info top-of-hour musical flourish, then news by woman; fair. 0122 parallel 1206 with woman in French; good. [Connelly*R-MA]
- 792 unID SEP 7 0019 Female Arabic vocal clobbering usual France and Spain. Yemen listed with big power, but schedule doesn't fit. There are also lower-powered stations in Libya and Saudi Arabia. [Connelly*rw-MA]
- 801 **SPAIN** *RNE1* synchros SEP 20 0000 Pips, Spanish news; mixed with others. 0122 parallel 774 with ballad; poor to fair. [Connelly*R-MA]
- 819 **EGYPT** *ERTU* Batra (31°09'N 31°27'E) SEP 20 0006 Arabic talk by man and woman; to good peak over Morocco growl. [Connelly*R-MA] SEP 27 2338 Good, over growl; woman in Arabic parallel a weak 12050 kHz. [Conti-NH]
- 818.94 **MOROCCO** *RTM* Rabat SEP 20 0003 Bits of talk but mostly just a big 60 Hz growl against stronger Egypt. [Connelly*R-MA]
- 828 unID SEP 70017 Male Arabic vocal seemed parallel 818.94 so possibly Morocco. [Connelly*rw-MA]
- 837 **CANARY ISLANDS** // **SPAIN** *COPE* synchros SEP 7 0017 Spanish talk; under France. [Connelly*rw-MA] SEP 16 0418 - Man in Spanish; good/dominant. [Connelly*B-MA] SEP

- 20 0000 Pips, echoey Spanish news; to fair peak. [Connelly*R-MA]
- 837 **FRANCE** *France Info*, Nancy (48°53'N 06°14'E) SEP 7 0017 Man in French; good, over Canaries-Spain. [Connelly*rw-MA]
- 855 **ROMANIA** *România Actualităti,* Bucuresti (44°28′N 26°06′E) SEP 20 0005 Likely this with dance music similar to program on 1593 a bit earlier; mixing with Spain. [Connelly*R-MA]
- 855 **SPAIN** *RNE1* synchros SEP 6 2352 Parallel 936 with Spanish talk; fair. SEP 7 0018 Teletalk with severe echo; loud! [Connelly*rw-MA] SEP 20 0114 Parallel 603 with talk; over probable Romania and WEEI slop. [Connelly*R-MA]
- 864 **EGYPT** *ERTU* Santaĥ (30°45′N 31°08′E) SEP 7 0019 Koranic vocal; burying France. [Connelly*rw-MA] SEP 20 0005 - Arabic vocal; atop France. [Connelly*R-MA]
- **FRANCE** *France Bleu*, Villebon-sur-Yvette (48°41′N 02°14′E) SEP 6 2352 Mellow pop French male vocal; good. SEP 7 0023 - James Brown song; good (and certainly a weird juxtaposition with similar-strength Egypt's Koranic chanting). [Connelly*rw-MA] SEP 20 0000 - Talk by woman, *France Bleu* jingle, mellow vocal; good. 0129 '80s style French pop-rock. [Connelly*R-MA]
- 873 **SPAIN** *SER* synchros SEP 6 2351 Echoey teletalk. [Connelly*rw-MA] SEP 20 0019 Parallel 1026 with piano music, then teletalk; fair. [Connelly*R-MA]
- 873 unID SEP 7 0018 Arabic vocal; over Spain. EMWG list shows Algeria, Saudi Arabia, and Sudan. [Connelly*rw-MA]
- 882 **CANARY ISLANDS** // **SPAIN** *COPE* synchros SEP 6 2350 Dominant with woman in Spanish. [Connelly*rw-MA]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford (51°10′N 03°21′W) SEP 7 0021 Woman with documentary; through WCBS slop and over briefly-faded *COPE*. [Connelly*rw-MA] SEP 22 0024 Excellent; BBC World Service parallel 198 kHz. [Conti-NH]
- 890.97 **ALGERIA** *Chaîne 1,* Algiers (36°40′N 03°09′E) SEP 6 2351 Pop Arabic male vocal with drumming; good. [Connelly*rw-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5* Live synchros SEP 6 2354 Discussion about British parents who lost their daughter during a trip to Portugal, speculation about foul play; good. [Connelly*rw-MA]
- 936 **SPAIN** *RNE5* synchros SEP 6 2352 Parallel 855 with man in Spanish; fair to good. [Connelly*rw-MA]
- 945 **FRANCE** *France Info*, Toulouse (43°21′N 01°20′E) SEP 6 2350 French talk by woman and interspersed romantic piano music; excellent. [Connelly*rw-MA] SEP 20 0118 Parallel 1206 with woman in French; good. [Connelly*R-MA]
- 954 **SPAIN** *Onda Cero*, Madrid SEP 6 2352 Monotone Spanish talk by man; under likely Qatar at this time, generally dominant at other times. [Connelly*rw-MA] SEP 27 2350 Fair; talk hosted by a woman. [Conti-NH]
- 954 unID SEP 6 2352 Arabic female vocal; over Spain for a bit. Qatar suspected though others are possible. [Connelly*rw-MA] SEP 20 0116 Koranic vocal; light audio on big carrier, over Spain. [Connelly*R-MA]
- 963 **PORTUGAL** *R.Renascença*, Seixal (38°38'N 09°05'W) SEP 6 2353 Portuguese teletalk; poor. [Connelly*rw-MA] SEP 20 0116 - Man with fast Portuguese talk and teletalk; fair. [Connelly*R-MA]
- 981 **ALGERIA** *RTVA Chaîne* 2, Algiers (36°40′N 03°09′E) SEP 20 0019 Female Arabic vocal; fair. [Connelly*R-MA]
- 999 **SAUDI ARABIA** *BSKSA R.Quran,* Tabuk SEP 27 2247 Excellent; speakers in Arabic, 2251 swapping dominance with Spain, 2252 another station fading in with piano instrumental and pop vocal, maybe Moldova, 2257 Koran over unID music and Spain, 2300 Spain on top. A very active frequency! [Conti-NH]
- 999 SPAIN *COPE* Madrid (40°28'N 03°52'W) SEP 6 2352 Man and woman in Spanish; loud, mixed with unID Koranic chanting station. [Connelly*rw-MA] SEP 16 0412 - Newstalk by woman; loud. [Connelly*B-MA] SEP 20 0113 - Spanish talk mentioning "internet" and "digital"; good, over Koran station. [Connelly*R-MA] SEP 21 2338 - Good; Bob Dylan "Knockin' on Heaven's Door" into talk hosted by a woman. [Conti-NH]
- 999 unID SEP 6 2352 Absolutely enormous signal with Koranic chant, momentarily over Spain which was also huge. Saudi Arabia or Morocco possible. [Connelly*rw-MA]
- 1017 **GERMANY** *SWR Cont.Ra,* Wolfsheim (49°53′N 08°03′E) SEP 6 2351 Two men in German, then a woman: weather items mentioned; loud. [Connelly*rw-MA]
- 1026 **SPAIN** *SER* synchros SEP 20 0019 Parallel 873 with piano music interval, then teletalk; fair with WBZ nulled. [Connelly*R-MA]
- 1044 **MOROCCO** *RTM A/C*, Sebaâ-Aioun (33°54'N 05°23'W) SEP 6 2332 Reverberated rustic

vocal with flute and strings; good, over Spain. [Connelly*rw-MA]

- 1044 **SPAIN** *SER* synchros SEP 16 0344 Spanish talk; fair to good with WBZ IBOC off at the time. [Connelly*B-MA]
- 1053.08 **LIBYA** *Libyan Jamahiriya*, Tripoli (32°50′N 13°00′E) SEP 6 2333 Soft-voiced Arabic talk by man; stronger than the stations on 1053.00 at this time. [Connelly*rw-MA] SEP 19 2259 Noted a bit higher (1053.10) with slow male Arabic a cappella vocal; to good peak. [Connelly*R-MA]
- 1053 **SPAIN** *COPE* synchros SEP 19 2258 Bits of Spanish newstalk noted through growl during Libya fade. [Connelly*R-MA]
- 1062 **DENMARK** *Danmarks Radio*, Kalundborg (55°40′N 11°04′E) SEP 16 0343 Repeated interval signal with xylophone or similar instrument, a few words were said by a man in Danish between the interval signals; excellent, better than 1060 domestics. [Connelly*B-MA]
- 1062 **TURKEY** *TRT* Diyarbakir (37°49'N 40°19'E) SEP 20 0108 Koranic vocal at light audio level on a strong carrier that was equal to the 1060 jumble. [Connelly*R-MA] SEP 24 0004 - Mideast male vocal; fair. [Connelly*B-MA]
- 1071 **SPAIN** *Euskadi Irratia*, Bilbao SEP 19 2258 Parallel 1161 with chime-like instrumental, then Spanish male vocal; poor in CBA slop. [Connelly*R-MA]
- 1080 **SPAIN** *SER* synchros SEP 19 2258 Parallel 1179 with woman in Spanish; noted during brief WTIC fade. [Connelly*R-MA]
- 1089 **UNITED KINGDOM** *TalkSport* synchros SEP 20 0106 Phone number with "double 2, double 3, double 4," talk about firing some old hack from a team and that it's "time to get new blood"; to good peak. [Connelly*R-MA]
- 1098 **SPAIN** *RNE5* synchros SEP 6 2300 Radio Nacional de España ID, news. [Connelly*rw-MA] SEP 19 2242 - Parallel 1125 with romantic vocal, then man and woman talking about it; good. [Connelly*R-MA]
- 1107 **SPAIN** *RNE5* synchros SEP 20 0056 Parallel 1305 and 1314 with Spanish talk; over growl. [Connelly*R-MA]
- 1116 **SPAIN** SER synchros SEP 16 0409 Man with Spanish talk, teletalk; good. [Connelly*B-MA] SEP 19 2256 Talk parallel 1179; fair. [Connelly*R-MA]
- 1125 **SPAIN** *RNE5* synchros SEP 19 2242 Parallel 1098 with romantic vocal, then man and woman in Spanish talking about it; good. [Connelly*R-MA]
- 1134 **CROATIA** *Glas Hrvatske*, Zadar (44°06′N 15°15′E) SEP 19 2245 Parallel 6165 with Spanish talk "emission de croacia en espanol"; loud. Medium wave better than shortwave. 2300 end of rock song, 3 pips (last one was longer), then into news in Croatian. [Connelly*R-MA] SEP 24 0023 Slavic talk; excellent, loudest TA at the time. [Connelly*B-MA]
- 1143 **SPAIN** *COPE* synchros SEP 20 0102 News by woman in Spanish; over low growl. [Connelly*R-MA]
- 1152 SPAIN RNE5 synchros SEP 19 2300 Pips, echoey news in Spanish. [Connelly*R-MA]
- 1152 unID SEP 19 2259 Bits of English talk under Spain: likely something from the UK. [Connelly*R-MA]
- 1161 **SPAIN** *Euskadi Irratia,* San Sebastián SEP 19 2258 Parallel 1071 with chime-like instrumental, then Spanish male vocal; poor to fair in WSKW slop. [Connelly*R-MA]
- 1170 **UNITED ARAB EMIRATES** *R.Sawa*, Al Dhabiya (24°11′N 54°14′E) SEP 6 2334 Arabic vocal, into nice "Radio Sawa" ID, then US soul female vocal; good. [Connelly*rw-MA] SEP 20 0101 Pop Arabic vocal with Indian-style tabla percussion; loud/dominant. [Connelly*R-MA]
- 1179 **CANARY ISLANDS** // **SPAIN** *SER* synchros SEP 6 2337 Bluesy female vocal then man in Spanish parallel stronger 1044. [Connelly*rw-MA] SEP 19 2256 - Talk parallel 1116; fair. SEP 20 0100 - Echoey Spanish news. [Connelly*R-MA]
- 1179 **ROMANIA** *România Actualitata*, Galbeni-Bacau et al. SEP 19 2321 Parallel 1332 with music; briefly over Canaries-Spain. [Connelly*R-MA]
- 1197 **SPAIN** *Euskadi Irratia*, Vitoria SEP 6 2334 Man in Spanish, then rock male group vocal; poor. [Connelly*rw-MA]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57′N 00°11′W) SEP 6 2300 Music fanfare, France Info ID, news; fair to good. [Connelly*rw-MA] SEP 16 0346 - Talk parallel 1377; to good peaks. [Connelly*B-MA] SEP 19 2300 - Timecheck "une heure," musical fanfare, then news; good. [Connelly*R-MA]
- 1215 **SPAIN** *COPE* synchros SEP 6 2300 Parallel 1224 with fast-talk Spanish news by man; fair, dominant. [Connelly*rw-MA] SEP 19 2301 Parallel 1224 with fast teletalk; under UK. [Connelly*R-MA]
- 1215 **UNITED KINGDOM** *Virgin Radio* synchros SEP 6 2337 Police "Every Breath You Take," then INXS "New Sensation"; mixed with Spain. [Connelly*rw-MA] SEP 16 0348 "Hey There

	Delilah" by Plain White T's; very good, dominant. [Connelly*B-MA] SEP 19 2248 - "Summer
	of '69" by Bryan Adams; over/under Spain. SEP 20 0059 - "You Give Love a Bad Name" by
	Bon Jovi, then Virgin mention; loud. [Connelly*R-MA]
1224	SPAIN <i>COPE</i> synchros SEP 6 2300 - Parallel 1215 with news in Spanish; poor. [Connelly*rw-
	MA] SEP 19 2301 - News, teletalk parallel 1215; fair. [Connelly*R-MA]
1242	FRANCE <i>France Info</i> , Marseille (43°16′N 05°18′E) SEP 20 0058 - Parallel 1206 with nostalgic
	female vocal (likely Edith Piaf); fair. [Connelly*R-MA]
1251	LIBYA Libyan Jamahiriya, Tripoli (32°50′N 13°00′E) SEP 6 2343 - Tinny telco-type audio on
	man in Arabic; good strength. [Connelly*rw-MA] SEP 20 0057 - Arabic talk; over two others.
	[Connelly*R-MA]
1287	SPAIN SER synchros SEP 6 2341 - Spanish folk vocal and guitar; fair to good. [Connelly*rw-
	MA]
1296	UNITED KINGDOM <i>Radio XL</i> , Langley Mill (52°33'N 01°46'W) SEP 20 0057 - Indian pop
1005	music; atop jumble. [Connelly*R-MA]
1305	SPAIN <i>RNE5</i> synchros SEP 6 2343 - Echoey Spanish talk parallel 1314 kHz. [Connelly*rw-
1314	MA] SPAIN <i>RNE5</i> synchros SEP 6 2344 - Occasionally emerging from CKEC slop with talk parallel
1314	1305. [Connelly*rw-MA] SEP 20 0056 - Talk parallel 1107; fair to good. [Connelly*R-MA]
1332	ROMANIA România Actualităti, Galati (45°25′N 27°54′E) SEP 19 2321 - Parallel 1179 with
1552	music; poor. [Connelly*R-MA]
1341	NORTHERN IRELAND BBC Radio Ulster, Lisnagarvey (54°30'N 06°04'W) SEP 16 0404 - Bits
1041	of BBC English news; poor. [Connelly*B-MA]
1359	SPAIN RNE Arganda del Rey SEP 6 2345 - Spanish discussion; fair. [Connelly*rw-MA]
1007	SEP 16 0404 - Man and woman with news in Spanish; to good peak. [Connelly*B-MA] SEP
	20 0055 - Spanish; to excellent peak. [Connelly*R-MA]
1377	FRANCE France Info, Lille (50°31'N 02°59'E) SEP 6 2342 - Classical music; excellent.
	[Connelly*rw-MA] SEP 16 0349 - Talk parallel 1206; good. [Connelly*B-MA] SEP 20
	0055 - Woman in French with mention of Etats Unis; local-like.
	[Connelly*R-MA]
1395	NETHERLANDS <i>The Big L,</i> Trintelhaven (52°38′N 05°25′E) SEP
	6 2342 - English talk, then disco song; fair. [Connelly*rw-MA] SEP
1404	20 0054 - "Bat out of Hell" by Meatloaf; fair. [Connelly*R-MA]
1404	FRANCE France Info synchros SEP 20 0051 - Parallel 1206 with
1413	phone interview; poor to fair. [Connelly*R-MA] SPAIN <i>RNE5</i> synchros SEP 6 2342 - Spanish talk by woman, then
1415	man; good, parallel weaker 1359. SEP 7 0030 - Teletalk parallel
	1503; fair. [Connelly*rw-MA]
1422	ALGERIA <i>RTA</i> Algiers (36°40′N 03°09′E) SEP 7 0032 - Arabic vocal; over Germany.
	[Connelly*rw-MA] SEP 26 2329 - Good, over Germany; man and woman in French parallel
	also good 252 kHz. [Conti-NH]
1422	GERMANY <i>Deutschlandfunk</i> , Heusweiler (49°21′N 06°55′E) SEP 20 0050 - Classical piano;
	excellent, over Algeria. [Connelly*R-MA]
1431	DJIBOUTI R.Sawa, Arta (11°31'N 42°50'E) SEP 7 0030 - Mellow vocal, Radio Sawa ID by
	woman, then synthesizer and drum-heavy dance music with Arabic vocal; good. [Connelly*rw-
	MA] SEP 20 0050 - Energetic Arabic dance music; loud. [Connelly*R-MA]
1449	LIBYA <i>Libyan Jamahiriya</i> , Misurata (32°46′N 15°05′E) SEP 16 0351 - Arabic female vocal;
	blowing by the 1450 WNBP, CFAB, WRKD melange. [Connelly*B-MA] SEP 20 0049 - Parallel
14/17	675 with woman in Arabic; good. [Connelly*R-MA]
1467	FRANCE <i>TWR</i> Roumoules (43°47′N 06°09′E) SEP 16 0400 - Sounded like German religious
1467	talk; surfacing over tough 1470 WLAM/WAZN slop. [Connelly*B-MA]
1407	SAUDI ARABIA <i>BSKSA</i> unknown location SEP 20 0048 - Parallel 1512 with Koranic vocal; good. [Connelly*R-MA]
1485	MELILLA // SPAIN SER synchros SEP 7 0030 - Parallel 1584 with woman in studio and
1400	man on phone. [Connelly*rw-MA]
1494	CORSICA France Bleu, Bastia (42°47′N 09°24′E) SEP 7 0031 - Woman with Bleu mention,
	pop music; poor. [Connelly*rw-MA]
1503	IRAN IRIB Sarasary, Bushehr (28°58'N 50°51'E) SEP 26 2315 - Loud and clear; flute and
	percussion parallel Sarasary streaming audio. [Conti-NH]
1503	SPAIN <i>RNE5</i> Piñeira and La Línea de la Concepción SEP 7 0030 - Spanish teletalk; good.
	[Connelly*rw-MA]
1512	SAUDI ARABIA <i>BSKSA</i> Jeddah SEP 7 0031 - Female Arabic vocal; to fair peak through

WWZN slop. [Connelly*rw-MA] SEP 19 2326 - Koran; good. [Connelly*R-MA]

- 1521 **SAUDI ARABIA** *BSKSA* Duba (27°20'N 35°45'E) SEP 7 0031 Arabic talk by two women; loud. [Connelly*rw-MA] SEP 19 2240 - Parallel 9555, 9870 with man in Arabic; huge signal, stronger than the shortwave parallels and completely demolishing 1520 kHz. [Connelly*R-MA]
- 1539 **UNITED ARAB EMIRATES** *R.Aap Ki Dunyaa*, Al Dhabiya SEP 19 2315 R.Aap Ki Dunyaa ID's; fair. [Connelly*R-MA] SEP 26 2255 Good to poor in occasionally tough 1540 WDCD slop; female group vocal of distinctly Pakistani or Turkish influence, woman host, top of the hour news by a man in presumed Urdu. New log. [Conti-NH]
- 1548 **KUWAIT** *R.Sawa*, Kabd-Kuwait City (29°10′N 47°32′E) SEP 7 0030 US pop hit, Arabic talk; fair. [Connelly*rw-MA] SEP 26 2308 Good; promo and Mid East pop vocal. [Conti-NH]
- 1550 **ALGERIA** *RASD* Tindouf SEP 19 2339 Parallel 6300 with rustic string picking, Arabic talk; over WNTN. [Connelly*R-MA] SEP 26 2349 - Fair through CBE *Radio One*, WUTQ *Sports Stars*, and 1548 Kuwait het with WDZK *R.Disney* nulled out; rural string instrumental, Sahara mentions, parallel a good 6300 kHz. [Conti-NH]
- 1557 **FRANCE** *France Info*, Fontbonne (43°46′N 07°25′E) SEP 7 0031 Man in French; emerging to good level out of WQEW slop. [Connelly*rw-MA]
- 1575 **UNITED ARAB EMIRATES** *R.Farda,* Al Dhabiya (24°11′N 54°14′E) SEP 7 0030 Mideast dance-club music, then talk by man and woman; over Spain. [Connelly*rw-MA] SEP 26 2243 Almost local-like; contemporary Mid East music, clips of listener phone calls with touchtone sound effects. [Conti-NH]
- 1584 **CEUTA** *RadiOlé*, Ceuta (35°53'N 05°17'W) SEP 7 0025 RadiOlé ID. 0031 Spanish rock; a bit over SER. [Connelly*rw-MA]
- 1584 **SPAIN** *SER* synchros SEP 7 0030 Monotone teletalk, pips on half hour, newstalk by man and woman; momentarily over Ceuta. [Connelly*rw-MA]
- 1593 **KUWAIT** *VOA* Kuwait City SEP 19 2335 Slow US-accent English news by man; slightly atop others. [Connelly*R-MA]
- 1593 unID SEP 19 2333 Soul/dance music; over Kuwait briefly. Romania suspected. [Connelly*R-MA]
- 1602 **SPAIN** *R.Vitoria*, Vitoria SEP 7 0032 Spanish pop-rock; way over *SER*. [Connelly*rw-MA]

Pan-American DX

- 550 **VENEZUELA** YVKE Caracas (10°32′N 66°55′W) SEP 20 0008 Spanish talk and several Mundial IDs; over WDEV Red Sox game. Upper sideband needed to dissect from massive 549 signal. [Connelly*R-MA]
- 555 **ST. KITTS & NEVIS** ZIZ Basseterre (17°19′N 62°44′W) SEP 20 0010 Caribbean man with live broadcast from an awards ceremony for people in the local government; to good peak. [Connelly*R-MA] SEP 22 0027 Excellent; reggae, calypso, and soca music. [Conti-NH]
- 580 **PUERTO RICO** WKAQ San Juan (18°26'N 66°08'W) SEP 20 0009 Spanish talk about local Puerto Rican events and topics; to good peak with WTAG phased. [Connelly*R-MA]
- 640 **GUADELOUPE** *R.Guadeloupe,* Pointe-à-Pitre (16°15′N 61°32′W) SEP 7 0011 Caribbeanaccented French talk by man; under CBN. [Connelly*rw-MA] SEP 20 0010 - French under CBN. [Connelly*R-MA]
- 660 **VENEZUELA** YVNA *Ondas de los Médanos*, Coro (11°25'N 70°30'W) SEP 7 0010 Ondas de los Medanos ID in Spanish talk; under WFAN. [Connelly*rw-MA] SEP 20 0010 This or YVQZ with Venezuela mentions under WFAN. [Connelly*R-MA]
- 670 **VENEZUELA** YVLL *R.Rumbos,* Caracas (10°29'N 66°59'W) SEP 7 0010 End of tropical music song, time/ID, "ocho diez minutos hora Rumbos, la emisora de Venezuela." [Connelly*rw-MA]
- 710 **CUBA** *R.Rebelde*, multiple sites SEP 20 0000 Parallel 770 with Cuban political speech; mixed with WOR, best on lower sideband to dodge 711/711.05 het cacophony. [Connelly*R-MA] SEP 27 0837 Romántica and salsa over/under WOR. [Conti-NH]
- 720 unID SEP 20 0000:45 Code beeps "HEH" sounded once, maybe as part of newscast. Mixed with a Portuguese talker (Portugal or Brazil) and general jumble of others. I'm not even sure if this unID is Pan-American or TA. [Connelly*R-MA]
- 750 **VENEZUELA** YVKS *RCR* Caracas (10°29'N 67°00'W) SEP 6 2358 Venezuelan newscast mentioning Maracaibo and other cities; noted during audio pause on dominant CBGY. [Connelly*rw-MA]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza (03°45′S 38°31′W) SEP 7 0000 "Uirapuru AM" ID; over noise/jumble. [Connelly*rw-MA]

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 - 760 **COLOMBIA** HJAJ *RCN* Barranquilla (10°53'N 74°49'W) SEP 20 0000 Colombia and Barranquilla mentions in news; to fair peak. [Connelly*R-MA]
 - 770 **COLOMBIA** HJJX *RCN* Bogotá (04°37′N 74°11′Ŵ) SEP 7 0018 Probably this with Barranquilla mention; under WABC. [Connelly*rw-MA]
- 770 **CUBA** *R.Rebelde*, Las Mercedes SEP 20 0000 Parallel 710 with Cuban political speech; under WABC. [Connelly*R-MA]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro (11°23'N 69°40'W) SEP 20 0000 R.Coro ID popped through during brief CFDR fade. [Connelly*R-MA]
- 800 **NETHERLANDS ANTILLES** PJB *TransWorld Radio*, Bonaire (12°06'N 68°17'W) SEP 7 0020 - Southern US accented preacher, then hymn; over CJAD and country music that was probably VOWR. [Connelly*rw-MA] SEP 20 0000 - ID "TransWorld Radio, Netherlands Antilles", then into "Through the Bible" program; over others. [Connelly*R-MA]
- 820 **CUBA** CMDE *R.Reloj*, Contramaestre (20°18′N 76°15′W) SEP 27 0839 RR code ID blasting through WNYC. [Conti-NH]
- 820 **ST. KITTS & NEVIS** *TBN / R.Paradise,* Charlestown (17°08'N 62°37'W) SEP 7 0017 Preacher, "We're all sinners who can be saved by grace," talk about evangelistic meeting in Los Angeles; good, largely over WNYC. [Connelly*rw-MA]
- 840 **BRAZIL** ZYK687 *R.Bandeirantes*, São Paulo (23°32′S 46°37′W) SEP 7 0017 End of rock song, then man and woman in Portuguese; fair over WHAS, others. [Connelly*rw-MA]
- 860 **BRAZIL** ZYJ459 *Radio CBN*, Rio de Janeiro SEP 7 0019 Most likely this with excited sporting event coverage by man in Portuguese, reverb on audio; sometimes over CJBC. [Connelly*rw-MA]
- 870 **CUBA** CMDT *R.Reloj*, Sancti Spíritus (21°56′N 79°26′W) SEP 6 2354 Reloj program; through WLVP, others. [Connelly*rw-MA]
- 895 **ST. KITTS & NEVIS** *Voice of Nevis,* Bath Village (17°07′N 62°37′W) SEP 6 2354 Shouting announcer, then reggae song; to fair peak. [Connelly*rw-MA]
- 960 **BRAZIL** ZYK689 *R.São Paulo*, São Paulo SEP 6 2351 Possibly this with bits of religioussounding Portuguese talk battling it out with the Cuban Reloj and some weak domestics. [Connelly*rw-MA]
- 960 **CUBA** *R.Reloj*, multiple sites SEP 6 2351 Reloj news, ticks, beeps; over weak domestics and an apparent Brazilian. [Connelly*rw-MA]
- 1000 **BRAZIL** ZYK522 *R.Record,* São Paulo (23°33′S 46°38′W) SEP 6 2354 Fast Portuguese sportstalk; fair in upper sideband to dodge monster 999 kHz. [Connelly*rw-MA]
- 1020 **CUBA** *R.Reloj*, unknown location SEP 6 2353 Reloj news and time show; dominant. [Connelly*rw-MA]
- 1160 **BERMUDA** VSB3 Hamilton (32°18′N 64°46′W) SEP 6 2301 "BBC news, I'm Ellen Marston"; briefly through WSKW. [Connelly*rw-MA]
- 1200 **VENEZUELA** YVOZ *R.Tiempo*, Caracas (10°32'N 66°57'W) SEP 6 2332 Two R.Tiempo IDs; over WKOX/mess. [Connelly*rw-MA]
- 1500 **VENEZUELA** YVRZ *R.Dos Mil*, Cumaná SEP 7 0033 Slogan "Dos Mil, la ultima"; over/ under WTWP. [Connelly*rw-MA]

Transpacific DX

The Moore Report: Japan is gone for awhile - typical for Far East stations to come to the end of a series of low A-index days and disappear. I thought for sure the carriers and perhaps audio would make it into the midwest but I believe that Neil Kazaross in Wisconsin was 1/2 hour too late as the carriers were fading fast here and almost gone by my local sunrise. NOAA shows the auroral oval very subdued at 1018 UTC on Sept 20 with hemispheric power at 3.5 GW, activity level 2. The next pass over the northern oval at 1158 showed a high level of activity across Alaska, which would cut off Japan signals, with hemispheric level of 24.8 GW and activity level of 7. I'm no expert and don't know exactly what hemispheric power and activity are exactly, but suspect higher numbers mean poorer DX. The next morning Sept 21 produced only 10 TP carriers, 3 of which were fair (693, 702, 1098) and one good strength (738) but buried under WWCN IBOC. Sept 22 better with 1098 good level and 567, 602, 693, 1008, and 1548 fair; all DU or island stations.

QSL Information

1512 **BELGIUM** *R.Vlaanderen International,* Wolvertem - Full data verification form letter, signed by Wim Jansen, RVi Station Manager, in 8 days, with 1 IRC. What a quick response. I sent this on Sept 14, and have the QSL on the 22nd! [Renfrew-NY]

Contributors

Mark Connelly, Billerica MA; RFSpace SDR-IQ, Drake R8A, Mini-Circuits ZSC-2-2, DXP-6A, east SuperLoop 10 m vertical by 16 m horizontal, base height 1.5 m, longwire west-east 30 m to 4:1 xfmr.

Mark Connelly, Rockport MA; SDR-IQ, R8A, ZSC-2-2, DXP-6A, cardioid array on roof of car = vertical 3.7 m whip (MFJ-1956) to 81:1 xfmr to DX Engineering RPA-1 amp + loop: broadband, in vertical plane, square, 2 m per side, to 1:1 xfmr to RPA-1 amp, peak east-west, null northsouth.

Mark Connelly, Rowley MA; SDR-IQ, R8A, ZSC-2-2, DXP-6A, two verticals, phased, spacing = 50 m on east-west line, both = 3.7 m whip (MFJ-1956) to 81:1 xfmr to RPA-1 amp.

Bruce Conti, Nashua NH; R8B, WR-CMC-30, MWDX-5, 15 x 23-m SuperLoop antennas east and south.

Ray Moore, Ft. Myers FL; homebrew receiver, 23-inch spiral loop. Jim Renfrew, Holley NY; Drake R8B, longwires. 73 and Good DX!

kagh

KGROP

NEW!!! IRCA Slogans List (Winter 2007) NEW!!! This completely revised Slogans List, which includes radio slogans from the U. S., Canada and Mexico (over 4000), is now available from the IRCA Bookstore. Prices: NRC/IRCA members - \$6.00 (US/Canada/Mexico/sea mail), \$8.00 (rest of the Americas/ Europe airmail), \$8.50 (Australia/Japan/New Zealand airmail). Non-IRCA/NRC members - add \$1.00. To order send the correct amount (in US funds payable to "Phil Bytheway" (which will be returned if not made out to Phil Bytheway) to: TRCA

(which will be returned if not made out to Phil Bytheway) to: IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334 (email: phil_tekno@ yahoo.com).

NRC AM Radio Log, 28th Edition

The NRC AM Radio Log is unbound and threehole punched for standard binders. \$19.95 to U.S. NRC members; \$25.95 to U.S. nonmembers; to Canadian members, \$23.00 (\$27.95 to non-members). Airmail to all WKINH STATIS outside of USA/Canada: \$31.45. Order from: NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

The NRC AM Station Antenna Pattern Book This Sixth-Edition Antenna Pattern Book now includes daytime and "Graveyard" frequency patterns for the first time. Stations in Alaska and Hawaii are listed THE NATIONAL RAD on separate pages at the end of the book. The basic list of U.S. and Canadian stations comes from the 26th Edition of the National Radio Club's AM Radio Log. Mexican stations in the states bordering the United States plus those stations elsewhere which are easily heard in the U.S. and Canada are also included. All data is up-to-date as of November 1, 2005. Prices: \$16.95 to USA/Canada NRC members, \$22.95 USA non-members, \$25.95, Canada non-members/all overseas orders. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

Boise 2007 "The First Joint Convention of Two Great Clubs" by John R. Malicky

Beautiful, Outstanding, Informative, Successful, and Entertaining ... that was Boise 2007, and with respect to Johnny Carson, we now say, "it's the NRC Convention Show starring Frank Aden! Frank's guests this weekend included Carolyn Holly, Daytona Dayton, Art Gregory, Bill Frahm, Ray Littrell, John Bowker, Phil Bytheway, and Wayne Heinen! Now, here's Frank! Thank you and welcome to Boise. What an exciting show and convention we had for you! If you missed this, shame on you for 6 weeks and may a crazed bronco stampede on your HD radios!

Like east meeting west and Abbott and Costello, the National Radio Club joined hands with the Worldwide TV-FM DX Association for this historic, and practical, event. Also, it is the first time the NRC has had a convention in Boise and in "the Gem State" of Idaho!

A gem of a city, Boise is personable, friendly, and growing to the west and southwest. Beginning in the early 1800s, French fur trappers called this new wonderful land of discovery, "riviere boissie," or "wooded river." Soon, pioneers followed on the Oregon Trail through Fort Boise. Founded in 1863, with Idaho becoming a state in 1890, Boise, or "The City of Trees," boasts major economic development, a low tax base, and recreation including the Owyhee Mountains to the north. Also, there are the arts including the Boise Philharmonic, Opera Idaho, Ballet Idaho, and The Shakespeare Festival. Education

is also a primary through Boise State University, now with 18,000 students. Boise St. also boasts their 'blue' football field and team which reached national prominence New Years Night 2007 with their dramatic 43-42 Fiesta Bowl overtime win over Oklahoma to cap a 13-0 season and number five ranking! Bronco Field also hosts, on the last week of December, the MFC Computers Bowl. In addition, there are 3 professional teams. They are the Boise Hawks, a Class A baseball affiliate of the Chicago Cubs, the Idaho Stampede competing in the Continental Basketball Association, and the Idaho Steelheads hockey team, winners of the 2003-04 Kelly Cup. Another winner is Boise radio, with 36 AM/FM stations, moving up, in two years, nine spots, to a 105 Arbitron ranking. Finally and further proof that in two years almost 30,000 more residents call Boise home!

As does our 2007 host, Frank Aden(M70SK) who is quite a historian of Idaho radio and TV and practiced his DX hobby for many years. As an NRC member before and currently since 1980 and a WTFDA member for 37 years, Frank began listening and logging stations at an early age, then shortwave, and by 1970, DXing the TV and FM bands. A graduate of the University of Oregon and employed at DirecTV Frank secured all the tours



Convention host Frank Aden welcomes convention-goers to Boise.

employed at DirecTV, Frank secured all the tours and talks for Boise 2007. Also, this was Frank's forth Boise convention with the others for the International Radio Club of America in 1995 and 2004 and WTFDA in 2001. Now, on with the show!

At 10:52 AM MDT on Friday morning, August 31, following a 530 mile drive from Portland and Eugene, Oregon last night, while visiting stations earlier and passing the brush fires on both sides of 1-5, all roads returned for Boise 2007 at the Rodeway Inn and 1115 Curtis Road at the junction of 1-184. Soon is the discovery of (The) Gold (!) Room, then welcomed by members and announcing in 8 minutes the group is leaving for the 'first' tour and watching in their studio, the noon news at KTVB TV 1, HDTV 26. Within walking distance a few blocks away, at 5407 Fail-view Avenue next door to Boise's KGEM-1140, KTVB is owned by Belo of Dallas and an NBC affiliate. A part timer and Director of Security (and tours), Earl Silserstein 'briefs' us before our meeting with the press. With a vote of progress, when KTVB moved here in 1972, the end of their building also was the end of Boise! Three, two, and as 'the number one rated station in Boise and Idaho,' "we picked a good day to visit," mentions Mr. S. Also on the top ranked Sunday night news, midday anchor Carolyn Holly begins with the lead story, and the buzz around Boise and Idaho, of the impending resignation of four time elected and the 27-year career of State Senator Larry Price, This following the June 11, 2007 arrest of the senator at the Minneapolis Airport for solicitation. The price was not right as Senator Price would resign the

next day, but for Boise 2007 we're resigned to the fact of thanking KTVB for allowing us to tune in!

Now a short pause from our sponsors including the Idaho Statesman newspaper across the street from the Rodeway Inn, then our second visit to Boise's highest voices. Peak Broadcasting! Located just southeast of downtown at 827 East Park Boulevard in a beautiful office complex. Peak is home to six stations while overseen by our host. Chief Engineer Lee Eichelberger. The six stations were KSAS-103.3 "Kiss-FM"(chr), country KTMY-104.3, KCIX-105.9 "Mix 106" (hot ac), KXLT-107.9 "Lite 108" (soft ac), KFXD-630 having just switched to talk, and Idaho's oldest station, KIDO, "Newstalk 580." That Broadcast Yearbook lists KFXD signing on in May, 1922, KIDO, through much research, is officially credited as Idaho's oldest station. KIDO's story began as an experimental station, 7YA, in 1920, then licensed to Boise High School as KFAU in 1922, then switching to KIDO even as BY's date sets them in November, 1927. An account of this story by Frank Aden mentions KIDO, as KFAU, signing on July



18, 1922 and KFXD starting in late August-early September 1925. Also, two other stations in Idaho did sign on first, but shortly thereafter ceased operations. However, we thanked Lee and Peak for their continued operations!

Later in the afternoon while most of Boise headed home, like Lewis and dark, we replicated the 1805-06 northern exploration of northern Idaho(or 20 miles north of the city) to Eagle, and fly like one, finding a unique and temporary museum for The History of Idaho Broadcasting Foundation, Inc. (designated as IBF). As a severe rainstorm blew through the area, so we did also, but in a more congenial way to 723 Headwaters Drive West at the home of Daytona Dayton. From a previous meeting, Daytona agreed to allow the IBF to display their "museum preview" on the second floor of her beautiful home. Also, through Daytona's generous gift, the IBF now had the funds, in addition to being a non-profit corporation, to file with the IRS for Recognition of Exemption under Section 501(c)(3). An Idaho potato, a famous beer, and "Positive Talk Around the Clock!" Name a spud, a Bud, and a plug! In

her home, with the most modem of equipment and software systems, is a worldwide radio network at, "www.daytona-n-friends.com."

Now as friends, Art Gregory, President of the IBF also related to us how his group was formed. The idea of the IBF developed by the urging of Frank Aden towards Art after the two gentlemen met on e-bay in 2004 to buy music charts. However, the idea came much earlier or started when the fascination of broadcasting led Mr. Gregory to work in radio and TV. Then as IBF was formed, their motto was and still is to preserve the past making it available for all to study, better able to understand the present, and plan for the future. Within their mission is to stimulate in people of all ages, especially the young, of how radio and TV in Idaho made and still makes practical contributions to the quality of life for everyone in the state. Thus, in July 2006, the group presented their first bi-monthly, or six times a year, newsletter, "As the Turntable Turns," 'Step by step' with monthly meetings at various outlets including those at Boise commercial stations. As President and Vice President, Art Gregory and Frank Aden have written most of the newsletters from their accounts and research including some exceptional and historic photos of the Idaho media. Their 21 charter member group continues to grow which included a lifetime membership for Ms. Dayton. The IBF accepts memberships from anyone for \$20 (paper copy) or \$10 (e-membership) a year to History of Idaho Broadcasting Foundation, Inc., 6127 North Hastings Avenue, Boise, ID 83714 or contact Art Gregory at pawzup@quest.net. The group's collection included historic equipment and archives. This 'museum' contained three 50-60 year old Gates control boards from local stations, a 1000-watt RCA transmitter, KBOI-Boise's ITC Stereo Cartridge player/recorder, an Ampex 601 and PR10 reel-to-reel machines, jingles, and airchecks including an EBS check. Along with music charts and pictures, some of the airchecks included a comical sign-off from KEST, now KEZJ-1450 in Twin Falls, "now get some sleep, as we sign on at 6." Also heard was Mr. Gregory's voice, while working at a TV station in Salt Lake City, of a KBOI sign-on in 1972 and a congratulatory message from KOMO-1000 Seattle to KBOI in 1968 switching frequencies from 950 to 670 and upgrading power from 25kw to 50kw. Downgrading or downstairs, a generous spread of food and drink awaited for all. To Daytona, Art, and Frank, thank you to all and to all a good day!

It is Friday evening and in the Gold Room, which implied more than just a name, Frank discussed his extensive knowledge of Boise radio and TV. One of the more interesting topics was the origins and demise of Boise's first TV stations. As related, Idaho's first and short-lived TV station was KFXD TV 6 that signed on with test patterns on June 18, 1953. Eleven days later, KFXD ran programs for 3 hours until 9 PM. Three other TV stations, KIDO (now KTVB), KBOI (KBCI-2) and KGEM filed for applica-

tions or had permits before KFXD, but hadn't gone on the air yet. Without a network, KFXD possibly considered joining the 9-year-old Dumont network, but declined. Faced with mounting debt, the owner signed off KFXD two months later on August 12. Following a search of 30 years, Frank's excitement came when he found and showed us the photo of KFXD's portable transmitter building! This is Boise 2007 now leaving the air until tomorrow morning, have a good night!

On a beautiful day in the neighborhood for Saturday, the first of September, the second day of NRC-WTFDA Boise 2007 found several of the members hunting for, not wabbits, but Boise's AM tower sites. With a map and directions in our convention pamphlet and 1884 as the dividing line, four sites are north and seven are south. All on level land, some of the seven sites we'll see included the most notable, KBOI-670's six-tower array about 20 miles from their studios at South Cloverdale Road. Here, engineer Bill Frahm talked about KBOI's 1993 Harris DX50 transmitter which replaced a 1967 GE OTB50A1. Also in the bunker type building is a vintage 1930s transmitter from KOAC-550 licensed to Corvallis, Oregon. This transmitter is not in use, but there are possible plans to use it as a museum piece. Moving here



Publisher Paul Swearingen receives his copy of the 28th edition of the *NRC AM Log* personally from Wayne Heinen, NRC BoD chairman and *Log* editor.

in 1968 or at least when the bunker was built. Bill remarked that in 2000 when KBOI had four towers, Lotus Communications, which owns KIRN-670 in Simi Valley, California and near Los Angeles, actually paid KBOI to knock down three towers and install five new ones so as to protect KIRN even more! As on record, 50kw KBOI is non-directional days and directional nights with nulls towards KIRN, KDLG-Dillingham, Alaska, and WSCR-Chicago. They also have an effective radiated power (erp) of 300kw to the north. A few miles north, also on Cloverdale, is the diplexed three tower site of KFXD-630 and KBSU-730 (which is licensed to Boise State Radio). Of interest, the transmitter building still has the 'KIDO' call letters when in 2002 KIDO-630 and KFXD-580 swapped frequencies, leaving KIDO with a better coverage area. Earlier, Mr. Frahm met us at West Amity Road to see the KTIK-1350 four-tower array and in the building, the Harris Gates 5kw and backup Continental transmitters. Also, about one mile southeast of KTIK's array was the magnificent view of the four-tower site of KIDO which consisted of two guyed and two self-supporting towers. A self-guided tour also brought some of us into Boise to see KGEM's three tower array at 1140 which is at their old studio site that included a bomb shelter. Five days ago, I had the opportunity to see this site through my host as we'll meet again.

Now with another opportunity, an added chapter to Boise 2007, we visit the Journal Broadcasting Group and their six stationsafcl-5257 Fairview Avenue or next door to TV 7! With Rick Kemp as their CE, Radio Engineering Manager or as he likes to say, "field engineer," Rockwell 'Rocky' Smith gladly greets us. Also a member of IBF, Rocky's long career as a radio personality and now behind the scenes included stops starting in Washington(KUPS-90.1, KASY), Montana (KBMY), Oregon, Idaho(KLIX), and Boise. Out of radio, one phone call brought him 'home' again to his current post for the past seven years. Owned by WTMJ, The Milwaukee Journal, the six stations here are "Good Time Oldies" KGEM-1140, nostalgic KCID-1490, adult alternative on KRVB-94.9 "The River", new rock on "The X" KQXR-100.3, Boise's heritage rock station KJOT-105.1 "J105", and the number one rated station in Boise, "K-Hits" of the 50s, 60s, and 70s, KTHI-107.1. Community oriented, all six station's mission statement is to be the "best locally. So, do your best Rocky, 'til we meet again!

Meanwhile, our mission that we did accept was to visit our final stop today, Boise's six Citadel stations near downtown at 1419 West Bannock Street. Again, Bill Frahm has kindly accepted our group to see the major station in town, "Newstalk 670 KBOI", and voice of Boise State Bronco football. The other five included "1350 KTIK The Ticket" ESPN Radio, "Kissin' 92" country KIZN-92.3, "Magic



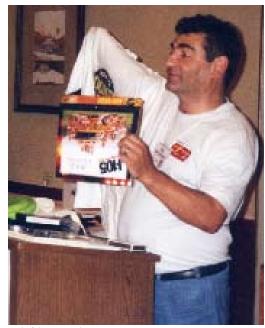
... And I have more of these, Scott Fybush beams. Scott and Universal Radio were two donors of as an editor, Paul has been DX News Editor for 19 items for the annual auction.

93.1" chr KZMG, classic rock on "96.9 The Eagle" KKGL, and country again on "98 KQFC" at 97.9. Good success to Citadel, Bill, and Randall Rocks, Chief Engineer for whom I met on the 28th.

A world famous Idaho potato, friendliness, and a group of people; name a food, a mood, and some dudes! Why it's the Boise 2007 Banquet! It is an "emporium of fine food and drink" at The Sunshine Restaurant inside The Rodeway Inn. Thus, to keep the registration fee low, our tab was our own.

Returning to The Gold Room, the time has come to keep a tab on our two guest speakers. Ray Littrell and Art Gregory, and the very brief, very miniscule (NRC) Business Meeting. The meeting was presented by the NRC's version of Frank Sinatra, Chairman of the Board Wayne Heinen. Wayne began by thanking everyone here and Frank Aden for hosting Boise 2007, plus thanking NRC Registrar John Bowker. Frank or Wayne also announced that Jim Pogue had taken over as Broadcast Test Coordinator for Les Raybum while dedicating the 28th NRC AM Log, which did sell out at Boise, to DXN Editor Paul Swearingen! With almost 20 years

years. At last count, the 'herd' or the NRC membership stood at 485 for DXN, 145 for e-DXN, and just



Phil Bytheway attempts to get the highest bid for a combination of items during the annual auction.



Convention guest speakers Ray Littrell and Art Gregory stand next to vintage radio equipment on display at the temporary IBF museum.

under 100 for DXAS. Wayne did recognize Stan Morss, a New Englander and longtime NRCer, with a plaque for Member of The Year for 2007! Finally, Wayne did not 'pull the plug', but offered for sale at \$15, Scott Fybush's very fine 2008 Tower Site Calendar, then Phil Bytheway and the IRCA Technical Guide at \$13.

After a commercial break for our sponsors, Phil, as auctioneer, and Paul, assisting, hosted the radio game show, 'who wants to spend all their money?!' Otherwise known as the NRC Auction! Netting \$143.00, one of the auction's highlights was a neatly-designed convention shirt with both club's logo and a DVD of an old Dumont TV network show. As always, yelling out call letters to bid added \$1 to that total and you got what you paid for!

Earlier, our two speakers were members of the History of IBF. First was Ray Littrell whose extensive career in broadcasting included writing news for Seattle's KING, KOMO, and KIRO, plus San Francisco's KSFO, an actor then director, taught TV classes, and from his story, is best noted as a comedy writer for The Johnny Carson Show. Ray acknowledged that the best humor comes from natural occurences. He also stated that 'live' morning shows are good entertainment, but drops when stations go to syndication or voicetracking. Ray also said local news and radio journalists have become 'infotainers' which comes to mind that. Fox Radio News now says, "we report, you decide." Of course, Ray enjoyed the early days of comedy when vaudeville was king. Less of a king, but more as an expert, Ray currently is an editor operating an internet site. Our advice after Ray was to listen to the President of IBB, Art Gregory. Also entertaining. Art's career in radio started at age 14 in 1966 at then KEST radio, now KSPD-790, left for awhile, then returned even working for free a short time at KBOI, then followed into other radio and TV outlets in Idaho and Utah, and even into ownership of a station in Casper, Wyoming, KQLT, until 1989. Then in 1992, Art became General Manager for Synergy, an ad agency, and also the marketing and communications director for Zamzows, a pet food and lawn garden store. Art is also currently teaching communications at Boise State. He was also affected by early radio and TV, including the comedy of Groucho Marx and The Little Rascals. 'George Burns and Grace Kelly, without Lewis, just Martin, and there's no place like home.' Name a team, a Dean, and a dream! Thus with the IBF, Art is living his dream and thanked the members for all our interest in this great hobby. The tonight show said goodnight and 73s!

Our final day, Sunday, September 2 was a day of delights, might, and heights! The delights, for anyone without breakfast or with, were the candy from John Bowker's Candy Quiz. Next, the answer could be, it might be, a 590 station, signing on in 1929, not all that far from Boise would carry Disney stuff, but it's mostly news. Answer, "what is KID?!" Also, the winner of the 2007 NRC Quiz. Answer, "Who is Scott Fybush?!" Finally, there was some time to ascend to Deer Point at 7100 hundred feet elevation north of Boise and past the fork in the road to see all of Boise's TV and FM stations' towers, except for KQXR-100.3. And that my friends is a WRAP, so thank you Frank, thank you Boise, and we'll see you sometime when, sometime where in 2008! 73s to all and good DX!

Guests and Attending Members for Boise 2007: 31 which included registrants ID: Frank Aden, Bill Frahm, Art Gregory, Albert Hale, Ray Littrell OR: John Adams NJ: Bob Antoniuk NY: Scott Fybush, Rick LUcas FL: John Bowker, Ronald C'Gitschier, Mike Lantz and Lexie TX: Joe Gragg WA: Phil Bytheway, Don Voegele OH: George Greene CO: Wayne Heinen CA: Tari Livington Hughes, Dennis Smith TN: David Jones, Douglas Smith MS: Lina Jones, Mark Jones PA: John Malicky IL: Frank Merrill UT: Mike O'Riordan KS: Paul Swearingen NE: Ernest Wesolowski MA: Garrett Wollman ON: Wayne Ryan, David Whatmough

Book Review: From Parsifal to Perón; Early Radio in Argentina, 1920-1940 By Kenneth D. MacHarg

I'm not sure what first drew me to this book—a life-long love of radio and mass media or my nearly 18 years of living and working in Latin America. Whatever it was, reading it was an insightful and entertaining experience.

Dr. Robert Claxton's discourse on the early development of radio in Argentina (1920-1944) is both well-researched as you would expect from an academic and easily readable as it explores the technological and programmatic development of radio services along with the broadcast medium's on-going relationships with government, education and the business community.

There were several impulses that moved radio to an early development in Argentina, including the electrification of the country and a government that was disposed to encourage local broadcasting. Electricity reached many locations in the country in the 1880s and, by 1920, over 40 percent of South America's telephones could be found in Argentina. Those, along with a strong scientific community and the developments of World War I led to an early interest in radio technology among the military—a development which lapsed over into the educational and commercial areas as well.

An eager amateur radio community as well as the development of early spark transmitters in use by 1902 led to further developments. And, then as now, Argentina was a country with a high literacy rate and a resulting interest in other forms of communication.

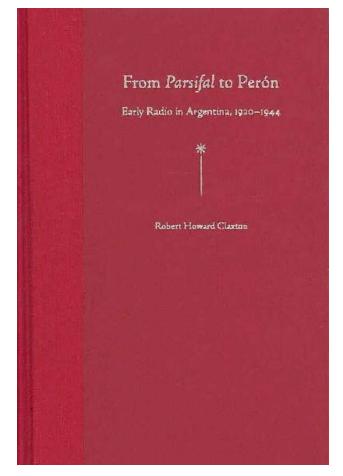
With his unique title, *From Parsifal to Perón*, Dr. Claxton hints at the roles that radio played in Argentinean cultural and political developments. Parsifal, an opera by Richard Wagner, was the first broadcast by a group of four amateurs who, using a five-watt transmitter and a wire strung between the Coliseo Theater and a nearby house, transmitted the three-hour performance to perhaps fifty crystal sets on August 27, 1920.

Some proud Argentineans insist that the transmission was the first broadcast in the world in that it came before similar "first" broadcasts by WWJ or KDKA in the United States. However, as Dr. Claxton says, "Much depends on how one defines the word 'broadcast'."

Dr. Claxton goes on to explore the necessity of marketing receivers, most of them designed and developed in Argentina, to capture the programs of the early radio pioneers and the development of such equipment from ugly boxes with wires and tubes to attractive pieces of furniture that were acceptable in living rooms throughout the country.

One very interesting aspect of radio broadcasting in Argentina was that, primarily, it was homegrown. Initially radio stations developed as extensions of newspapers, educational institutions, governmental bodies and agricultural cooperatives. It took several decades for foreign radio station owners to enter the market and by then local styles and personalities had already been established. This stands in sharp contrast to other countries, such as Ecuador, where many early broadcasting initiatives came from foreign individuals and organizations.

Quite a number of stations began as cultural or educational ventures that provided a cross-section of programming that could easily be compared to public radio offerings in the United States and elsewhere today. Later, as radio became more expensive to produce and entrepreneurs saw the potential to make money, a tension grew between the ideals of broadcasting in the public interest and radio as a generator of wealth or designed more for more common programming tastes.



The book explores fascinating facets of radio programming, including the development of rural and small-town radio stations, the relationship of radio to the development of a national identity and the question of whether radio helped or hindered the development of democracy in Argentina.

As a Latin American historian for many years at the University of West Georgia, Dr. Claxton is well-equipped to set the development of broadcasting in Argentina in its proper historical and cultural setting. And, as an aficionado of radio, he explores areas of the development of this media, such as shortwave broadcasting within Argentina and the reception of foreign broadcasts and their influence on Argentinean politics and culture.

Along with extensive endnotes and a bibliography to document his research, Dr. Claxton includes a number of appendices listing, among other things, names of Buenos Aires radio dealers and brands, surveys of Argentine radio regulations and adherence to international broadcasting agreements as well as listings of Latin American pioneer radio broadcasters, commercial radio stations in Buenos Aires and in provincial cities, Argentine shortwave broadcasters, and cultural and economic information that affected

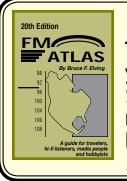
the development of radio.

As the author points out, a definitive history of radio broadcasting in Latin America has not been published in either English or Spanish. His book concerning radio broadcasting in Argentina is a solid and well-done contribution to developing material in this neglected field.

From Parsifal to Perón, Early Radio in Argentina, 1920-1940, by Robert Howard Claxton, University Press of Florida, Gainesville, 2007. This book may be ordered on-line at http://www.upf.com/book. asp?id=CLAXTS07.

Kenneth D. MacHarg is the author of From Rio to the Rio Grande, Challenges and Opportunities in Latin America. He served as the director of the English Language Service at international radio station HCJB, The Voice of the Andes, in Quito, Ecuador. Most recently he was professor of Communication and Mass Media at the Evangelical University of the Americas. Now retired, he lives in Carrollton, Georgia.

Two URL's you need: http://e-dxn.com; http://www.nrcdxas.org



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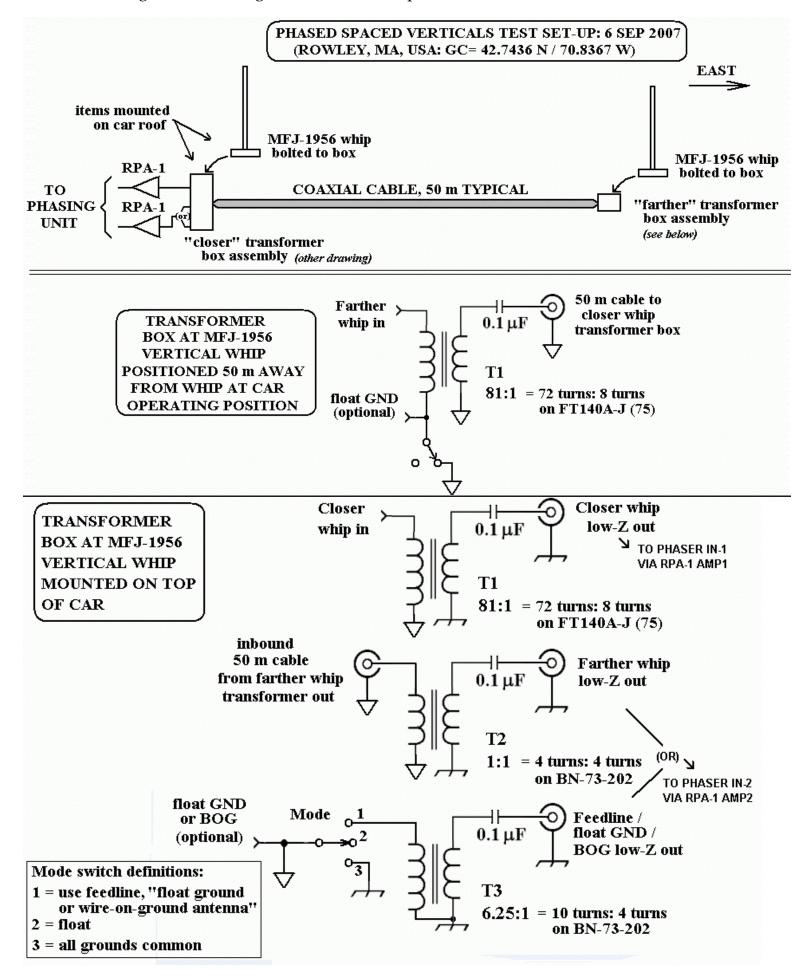
Phased Verticals testing at Rowley salt-marsh By Mark Connelly; excerpted from the NRC listserv by Wayne Heinen

On Thursday 6 SEP 2007, I went out to the Rowley, MA salt-marsh site and set up two verticals spaced about 50 m on an east-west line to see how well these would reduce high-angle unsteady skip typical on the high end of the medium-wave dial from stations closer than 500 km, especially around sunset and sunrise.

Each antenna consisted of an MFJ-1956 telescoping vertical whip element of length 3.7 m (12 ft.). This was broadband-coupled to a 50/75 ohm low-impedance environment by means of a homebrew matching transformer of 81:1 impedance ratio, or 9-to-1 turns ratio. DX Engineering RPA-1 amplifiers were used ahead of the two phasing unit input jacks.

A homebrew phasing unit (DXP-6A) was used, but similar results would be had with commercial models such as the Quantum Phaser or DX Engineering NCC-1.

The two diagrams following illustrate the set-up.



The antenna system was set up so all of the following situations could be tested:

(1) Each whip worked against the shield of the 50 m coaxial cable connecting them, but isolated from receiver-chassis ground

(2) The two whips phased but now receiver chassis ground connected in common with the shield of the between-whips coaxial cable run, and

(3) The on-car whip was phased against the shield of the 50 m feedline acting as a miniature Beverage-on-Ground (far end whip not used)

Testing started about 1 hour before local sunset. WQEW-1560 and France-1557 are an obvious test case for this set-up and, indeed, both were already putting in strong skip signals at this time.

Not surprisingly, the "closer" whip phased against the "BOG-like" on-ground feedline shield gave the least stable nulls. But when WQEW-1560 could be knocked down ... typically a very brief interval ... France-1557 was good copy.

It was harder to tell if the set-up of using both whips with all grounds common differed that much from using both whips with the shield of the 50 m coaxial cable isolated from chassis ground. Sometimes 1560 was held down better with one configuration and sometimes the null was better with the other.

Even with phased verticals, the sunset-period nulls of WQEW-1560 and of other close-in skip pests such as WDCD-1540 were still "bucking broncos" requiring interaction with phasing unit knobs every so often.

I seem to remember somewhat steadier nulls when a pair of whips having the amplifiers built into the assembly (e.g. MFJ-1024) were used instead of antennas transformer-coupled "in the field" and amplified back at the operating position. Leakage of the coaxial cable might be a culprit there, since anything it would pick up would be combining in high-angle junk the verticals are meant to suppress.

By sunset the testing was pretty much wrapped up and it time for some DX'ing before heading home around 8:45 p.m. EDT / 0045 UTC.

Again, as in my last few outings, I fed the output of the phasing unit to a Mini-Circuits ZSC-2-2 splitter and then to my Drake R8A for live listening and to a laptop-controlled SDR-IQ for spectrum capture.

I only took a few notes from the live listening: mostly it directed me to which parts of the dial would be suitable to capture on the SDR-IQ for maximum "interesting stuff" to dig through later.

A minor disappointment was that the top part of the dial (1400 kHz and up) had mediocre propagation: huge signal from Saudi-1521, UAE and Kuwait high-enders fair, some France and Spain in there, but nothing *rare* coming through. I was really gunning for a juiced-up opening with the likes of India-1566 making a showing around 2330 and 0030 UTC with English news, as noted quite a few years ago at the Rowley site. Even though WQEW-1560 and CFAV/WNSH-1570 could be managed reasonably well with the phased verticals, the long-haul prop just wasn't there.

The big action was in the middle of the dial with some cruncher signals from Europe and North Africa between 700 and 1300 kHz early on, and then extending all the way down to 531 kHz once it was completely dark. I have over an hour's worth of SDR-IQ captures (each 190 kHz wide), cumulatively covering the whole AM dial, to slog through over the next week or so. Live listening showed me some channels with potential goodies; one example: likely Qatar on 954 slugging it out with Spain. Latin America was largely absent except for a few of the megablasters like Carupano-1110 (does that thing get out, or what?). There was Brazil on 860 often atop the heap with CJBC easily nulled to oblivion. But, in general, not much from the south.

The antenna testing and DX session kicked off a lot of other ideas for future experiments: things like going back to a pair of whips having built-in amp's, trying zipcord or some other kind of balanced feed instead of the coax cable, etc.

AM List comments on the RFSpace SDR-IQ

What follows below are some comments and impressions of the SDR-IQ Software Defined receiver that appeared recently on the NRC's AM List. More information on the company and the <u>http://www.rfspace.com/prod-ucts.html</u> Also Peter Jernakoff pointed the list to a recent (4/07) review of this device:http://www.uhf-satcom. com/sdr-iq/ - Wayne Heinen

Mark Connelly

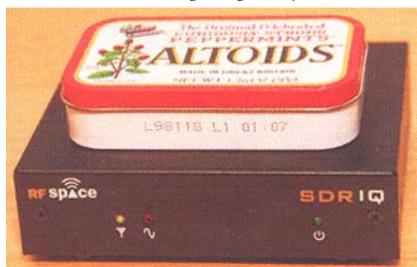
I did a bit more listening with the RFSpace SDR-IQ yesterday. This was my first foray into "RF recording" with it. As I was not sure if the 190 kHz width scan would work, I stuck with 150 kHz wide captures for my first attempts.

When you record spectrum, the output goes to a default file "C:\dualdemod.wav". What I did was to set up a folder "spectravue_wav_files" in the "My Documents" area. I copy each new capture there. Then I rename it according to date, time (UTC), and the frequency span in kHz: e.g. "20070716_2152-2202z_1230-1380.wav".

I suppose that I could append receiving location as well. I felt that the filenames would get too long doing that, however. I could just make subfolders (e.g. Billerica, MA, Rockport ,MA, Cappahayden NL, etc.) as "drop zones" for each site's files.

A ten-minute 150 kHz width file ran about 370 meg and a two minute file checked in at about 76 meg. Top-of-hour is typically the most productive time for ID's, so I expect to be running most of these recordings at T.O.H. +/-3 minutes (xx57 - xx03) with about 222 meg file size or +/-5 minutes (xx55 - xx05) with about 370 meg.

I see the RF recording being an adjunct to live DX'ing on the Drake R8A. A Mini-Circuits splitter



on the output of the phasing unit will send signal to both the R8A and SDR-IQ inputs. "Live DX'ing" audio would be routed to an MP3 recorder.

A typical after-work seashore mini-DXpedition runs a bit over 3 hours so, conceivably, 4 tops-of-hour could be RF-recorded from the SDR-IQ. Around sunset you'd typically work high band and, as it got darker, then do additional scans in decreasing frequency ranges. Four 10-minute captures get us into the 1.5 gigabyte storage requirement range. Include "bottoms-of-hour" (xx25-xx35) and we're up

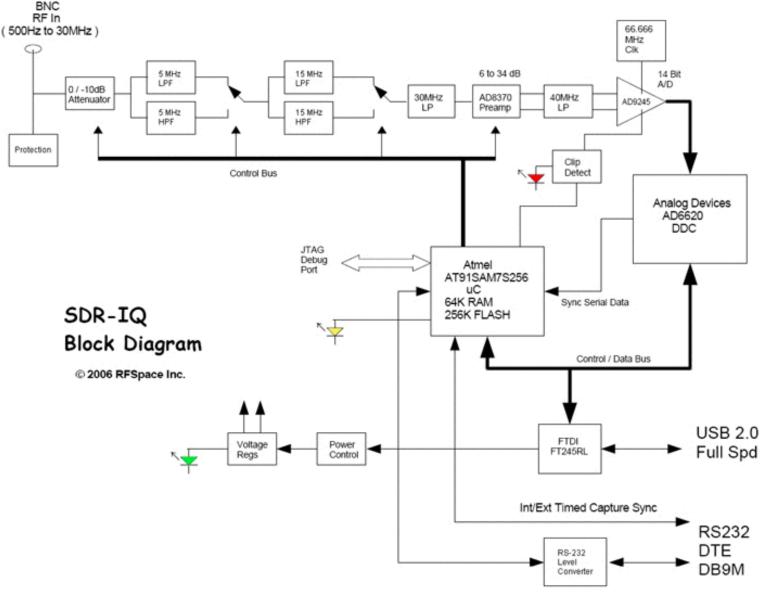


Photo and block diagram courtesy of Universal Radio

around 3 gig. So as long as adequate disk space (I'd say at least 5 gig) was left free and the laptop's battery was well-charged, the SDR-IQ recording from the car could be a go. With pocket-sized 2 gigabyte USB memory sticks coming in at under \$25 now and small USB-powered hard drives of 60+ gig under \$100, storage room on the laptop's own drive may not even be an issue. I suppose shorter "clips" of large RF WAV files can be created after the fact, as one can do with audio in Total Recorder. As far as charged-battery life goes, one could run the laptop from a car power adaptor on longer outings.

Not known yet is the possibility of RFI from the laptop when using antennas mounted on the car. All my home tests were with transformer-coupled outdoor antennas reasonably far from the laptop / SDR-IQ combo.

What I'll do at some point is test out the SDR-IQ car DXpeditioning concept in my own driveway

before dragging the whole set-up out to Granite Pier or the Rowley salt-marsh (just to find that intractable RFI, short battery life, or some other issue makes it a complete waste of time).

You may ask at this point "How did the RF recordings go?" Very well. You can do everything (tune around, tighten or widen filters, change mode from AM to LSB or whatever, etc.). Presumably once the RF has been digitized, more sophisticated software coming along later will add more bells and whistles, such as a good notch filter, to wring yet more out of already-captured spectrum files.

In a 190 kHz wide capture, you can conceivably have 20 stations on 10 kHz channels and 22 stations on 9 kHz channels. At a good coastal site where both 9 and 10 kHz channel stations are present and at comparable strengths, this would give you about 39 channels to monitor (figuring that three of the 9 kHz multiple stations could coincide with 10 kHz channel ones). Even with just 3 or 4 top-of-hour runs of 10 minutes each, that's still a lot of DX to dig through later on.

In the '80s there was VCR RF capture but it was always a dodgy proposition with poor signal-tonoise, unstable recovered frequencies, and lots of AC hum. The scheme didn't fit in where AC power wasn't available. What we have today is a quantum leap from those days. Now we just have to be able to cover a wider bandwidth, i.e. the whole medium wave band, for true "drift net DX'ing".

The WinRadio WR-G313e has a slicker user interface and more features, but only 50 kHz RF recording width ... at a price more than double that of the SDR-IQ. Since regular receivers such as the Drake R8A/R8B and AOR AR7030 are more than equal to the task of regular "manned" DX'ing, what most of us want from SDR is RF recording. That, my friends, is the "killer app" here. Whoever does it best, consistent with high-grade normal receiver parameters such as dynamic range, wins. Especially if the price is right.

Brandon Jordan

I bought a RFSpace SDR-14 earlier this year and have totally fallen in love with this receiver. It has actually become my preferred receiver for seeking out DX, and I have found myself moving to the WinRadio G313/e only when the target has some serious QRM to contend with and I don't feel like fiddling with the FL3 or SCAF-1 filters. The ability to "see" such large chunks of bandwidth in real time and point and click tune to signals, much less record 190 kHz bandwidths, is revolutionary. I haven't had an opportunity to use a SDR-IQ, but with the SDR-14 I have had no problem recording 190 kHz bandwidths with any PC or laptop that I have used to control the receiver. Also of note, at least with the SDR-14, you can still demodulate any signal within the 190 kHz bandwidth while recording. I'm sure this is the same for the SDR-IQ.

When DX'ing from home, I record directly to an external 500 gig Western Digital "The Book" USB drive which will hold approximately 230 full 190 kHz bandwidth 45-minute recordings, which translates to a little over a 7 days worth of recordings. For portability when DX'ing away from home, I picked up a small USB hard drive shell and mounted a 100 gig laptop drive in it. Both of these work flawlessly. I haven't tried recording directly to a USB memory stick, but have doubts that would be optimal. Also, regarding the output files while recording, if you activate the "Chain multiple files with timestamp names" in the Output Setup menu, then the file names of the recordings are automatically appended with the date and time.

Another thing I really like about the SDR-14 is the ease of frequency calibration. My main DX targets are usually tropical band SW stations, and being able to quickly and accurately measure a carrier to the nearest Hz is nice. I usually calibrate the receiver against WWV or a IBOC carrier and find that the frequency accuracy is extremely close to being linear throughout the 30 MHz spectrum. The receiver does require re-calibration every so often, especially if the receiver is exposed to varying temperatures. The visual display of carrier signals is also phenomenal, and much more satisfying than what the WinRadio can display.

It is amazing to be able to drop the FFT settings down to a .21 Hz bandwidth resolution, narrow the display to a 100 Hz span and monitor multiple TA carriers that are just above the noise floor and accurately measure the carriers to the nearest .1 Hz and the signal strength in dB to two decimal places!

That brings me to another outstanding feature, and that is the ease of accurately calibrating the receiver for accurate signal level measurements. I happened to have an Elecraft XG-2 S-Meter Calibrator on hand which I was able to use to calibrate the receiver. Using the 50 uV setting on the XG-2, I found that a setting of -10.1 for FFT Max dB in SpectraVue was perfect. I was pleased to see that the calibration was accurate when setting the XG-2 to the 1 uV setting, and then that the measurements were also accurate on all three output frequencies of the XG-2 (3.6, 7 and 14 mHz) at both amplitude settings.

To sum it up, these RFSpace SDR's are simply amazing. My long-term plan is to purchase a SDR-IQ later this year, and eventually having 3 or 4 total. On DXpeditions these IQ receivers will do nothing but record 190 kHz chunks of spectrum, while I will use the WinRadio for "live" listening and the SDR-14 for monitoring bands of interest. If SpectraVue eventually adds features such as synch mode, IF shift, notch filters, etc to the software then I may even contemplate selling the G313e to fund more RFSpaces :)

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