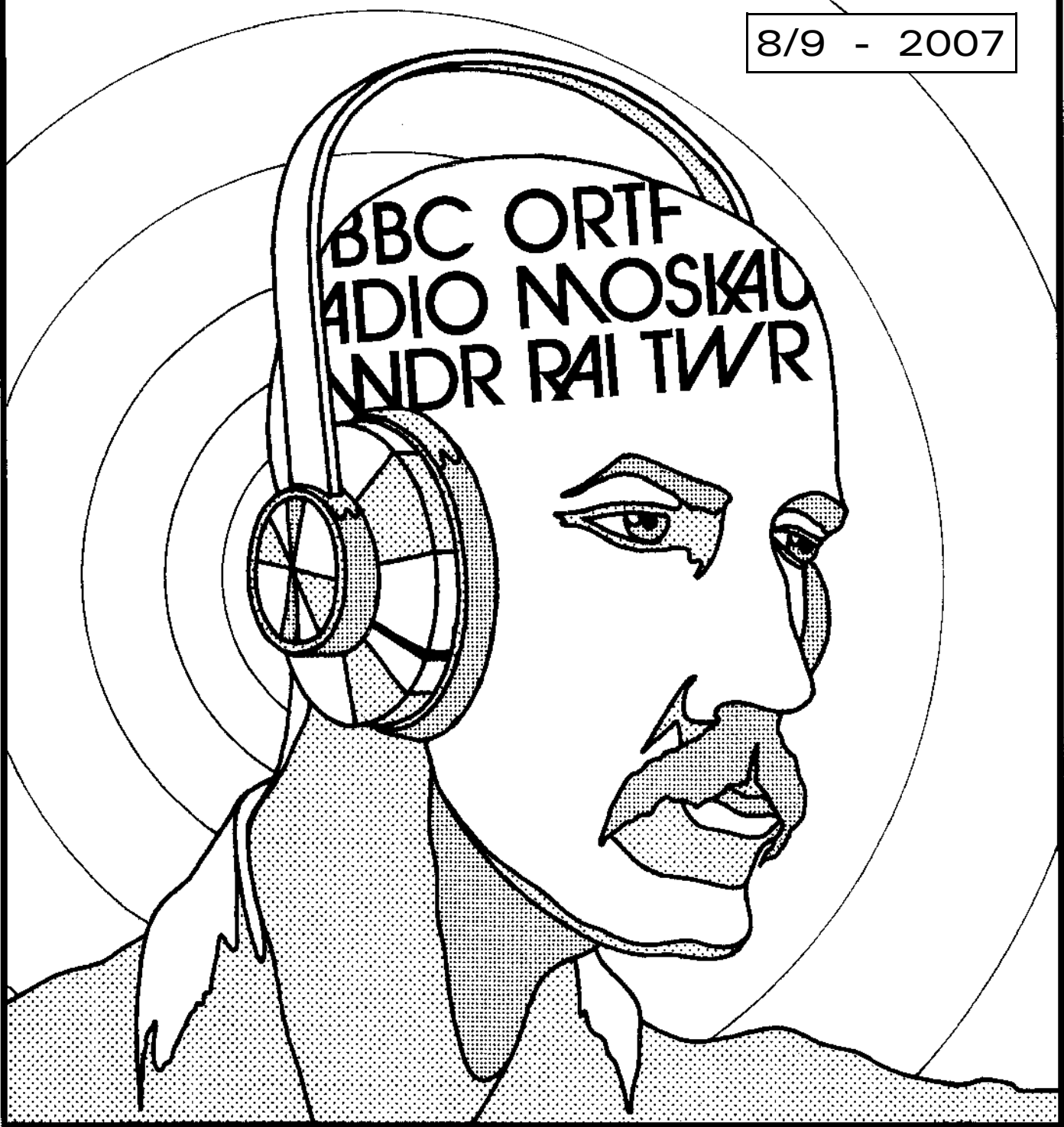


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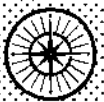
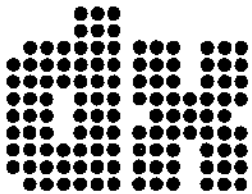
BBC ORTF
ADIO MOSKOU
NDR RAI TV/R



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WORLD WIDE DX CLUB



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- Weekly "TopNews" by Wolfgang Büschel at: <<http://topnews.wwdxc.de>> (available free of charge by E-Mail to our members on request)
- Latest DRM schedule at: <<http://www.wwdxc.de/drm.htm>>

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DX MAGAZINE No. 8/9 ■ Vol. XLII ■ August/September 2007

Hello again,

Welcome to the annual summer double issue of our DX MAGAZINE. Like in the past years you will find our normal monthly sections, some articles, our annual "List of Members", and in addition also the new "LIST OF EDXC RADIO COUNTRIES".

Please remember that our long time QSL EDITOR OM Richard Lemke will quit compiling the **QSL CORNER** section at the end of this year. Therefore we are still looking for a new editor for this section. If YOU are interested and willing to compile the **QSL CORNER** for us from January 1st, 2008, or earlier, please do not hesitate to contact me.

Our NEWS EDITOR Walter Eibl has just updated his **List of English Broadcasts** on our website. Please remember that the the latest version of this list can always be found at <<http://www.wwdx.de/hfe.pdf>> or can be ordered from us free of charge on request. The latest edition of his **List of German Broadcasts** can always be found at <<http://www.wwdx.de/hfd.pdf>>. And now let's start with our usual news from outside the club - this month only one item:

We have received the following mail from John Turner of Saint FM, St. Helena: "Saint FM is one of the worlds smallest FM stations, based here on the Island of St. Helena in the middle of the South Atlantic. Apart from on the island the only way to hear us on FM is DX. I know long FM skips are sometimes possible so would be interested to know where is the furthest that Saint FM has been received on FM. Is that something to which your members might like to respond? The best I know of is about 350 miles out at sea (by myself), but we do receive continental African stations here at times so I know greater distances are possible. I'd be interested to hear about past reception, but also would be happy to cooperate with members who wish to actively seek reception. I could also incorporate it into the programme I present on the station. Please note that the station is also available via Internet streaming, and via relays on Ascension Island and the Falklands, but I am only interested in FM DX from the main transmitter on 93.1 MHz.

Other information that may be useful: TX location: 16 degrees south, 15 degrees 45 minutes west (more specifically, High Knoll Fort, c 1000ft ASL), TX ERP: 250 W, Polarisation: vertical, Broadcasting hours: 24h, Station website: <<http://www.saint.fm>>. Note that Saint FM is an independent radio station; the island's only FM station. It should not be confused with 'Radio St. Helena', the government broadcasting station, which transmits on 1548 kHz and occasionally on Shortwave.

Regards, John Turner, Burgh House, Barren Ground, Blue Hill, St. Helena - postal address: P.O. Box 37, Jamestown, Island of St. Helena, South Atlantic, STHL 1ZZ; Tel: +290 3235 (office +290 2044), E-Mail: <john@burghouse.com>."

And with this best wishes and good DX until October from

NEWS ABOUT BROADCASTING (+other) STATIONS

Walter Eibl · Postfach 15 45 · D-91005 Erlangen · GERMANY

BBC RADIO ORDERED OFF RUSSIAN FM --- THE BBC SAID IT WOULD APPEAL AGAINST THE DECISION

The BBC's Russian-language service will no longer be heard on Russian FM radio, after the country's media regulator ordered that it be removed. The broadcaster's last FM distribution partner in Russia, Bolshoye Radio, said it had been told to remove BBC content or risk being shut down...
<<http://news.bbc.co.uk/1/hi/world/europe/6951710.stm>>

(via Day Say, DXLD; Fred Waterer, dxldyg via DXLD)

BBC Press Release version:

<http://www.bbc.co.uk/pressoffice/pressreleases/stories/2007/08_august/17/moscow.shtml>

BBC RUSSIAN SERVICE OFF THE AIR IN MOSCOW

<<http://www.timesonline.co.uk/tol/news/world/article2277998.ece>>

This incident should ring all firebells at the managers of BBC, VoA, Deutsche Welle, as well as of those political crew in those states. After forcing the media into line within the reach of President Putin it is to force the Russian people not to get any uncensored access to the pernicious influence of those foreign media. Remember: internet censorship may be done with some technical installations (already installed) activated.

That means: only shortwaves can ensure quick and uncensored information from abroad. That means, too: refurbish the cocooned transmitters, save the production of new ones. We don't have a Cold War? Sorry, that is not true: we have a different level and a different site! And I fear that is only the beginning ...

RAMADAN: The Islamic Ramadan will start this year on September 13th and will end on October 11th. Remember that a lot of stations broadcasting from Islamic countries will have extended broadcasting schedules during this time.

73 Walter

NEWS

ALASKA - 7370, KNLS --- While looking for Wantok R. Light [7325], found OC here 18 August around 1033. Noted OC all the way to the ToH. Came back at 1102 and found 2 stations at equal level. VOA in Spanish and KNLS playing soft religious vocal song sounding very much like Meatloaf!! Got KNLS ID call at 1106 after song. KNLS would be decent without the VOA QRM. Tnx Glenn Hauser tip. 73 (Dave Valko, JRC NRD-535D, Hammarlund HQ-129X, Collins R-388, and several portables. Ant: 60 meter T2FD, 60 meter Windom; QTH: Dunlo, PA, USA, HCDX via DXLD)

ANGOLA - 4950, RNA-Canal "A", Mulenvos, 2149-2205, 15 Aug, Portuguese, African songs, news at 2200; 35231. Their signal is almost always marginal despite the new tx, but is 4950 omnidirectional? (Carlos Gonçalves, Portugal, DXLD)

ANGUILLA - Neil Kazaross wrote: "Is Caribbean beacon still on?" Yes, but having technical problems lately on the AM. The 1610 does not simulcast the SW. It is a mix of English and Spanish brokered programming. Before his death, Dr. Gene Scott said the engineers at Caribbean Beacon were a "Bunch of dumbasses". That could explain the technical problems and wrong programming on the wrong transmitters at times. Last night for the first time I heard Cuba on 1610 as well (Kevin Possum Hunter, location unknown but can we guess?, Aug 4, ABDX via DXLD)? Are you sure it wasn't after his death? (gh, DXLD)

ANTARCTICA - LRA 36, San Gabriel, on 15476 at 1907 with Spanish songs. 1930 full ID and info, signal from S point 3 to sometimes S9 peaks. Good audio, at 1943 weaker...1945 S= 0, no audio. RX NRD 545, best antenna longwire 25 m. (Maurits Van Driessche from Belgium, Aug 7, DXLD)

AUSTRALIA - FROM COMMISSION TO CORPORATION: 75 YEARS OF THE ABC

To mark the 75th anniversary of the Australian Broadcasting Corporation, historian Ken Inglis, author of the two-volume history of the ABC, and fellow historian and broadcaster Michael Cathcart, discuss the history of the national public broadcaster. They reflect on the origins of the ABC, its relationship with government, and the role it has played in the cultural and social history of Australia. <<http://www.abc.net.au/rn/hindsight/stories/2007/2000668.htm>>

Radio Australia --- A comprehensive strategy to address the development and security needs of our region has many elements. One critical element is how we represent ourselves to our neighbours.

Labor [sic] believes that Radio Australia has an important role to play, particularly through its regional language programs in getting the message out about what Australia now wishes to do in partnership with the region. For a small investment we can have a great impact - exposing people in neighbouring nations to quality independent broadcasting and to an Australian voice.

It is well documented that Radio Australia's broadcast footprint for its shortwave services have been emasculated by the current government - in large part because of its decision to offload the powerful Cox Peninsula transmitters - and to lease them to an organisation called "Christian Vision".

Radio Australia has also been further emasculated through the slash and burn of its regional language programs. For example the number of Indonesian language specialists working for Radio Australia has been cut in half.

As part of Australia's reengagement with our immediate region, a Federal Labor Government will rebuild Radio Australia. There is so much good that Australia is doing (and more that it could be doing) in the region but we are not getting the message across to local communities. With the downgrading of Radio Australia we have cut off our nose to spite our face.

<<http://www.alp.org.au/media/0707/speloo050.php>>

(from Fresh Ideas for Future Challenges: A New Approach to Australia's Arc of Instability, by Kevin Rudd, Speech to the Lowy Institute, July 5, Australian Labor Party via DXLD)

I heard all 3 transmitters of the NTSS network on all 6 frequencies - all for the first time! 26 July, 1902 UTC, phone-in show about football coaching, on 2485 (SINPO 35333), 2325 (25322), and 2310 kHz (22322). ID as "ABC Darwin" after the 1930 news. A little later I heard them sign off at 2130, and re-appear on 60m: 4835 (SINPO 33333), 4910 (33333) and 5025 kHz (42333) with another news edition (Eike Bierwirth, DX camp in Langenselbold, Central Germany).

AUSTRIA [and non] - Radio Afghanistan got ROI studio equipment. Really old news by now, but probably still of interest:

<<http://www.unhcr.de/aktuell/einzelansicht/browse/5/article/351/unhcr-schickt-radio-studio-nach-afghanistan.html>>

ORF donated studio equipment of the wind-up Radio Österreich International via UNHCR to Radio Afghanistan. There were 35 pieces of equipment, including mics, recorders and consoles. By June 2003 the donated equipment was already in use at Kabul. Material about shortwave broadcasting in Austria, including photos of the Moosbrunn antennas:

<http://members.aon.at/wabweb/radio_a/kurzweille.htm>

Another page about Moosbrunn antennas. The old LP and the double-cone VM's from the sixties are of course still there and in use, but I already wondered what had happened to the old rhombics. Here is the answer: They are still there as well.

<<http://www.wabweb.net/radio/sender/moosbrunn2006a.htm>>

Small photos of control room and transmitters:

<<http://www.oe2.oevsv.at/images/stories/HTML/Moosbrunn.htm>>

Control room:

<http://members.a1.net/oe5expl/af0209/af0902_5.htm>

Antenna matrix switch:

<http://members.a1.net/oe5expl/af0209/af0902_4.htm>

PA tubes:

<http://members.a1.net/oe5expl/af0209/af0902_7.htm>

Left side one of the old 100 kW Telefunken transmitters, right side background one of the new 100 kW Thomson transmitters (?), foreground the 10 kW Continental from Aldrans, stand-by only like the two remaining old transmitters (the other two ones were dismantled in 2000 to make way for the new Thomson's):

<http://members.a1.net/oe5expl/af0209/af0902_8.htm>

Interesting discussion (in German) about the closure of the domestic service relay at Aldrans near Innsbruck on 6000 (discontinued in 1978 it seems), under Austria of course:

<<http://www.worldofradio.com/dxld2117.txt>>

It is widely believed that 6000 had been switched off because it was considered as no longer necessary after the FM network had been expanded, but that's not true. In fact 6000 was meant for listeners in Southern Tyrol. At some point the Italian authorities allowed the creation of Rundfunkanstalt Südtirol which relays ORF and other German-language programming (to my knowledge also ZDF but no ARD for whatever reason), and they required ORF to discontinue the domestic service relay on shortwave to let this happen. Afterwards Aldrans could not be permanently used by the foreign service because the separate audio circuit from Vienna would have been too expensive at this time (Kai Ludwig, Germany, July 29, DXLD)

BAHRAIN - 6010, R Bahrain, 1900, Jul 18, English news headlines mentioned São Paulo air crash, poor under co/channel Belarus but a little less difficult now that adjacent DLR 6005 is silent (Martien Groot, Netherlands, DSWCI DX Window July 25 via DXLD)

BANGLADESH - Dear friends, Received the following message from Bangladesh Betar external service. Please monitor from your end & report directly to Bangladesh Betar, Dhaka. Thanks, (Swopan Chakroborty, Kolkata, India, Aug 2, dxldyg via DXLD)

----- Forwarded message -----

From: Senior Engineer, RRC, BB; Dhaka rrc @ dhaka.net

Government of the Peoples Republic of Bangladesh

Research & Receiving Centre

Bangladesh Betar

121, Kazi Nazrul Islam Avenue

Shahbag, Dhaka-1000, Bangladesh.

Tel : +880-2-862-5538 Fax : +880-2-861-2021

E-mail : rrc @ dhaka.net URL : <<http://www.betar.org.bd>>

Dear Listener, Thanks and warm greetings from Research & Receiving Centre on behalf of Bangladesh Betar. We really appreciate your interest on tuning our SW frequency and all of you are welcome to enjoy our SW programmes. For your kind notice, We would like to inform you that recently we have brought some changes in our broadcasting time-frame and frequency for External and Home service programmes. At present, we have three SW transmission frequencies. You can reach our external service programmes at frequencies 7250 and 9550 kHz and home service programmes at 4750 kHz. Please monitor our time and frequency schedule for External and Home service programmes as shown below:

*Shortwave Transmission (External Service) ***

English (General Overseas Service)	1230-1300	S & SE Asia	7250	
Nepalese Service	1315-1345	Nepal	7250	
Urdu Service	1400-1430	Pakistan	7250	
Hindi Service	1515-1545	India	7250	
Arabic Service	1600-1630	Middle East	7250	
Bengali Service	1630-1730	Middle East	7250	9550
English (Voice of Islam)	1745-1815	Europe	7250	9550
English (General Overseas Service)	1815-1900	Europe	7250	9550
Bengali Service	1915-2000	Europe	7250	9550

You are requested to monitor these frequencies for the time being and report us accordingly. Thanks in anticipation. With best regards, (Mahesh Chandra Roy), Senior Engineer, Research & Receiving Centre Bangladesh Betar (via Patrick Robic, Austria; Swopan Chakroborty, India, dxldyg via DXLD)

Bhutan - Bhutan Broadcasting Service Corporation inaugurated the new 100 kilowatt THOMSON TSW 2100D DRM short wave radio transmitter on 10th August, 2007.

The inaugural ceremony of the installation of the new transmitter was attended by the Indian Ambassador to Bhutan, Sudhir Vyas. Also present were the Information and communications minister, Lyonpo Leki Dorji and other government officials.

Addressing the gathering, the information and communications minister Lyonpo Leki Dorji said Bhutan being a mountainous country with rugged terrain, isolated and inaccessible settlements and far flung communities, BBS radio remains the most powerful medium to inform, educate and entertain the masses.

Speaking at the function, the Managing Director of the Bhutan Broadcasting Service Corporation, Mingbo Dukpa said Radio and TV are powerful tools of communication. He said any development to further enhance the capacity of the broadcast media marks an important milestone in the development of the country.

BBS radio has come a long way since it was established as an amateur radio station in 1973. BBS Radio today broadcast 100 hours of News and Programs in 4 languages in a week.

The short wave transmitter was installed with financial support from the Indian Government.

This DRM capable 100 kW transmitter was installed in Sangaygang, 2660 meters above sea level and test transmissions were already going on. One of the station engineer informed that transmitter was not being operated on DRM mode due to problem with the RF Exciter. However the same has been rectified and they are having occasional DRM tests during txn b/down times with power output of only 25 watts. (Related links: <<http://www.transmitter.be/tbm-tsw2100d.html>>)

(Via Alokesh Gupta, New Delhi, India and Mukesh Kumar, The Cosmos Club, Muzaffarpur, India)

BULGARIA - 9900, Radio Varna, 2050-2125+, August 5, Tune-in to Euro-pop & US pop music. National Anthem at 2100 followed by news in Bulgarian. Radio Varna ID jingle at 2109, followed by US pop music of the 50s & talk. Fair to good signal. Sunday only (Brian Alexander, PA, DXLD)

CANADA - CFCX 6005 Montreal closed several years ago, as did CHNX 6130 Halifax.

CFRX 6070 Toronto has been off for more than a year, but is supposedly going to resume once CFRB can get around to repairing it. Not holding breath.

CFVP 6030 Calgary is still on, relaying CKMX 1060. I hear it occasionally with 100 watts when Cuban jamming and Marti are off. (Mon 0300-0900 UT), or maybe after 1200 when skywave is still working.

CKFX 6080 Vancouver was 10 watts, a great DX target. Off for years, not worth repairing by CKWX. But just a few months ago they got around to turning in the license.

CBC is still running CKZU Vancouver and CKZN St John's both on 6160 and both often heard, the latter often with Goose Bay programming relayed back to Labrador.

That does if for non-RCI usage of 6 MHz band. Unfortunately none of these stations get any respect from the US or other countries which feel free to usurp their long-established frequencies. 6070 has CVC Chile on it most of the [night]time. 73, (gh, DXLD)

CENTRAL AFRICAN REPUBLIC - Dear Mr Mbami, I have heard about Radio ICDI some months ago being on the air. However, I have seen no recent reports of it. Could you please confirm whether or not Radio ICDI has been or is currently on the air on 6030 kHz, or another frequency? And at what hours? Thanks, (Glenn Hauser, WORLD OF RADIO to Josue Mbami, Radio ICDI, via DXLD)

Dear Glenn,

1. Yes, I confirm this information about Radio ICDI.

2. We work on 6030 kHz at 6:00 to 9:00 AM and 05:00 to 08:00 PM [0500-0800 & 1600-1900 UT]

3. Radio ICDI use now French, Sango, Ffulde, Bayaka languages.

4. We are looking for financial aids to support our workers because we need to add supplementary hours to the old ones.

5. CAR population appreciate very much Radio ICDI program and all country hears our radio now.

Thanks, (Josue Mbami, Radio ICDI, Coordinator, Central African Republic, August 7, DXLD)

So our best (only) chance to hear Boali in NAm remains at *0500 UT Mondays, when Cuban jamming and Marti are in truce, but then CFVP and who knows what else are the obstacles. Of course that is close to local sunrise in CAR, so the window won't last long, but being almost equatorial, varies little during the year (Glenn Hauser, OK, DXLD)

CHAD - 6165, Radiodiffusion Nationale Tchadienne, N'Djaména, 2209-2230*, 20 Aug, French, newscast, African songs program, announcements, national anthem; 53443, QRM de HRV (Carlos Gonçalves, Portugal, DXLD) [and non]. Three stations heard on 6165 from 2157 UT onwards, Aug 21:

1 - when noted the Croatian National Anthem till 2159 UT, into Croatian news, but lost Deanovec in DEAD ZONE fade out at around 2211 UT.

2 - and heard endless monologue by French male announcer, seemingly Chad.

3 - and a tiny weak station under threshold, seemingly CR6 Beijing or Hanoi? (wb)

CHINA [non] - 6280, TAIWAN: Sound of Hope, via Tanshui, Ch, 27/07 2216. YL: talks, forte jamming, 12511 (Rudolf Grimm, Brasil, via DXLD)

Unlike the other OOB frequencies, this one is allegedly 300 kW, same transmitter as used for WYFR relay in the evening, per Aoki Aug 5; SOH only on UT Fri & Sat:

6280*Xi Wang Zhi Sheng SOH 2200-230067 Chinese 300 325 Tanshui TWN 12125E2511 SOH a07

6280*Xi Wang Zhi Sheng SOH 2300-240067 Chinese 300 325 Tanshui TWN 12125E2511 SOH a07

6280 FAMILY RADIO 1500-1600 1234567 English 300 285 Tanshui TWN 12125E2511 WYFR a07

6280 FAMILY RADIO 1600-1700 1234567 Hindi 300 285 Tanshui TWN 12125E2511 WYFR a07

(Glenn Hauser, DXLD)

CROATIA - 6165, 9.7 1400, Radio Rijeka (Radio Fiume in Italian) with news in Italian via Hrvatski Radio. At 1430 a transmission from Radio Herzeg-Bosne [= Bosnia-Herzegovina?] was heard. S 4. QSL: Radio Rijeka, Croatia-6165. Short e-mail reply from the editorial staff from when I heard their Italian program via Hrvatski Radio. I saw a

small sign on a house with the name of the station in the little town of Opatija and this was commented in the reply: "That house is place where we started our life story in the 1954". BEFF (Björn Fransson, Sweden, SW Bulletin July 22, translated by editor Thomas Nilsson for DX LI9STENING DIGEST)

Indeed Bosnia-Herzegovina, in particular Hrvatski Radio Herceg-Bosne from Mostar. Glas Hravtske also relays 1630-1700 the Hungarian programme of Radio Osijek (in this case also with an AM //, their own 1557 outlet). (Kai Ludwig, Germany, Aug 3, DXLD)

6165, Croatian Radio-Voice of Croatia, 2215-2230, August 17, English programming with IDs. "Croatia Today" news program. Sports news, weather. Program about cultivating lavender. Local music at 2228. Spanish at 2230. Weak with co-channel QRM. Much stronger on // 9925 via Germany.

[non]. (via Germany). 9925, Croatian Radio-Voice of Croatia, 0200-0213, August 18, English "Croatia Today" news program, which was a repeat of the 2215 broadcast. Local music at 0213. Good signal. Listed // 6165 not audible due to Radio Nederland-Sines dominating frequency (Brian Alexander, PA, DXLD)

6165, Croatian Radio-Voice of Croatia, 0600-0604, August 19, Four minute English program with IDs, news, sports, & weather. Poor with co-channel QRM. Much stronger on // 9470 via Germany (Brian Alexander, PA, DXLD)

DJIBOUTI - 4780, Radiodiffusion-Télévision de Djibouti, Doraleh, 1635-1704, 15 Aug, Arabic related Vernacular, seemingly talks about the Koran, local songs & newscast at 1700; 25433. Rated 55343 on 13 Aug at 1838 (Carlos Gonçalves, Portugal, DXLD)

ERITREA - 7180, Voice of the Broad Masses, Asmara, August 23, 1600, Afar (?) ID on clear frequency until co-channel RAI appeared 1627. First day on this NF for evening period presumably to avoid jamming on 7175. By the way, Mariah Carey (it's definitely her) noted there again that same day at 1636 with "Vision of Love" rather than "Picture of you" (Martien Groot, Schoorl, Netherlands, Aug 24, DXLD)

ETHIOPIA - Radio Ethiopia was heard in Somali on 26 July, 12.22 UTC on both frequencies in parallel: 7165.0 and 9560.6 kHz, with SINPO 32432 and 33322. It was heard again on 28 July at 1358 UTC, now on 9560.3, listed as Afar language, which may well be so to the sound of it, then at 1400 heard their IS and then the Arabic program, SINPO 32422 (Eike Bierwirth, Langenselbold/DL via DXLD DIGEST)

Thanks to a tip from Carlos Gonçalves in DXLD 7-087, subsequently also confirmed by Mauno Ritola, Radio Ethiopia's domestic service (5990/7110/9704.2) is now being heard with English at 1430. A friend in East Africa this past week confirmed that this is not an additional English prog, but a replacement for the 1030 English, which is no longer aired. 1430 is a better time for listeners in Europe to catch it, especially as sunset draws earlier. This is quite separate to the external service (7165/9560), with English at 1600-1700.

I can't remember if I have already reported this to DXLD, but the external service has added an extra Somali broadcast at 1800-1900, in addition to the one at 1200-1300 (Chris Greenway, England, Aug 11, dxldyg via DXLD)

EQUATORIAL GUINEA - 5005, RNGE, Bata once again, this time to report on what I said it would be happening with their transmitter: 2048- 26 Jul, Spanish/vernacular, talks; cf. 14 Jul 2220 UT report; audio is nil or extremely weak & distorted; 55333 which, of course, just reflects the signal quality abstracted from its audio component (Carlos Gonçalves, Portugal, DXLD)

FRANCE [non] - RFI, 15160 G in French about Sénégal; just squeezed out an ID in passing Aug 10 at 1359 before cut off abruptly at 1359:30. Don't recall noticing this transmission before, but it's on the schedule as via RSA, as well as the English hour at 1600 on exactly the same beam favorable for us, spelt U-S:

15160 1200 1400 46SE, 47SW, 52 MEY 250 328 D French AFS RFI TDF

15160 1600 1700 37S, 46, 47W, 52N MEY 250 328 D English AFS RFI TDF

(Glenn Hauser, OK, DXLD)

GABON - 4777.00, *0456, R Gabon, Moyabi Aug 15, Transmitter switched on at 0456 and French programming beginning at 0459 with repeated announcements by woman over musical instrument. News read by man from 0501 to 0511, then back to female announcer playing lively African vocals between announcements and TCs with many mentions of Radio Gabon. Initial noisy S7 signal rapidly improved to very good S9+10 by 0509 sunrise at transmitter and lasting until 0523 before slowing starting to fade. The carrier did not drop below the noise floor until 0757 UT (Brandon Jordan, Memphis TN, gleanings from overnight 190 kHz RFSpace SDR-14 recordings, dxldyg via DXLD)

GERMANY - BERLIN 6005 KNOCKED OFF BY FIRE

A fire at the Berlin-Britz station severely damaged the transmitter which carried Deutschlandradio Kultur on 6005. It remains to be seen if and when the transmitter can be reactivated:

<<http://www.dradio.de/dkultur/sendungen/dkultur-mw-lw/647187/>>

Harald Kuhl called up Deutschlandradio and got the damage specified as 100,000 Euro. It is subject of a management decision if this rather expensive repair will be carried out.

The affected transmitter is a Telefunken S4001 without the fast tuning components. Back in 1995 this transmitter stood next to an S4002 (100 kW mediumwave, aux) and a S4003 (300 kW / 990 kHz). Probably these tube transmitters were since then removed to make way for the current 855 and 990 solid state transmitters (25 and 100 kW, respectively), probably they are still there and were damaged as well. Anyway mediumwave transmissions are not affected, there is the usual DRM hiss on 855 and 990 is on as well (at 2040 check relaying ZDF TV audio // 177 as scheduled). The 6190 transmitter sits in another building and is thus not affected as well.

I would say that it should not be entirely ruled out that 6005 will rise from ashes (pardon me), since Deutschlandradio engineering got an allowance to order spare parts for this transmitter as recently as in last January. Otherwise it only remains to be seen how much life is left in the 1950 vintage transmitter, still relaying Deutschlandfunk on 6190 after it just barely escaped a looming shut-down back in 2003. (Kai Ludwig, July 19, dxldy via DX LISTENING DIGEST)

GERMANY - Summer A-07 DTK T-Systems Media & Broadcast.

IBC Tamil Radio:

0000-0100 7115 WER 250 kW / 105 deg to SoAs Tamil

Voice of Croatia in Croatian/English/Spanish:

0100-0500 9925 NAU 125 kW / 270 deg to NoAmWe

0400-0700 9470 WER 125 kW / 240 deg to NZ

0600-1000 11610 JUL 100 kW / 270 deg to AUS

2200-0300 9925 WER 125 kW / 240 deg to SoAm

2300-0300 9925 WER 125 kW / 300 deg to NoAmEa

Athmee Yatra He/Gospel For Asia (GFA):

0030-0130 9435 WER 250 kW / 090 deg to SEaAs SE Asian langs

1330-1430 13860 WER 250 kW / 075 deg to SEaAs SE Asian langs

1430-1530 13745 WER 250 kW / 075 deg to SEaAs SE Asian langs

1530-1630 13750 WER 250 kW / 090 deg to SEaAs SE Asian langs

2330-0030 9680 WER 250 kW / 075 deg to SEaAs SE Asian langs

Radio Free Asia (RFA):

0100-0300 11975 WER 500 kW / 075 deg to SEaAs Tibetan

Voice of Russia (VOR):

0200-0300 9515 WER 250 kW / 300 deg to NoAm Russian WS

0300-0500 9515 WER 250 kW / 300 deg to NoAm English WS

1400-1500 15430 JUL 100 kW / 115 deg to ME Russian "Commonwealth"

2200-2300 6145 WER 125 kW / 105 deg to ME Arabic

Radio Liberty (RL):

0200-0330 9510 WER 250 kW / 105 deg to WeAs Persian Radio Farda

0400-0500 15255 WER 250 kW / 105 deg to WeAs Persian Radio Farda

1200-1300 15565 WER 250 kW / 060 deg to EaEu Russian

1500-1700 9725 JUL 100 kW / 050 deg to EaEu Belorussian

1600-1700 9445 WER 250 kW / 060 deg to EaEu Russian

1600-1700 13815 WER 250 kW / 075 deg to CeAs Turkmen

1700-1900 7105 WER 250 kW / 105 deg to WeAs Persian Radio Farda

1900-2000 9805 WER 250 kW / 060 deg to CeAs Tatar Bashkir

Adventist World Radio (AWR):

0300-0330 9545 WER 250 kW / 135 deg to EaAf Oromo

0300-0400 9815 WER 250 kW / 135 deg to EaAf Tigrigna/Amharic

0500-0600 5965 WER 100 kW / 120 deg to EaEu Bulgarian

0700-0830 11980 JUL 100 kW / 200 deg to NoAf Arabic/Arabic/Tachelhit

0800-0900 15260 JUL 100 kW / 200 deg to NoAf French/Tachelhit

0900-1000 9790 JUL 100 kW / 115 deg to SoEu Italian Sun

1200-1300 15435 WER 250 kW / 090 deg to SoAs English/Bangla

1300-1330 15320 WER 250 kW / 075 deg to EaAs Chinese Mon-Fri

1300-1330 15320 WER 250 kW / 075 deg to EaAs Uighur Sat/Sun

1330-1500	15320	WER	250 kW / 075 deg	to EaAs	Chinese
1500-1600	15160	WER	250 kW / 090 deg	to SoAs	Punjabi/Hindi
1500-1600	15225	WER	250 kW / 075 deg	to SoAs	Nepali/English
1630-1700	17575	WER	250 kW / 135 deg	to EaAf	Somali
1730-1800	11780	JUL	100 kW / 200 deg	to NoAf	Kabyle
1730-1800	17575	WER	250 kW / 135 deg	to EaAf	Oromo
1900-1930	15205	JUL	100 kW / 190 deg	to CeAf	Fulfulde
1900-2030	11730	JUL	100 kW / 200 deg	to NoAf	Arabic/Tachelhit/French
1900-2030	15260	JUL	100 kW / 200 deg	to NoAf	Arabic/Arabic/French
2000-2030	9770	WER	250 kW / 105 deg	to WeAs	Persian
2000-2030	15235	JUL	100 kW / 160 deg	to SoAf	English
2000-2100	11755	JUL	100 kW / 175 deg	to WeAf	French/Yoruba
2030-2100	9565	JUL	100 kW / 200 deg	to NoAf	Chinese

CVC International (till July 31 - prolonged to?)

0500-0600	9430	WER	125 kW / 180 deg	to WeAf	English
0600-0900	15640	WER	125 kW / 180 deg	to WeAf	English
1500-1800	15715	WER	125 kW / 180 deg	to WeAf	English
1800-2100	13820	WER	125 kW / 180 deg	to WeAf	English

Polish Radio External Service

1030-1100	7285	NAU	100 kW / 100 deg	to EaEu	Polish
1030-1100	11915	WER	100 kW / 300 deg	to WeEu	Polish
1100-1130	13745	WER	100 kW / 060 deg	to EaEu	Russian
1100-1130	13840	WER	100 kW / 090 deg	to EaEu	Russian
1130-1200	5965	JUL	100 kW / 125 deg	to WeEu	German
1130-1200	5975	WER	100 kW / 040 deg	to WeEu	German
1200-1300	9525	WER	100 kW / 300 deg	to WeEu	English
1200-1300	11850	NAU	100 kW / 000 deg	to WeEu	English
1300-1330	11835	WER	100 kW / 060 deg	to EaEu	Russian
1300-1330	13800	WER	500 kW / 060 deg	to EaEu	Russian
1330-1430	6035	WER	100 kW / 060 deg	to EaEu	Belorussian
1330-1430	7180	WER	100 kW / 060 deg	to EaEu	Belorussian
1430-1500	6000	WER	100 kW / 075 deg	to EaEu	Ukrainian
1430-1500	7180	WER	100 kW / 045 deg	to EaEu	Russian
1500-1530	9440	WER	100 kW / 075 deg	to EaEu	Ukrainian
1500-1530	9555	WER	100 kW / 075 deg	to EaEu	Ukrainian
1530-1600	5975	WER	100 kW / 040 deg	to WeEu	German
1530-1630	6050	WER	100 kW / 055 deg	to EaEu	Polish
1630-1700	6050	WER	100 kW / 055 deg	to EaEu	Belorussian
1700-1800	7140	JUL	100 kW / 020 deg	to NoEu	English
1700-1800	7265	WER	250 kW / 300 deg	to NoEu	English
1800-1830	6140	WER	100 kW / 075 deg	to EaEu	Russian
1800-1830	9695	WER	100 kW / 120 deg	to EaEu	Hebrew
1830-1900	6145	WER	100 kW / 075 deg	to EaEu	Ukrainian
1830-1900	6175	WER	100 kW / 075 deg	to EaEu	Ukrainian
1900-1930	5910	WER	100 kW / 075 deg	to EaEu	Ukrainian
1900-1930	6050	WER	125 kW / 090 deg	to EaEu	Russian
1930-2000	6110	WER	100 kW / 040 deg	to WeEu	German
1930-2000	6140	JUL	100 kW / 130 deg	to WeEu	German
2100-2200	6135	WER	110 kW / 055 deg	to EaEu	Polish
2100-2200	7140	NAU	250 kW / 220 deg	to WeEu	Polish

Brother Stair/The Overcomer Ministries (TOM):

1100-1200	6110	JUL	100 kW / 290 deg	to WeEu	English 1st Sun
1200-1500	6110	JUL	100 kW / 290 deg	to WeEu	English
1400-1600	13810	JUL	100 kW / 115 deg	to WeAs	English
1900-2100	6175	NAU	100 kW / 280 deg	to WeEu	English

Radio Romania International (RRI):

1400-1430	9600	WER	060 kW / 300 deg	to WeEu	English DRM
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Voice of America (VOA):

1630-1800 6040 WER 250 kW / 105 deg to WeAs Persian
 1700-1830 9760 WER 250 kW / 105 deg to WeAs Persian
 1730-1800 7235 WER 250 kW / 090 deg to CeAs Azeri
 1730-1800 13870 WER 250 kW / 150 deg to EaAf Afan/Oromo Mon-Fri
 1800-1845 9875 WER 250 kW / 150 deg to EaAf Amharic

HCJB Global:

1700-1800 6015 WER 100 kW / non-dir to WeEu German

Voice of Oromo Liberation (Sagalee Bilisummaa Oromoo):

1700-1800 13830 JUL 100 kW / 145 deg to EaAf Oromo

IBRA Radio:

1730-1800 11915 JUL 100 kW / 145 deg to EaAf Swahili
 1730-1800 15600 WER 125 kW / 145 deg to EaAf Somali
 1800-1900 13840 WER 250 kW / 150 deg to CeAf Arabic/Sara/Gambai/Zaghawa
 1900-2045 9675 JUL 100 kW / 190 deg to WeAf Hausa/French/Fulfulde/Bambara
 2000-2030 9840 JUL 100 kW / 175 deg to NoAf Arabic

Democratic Voice of Burma (DVOB):

2330-0030 9490 WER 125 kW / 075 deg to SEaAs Burmese

WYFR (Family Radio):

to West Europe

1700-1800 3955 WER 100 kW / non-dir German

to East Europe

1700-1900 9505 WER 500 kW / 060 deg Russian
 1800-1900 11730 JUL 100 kW / 100 deg Romanian

to South Asia

1300-1500 15350 WER 500 kW / 075 deg Bengali
 1500-1600 13830 WER 500 kW / 075 deg Gujarati
 1500-1600 13840 WER 500 kW / 075 deg Punjabi
 1600-1800 11730 WER 500 kW / 075 deg Punjabi
 1500-1800 12020 WER 500 kW / 075 deg Urdu
 1300-1400 15640 WER 500 kW / 090 deg Marathi
 1300-1400 15670 WER 500 kW / 090 deg English
 1400-1600 15670 WER 500 kW / 090 deg Hindi
 1400-1500 15715 WER 500 kW / 090 deg Kannada
 1400-1500 15370 WER 500 kW / 090 deg Telugu
 1500-1600 15370 WER 500 kW / 090 deg Tamil
 1600-1800 11680 WER 500 kW / 090 deg Hindi

to Middle East

1600-1700 11870 WER 500 kW / 105 deg Persian
 1600-1800 9925 JUL 100 kW / 115 deg Turkish
 1600-1700 13620 WER 500 kW / 120 deg Arabic
 1700-1800 11875 WER 500 kW / 120 deg Arabic
 1800-1900 11855 WER 500 kW / 120 deg Arabic
 1900-2000 9495 WER 500 kW / 120 deg Arabic
 2000-2100 9705 WER 125 kW / 120 deg Arabic

to East Africa

1600-1900 13630 WER 500 kW / 135 deg English
 1800-1900 13830 WER 500 kW / 135 deg Amharic
 1600-1700 15650 WER 500 kW / 135 deg English
 1500-1600 15750 WER 500 kW / 150 deg English
 1600-1700 15750 WER 500 kW / 150 deg Amharic
 1700-1800 15750 WER 500 kW / 150 deg Swahili
 1800-1900 15750 WER 500 kW / 150 deg English

to North Africa

1700-1800 13840 JUL 100 kW / 175 deg Arabic
 1800-1900 11600 WER 500 kW / 150 deg Arabic
 1900-2000 7180 WER 500 kW / 150 deg Arabic

2000-2100 9735 WER 500 kW / 150 deg Arabic
 2100-2200 5915 WER 500 kW / 150 deg Arabic
 to Central Africa
 1600-1700 15705 WER 500 kW / 165 deg English
 1800-1900 13730 WER 500 kW / 165 deg English
 to South Africa
 1900-2200 9610 WER 500 kW / 180 deg English
 2200-2300 9620 WER 500 kW / 180 deg English
 1900-2000 11610 WER 500 kW / 180 deg French
 2000-2100 9595 WER 500 kW / 180 deg French
 2100-2200 9720 WER 500 kW / 180 deg French
 to West Africa
 2000-2100 11895 WER 100 kW / 195 deg French
 2200-2300 9720 WER 500 kW / 195 deg French
 1900-2000 13780 WER 500 kW / 210 deg French
 2000-2200 11610 WER 500 kW / 210 deg Arabic
 2200-2300 7115 WER 500 kW / 210 deg Arabic

Trans World Radio (TWR):

0530-0545 6130 JUL 100 kW / 100 deg Mon-Fri CeEu Slovak
 0830-0845 6105 JUL 100 kW / 105 deg Tue-Sat CeEu Hungarian
 0830-0845 7210 JUL 100 kW / 100 deg Tue-Sat CeEu Hungarian
 1030-1100 9490 JUL 100 kW / 100 deg Sat CeEu Slovak
 1030-1100 7225 JUL 100 kW / 105 deg Sat CeEu Slovak

Radio Luxemburg:

0530-1630 5990 WER 090 kW / 270 deg Mon/Tue WeEu French DRM
 0530-1730 5990 WER 090 kW / 270 deg Wed WeEu French DRM
 0530-1630 5990 WER 090 kW / 270 deg Thu/Fri WeEu French DRM

Christian Science Sentinel:

0900-1000 6055 JUL 100 kW / 115 deg Sun CeEu German
 1800-1900 9585 JUL 100 kW / 070 deg Sat EaEu Russian

Evangelische Missions Gemeiden:

1030-1100 6055 WER 125 kW / non-dir Sat/Sun CeEu German
 1100-1130 13710 WER 250 kW / 035 deg Sat FE Russian
 1500-1530 11615 WER 250 kW / 060 deg Sat EaEu Russian

Missionswerke Arche Stimme des Trostes

1100-1115 5945 WER 250 kW / non-dir Sun CeEu German

Mecklenburg Verpommern Baltic Radio:

1200-1300 6045 JUL 100 kW / non-dir 1st Sun WeEu German

Radio Traumland:

1300-1430 5945 JUL 100 kW / non-dir Sun WeEu German

Radio Huriyo:

1630-1700 11640 JUL 100 kW / 130 deg Tue/Fri EaAf Somali

Voice of Oromiya Independence:

1700-1730 15650 WER 125 kW / 135 deg Sat EaAf Oromo/Amharic

Voice of Democratic Eritrea Int.

1700-1800 15315 JUL 100 kW / 125 deg Thu EaAf Tigrinya/English

Radio Reveil Paroles de Vie:

1830-1845 15675 JUL 100 kW / 160 deg Tue/Thu SoAf French

Voice of Ethiopian Unity-Ethiopian Forum for Democracy:

1900-2000 9480 WER 100 / 135 deg Wed/Fri/Sun EaAf Amharic

Radio República:

2300-0400 5910 WER 100 kW / 285 deg Mon-Fri CeAm Spanish

Pan American Broadcasting (PAB):

2000-2030 9430 WER 250 kW / 150 deg Fri NoAf English
 1930-2030 9430 WER 250 kW / 150 deg Sat NoAf English
 1930-2015 9430 WER 250 kW / 150 deg Sun NoAf English
 0030-0045 9640 WER 125 kW / 090 deg Sun SoAs English
 1401-1416 15205 NAU 100 kW / 090 deg Sun SoAs English
 1416-1431 15205 NAU 100 kW / 090 deg Daily SoAs English
 1431-1446 15205 NAU 250 kW / 090 deg Sun SoAs English
 1401-1416 15205 NAU 250 kW / 104 deg Tue/Thu CeAs Armenian
 1401-1416 15205 NAU 250 kW / 090 deg Sat ME Persian
 1600-1630 13830 JUL 100 kW / 100 deg Thu ME Persian
 1545-1630 13830 JUL 100 kW / 100 deg Sun ME English
 1431-1446 15650 JUL 100 kW / 090 deg Sun ME English

Last minutes changes:

Minivan (Independent) Radio again on air from August 1, 2007:

1600-1700 11965 JUL 100 kW / 090 deg Daily SoAs Dhivehi
 [this item via WORLD OF RADIO 1369]

Bible Voice Broadcasting Network to SoAs from August 15, 2007:

1500-1600 15140 WER 250 kW / 090 deg Mon/Thu/Fri Bengali, ex 15530
 1530-1600 15140 WER 250 kW / 090 deg Tue Hindi, ex 15530
 1515-1600 15140 WER 250 kW / 090 deg Wed Hindi, ex 15530
 1500-1515 15140 WER 250 kW / 090 deg Sat Hindi, ex 15530
 1500-1530 15140 WER 250 kW / 090 deg Sun Bengali, ex 15530

(DX Mix News, Bulgaria)

Bible Voice Broadcasting Network (BVBN):

to West Europe

0700-0815 5945 WER 100 kW / 300 deg Fri/Sat English
 0700-0915 5945 WER 100 kW / 300 deg Sun English
 0815-0845 9655 WER 040 kW / 300 deg Sat English DRM
 1200-1230 5945 WER 040 kW / non-dir Sun English DRM
 1800-1830 9435 JUL 100 kW / 220 deg Sun Spanish

to East Europe

1800-1830 6015 JUL 100 kW / 085 deg Thu Ukrainian/English
 1800-1830 6060 JUL 100 kW / 060 deg Tue/Fri Russian
 1815-1830 6060 JUL 100 kW / 060 deg Mon English
 1815-1830 6060 JUL 100 kW / 060 deg Wed Russian
 1815-1845 6060 JUL 100 kW / 060 deg Thu Russian
 1800-1845 6060 JUL 100 kW / 060 deg Sat English
 1800-1930 6060 JUL 100 kW / 060 deg Sun English/Russian/English

to West Africa

1900-2000 9775 WER 125 kW / 195 deg Sat English

to Central Africa

1845-2000 9775 JUL 100 kW / 160 deg Sun English
 1630-1730 15495 JUL 100 kW / 145 deg Daily Nier/Dinka

to North Africa

0430-0530 13810 WER 250 kW / 120 deg Mon-Thu Arabic
 0430-0545 13810 WER 250 kW / 120 deg Fri Arabic
 2000-2030 9665 NAU 250 kW / 145 deg Thu Arabic
 0900-1015 17595 WER 125 kW / 135 deg Fri Arabic

to East Africa

0430-0530 13810 WER 125 kW / 135 deg Sat Amharic
 0430-0500 13810 WER 125 kW / 135 deg Sun Amharic
 1600-1700 13810 NAU 100 kW / 145 deg Wed Amharic
 1630-1700 13810 NAU 100 kW / 145 deg Thu-Tue Amharic
 1700-1800 13810 NAU 100 kW / 145 deg Daily Tigrinya/Amharic
 1800-1900 13810 NAU 100 kW / 145 deg Fri/Sun Somali

1800-1830	13810	NAU	100	kW	/	145	deg	Sat	Somali
1530-1600	15775	JUL	100	kW	/	130	deg	Wed	Tigrinya
to Middle East									
2300-0100	6140	WER	100	kW	/	105	deg	Thu-Fri	English
1615-1730	9430	JUL	100	kW	/	115	deg	Mon/Wed	Arabic
1615-1730	9430	WER	100	kW	/	120	deg	Fri	Arabic
1700-1730	9430	WER	100	kW	/	120	deg	Tue/Thu	Arabic
1700-1800	9430	WER	100	kW	/	120	deg	Sat	English
1630-1800	9430	WER	100	kW	/	120	deg	Sun	English
1800-1900	9430	WER	250	kW	/	120	deg	Sat/Sun	English
1830-1900	9430	WER	250	kW	/	120	deg	Fri	English
1800-1830	11875	JUL	100	kW	/	100	deg	Mon/Wed/Fri	Persian
1800-1900	11875	JUL	100	kW	/	100	deg	Tue/Thu/Sun	Persian
1800-1815	11875	JUL	100	kW	/	100	deg	Sat	English
1700-1900	11945	WER	100	kW	/	105	deg	Daily	Persian
1630-1700	11975	JUL	100	kW	/	105	deg	Fri/Sun	Hebrew
1625-1715	13580	WER	250	kW	/	120	deg	Tue/Fri	Arabic
1625-1730	13580	WER	250	kW	/	120	deg	Mon/Wed/Thu	Arabic
1540-1615	13590	WER	100	kW	/	150	deg	Mon-Fri	English
1615-1645	13590	WER	100	kW	/	150	deg	Tue	Hebrew/Tagalog
1645-1715	13590	WER	100	kW	/	150	deg	Tue	English/Russian
1715-1800	13590	WER	100	kW	/	150	deg	Tue	Hebrew
1615-1645	13590	WER	100	kW	/	150	deg	Thu	Hebrew/English
1545-1730	13590	WER	100	kW	/	150	deg	Sat	English
1730-1830	13590	WER	100	kW	/	150	deg	Sat	Hebrew/English
1530-1730	13590	WER	100	kW	/	150	deg	Sun	English
to Far East									
2245-2330	7245	WER	250	kW	/	075	deg	Fri	Vietnamese
2300-2330	7245	WER	250	kW	/	075	deg	Sat	Vietnamese
to South Asia									
0030-0045	9815	WER	500	kW	/	075	deg	Daily	Bengali
0030-0100	9620	WER	500	kW	/	090	deg	Mon-Thu	Hindi
0030-0100	9620	WER	500	kW	/	090	deg	Fri-Sun	English
1500-1600	15530	WER	250	kW	/	090	deg	Mon/Thu/Fri	Bengali
1530-1600	15530	WER	250	kW	/	090	deg	Tue	Hindi
1515-1600	15530	WER	250	kW	/	090	deg	Wed	Hindi
1500-1515	15530	WER	250	kW	/	090	deg	Sat	Hindi
1500-1530	15530	WER	250	kW	/	090	deg	Sun	Bengali
1400-1500	15680	WER	250	kW	/	090	deg	Sat/Sun	English
1530-1600	15680	JUL	100	kW	/	090	deg	Mon	English
1515-1600	15680	JUL	100	kW	/	090	deg	Wed	Urdu/English
1515-1600	15680	JUL	100	kW	/	090	deg	Thu/Sat	English
1515-1600	15680	JUL	100	kW	/	090	deg	Fri	Punjabi
1530-1600	15680	JUL	100	kW	/	090	deg	Sun	Urdu

(DX Mix News, Bulgaria, July 27 via DXLD)

GUAM - WHERE AMERICA'S DAY BEGINS --- The U.S. territory of Guam in the South Pacific is where America's day begins, said Ross. The KTWR transmitter site is in the extreme southern part of the island. The United States gained possession of Guam in 1898 during the Spanish-American War. Ross said there is still a lot of Spanish heritage found in Guam. Magellan first discovered the island in 1521. Guam was the only U.S. territory occupied by the Japanese during World War II. In 1974 the last Japanese soldier was found living in a cave in a bamboo orchard. Ross had an opportunity to see him in a Liberation Day 50th anniversary parade. Today, tourism is the mainstay of the island, explained Ross. Most of the tourists are from Japan. Guam is located 1200 miles south of Japan and east of the Philippines.

KTWR's antenna field covers Australia, New Zealand, Indonesia, Southeast Asia, China, Korea, Japan and Mongolia. This is the only transmitter site that TWR has on U.S. territory. "We started to look for access as we were praying about how much we could reach China and the Orient with the Gospel of Jesus Christ," said Ross. "And we prayed about Guam for a long time. Our founder Dr. Freed approached the FCC in 1964 to see if we could put a transmitter site here on Guam. And then in 1965 there was a freeze on shortwave broadcasting or building within the U.S. Finally in 1974 we heard word that it was open again, so TWR applied for a license and received it. So in 1975 we were able to start building in Guam. In 1977 we were able to go on the air."

KTWR began broadcasting with two Harris 100-kilowatt transmitters in September of 1977. In 1982, two more transmitters were added. There were four TCI model 611 curtain antennas. "We also have quite a need for 5000-pound counterweights," said Ross. "I'm sure you've heard about the typhoons we have on Guam." Today KTWR has six antennas and a backup power generator. Their newest transmitter is an HC-100, which is paired with a new TCI antenna to reach China.

KTWR has a fully automated playout system. The programming is all produced elsewhere and sent to Guam via FTP. There is a staff of 6 in Guam, including an antenna rigging crew. Ross showed some dramatic photos taken from the top of one of the antenna towers by a member of the rigging crew who is an amateur photographer. "We're really fortunate," said Ross, "the Lord raised up a great area for us to have a take-off right on the ocean, so our first hop is right off the ocean."

In 2002, Guam had one of its biggest typhoons ever, and it hit the KTWR transmitter site. The antennas are rated for 155-mile-per-hour winds, but the typhoon's winds were over 200 mph. Ross said: "The new antenna we had from TCI was the new design. If you've seen the new model, there's a circle in between the dipoles; it's just open for air. And during this typhoon we didn't lose the antenna at all. We had two connections to the slew lines that were lost, but we didn't lose the antenna whatsoever. So within a couple hours we had the antenna back on the air."

On that occasion, TCI was able to provide replacement parts to the station and get them to Guam quickly. "It's a real privilege being a U.S broadcaster," said Russ, "because the FCC gave us incredible help in getting frequencies. We had to allocate different times and new frequencies in order to keep our programming going on the air as we got the transmitters up. And the FCC just helped out so incredibly to make it so there was no hesitation at all, and we were able to get our broadcasts back on the air." (Jeff White, NASB Annual Meeting Report May 11, 2007, HCJB Global Technology Center - Elkhart, Indiana, August NASB Newsletter via DXLD) Much more at:

<http://www.shortwave.org/news/NEWSLETTER_0708.PDF>

GUATEMALA - 4779.96, 0105-0111, R Coatán, San Sebastián Coatán, Aug 6. Spanish with announcements by woman then many 'Radio Coatán' IDs, TCs, phone #, etc by man. Outstanding S8 signal.

4799.78, 0118-0125, R Buenas Nuevas, San Sebastián, Aug 6. Children's song, 'Radio Buenas Nuevas' ID by man then taking a phone call. Strong S8 signal marred by the ever present CODAR (Brandon Jordan, Memphis, TN, <<http://www.bcdx.org>> Receivers: WinRadio G313/e, RFSpace SDR-14; Antennas: Wellbrook ALA 100, Wellbrook ALA 330S, dxldy via DX LISTENING DIGEST)

GUYANA - 3291.13, "Voice of Guyana" GBC Sparendaam last heard in mid July 0100 UT with weak audio. Silent since then. GBC has a history of returning to shortwave and may again return. "Guyana You've Been So Good to Me" is an anthem often played on this station. Guyana has been good to me! (Rob Wilkner, FL, DXplorer Aug 12 via BC-DX via DXLD)

ISRAEL - There will be many studio cutbacks starting on Sunday. For English, the Reshet Hey broadcast at 1900-1925 UT (3 PM ET/10 PM Israel Time), will no longer exist.

Here is what I posted on DXLD - hopefully, we'll see an official schedule soon. Again, the only English impact is the 1900 UT broadcast ceasing.

Looking at the IBA and israelradio.org websites, I still don't see any full listings for Monday's changes. As we know, they did announce the English Reshet Hey broadcast being cut and the REKA website mentions that as well.

Anyhow, here is the listing I received earlier, with a couple of changes from the last posting, after getting some clarifications.

I found out why there are discrepancies between the two schedules.

The schedule that I sent out is the shortwave relay schedule - and the first schedule which I had (and didn't previously post), is the domestic REKA schedule. The shortwave relay doesn't broadcast during a number of hours over the course of the day.

As I suspected, in the schedule I previously posted, the French morning broadcast was one hour off.

The Persian in the shortwave schedule doesn't match the REKA schedule, for the following reason. The Persian on shortwave is still from Reshet Hey. REKA only has 1/2 hr of the Persian news recap from Reshet Hey. REKA itself has Russian during the first 1.5 hours of the Reshet Hey Persian broadcast. Again, Persian is all that is scheduled to remain of Reshet Hey.

Shortwave relay schedule in UTC, as of Sunday, July 29.

REKA - except for Persian, which is Reshet Hey (Israel Radio International)

03:30 - 03:45 - English

03:45 - 04:00 - French

09:30 - 09:45 - English

10:00 - 10:15 - French

14:00 - 15:25 - Persian (Sun-Thurs)

14:00 - 15:00 - Persian (Fri-Sat)

16:30 - 16:45 - Romanian

16:45 - 17:00 - Ladino

17:00 - 17:15 - French

17:15 - 17:30 - Spanish

17:30 - 17:45 - English
 17:45 - 18:00 - Yiddish
 18:00 - 18:35 - Amharic

18:35 - 18:45 - Tigrít
 18:45 - 19:00 - Hungarian
 19:00 - 20:00 - Russian

Reka - Domestic Schedule -
 Local Israel Time

06:30 - 06:45 - English
 06:45 - 07:00 - French
 07:00 - 12:30 - Russian
 12:30 - 12:45 - English
 12:45 - 13:00 - Mograbi
 13:00 - 13:15 - French
 13:15 - 13:30 - Georgian
 13:30 - 14:45 - Amharic
 14:45 - 15:00 - Bucharian
 15:00 - 19:00 - Russian
 19:00 - 19:30 - Persian (From Reshet Hey)

19:30 - 19:45 - Romanian
 19:45 - 20:00 - Ladino
 20:00 - 20:15 - French
 20:15 - 20:30 - Spanish
 20:30 - 20:45 - English
 20:45 - 21:00 - Yiddish
 21:00 - 21:35 - Amharic
 21:35 - 21:45 - Tigrít
 21:45 - 22:00 - Hungarian
 22:00 - 23:00 - Russian

(Doni Rosenzweig, July 27, DXLD)

IBA FUNDING CRISIS AND CUTS IN BROADCASTS

Due to a serious deficit at the IBA many cuts in services have been made. From July 26th 2007 the only program produced for an overseas audience is the one in Persian. All other language broadcasts are produced only for Israeli audiences and aired via the REKA network.

In addition, Israel Broadcasting Authority TV and Radio services are no longer available on the Hot Bird satellite that could be received in Europe the Middle East and beyond. The IBA now uses the Amos satellites that can be received only in Israel (from the unofficial <<http://www.israelradio.org/>> which has linx to lots more about Israeli broadcasting, via DXLD)

ITALY - 6140, 7130, and 9845 kHz 1700-1800 UT August 1st, noted Rai Rome in Italian, playing "Volare" chanson song of Domenico Modugno and Johnny Dorelli, the 1958 San Remo and Eurovision contest success. Best signal on 6140 kHz. Not propagating into Europe: 11970 and 15390 towards African target. But no chance on 5985 kHz, due of co-channel T-systems Wertachtal broadcast R LUX French DRM jamming from 5982 to 6002 kHz tonight. 73 wb (wb)

Says broadcasts to E Europe should have closed by Aug 1, and everything else will go Dec 31.

So these broadcasts should now be missing. Are they?

Russia				1435-1455	Croatian	9570
0345-0405	Russian	6135	9710 11830	1500-1520	Turkish	9870 11895
0600-0620	Russian	9670	11795	1520-1540	Greek	9870 11895
1605-1625	Russian	9705	11885	1540-1600	Bulgarian	9870 11895
2000-2020	Russian	6185	9565 11775	1810-1825	Czech	6130
East Europe				1825-1840	Slovak	6130
0405-0425	Ukrainian	6135	9710 11830	1840-1900	Polish	6130
0505-0525	Lithuanian	9670	11795	1910-1930	Serbian	6130
0530-0550	Romanian	9670	11795	1935-1955	Hungarian	6130
0625-1300	Italian	6140		2115-2135	Romanian	5970
1335-1355	Albanian	9610		2135-2155	Czech	5970
1400-1415	Slovene	9570		2155-2210	Slovak	5970
1415-1435	German	9570		2210-2225	Polish	5970

(DX MIX NEWS) last update june 27, 2007 (via <<http://www.bclnews.it/a07schedules/rai.htm>>)

The service at 1605 on 9705 and 11885 was heard to start after bird chirps, but I can't confirm 100% that it was in Russian due poor reception. Italian on 9670 and 11855 to WEu was much better. 17790 to EAF was not audible if on air, and neither is 15320 or 15390 at 1700 - WEWN is using the latter (Noel R. Green (NW England), Aug 2, dxldyg via DXLD)

RAI is still on SW to East Europe. Heard at 1825 in Slovak on 6130 after the Czech programme (JM Aubier, France, Aug 2, dxldyg via DXLD)

Rai Czech and Slovak still on air; news on Prodi politics, 6130 around 1815-1828 UT, S=9+10dB signal. 73 wb (wb)

JAPAN [and non] - RADIO JAPAN SHORTWAVE SCHEDULE CHANGES DURING RE-ENGINEERING

Radio Japan advises on its website that some of its shortwave transmissions will change site and/or frequency due to re-engineering of its transmission facilities.

The Arabic transmission at 0700-0730 UT currently on 15220 kHz via Ascension Island will move to Meyerton (South Africa) from 29 August onwards. From 28 October the site changes again to Rampisham (UK) and the frequency will change to 9440 kHz.

The broadcast in Japanese at 2200-2300 UT via Ascension Island will change its frequency from 9655 kHz to 11955 kHz from 29 August onwards. (Source: NHK Online) (August 24th, 2007 - 14:42 UTC by Andy, Media Network blog via DXLD)

A-07 in WRTH Update

0500-0530 daily ME,NAf 17820eka
 0630-0700 daily Eu 11970gab
 1230-1300 daily Af 15400asc, 17870asc
 1630-1650 daily ME,NAf 11785yam
 1800-1820 daily Af 9685yam, 11785yam
 1800-1820 daily Eu 11970yam

B-07 NHK French to Africa will probably resume.

0630 UT is an African target service

LIBERIA [non] - 13760, Star Radio, Monrovia, via Meyerton, *0700-0730*, Aug 07, abrupt s/on and s/off in mid-sentences, English news and comments about Liberia, 0705 ID: "The news is coming to you from Star Radio. We broadcast to you from Monrovia, Liberia". 0708 Children song and interviews about the school system, 34444. Occasional weak QRM from Voice of Korea in Russian on 13760 // 15245. Nothing heard on ex 9525. (Anker Petersen in Denmark via Ron Howard, dxldyg via DXLD)

LITHUANIA - 6255, The Mighty KBC, 0140-0200*, August 5, US pop music of the '80s. Ad for KBC Imports. IDs. Many station promos. English/ German announcements. E-mail address & Holland address. Acknowledged listeners' reports. Very strong. Really booming in. UT Sun only (Brian Alexander, PA, DXLD)

The Mighty KBC, 6255, originating in Netherlands, finally checked their weekly broadcast to NAM, UT Sun Aug 5 during last 8 minutes from 0152 UT. Continuous music bed whilst acknowledging reception reports from June and July, including some familiar names such as Christer Brunström, Terry Palmersheim. Plugged <<http://mediumwave.info>> and commercial for Kaito, synthesizer music right up till 0200. SINPO 34433. Periodic pulsing ute QRM, but not too bad. I wonder what else they do besides play pop music (Glenn Hauser, OK, DXLD)

MADAGASCAR - 5010, Radio Madagasikara, music, national anthem, 3 x IS and sign off. Heard on 26 July at 1854 UT with SINPO 33322 (Eike Bierwirth, RMRC DX camp in Langenselbold, near Hanau, Central Germany, dxldyg via DXLD)

MALDIVE ISLANDS [non] - MINIVAN RADIO BACK ON SHORTWAVE FROM 1 AUG

Minivan Radio will resume shortwave broadcasts from 1 August. The Maldivian opposition station has only been available via the Internet since it stopped shortwave broadcasts four months ago in anticipation of winning an FM licence, but has so far been unable to procure one. It has been decided to resume shortwave broadcasts in the run-up to a referendum in late August on whether Maldivians want a parliamentary system or presidential system of government. Broadcasts will be daily at 1600-1700 UTC on 11965 kHz via a transmitter in Germany. (Source: Minivan Radio) Related stories:

Minivan Radio ends shortwave broadcasts in anticipation of FM licence

Minivan Radio loses out in frequency bid

What next for Minivan Radio?

<<http://blogs.rnw.nl/medianetwork/?p=8525>>

(July 30th, 2007 - 17:22 UTC by Andy, Media Network via DXLD)

MALI - 4835.5, R. Mali, Kati, 2220-, 14 Aug, Vernacular, phone-ins, seemingly some health program; 55343 and unusual good audio; // 5995 strong but with an empty carrier! (Gonçalves)
 7285.5 R. Mali, Kati, 1303-1430, 12 Aug, French, newscast, vernacular, talks; 55343, reasonable audio. This must be the same transmitter also used for 4835.5 (as observed on 14 Aug). (Carlos Gonçalves, Portugal, DXLD)

MEXICO - 6185 kHz, Radio Educación, 1045 UT, with program of Bizet's Carmen, Spanish ID, fair reception, moderate, then QRM from Radio Nacional de Venezuela IS (Cuba relay) IS on 6180 kHz at 1058 and poor by 1102 as RHC program began in Spanish. July 21, on Grundig YB 400PE with long wire (Roger Chambers, Utica NY, ODXA yg via DXLD)

9599.4, R. UNAM, 0931-0945, 14 Jul, Spanish, classical music; 24432, adjacent QRM 9605. Noted on 9599.2 on 15 Jul at 1015 (Carlos Gonçalves, Portugal, WOR 1368, DXLD)

XEYU, 9599.2 or so, 0545 July 23, classical music axually coming in well enough to enjoy, tho with some deep fades; pause for announcement including government agency PSA, no commercials; into Wagner running past hourtop tho het de 9600.0 underneath. F-layer propagation still pitiful; maybe sporadic E accounts for this (Glenn Hauser, OK, WOR 1368, DXLD)

Mr. David Carrillo Blanco of Radio Transcontinental de America, XERTA (4810 kHz), gave us an interesting talk about the work of his station. He told us that it exists thanks to donations from the faithful. The station does not belong to any particular church, and they plan to soon have an Internet TV channel. The transmitter, as I understood it, is a Crown-HCJB model adapted for missionary work. It is on a small plot of land in the hilly area of La Montada, Coatepec, near the area which is the main antenna center for stations in Mexico City. He talked to us about projects like increasing the power to 30 kilowatts and the use of DRM to facilitate rebroadcasts by AM and FM stations throughout the country, since he said it is very costly to use satellite to send programs live to local stations in the interior. The station's website is <<http://www.xertaradio.com>>.

Our group went by Metro to visit the studios of XERTA located in a modest building. The welcome was cordial by those who were waiting on us in a small cozy room. The reception area, administrative office, etc., is quite small. The studio is even smaller. Next to the studio, on the other side of the glass, there is a console, various computers and other instruments. In small groups we passed through.

The station has no fixed budget. To operate the station by computer, they cannot buy the appropriate software. It is very expensive, so they use free programs. If you do not believe in miracles, visit this station! They gave each of us a personalized QSL card, and we took pictures and videos of the station (Chronicle of the 13th Mexican National DX Meeting by Miguel Angel Rocha Gámez, Condensed, translated and slightly adapted by Jeff White, Aug NASB Newsletter via DXLD)

NEW ZEALAND - RNZI A-07 [northern summer] season. Update July 23, 2007

UTC	kHz	kW	ant	Target	Azimuth
0459-0658	9890	DRM	35 148	Pacific	0 deg
0500-0658	9615	AM	50 156	Pacific	0 deg
0659-1258	7145	DRM	35 148	Pacific	0 deg
0700-1058	6095	AM	50 148	Pacific	0 deg
1059-1258	9655	AM	100 156	Bougainville, PNG, Timor	325 deg
1300-1550	6095	AM	50 148	Pacific	0 deg, no DRM
1551-1850	6095	DRM	70 148		
	7145	AM	100 148	Fiji, Niue, Tonga, Samoa, Cook Is	35 deg
1851-2050	9615	AM	50 156	Pacific	0 deg
1851-2050	9890	DRM	70 148	Fiji, Niue, Tonga, Samoa, Cook Is	35 deg
2051-2358	15720	AM	50 156	Pacific	0 deg
2051-2150	11675	DRM	70 148	NW Pacific, Solomon Islands, Vanuatu	325
2151-2358	13730	DRM	35 156	Pacific	0 deg
2359-0458	13730	AM	50 156		
	15720	DRM	35 148	Pacific	0 deg

NIGER - 9705, La Voix du Sahel, Niamey, 2211-2228, 12 Jul, vernacular, talks, seemingly news; 54444; also 1007-, 22 Jul, French, interview; 35433 (Carlos Gonçalves, Portugal, DXLD)

PAPUA NEW GUINEA - Vanimo is on the air again, 3205 heard well at 1130. Also a good signal from Radio Central, 3290 (Chris Hambly, Victoria, August 8, DXLD)

3205, R. Sundaun, Vanimo. Very good in English 1140 on 7/7 (Gavin Hellyer, Ararat Vic, Yaesu FRG-8800, 30 & 80m longwires, FRT-7700 ATU, Aug Australian DX News via DXLD)

Reactivated for elections, Pidgin 1130 on 27/7 (Chris Hambly, Box Hill Vic, Icom R75, Dipole, Aug Australian DX News via DXLD)

Update of election results in English 0959, 19/7 (Phil Ireland, Tuckers Rocks, near Urunga NSW DXpedition, Aug Australian DX News via DXLD)

Running late with election coverage, 1425, as was 3260, 3290, 3325, 3335, 3365, 17/7 (Craig Seager, Tuckers Rocks, near Urunga NSW DXpedition, Aug Australian DX News via DXLD)

3290, R. Central, Boroko. Reactivated, 2000 on 28/7 (Chris Hambly, Box Hill Vic, Icom R75, Dipole, Aug Australian DX News via DXLD)

News in English, ID 1006, 19/7 (Phil Ireland, Tuckers Rocks, near Urunga NSW DXpedition, Aug Australian DX News via DXLD)

3335, R. East Sepik, Wewak. Election results roundup 1015, 19/7 (Phil Ireland, Tuckers Rocks, near Urunga NSW DXpedition, Aug Australian DX)

News via DXLD)

Listed as inactive in WRTH, but is in fact back on, Pidgin news 0824. Other PNG stations active this night: 3220, 3260, 3275, 3290, 3305, 3355, 3365, 3385, 3905.

Inactive: 2410, 3235, 3245, 3315, 3325, 3345, 3375, 3395, 4890, 9675, 19/7 (Craig Seager, Tuckers Rocks, near Urunga NSW DXpedition, Aug Australian DX News via DXLD)

9675, NBC, Port Moresby (tentative). Heard 27/7 at 1125-1130 Pidgin announcements and English pop songs, good level. Maybe PNG testing or on again, gave this no thought when Chris Hambly from Melbourne heard this at 2030 (next morning in Eastern Australia), at again good level. Must now keep a listening watch this frequency! (John Wright, Peakhurst NSW, EWE antennae, Icom R75, Aug Australian DX News via DXLD)

PHILIPPINES - Summer A-07 of Radio Veritas Asia:

Bengali	0030-0057	9895			1530-1600	9615	Wed/Fri/Sun
	1400-1430	11870		Russian	0130-0227	17830	
Hindi	0030-0057	12005			1500-1600	9570	
	1330-1400	11870		Sinhala	0000-0027	12005	
Hmong	1000-1027	11780			0000-0027	9865	
Indonesian	2300-2327	9505			1330-1400	9520	
	2300-2327	11820		Tamil	0030-0057	11935	
	1200-1227	11730			1400-1427	9520	
Kachin	2330-2357	9645		Telugu	0100-0127	15530	
	1230-1257	15225			1430-1457	9800	
Karen	0000-0027	11935		Urdu	0100-0127	15280	
	1200-1230	15225			0100-0127	17860	
Mandarin	2100-2257	6115			1430-1457	11870	
	1000-1157	9615		Vietnamese	2330-2357	9670	
Burmese	2330-2357	9720			0130-0230	15530	
	1130-1157	15450			1030-1127	11850	
Filipino	2300-2327	9720			1300-1327	11850	
	1500-1530	9615	Mon/Tue/Thu/Sat	Zomi-Chin	0130-0200	15520	

(DX Mix News, Bulgaria, Aug 13)

RUSSIA (and non) - 15260, RUSSIA, Voice of Xoriyo at 1600-1630 Tuesdays. Flute music at

1600 sign on, then male announcer with Somali identification and talks. At 1625 Somali songs and local music to 1630 and off. This clandestine is directed to the Ogadani people in the Ogaden region of Eastern Ethiopia. (Fair Jul 10 MLF) - this is on Tuesdays only - ed

15260, RUSSIA, The Holy Synod of the Ethiopian Orthodox Tewahedo Church at 1600-1700 Mondays. Tones to 1600 then intro music and female announcer with Ethiopian identification and schedule. Then male and female announcers with long talks and occasional local music bridges to 1700 and off. Very bad modulation buzz. This station was launched on July 2nd to Ethiopia by the exiled Holy Synod of the Ethiopian Orthodox Tewahedo Church. The Holy Synod is led by the legitimate patriarch of Ethiopia, Abune Merkorios, who went into exile when the Tigrean People Liberation Front came to power in 1991. The radio broadcasts are intended to expand the spiritual service the church is providing to its followers and to be a voice for the millions of Ethiopians who are being brutalized by the tribal junta currently in power. (Fair Jul 16 MLF) - this one is on Mondays only - ed (Michael Ford, Staffordshire, England, NDR515mod, NCM515, AR7030, 85' wire, Aug ODXA Listening In logs, evidently quoting already published background info, via DXLD)

SIERRA LEONE [non] - 13760 (new frequency, ex: 9525), Cotton Tree News (CTN) now via Meyerton (ex: Ascension), scheduled for 0730-0800, starting from August 1. This per e-mail from Anne Bennett, Coordonateur de Projet Sierra Leone, Fondation Hironnelle, Mount Aureol, Freetown, Sierra Leone. I have not been able to hear them here since the move. Wonder about Star Radio, have they also shifted their 0700-0730 programming here? (Ron Howard, Monterey, CA, dxldyg via DX LISTENING DIGEST)

SYRIA - Surprise! Good audio on strong signal level of Radio Damascus in English at 2014 UT on 12085 kHz on July 28th (Rumen Pankov, Bulgaria, wwdxc BC-DX July 31 via WORLD OF RADIO 1370, DXLD)

In the German programme it was said to use only one SW frequency per programme in future, and also to have an internet stream. (we)

TIBET - Dear DX-editors, Following the recent discussion in DXLD and NASWA The Journal about the relevance of the use of the Xi'an relay for the Tibetan domestic broadcasts based upon the DX-Window, I forwarded the discussion to the DX-er visiting the area and here is his reply to all those of us who have not noted the details in

WRTH 2007 where Xi'an is mentioned as relay on 6050, 6200 and 7125 and Lingshi on 7385 kHz. Here is his reply. So the question should be forwarded to the WRTH Editors instead. Best 73' (Anker Petersen, Denmark, Aug 5, DXLD) Viz.: I never questioned the accuracy of the WRTH listings of Lingshi and Xian for broadcasting to Tibet and beyond for the following reasons:

The vast area of the TAR (Tibetan Autonomous Region) can probably not be covered effectively at all times from one site only, i.e. Lhasa.

Large areas of historical and ethnic Tibet are now incorporated into the Chinese provinces of Qinghai and Gansu (traditionally known as Amdo), and Sichuan and Yunnan (traditionally known as Kham). More Tibetans in China now live outside the TAR (Tibetan Autonomous Region) than inside it.

The Chinese government would certainly like to get their 'message' across to the many thousands of Tibetans living in exile in India (Maarten van Delft, via Anker Petersen, DXLD)

U.S.A. - DELANO CLOSING AT END OF OCTOBER

As a result of the Broadcasting Board of Governors' changing global mission to meet current U.S. government broadcast requirements, along with reduced budgets and changes in technology, the International Broadcasting Bureau will cease broadcasting from its Delano, California Transmitting Station at the end of October 2007. As operating budgets decrease, we have had little choice but to downsize

and realign the IBB transmission network. All of us in the IBB and Broadcasting Board of Governors regret the loss of valued and skilled employees at Delano as a result of this action. The history of U.S. international broadcasting is deeply rooted in the Delano Transmitting Station. Located about 140 miles north of Los Angeles, California, the station began shortwave broadcasts to the Pacific Theater of World War II in 1944. In early days, it beamed broadcasts directly to local audiences and to retransmitting facilities in Hawaii, Okinawa and the Philippines. Later the station provided critical shortwave broadcasts to Cuba, South America and Asia. These broadcasts clearly helped shape today's world.

There have been tremendous recent changes in communications, broadcast media and technology. The IBB Delano station relies entirely on shortwave wave radio transmissions, a format that is relatively expensive to operate. Although shortwave was the focus of international broadcasting for many decades, shortwave has declined in importance as traditional audiences have shifted to FM and MW radio, the Internet and television.

We wish to recognize the employees and staff of the IBB transmitting station in Delano for their outstanding service to international broadcasting and the BBG is forever indebted for their contributions. July 24, 2007 (IBB via DXLD)

BBG ANNOUNCES IT WILL END BROADCASTS FROM DELANO

Dateline: WASHINGTON, 07/24/07. In its continuing assault against the Voice of America, the Broadcasting Board of Governors announced today the closure of the Delano, California transmitting station. The closure is scheduled for October 30, 2007. Employees then will be RIFed as a result of the manufactured "lack of work". The plan would have the employees on the payroll only through January 5, 2008 (AFGE Local 1812 via DXLD)

It's used now for Radio Martí and for VOA Spanish, Creole, and Special English to Latin America. There is much interest in Congress to overcome Cuban jamming of Martí broadcasts. Shortwave remains the medium of international broadcasting that is most difficult to block.

But shortwave anti-jamming techniques work best by transmitting on as many frequencies as possible, from as many sites as possible. The closure of Delano thus makes it easier for Cuba to jam Radio Martí shortwave broadcasts. Beyond that, the BBG statement does not say if Delano will be placed in "mothball" status or closed altogether. I hope the former, because it will be needed during future crises, when more modern communications technologies fail due to overuse or hostile action. Posted: 25 Jul 2007 (Kim Andrew Elliott, kimandrewelliott.com via DXLD)

Since now we officially know that IBB Delano Transmitting Station will cease broadcasting on October 28, 2007 at 0330 UTC, here is the current A07 (final) schedule:

freq. time pwr az. language station

5890	0200-0230	250	180	English R Thailand
5890	0230-0330	250	180	Thai R Thailand
9560	0030-0200	250	100	Spanish VOA
11815	0030-0200	250	100	Spanish VOA
13740	0130-0200	250	100	Special English VOA (Tue-Sat)
13820	2000-2400	250	100	Spanish R Marti
21555	2100-2130	250	100	Creole VOA

Best regards & many 73s! (Dragan Lekic from Subotica, Serbia, July 25, dxldyg via DX LISTENING DIGEST)

9265.05, WMLK, Bethel, Pa, 1930-1955+, August 24, English religious talk about Yahweh teachings. Theme music & ID at 1945. Irregular. When they are on the air they appear to always be slightly off frequency. Weak. Poor in high noise level.

9264.96, WINB, Red Lion, Pa, *2200-2300+, August 24, English sign on announcements with ID & religious talk. Religious music. Re-broadcasting WYFR programming. Weak. Poor in noisy conditions. Slightly wobbly carrier (Brian Alexander, PA, DX LISTENING DIGEST)

KJES, 11715, Monday Aug 6 at 1305 in English with off-key YL singing hymn, mixing with robokids chanting, which really don't go together; a few minutes later fade out the singing and fade up the kids. Good signal, anyway. Other days inaudible at this hour, and I am still not sure whether operation is irregular, or propagation/skipping over accounts for this. (Glenn Hauser, OK, DXLD)

U.S.A. [mostly non]- Updated summer A-07 for Voice of America.

AFAN/OROMO	1730-1800	9875	11500	11675	11905	13870	Mon-Fri
ALBANIAN	0500-0530	9460					
	1600-1630	13740					
	1830-1900	9840					
AMHARIC	1800-1900	9875	11500	11675	11905	13870	
ARABIC	0400-1645	990	1170	1548			
Radio Sawa	1645-0400	990	1170	1431	1548		
AZERI	1730-1800	7170	7235	13725			
BANGLA	0130-0200	11735	15205				
	1600-1700	1575	7430	11835			
BURMESE	1430-1530	1575	Sa/Su	9325	11910	12120	
	2330-2400	6185	9505	11980			
CANTONESE	1300-1500	1170	7115	9355			
CHINESE	0000-0200	9545	11830	11925	15150	15385	17765
	0200-0300	9545	11830	11925	15385	17765	
	0700-0900	13610	13740	15250	17780	17855	21705
	0900-1000	11825	11965	13610	13740	15250	15665 17780 17855
	1000-1100	9575	11825	11965	12040	13610	15250 15665 17855
	1100-1200	1170	6110	9575	11785	11825	11990 12040 15205
	1200-1230	6110	9845	11785	11825	11990	12040 15205
	1230-1300	6110	9845	11785	11805	11825	12040 15205
	1300-1400	6110	9845	11785	11805	11965	11990 12040
	1400-1500	6110	9845	11805	11965	11990	12040
	2200-2300	7190	7200	9510	9545	11925	13775
CREOLE	1130-1200	11890	15390	Mon-Fri			
	1630-1700	15390	17565				
	2100-2130	11895	13725	21555			
CROATIAN	0430-0500	5965					
	1830-1845	7180	15180				
DARI	0130-0230	1296	9335	12140			
Radio Ashna	1500-1530	1296	9335	15090	15120		
	1630-1730	1296	9335	11565	11580		
	1800-1830	1296	9335	11565	11580		
	1930-2030	1296	7555	7595			
FRENCH	0530-0600	1530	4960	6035	6095	9885	13710 Mon-Fri
	0600-0630	4960	6035	6095	9885	13710	Mon-Fri
	1830-2000	1530	9815	9830	12080	15730	17785
	2000-2030	9815	9830	11720	12080	15730	
	2030-2100	9815	9830	11720	12080	15730	Sat/Sun

2100-2130 9815 9830 11720 12035 12080 Mon-Fri

Georgian

1530-1600 UTC 11945 15475

Hausa

0500-0530 UTC 1530 4960 6045 9600
 0700-0730 UTC 4960 11785 17490
 1500-1530 UTC 9710 11905 13750
 2030-2100 UTC 4940 9815 9830 11720 12080 15185

Hindi

1600-1700 UTC 7260 9320

Indonesian

0000-0030 UTC 9535 11805 13705
 1130-1230 UTC 9700 9890 12010
 1400-1500 UTC 13620 15105
 2200-2400 UTC 7225 9535 11805

Khmer

1330-1430 UTC 1575 5955 7155
 2200-2230 UTC 1575 6060 7130 15340

Kinyarwanda/Kirundi

0330-0430 UTC 6095 7340 11905
 1600-1630 UTC 11905 15430 17725

Korean

1200-1300 UTC 5890 7235 11625
 1300-1400 UTC 648 5890 7235 11740
 1400-1500 UTC 5890 7235 11740
 2000-2030 UTC 6060 7125 9510

Kurdish

0400-0500 UTC 9845 15460 17490
 1300-1400 UTC 1593 11635 15390 17730
 1600-1700 UTC 9805 11705 15130
 1800-1900 UTC 7205 11520 11705
 1900-2000 UTC 1593

Laotian

1230-1300 UTC 1575 9510 11930

Mandarin (Chinese)

0000-0200 UTC 9545 11830 11925 15150 15385 17765
 0200-0300 UTC 9545 11830 11925 15385 17765
 0700-0900 UTC 13610 13740 15250 17780 17855 21705
 0900-1000 UTC 11825 11965 13610 13740 15250 15665 17780 17855
 1000-1100 UTC 9575 11825 11965 12040 13610 15250 15665 17855
 1100-1200 UTC 1170 6110 9575 11785 11825 11990 12040 15205
 1200-1230 UTC 6110 9845 11785 11825 11990 12040 15205
 1230-1300 UTC 6110 9845 11785 11805 11825 12040 15205
 1300-1400 UTC 6110 9845 11785 11805 11965 11990 12040
 1400-1500 UTC 6110 9845 11805 11965 11990 12040
 2200-2300 UTC 7190 7200 9510 9845 11925 13775

Ndebele

1800-1830 UTC 909 4930 13755 15775
 1740-1800 UTC 909 4930 13755 15775

Pashto (Radio Ashna)

0030-0130 UTC 1296 7215 7555 9795
 1430-1500 UTC 1296 9335 15090 15120
 1530-1630 UTC 1296 9335 15090 15120
 1730-1800 UTC 1296 9335 11565 11580
 1830-1930 UTC 1296 7555 7595

Pashto (Deewa Radio)

1300-1400 UTC 9310 9405 11510
 1400-1600 UTC 9310 9405 11510
 1600-1900 UTC 7510 9310 9395

Persian

0230-0330 UTC 9695 11870 17855
 1530-1630 UTC 1593
 1630-1700 UTC 1593 6040 11520 11780
 1700-1730 UTC 1593 6040 9760 11520
 1730-1800 UTC 1593 6040 9760 11925
 1800-1830 UTC 648 1593 6040 9760 11925
 1830-1900 UTC 648 5860 6040 11925
 1900-1930 UTC 5860 6040 11925
 1930-2030 UTC 5860 9725 9310

Persian (Radio Farda)

0000-0030 UTC 1575
 0030-0200 UTC 1575 7295 9805 9865
 0200-0330 UTC 1575 9510 9805 9865
 0330-0400 UTC 1575 5860 9510 9805 9865
 0400-0430 UTC 1575 5860 9510 9865 15255
 0430-0500 UTC 1575 5860 9865 15255
 0500-0530 UTC 1575 5860 9510 9865 15255
 0530-0600 UTC 1575 9510 9865 15255 15690
 0600-0800 UTC 1575 9510 15290 15690 17845
 0800-0930 UTC 1575 15290 15690 17845 21715
 0930-1000 UTC 1575 15690 17845 21715
 1000-1200 UTC 1575 7125 15690 21715
 1200-1400 UTC 1575 7125 15690 17755
 1400-1500 UTC 1575 15170 17510 17755
 1500-1600 UTC 1575 15410 17510 17755
 1600-1700 UTC 1575 15165 15410 17510
 1700-1900 UTC 1575 7105 7580 9770
 1900-1930 UTC 1575 7105 7580 9505
 1930-2130 UTC 1575 5830 7580 9505
 2130-2400 UTC 1575

Portuguese to Africa

0430-0500 UTC 1530 6095 7340
 1000-1030 UTC 17740 21590
 1700-1730 UTC 1530 9565 12080
 1730-1800 UTC 1530 9565 9815 12080 15730
 1800-1830 UTC 1530 9565 9815 17785

Russian

1300-1400 UTC 9465 11725 15130 15565
 1700-1800 UTC 6110 7340 9520 11805
 1800-1900 UTC 6110 9520 11755 11805
 0530-0545 UTC 9460
 1930-2000 UTC 9785
 2100-2130 UTC 7210

Shona

1700-1730 UTC 909 4930 13755 15775
 1700-1720 UTC 909 4930 13755 15775

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Somali - New!

1600-1630 UTC 1431 11530 15675
1630-1800 UTC 11530 15675

Spanish

0030-0200 UTC 9560 9885 11815
1100-1230 UTC 7370 9535 13790

Swahili

1630-1700 UTC 9815 13670 15730
1700-1730 UTC 9815 13670 15730

Tibetan

0000-0100 UTC 7255 9855 11690
0400-0600 UTC 15265 15490 17685
1400-1500 UTC 6030 11520 11975

Tigrigna (Mo-Fr)

1900-1930 UTC 9875 11500 11675 11905 13870

Turkish (Mo-Fr)

0330-0400 UTC 7205
1045-1100 UTC 15205 17565

Ukrainian

2000-2015 UTC 7230 11840
2015-2030 UTC 7230 11840 (Mo-Fr)

Urdu (Radio Aap ki Duniyaa)

0000-0100 UTC 972
0100-0200 UTC 972 7145 11805
1400-1500 UTC 972 9510 15530
1500-1700 UTC 972
1700-1800 UTC 972 9320 9780
1800-2400 UTC 972

Uzbek

1500-1530 UTC 801 9695 9885 11595 15265

Vietnamese

1300-1330 UTC 1575 5955 9720
1500-1600 UTC 1170 5955 7455 9780
2230-2330 UTC 6060 15340 (DX Mix News, Bulgaria, Aug 21 + VoA website)

U.S.A. [non] - Frequency changes for Voice of America:

1045-1100 NF 17565 IRA 250 kW / 316 deg, ex 21590 in Turkish Mon-Fri
1200-1300 NF 12075 TIN 250 kW / 272 deg, ex 11860 in English
1500-1530 NF 9695 UDO 250 kW / 316 deg, ex 9700 in Uzbek
1500-1530 NF 11595 IRA 250 kW / 348 deg, ex 11590 in Uzbek
1530-1630 on 6040 UDO 250 kW / 300 deg, addit. txion Persian
1530-1630 on 11780 BOT 100 kW / 010 deg, addit. txion Persian
1530-1600 on 11520 IRA 250 kW / 299 deg, addit. txion Persian
1600-1630 on 11520 LAM 100 kW / 104 deg, addit. txion Persian
1600-1630 NF 11530 IRA 250 kW / 271 deg, ex 11675 in Somali Mon-Fri
1630-1700 on 11530 MOR 250 kW / 108 deg, addit. txion Somali Mon-Fri
1700-1730 NF 11530 IRA 250 kW / 275 deg, ex 11675 in Somali Mon-Fri
1730-1800 on 11530 IRA 250 kW / 271 deg, addit. txion Somali Mon-Fri
1600-1700 NF 7215 LAM 100 kW / 055 deg, ex 7340 Russian (R Liberty)
1700-1800 NF 7215 LAM 100 kW / 055 deg, ex 7340 in Russian
1700-1900 NF 6110 LAM 100 kW / 055 deg, ex 6105 in Russian
2030-2100 on 4940 SAO 100 kW / 030 deg, ex Sat/Sun English [now D.?
(DX Mix News, Bulgaria, Aug 9)

U.S.A. [non] CZECH REPUBLIC [non] - Updated summer A-07 of R Free Europe / R Liberty:

ARABIC	0100-0600	1593			1700-1900	1575	7105	7580	9770
R Free IRAQ	1400-1530	1593			1900-1930	1575	7105	7580	9505
	2000-2200	1593			1930-2130	1575	5830	7580	9505
AVARI	0300-0320	7105	17510		2130-0030	1575			
	1500-1520	11810	15565		0400-0430	7235		Mon-Fri	
BELORUSSIAN	0300-0500	612	7155	9635	1500-1530	15380			
	1500-1700	612	9725	15215	1600-1630	11975		Mon-Fri	
	1700-1900	612	7115	15215	1800-1900	11985		Mon-Fri	
	1900-2100	612	7115	9750	0300-0400	6105	7175	7220	15470
CHECHEN	0320-0340	7105	17510		0400-0500	6105	7220	9520	9760
	1520-1540	11810	15565		0500-0600	9520	9760	11865	17560
CHERKASSI	0340-0400	7105	17510		0600-0700	9520	9760	11815	17560
	1540-1600	11810	15565		0700-0800	11700	11815	15535	17730
DARI	0330-0430	1296	15615	15690	0800-1000	11700	15535	17730	
R Free AFG	0530-0630	1296	15615	17670	1000-1100	11700	15130	17730	21530
	0730-0830	1296	15615	17685	1100-1200	11700	15130	17730	21530
	0930-1030	1296	15090	17685	1200-1300	11700	15130	15565	17730
	1130-1230	1296	15090	15690	1400-1500	11725	11875	12080	15130
	1330-1430	1296	11550	15090	1500-1600	11625	11725	11865	15130
KAZAKH	0000-0100	5945	7200		1600-1700	7215	9445	9520	9565
	0200-0400	9615	15250		1900-2000	7220	9465	9585	
	1200-1300	11520	15120		2000-2100	7285	9465		
	1400-1600	7170	9815		0100-0200	9760	13760		
PASHTO	0230-0330	1296	12140	15690	0200-0400	9760	15525		
R Free AFGHANISTAN					1400-1500	9790	11895		
	0430-0530	1296	15615	17670	1500-1600	9790	11975		
	0630-0730	1296	15615	17685	1600-1700	7190	9790		
	0830-0930	1296	15615	17685	0300-0400	7115	7185		
	1030-1130	1296	15090	15690	0500-0600	11990			
	1230-1330	1296	11550	15090	1500-1600	11875	11985		
PERSIAN	0030-0200	1575	7295	9805	1900-2000	9805			
Radio Farda	0200-0330	1575	9510	9805	0200-0300	864	9555	15460	
	0330-0400	1575	5860	9805	0300-0400	9555	15460		
	0400-0530	1575	5860	9865	1400-1530	15255	15460		
	0530-0600	1575	9865	15255	1530-1600	864	15255	15460	
	0600-0800	1575	15290	15690	1600-1700	11895	13815		
	0800-1000	1575	15690	17845	1700-1800	9700	11895		
	1000-1200	1575	7125	15690	0200-0300	12110	15120	15145	
	1200-1400	1575	7125	15690	0300-0400	12110	15145	17770	
	1400-1500	1575	15170	17510	1300-1400	1143			
	1500-1600	1575	15410	17510	1400-1500	11715	13755	15145	
	1600-1700	1575	15165	15410	1600-1700	7555	9595	12150	

(DX Mix News, Bulgaria, Aug 9)

ZIMBABWE - 3396, ZBC, Guinea fowl, 1835-2025, 20 Jul, Vernacular, talks piano tunes, African pops; 45332, but rated 54333 at 2015. 4828, Voice of Zimbabwe, Guinea fowl, 2218- 19 Jul, non-stop African pops & ballads; 54333, adjacent QRM de Brasil 4825.
(Carlos Gonçalves, Portugal, DXLD)

Info desk was closed August 26, 2007 at 1300 UTC.

Please also see our website for schedules German and English, updated regularly.

Sources & Contributors:

A-DX e-mail exchange - Austria

Alokesh Gupta - India

BCDX News Bulletin by Wolfgang W. Bueschel (wb)- Germany.

CONEXION CONEXION Digital - Buenos Aires, Argentina.

DXLD Glenn Hauser's DX LISTENING DIGEST - USA.

Dr. Hans-Jörg Biener (hjb) - Nuernberg, Germany

Kim Elliott Dr. Kim Andrew Elliott <<http://kimandrewelliott.com>> - USA.

DX MIX Fortnightly edition of Radio Bulgaria's Frequency Management.

RNMN Radio Netherlands Media Network ©.

Others as stated in contribution.

Abbreviations:

with name of station: BC = Broadcaster, Int. = International, R = Radio, Vo = Voice of

Location of transmitters with frequency (QRG):

Al = Aligarh/India, ALB = Albany, ANT = Neth. Antilles, Arm = Armavir/RUS, Ban = Bangalore, Be = Beijing/China, BI = Biblis/DL, BIH = Bosnia-Herzegovina, BLR = Byelo-rus, BOT = Botswana, Br = Brandon/Aus, CAN = Canada, CLN = Sri Lanka, CTR = Costa Rica, CYP = Cyprus, Del = Delano/USA, Du = Dushanbe, Dw = Darwin/Aus, F = Issoudun/France, Fl = Florida/USA, GAB = Gabun, GUF = French Guyana, HAB = Habana/Cuba, Hoh = Hohhot/CHN, HRI= WHRI Cypress Creek/USA, IK = Irkutsk/ Siberia, J = Juelich, Kash = Kashgar/CHN, Ka = Kingsway (Delhi), Kh = Khampur (Delhi), Kom = Koms-na-Amur, KOR = (South) Korea, Kra = Krasnodar, Kun = Kunming /CHN, Ku = Kununurra/Aus, KWT = Kuwait, LH = Lampertheim/DL, M = Moscow /Taldom, MCO = Monaco, MDG = Madagascar, MR = Tanger/Marokko, MRA = Northern Marianas, N = Nauen, NL = Flevo/Netherlands, Nn = Nanning/CHN, NOR = Kvitsoy /Norway, Pan = Panaji/India, Pet = Petropavlovsk/ Sibiria, POR = Portugal, Qi = Qiqihar/ CHN, Ram = Rampisham/GB, RRW = Ruanda, RSA = Meyerton /South Africa, RUS = Russia incl. Sibiria, Sam = Samara, SEY = Seychelles, Sh = Shepparton/Aus, Sim = Simferopol, Sk = Skelton/GB, SNG = Singapur, SP = St. Petersburg/RUS, SVK = Slovakia, SW = Sweden, ST = Sao Tomé, SWZ = Swaziland, TH = Nakhon Sawan/ Thailand, TWN = Taiwan, UAE = Al UAEBbaya /United Arab Emirates, UKR = Ukraine, Ur = Urumchi/CHN, Vla = Vladivostok, W = Wertachtal/DL, Wof = Wofferton /GB, Xi = Xian/CHN, Ya = Yamata/Japan.

Mostly within round brackets target areas as known:

Af = Africa, Am -= America, As = Asien, Aus = Australien; Eu = Europe, ME = Middle East, Pac = Pacific Region; C = Central, E = East, N = North, S = South, W = West

Languages:

Ar Arabic - Ch Chinese - Du Dutch - E, En English - F French - G, Ge German - Gr Greek - I Italian - J Japanese - K Korean - P Portuguese - R Russian - Sp Spanish - Turk Turkish

Technical hint with frequency (QRG):

(*) = Digital Radio broadcast (DRM) v = variable
/USB = upper sideband, /LSB = lower sideband, (QRG) = alternative frequency

Editor:

Walter Eibl (we), P.O. Box 1545, 91005 Erlangen, Germany.

email: <we@wwdxc.de> or <we.ccom@web.de>

used equipment:

Receiver: communications receiver ICOM IC-R70 (no modification)

Antennas: Hamtronic HT504 selective active antenna, in roof window ca. 15 m above ground
DX-One Professional (only nighttimes)

Location: Herzogenaurach / Germany; 49.567/10.917; 310 m NN

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DX LOGBOOK

Logs around the clock

by Ashok Kumar Bose, Unit # 28, 7035, Rexwood Road, Mississauga, ON, L4T 4M6, Canada
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MEDIUMWAVE BAND

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
603.0	2135	111	G	Classic Gold,Littlebourne	English	Athletic Festival	1706	MF
603.0	2250	121	G	BBC,Newcastle upon Tyne	English	English immigrants to USA	1707	MF
612.0	1900	232	BIH	Radio Bosnia	Bosnian	ID and program	2407	ZC
630.0	2240	211	G	BBC,Kent	English	News from Redruth	1707	MF
675.0	1900	444	LBY	Voice of Great Homeland	Arabic	ID & Program	2407	ZC
693.0	2125	111	G	Capital Premier Gold,Portsmouth	English	New Ferryship	0307	MF
710.0	0425	111	G	Classic Premier Gold,Chester	English	Breakfast Show	0407	MF
774.0	2220	221	G	BBC,Plymouth	English	Ulster News	1707	MF
810.0	0345	222	G	BBC,Scotland	English	Scotland in mirror	1807	MF
810.0	1900	434	MKD	Radio Skopje	Macedonian	Talk about forest fires	2807	ZC
819.0	2110	121	G	Premier Gold,Oxford	English	Oxford Students	0107	MF
882.0	0335	222	G	BBC,Wales	English	World News	1807	MF
882.0	0410	111	G	Classic Premier Gold,Sheffield	English	Traffic Jam	0407	MF
945.0	2020	211	G	Capital Gold,Bexhill	English	Beer Blend	1106	MF
945.0	2115	111	G	Classic Gem Gold,Derby	English	Derby Classic Festival	1706	MF
954.0	2150	111	G	Classic Premier,Glasgow	English	No military airshow in Glasgow	0107	MF
999.0	1955	211	G	Classic Gold,Blackpool	English	Labour Concert	2106	MF
999.0	2020	211	G	Vallry Radio	English	German Warship Hamburg	1307	MF
1071.0	0350	211	G	Classic Christian Premier Gold,Folkstone	English	Ferries and Quick help	0907	MF
1116.0	0340	211	G	BBC,Derby	English	Australian Car law	0407	MF
1116.0	2100	211	G	Classic Gold,Guernsey	English	Cricket Derby	1706	MF
1134.0	1900	444	HRV	Voice of Croatia	German	TS,ID,News,Sport,Weather	1807	SG
1152.0	0340	211	G	Capital Gold,Manchester	English	Amber is a dead radio station	1206	MF
1161.0	2240	211	G	BBC Southern Counties,Bethield	English	Farmers	1706	MF
1170.0	2050	111	G	Classic Gold,Amber Norwich	English	Talk,ID	1007	MF
1170.0	1900	242	BLR	Radio Belarus	German	ID,Ann.,Kultur	1907	SG
1179.0	1830	344	S	Radio Sweden	German	IDProgram	1807	SG
1197.0	2050	221	G	Classic Gold,Buckingham	English	Football Star Howard Owen	1606	MF
1197.0	0405	111	G	Classic Premier,Maidstone	English	Pictures of A Bomb	2406	MF
1197.0	2120	211	G	Christian Premier,Stonehenge	English	Christian around world meet Europe	0207	MF
1197.0	2005	221	G	Classic Gold ,Worcester	English	Town Budget	1307	MF
1224.0	2215	111	G	Classic Gold,Southhampton	English	Industrial Shipping	0107	MF
1224.0	0415	111	G	Capital Gold,Maidstone	English	Cinema Music	1206	MF
1226.0	2030	211	G	Classic Gold,Amber Harwich	English	Talk,ID	1007	MF
1233.0	1940	111	G	Classic Gold,Osborn	English	Classical Music Event	2106	MF
1242.0	2055	111	G	Premier Gold,Liverpool	English	Sportnews	0906	MF
1260.0	2030	111	G	Capital Gold,Coventry	English	Second World War bombing	0906	MF
1260.0	0330	211	G	Classic Gold,Bromwich	English	Tour de France & Doping	0307	MF
1260.0	2225	111	G	Classic Premier,Folkstone	English	Amber is very cheap	1706	MF

1269.0	1950	111	G	Premier Gold,Battersea	English	Survival News	1707	MF
1278.0	2115	111	G	Capital Gold,Dover	English	Dover problems with terror tourist	0307	MF
1278.0	2035	211	G	Classic Gold,Nottingham Forest	English	Robin Hood	1606	MF
1278.0	2215	111	G	Classic Gold,West Yorkshire	English	Yorkshire bales in danger	1706	MF
1287.0	2030	111	G	Premier Classic,Glasgow	English	Tourists in Scotland	3006	MF
1305.0	0410	111	G	Classic Gold,Greater Sheffield	English	Everyday traffic signal	2606	MF
1305.0	2155	111	G	Classic Gold,Salisbury	English	Stonehenge	1706	MF
1314.0	2025	211	G	Classic Gold,Wickham	English	Wickham News	1606	MF
1314.0	2000	111	G	Premier Classic,Burghead	English	Classic good sheep wool	3006	MF
1314.0	1950	211	G	Classic Gold,Winchester	English	Music CD's by Winchester Records	1307	MF
1323.0	0340	111	G	Classic Premier,Portsmouth	English	Warter sports	2406	MF
1332.0	0320	221	G	Classic Gold,Norwich	English	ID,Hits	0307	MF
1332.0	2015	111	G	Classic Gold,Isle of Wight	English	Weather Forecast for Atlantic Ocean	1606	MF
1332.0	0315	322	G	Classic Gold,Cambridgeshire	English	ID,Hits	1807	MF
1332.0	2100	111	G	Classic Gold,Bournemouth	English	News	0307	MF
1359.0	0310	211	G	BBC,Solent,Bournemouth	English	Hits	1807	MF
1368.0	2015	221	G	Sunrise Brighton	English	Amber is not to rescue	1707	MF
1368.0	2015	111	G	Christian Premier Gold,Yorkshire	English	God work with us	1007	MF
1368.0	2300	111	G	Virgin , Southall	English	Virgin jammed by Germany	1407	MF
1368.0	2050	211	G	Classic Gold,Plymouth	English	Cornwall News	0307	MF
1413.0	2020	111	G	Fresh AM,Manchester	English	Fresh news for British Coal region	2106	MF
1413.0	0330	221	G	Christian Premier,London	English	Church Tax	1206	MF
1413.0	2040	111	G	Premier Christian Radio,Farnborough	English	Farnborough Christian Show	0107	MF
1413.0	0330	111	G	Classic Premier.Barnsley	English	Asian Classic Gold	2406	MF
1413.0	2340	111	G	Classic Premier,London	English	ID,Night program	1707	MF
1422.0	2000	111	G	Classic Premier,Southampton	English	ID,Program	1606	MF
1422.0	2120	111	G	Classic Gold,Langdon	English	Short News	1707	MF
1429.0	2015	211	G	Classic Gold,South of Scotland Dumfries	English	Dumfries Summer Carnival	0906	MF
1449.0	2005	111	G	BBC,North of England	English	BBC SW transmitter in Skelton	0906	MF
1449.0	0320	111	G	BBC,Asian Network	English	Magic Sound of Asia	2406	MF
1449.0	2245	111	G	BBC 4	English	IAEO interest in German atomic plant	1407	MF
1458.0	1950	111	G	BBC,Cumbria	English	Cumbria and Second World War	0906	MF
1458.0	1800	443	ALB	Radio Tirana	German	IS,ID,ANN.News,Press	1907	SG
1461.0	2240	111	G	Capital Gold,Manchester	English	Phone in	1407	MF
1485.0	2020	111	G	Capital Gold,Stonehenge	English	Start of Tour de France in England	0207	MF
1485.0	2315	121	G	BBC,South Counties,Southwick	English	New Southwick playground	1707	MF
1503.0	2040	111	G	BBC,Stoke	English	Stoke Summer Night Festival	1706	MF
1503.0	0310	111	G	Premier Gold,Birmingham	English	James Bond	0307	MF
1503.0	2110	211	G	Classic Gold,Sandhurst	English	Sandhurst education prog. by military	0207	MF
1521.0	2320	111	G	Worcester Premier Gold	English	Nite program	2406	MF
1521.0	2145	111	G	Classic Premier Gold,Bournemouth	English	Sports	0307	MF
1521.0	2125	111	G	Classic Premier,Cambridge	English	Nightshow	0107	MF
1521.0	2255	121	G	Amber Reigate	English	Amber against terror	1707	MF
1530.0	0430	221	G	Classic Gold,west Yorkshire	English	News around Huddersfield	1206	MF
1530.0	2005	333	G	BBC,Essex Southend	English	Boys in Kuwait	2106	MF
1530.0	2035	111	G	Classic Gold,Southend	English	Essex Jazz Night	1706	MF
1530.0	0400	211	G	BBC,Essex	English	Breakfast	1206	MF
1530.0	2050	211	G	Classic Gold,Worcester	English	Worcester Real News	1707	MF
1531.0	1935	211	G	Classic Premier,Rusthall	English	Sports News	1707	MF
1548.0	0310	211	G	Magic AM, Sheffield	English	Magic history of sheepwool industry	2406	MF
1548.0	2345	211	G	Capital Gold,London	English	ID,Advrts,	2606	MF
1566.0	0300	211	G	Capital Gold,Bromwich	English	Bromwich textile industry	0307	MF
1566.0	2215	211	G	Christian Classic Gold , Lincolnshire	English	Amber in living danger	1407	MF
1575.0	2020	111	G	Premier Christian Radio,Edinburgh	English	God is a Scotsman	0107	MF
1584.0	2020	111	G	Classic Premier, Worcester	English	Western music	1706	MF

1584.0	2310	111	G	London Turkish Radio	Turkish	Bad London TV channels	2606	MF
1584.0	0245	121	HOL	Radio Quality,Utrecht	Dutch	Program	1807	MF
1584.0	2000	111	G	Classic Premier Gold,Folkstone	English	Folkstone Folk Festival	1007	MF
1602.0	0220	221	F	Radio Oriente,Nimes	French	Tour de France	1807	MF

TROPICAL BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
3240.0	0334	222	SWZ	Trans World Radio Manzini	Ndau	Man preaching with choral vocals ,ID	2607	RAD
3396.0	0350	222	ZWE	Radio Zimbabwe	English/Shona	Tribal drums,ID,News	2607	RAD
4635.0	1800	433	TJK	Radio Tajikistan	Dari	ID,Music	2607	ZC
4732.0	0149	111	BOL	Radio Universitaria	Spanish	Talks,Muisc	1507	RAD
4755.0	0020	222	B	Radio Rural	Portugese	Talks,vocals,Rural ID	1107	RAD
4770.0	0503	211	NIG	Radio Nigeria	English	News,Ids	1108	RAD
4775.0	0418	222	SWZ	Trans World Radio,Manzini	German	Boy's Choir vocal,ID,Talks	1108	RAD
4777.0	0458	322	GAB	Radio Gabon	French	News,ID,Highlife music	1108	RAD
4780.0	0300	322	DJI	Radio Diff Television de Djibouti	Arabic	Music,ID,Koran	1407	RAD
4780.0	0229	111	GTM	Radio Cultural	Spanish	Rustic vocals,Talks,ID	1407	RAD
4805.0	0044	222	B	Radio Difusora do Amazonas	Portugese	Brazilian pop vocals	3006	RAD
4825.0	0336	111	B	Radio Cancao Nova	Portugese	Soft inspirational vocals,ID	0507	RAD
4828.0	1900	322	ZWE	Radio Zimbabwe	Mbira	Muisc	2407	ZC
4835.5	2324	322	MLI	RTV du Mali	French	Vocals,ID,Talks	2007	RAD
4895.0	2200	322	MNG	Radio Mongolia	Mogolian	IS,I,News,Music	2507	ZC
4895.0	0050	211	B	Radio Novo Tempo	Portugese	Talks,ID	1107	RAD
4909.2	0232	111	EOA	Radio Chaskis	Spanish	Continous rustic Andean music	2207	RAD
4919.0	0439	222	EOA	Radio Quito	Spanish	Latin Instrumental music,ID	0307	RAD
4920.0	0020	111	IND	All India Radio,Chennai	Hindi	Flute melodies,Vocals,ID,News	3007	RAD
4965.0	0320	111	ZAM	Christian Voice	English	Religious talks,Choir vocals	1108	RAD
4976.0	0300	211	UGA	Radio Uganda	English/Swahili	Opening music,Tribal music,ID	2007	RAD
5010.0	0320	222	MDG	Radio National Malagasy	Malagasy	News Report,ID	0307	RAD
5014.4	0335	111	PRU	Radio Altura	Spanish	Huaynos,ID,Closedown	1907	RAD
5015.0	0324	323	PRU	Radio Altura	Spanish	ID's Huaynoa music	2607	ZC
5030.0	2347	322	BFA	Radio Burkina	French	Highlife vocals,ID,Closedoen	0708	RAD
5070.0	0243	453	USA	WWCR	English	World of Radio # 1367	2207	RL

SHORTWAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5915.0	0245	111	ZAM	Radio Zambia	English	ID,Fish Eagle IS,National Anthem	1507	RAD
5965.0	1620	443	MDA	Radio PMR	German	IS,ID,News	2507	SG
5975.0	1530	444	D	Polskie Radio	German	ID,News.Comments,HBF	2607	SG
5990.0	2105	353	B	Radio Senado, Brazil	Portugese	Romantic songs,ID,Parliament session	0207	JT
6009.4	0020	211	CLM	La Voz de tu Conciencia	English	Man preaching with Spanish translation	2107	RAD
6010.0	1918	332	BHR	Radio Bahrain	English	Songs	0307	JT
6010.0	0233	553	CAN	Radio Sweden	English	Scouting	1007	RL
6030.0	0108	354	USA	Radio Marti,Greenville	Spanish	Promos	1407	JT
6035.0	0032	111	CLM	La Voz del Guaviare	Spansih	News,Phone calls,Ad string,ID	0808	RAD
6040.0	0059	444	HUN	Radio Budapest	English	Sign On,Interview,Dance music	3006	RAD
6045.0	2336	332	ZWE	Radio Zimbabwe	Shona	Local songs and Talks	0708	JT
6055.0	1200	444	CZE	Radio Prag	German	ID,News	2407	SG
6075.0	0745	554	G	Deutsche Welle via Woofferton	German	ID,Kultur	2007	SG
6090.0	0105	333	AIA	World University Network	English	Melissa Scott preaching	1407	JT

6095.0	0901	222	NZL	Radio New Zealand Intl.,	English	News,Garrison Keller Radio Show	2507	RAD
6110.0	1930	443	D	Polskie Radio	German	ID,News,Comments	2507	SG
6120.0	0255	443	AFS	Channel Africa	Swahili	ID,Program	1907	RL
6140.0	1930	444	D	Polskie Radio	German	ID,News,Comments,HBF	2607	SG
6150.0	2350	111	B	Radio Record	Portugese	Talk,Ad string,ID and jingles	1007	RAD
6150.0	0215	343	CTR	World University Network	English	ID & Phone number	3007	JT
6165.0	1900	554	HRV	Voice of Croatia	German	ID,News,Sports	1807	SG
6185.0	1900	554	G	RTI via Skelton	German	ID,News,HBF	2206	SG
6185.0	0914	222	MEX	Radio Educacion	Spanish	Jazz program,nice ID,Talk	2507	RAD
6964.8	0003	333	ISR	Galei Zahal	Hebrew	Born in the USA,English interview	0407	RAD
6975.4	0300	333	ISR	Galei Zahal	Hebrew	News,ID	2806	RAD
7105.0	1830	454	BLR	Radio Belarus	German	Pop music,ID , Report	1807	SG
7125.0	2200	222	GNB	Radio Conakry	French	Music,Anncts.	2807	ZC
7155.0	1700	554	ALB	CRI via Cerrick	German	News,Weather,ID,Kaleidoskop	2106	SG
7170.0	1800	444	CHN	CRI	German	ID,News,HBF	2307	SG
7175.0	1800	444	ALB	CRI via Cerrick	French	ID,News,Reports	2307	SG
7210.0	2221	211	CYP	Cyprus Broadcasting Corp.	Greek	Radio Play,Music segments	2907	RAD
7240.0	1600	342	SRB	Radio Serbia	German	ID,Anncts.,News	2507	SG
7250.0	1400	444	CVA	Radio Vatican	German	Program	2507	SG
7345.0	1200	343	CZE	Radio Prag	German	ID,News	2407	SG
7345.0	1330	554	SVK	RSI	German	Minihitparade,HBF	2207	SG
7370.0	2140	443	CVA	RCI via SM di Galeria	French	Cooperation Musique,ID	2106	SG
7390.0	1810	443	BLR	Radio Belarus	German	Report	1807	SG
7395.0	1848	344	MDG	WYFR, Talata	English	Hebrews Chapter 1	0108	JT
7415.0	0450	453	USA	WBCO the planet	English	World of Radio # 1366	1607	RAD
7440.0	1800	444	BLR	Radio Belarus	German	IS,ID,News	1807	SG
7460.0	2028	343	MNG	RFA via Ulan Bator	Korean	IS,ID in English,News Reports	2106	SG
7490.0	1700	444	UKR	Radio Ukraine Intl.,	German	IS,ID,News	2507	SG
7555.0	2335	111	KWT	VOA	English	News,ID	1007	RAD
7780.0	0600	444	USA	RTI via WYFR	German	ID,News,HBF	2107	SG
9330.0	1805	444	SYR	Radio Damascus	German	ID,Anncts,News,Comments,HBF	2507	SG
9370.0	1458	341	TJK	RFA via Dushanbe	Tibetan	Music,ID in English,News,Reports	2106	SG
9385.0	2030	443	MRA	RFA via Saipan	Korean	ID in English,Anncts.,Program.	2107	SG
9430.0	1930	443	G	Voice of Vietnam via Skelton	German	ID,News,HBF	2507	SG
9480.0	0730	444	G	Deutsche Welle via Woofferton	German	ID,News,Weather	2007	SG
9525.0	0748	111	ASC	Cotton Tree Network	English	News in local language with English ID	2907	RAD
9545.0	0815	443	G	Deutsche Welle via Skelton	German	ID.Focus Europe	2007	SG
9590.0	1730	333	G	Sudan Broadcasting Service	English	ID,Phone No. & Fax No.	2507	ZC
9615.0	0500	553	NZL	Radio New Zealand Intl.,	English	News,Sports,Forecast,BBC program	2207	RL
9645.0	0337	553	ROU	RRI	English	Listeners Letterbox	2007	RL
9645.0	1400	444	CVA	Radio Vatican	German	Program	2507	SG
9690.0	0749	211	NIG	Voice of Nigeria	Hausa	Drum music, program,ID,Music,News	1806	RAD
9710.0	2126	111	G	Radio Algerienne via Woofferton	Arabic	Talk,Quran recitation,ID	2907	RAD
9710.0	0830	554	LTU	Radio Vilinius	English	ID,News,Sports diplomatics	2707	SG
9740.0	0600	444	ROU	RRI	German	IS,ID,News,Radiotour	2506	SG
9775.0	0039	453	ROU	RRI	English	Listeners Letterbox	1907	RL
9850.0	1100	554	G	NHK World Radio,Japan	German	ID,News,Japanorama	1507	SG
9970.0	0255	111	BEL	RTBF Intl.,	French	ID,Opening Anncts.,Brown Sugar song	1907	RAD
11550.0	1458	342	KWT	RFA via Kuwait	Tibetan	Music,ID in English,News,Reports	2006	SG
11590.0	0345	553	ISR	KOL Israel	English	Close airport,Japan Earthquake	1707	RL
11690.0	0029	453	LTU	Radio Vilinius	English	Hospital Doctors,Parties,Beer	2906	RL
11690.0	1547	222	JOR	Radio Jordan	English	Rock music,ID	1407	RAD
11700.0	2309	453	BUL	Radio Bulgaria	English	Daily Events & Developments	0907	RL

11725.0	2220	343	PHL	VOA,Tinang	English	VOA News Now	0608	JT
11775.0	1100	444	ROU	RRI	German	ID,News,Comments	2207	SG
11780.0	2110	354	B	Radio Nacional da Amazonia	Portugese	Wildlife protection	0608	JT
11840.0	2245	343	AUS	Radio Australia	English	Phone talk	2307	JT
11865.0	2139	453	D	Deutsche Welle	English	Arts on the Air	1807	RL
11935.0	0147	453	J	Radio Japan,NHK	English	World Interactive	2307	RL
11990.0	1915	433	KWT	Radio Kuwait	English	ID,News,Pop music,Sign off	2107	RAD
11990.0	2159	242	CAN	RCI via Sackville	Spanish	IS,ID,Anncts.,News	2106	SG
12020.0	2329	444	EOA	HCJB,Pifo	Portugese	ID & wrong QRG Anncts.	0608	JT
12075.0	2058	443	MRA	RFA via Saipan	Korean	Anncts.,ID,Program	2106	SG
12085.0	1805	444	SYR	Radio Damascus	German	ID,Anncts.,News , Comments	2507	SG
12140.0	1415	343	CLN	RFA via Irianwila	Vietnamese	Report Tibet-China,Anncts, ID	2507	SG
12150.0	1530	443	CLN	VOA,Iranawila	English	ID,News,bordercrossings	2507	SG
13640.0	1750	444	TUR	Voice of Turkey	German	Program,HBF	2507	SG
13735.0	1500	343	CLN	VOA,Iranawila	English	ID,News,bordercrossings	2507	SG
13775.0	1523	453	AUT	RAI,Austria	English	Week in Review,Postbox	2107	RL
13780.0	0800	554	G	Deutsche Welle via Skelton	German	ID,News	2007	SG
13830.0	1155	443	TJK	RFA via Dushanbe	Tibetan	Asain Traditional music,ID in English	2107	SG
15100.0	0800	444	PAK	Radio Pakistan	English	ID,News,Anncts, Pop music	2707	SG
15105.0	1500	444	MRC	VOA via Briech	English	ID,News,bordercrossings	2507	SG
17620.0	0820	554	F	RFI	French	Report Sarkorsky,ID	2707	SG
17740.0	1430	443	MRC	VOA via Briech	English	Phone in Reports,ID	2507	SG
17810.0	2045	353	ATN	Radio Nederand,Bonaire	English	Newsline	0907	JT
17835.0	0800	444	PAK	Radio Pakistan	English	ID,News,Anncts, Pop music	2707	SG
17845.0	1130	132	KAZ	Deutsche Welle via Almaty	German	ID,Kurz News	2207	SG
17850.0	0815	554	F	RFI	French	Report Kosovo,ID	2707	SG
17895.0	1530	343	BOT	VOA via Botswana relay	English	ID,News,bordercrossings	2507	SG
21840.0	1120	244	POR	Deutsche Welle via Sines	German	Report Westalgarve,ID	2207	SG

Thanks a lot to our club members for your contributions:

JT : José Turner, Portugal. Kenwood R-2000 & Sony 7600 GR with 25 metres longwire ,15 meters dipole,Homebrew RF Preamp & ATU.
 MF : Michael Frese, Osnabrueck, Germany. SONY ICF SW 7600G with Telescopic antenna.
 RAD : Richard A. D'Angelo, Wyomissing, PA, USA. Ten-Tec RX-340, Drake R-8B, Eton E1, Lowe HF-150 with Alpha Delta DX Sloper, Datong FL3.
 RL : Richard Lemke, St. Albert, Alberta, Canada. JRC NRD-535, HF random longwires w/ Grundig YB 550 PE.
 SG : Siegbert Gerhard, Frankfurt, Germany. YAESU FRG 7700 with 2x10 m. Long /Multiband dipole, lamda/4 via FRT 7700
 ZC : Zeljko Crncic, Mainz, Germany vacationing in Croatia.

Dear Friends,

Welcome to the August edition of Logbook.

This time we have bumper loggings thanks to all the members which is just appropriate for the double issue of DX Magazine.

Till next month take care and enjoy the autumn.

Thanks,

Ashok Kumar Bose

QSL CORNER

Editor: Richard Lemke, 60 Butterfield Crescent, St. Albert, Alberta, T8N 2W7, CANADA

Country	Station	QSL	Time	ORG	Remarks	OM
Austria	AWR via Moosbrun	f/d L	14 ds	11955 kHz	v/s Keren Eastwood, AWR Listener Services.	RAD
Belarus	Radio Belarus	C	30 ds	7105 kHz		TP
Bulgaria	Radio Bulgaria	C	9 ds	9600 kHz	for montor club reports	TP
China	CRI	C	20-30 ds	11650 kHz	2008 series Olympics cds	TP
China (Tibet)	China Tibet Peo Brd Stn	f/d cd	145 ds	5240 kHz		RAD
Cland Myanmar	Dem Voice of Burma	e-mail	7 ds	9490 kHz	via Wertachtal relay. T-Sytems v/s Walter Brodowsky	RAD
Cland (Iran)	Radio Zamaneh	f/d cd	160 ds	6245 kHz	v/s Mehdi Jami, RZ Director	RAD
Cyprus	CBC Nicosia	C	20 ds	963 MW	was heard on Rhodos Island	TP
Czech Rep.	Radio Prague	C	7 days	6055 kHz	Maganet	TP
Germany	DW Radio	C	19 ds	13780 kHz	Singapore relay site	TP
Guam	AWR Asia	C	12 ds	15435 kHz		TP
Iceland	Rikisutvarpid (RUV)	f/d cd	5 ds	12115 kHz		RAD
Japan	NHK World/Radio Japan	C	22 days	9850 kHz		TP
Korea (South)	KBS World Radio	C	17 ds	3955 kHz		TP
Pirate (N am)	The Crystal Ship	f/d cd	34 ds	3275 kHz	v/s The Poet	RAD
South Africa	Channel Africa	L	8 ds	15235 kHz		TP
Turkey	Voice of Turkey TRT	C	11 ds	13750 kHz		TP
Ukraine	Radio Ukraine Int	C	19 ds	7490 kHz	monitor club and certificate	TP
USA	WYFR	C	27 ds	7320 kHz		TP
USA	VOA via STP	C	30 ds	15580 kHz	card of Sao Tome	TP
USA	WHRI	C	60 ds	15665 kHz		TP

Thanks to our Reporters:

RAD = Richard A. D'Angelo, Wyomissing, PA, USA. Drake R-8B, Lowe HF-150, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4.

TP = Theo Peters, Amsterdam, Netherlands.

RADIO AND TELEVISION IN KUWAIT



RADIO

"Huna Al - Kuwait" or "Here's Kuwait". These words were heard for the first time when at 7:00 am on May 12, 1951, Radio Kuwait started its first transmission, ushering in a new era in the history of Kuwait.

Radio Kuwait started its first transmission using a 0.5 KW transmitter in one of the rooms in Naif palace. It later started broadcasting on short and medium wave lengths from the current Ministry of Information building. In 1960, a year before independence, four more transmitters were added.

The first feminine voice was also heard for the first time this year. Efforts continued to boost the station's transmission and in 1990, before the Iraqi invasion, the station's transmission capacity was 500 kilowatt and its reach included most of Europe and North America.

During the Iraqi occupation, Radio Kuwait continued to broadcast from Saudi Arabia. After liberation, Kuwait was determined to rebuild what it had lost. Radio Kuwait restarted transmissions from Kuwait on March 3, 1991 and two days later the medium wave channels were operational. By the end of 1991, all channels had started operating again.

Today, Radio Kuwait, under the auspices of the Ministry of Information, uses state-of-the-art broadcasting technology and its programmes reach out to a much wider audience inside and outside Kuwait. Its programmes in Arabic and English are broadcast on the FM, MW and SW frequencies and cover a wide range of subjects such as Arabic music (folk and modern), news, discussions, and current and social affairs.

Kuwait's English language radio stations broadcast a mix of current hit music and popular oldest in rock, contemporary and other styles. They also broadcast regular local and foreign news updates and financial and sports reports. Operating 24 hours a day from one of the most sophisticated studios in the world, local DJs and presenters are very popular on both live and pre-recorded shows.

Today, with more niche channels serving 24 hours a day, it has become possible to cater to much larger audiences. Radio Kuwait today has number of channels that broadcast various programmes covering all spheres of life such as media information, politics, society, literature, sports, the arts, news, songs and Quranic readings around the clock. Some programmes are also broadcast in English, Persian, Filipino and Urdu. While some programmes are broadcast 24 hrs a day, others are aired on time sharing/time slot basis.

There are three radio transmission stations:

1. Kabd: Has 20 transmission sets which range between medium wave and short wave.
2. Al-Makawa: Has two transmission sets and well as an emergency set
3. Al-Jeevan: Transmits FM programmes in Arabic and English.

TELEVISION

Television in Kuwait made a small beginning in 1957. However, the first real steps towards television transmission were taken in November 1961 when the late Amir of Kuwait, Sheikh Abdullah Al-Salem Al-Sabah, ordered that Kuwait TV be transferred to the State. Kuwait TV, thereof, became a part of the Ministry of News and Guidance, now known as the Ministry of Information. Soon, the Al-Muha'a transmission station was established and its transmission reached the entire country.

Development of television in Kuwait happened in three phases. Phase one began when Kuwait TV began telecasting programmes in black and white for four hours per day from November 15, 1961 until March 15, 1974. The second phase began with the transmission of the colour German PAL signals.

The third phase began with the inauguration of its new headquarters in the Information Complex on February 17, 1979. The new building was equipped with the most sophisticated equipment enabling the station to offer a variety of programmes -- drama, cartoons, cultural, scientific, religious, Arabic programmes, local series, western series, variety programmes, news and political programmes.

Kuwait has four state-run TV channels.

KTV 1 broadcasts a comprehensive variety of programmes in Arabic including music shows, films and news and current affairs programmes from morning until late evening.

KTV2 telecasts a variety of family programmes in English. Many of these programmes are extremely popular. Some programmes, such as the evening movie, are subtitled in Arabic.

KTV3 is Kuwait's sports channel. It telecasts a truly wide selection of live and pre-recorded sporting events from all over the world, some with voice-overs in Arabic.

KTV4 is a recreational channel and offers an entertaining mix of programmes in Arabic and English throughout the night.

Marking a first in Kuwait's history, Studio 160 - a digital video studio - has been established. The studio has enabled better quality transmission and picture resolution without any signal loss during transmission.

For exact details and schedules of the programmes, tune into the Radio Kuwait or just visit the Radio Kuwait website <<http://www.moinfo.gov.kw>> (not online since some time - mb)

Here is their current transmission schedule on shortwaves:

0130-1305	6055	Arabic	Near East
0400-0930	15495	Arabic	North Africa
0500-0800	15110	English	South Asia
0800-1000	9750	Farsi	Iran
0915-1300D	13620	Arabic	Europe and North America
1000-1200	17885	Tagalog	Philippines
1015-1745*	15505	Arabic	Africa
1200-1505*	17885	Arabic	Far East
1315-2115D	9880	Arabic	North Africa
1515-1800	11990	Arabic	Europe
1800-2100	11990	English	Europe
1800-2130	15505	Arabic	Europe
1800-2400	9855	Arabic	Europe
1800-2400	15495	Arabic	Africa
2200-0200D	11675	Arabic	North America [West Coast]

Notes: (*) Recitation of the Holy Coran (D) DRM transmission

Address: Ministry of Information, Department of Frequency Management, Radio Kuwait, P.O. Box 967, Safat 13010, Kuwait. E-mail: <kwtfreq@media.gov.kw>. Web: <<http://www.moinfo.gov.kw>>.

(Kuwait-Info Website; Kai Ludwig, Germany; Michael Bethge, Germany)

MALAYSIA RADIO BROADCASTING IN MALAYSIAN BORNEO - SABAH

This article features all known information about the Japanese & Australian & Malaysian radio stations on Labuan Island and Malaysian North Borneo - Sabah during the formative years. On several occasions I have visited Kota Kinabalu in North Borneo and during my most recent visit I found an old radio receiver, a prewar model made in England. This radio had a glass dial upon which were printed the local radio stations, SW & MW, that were on the air in that part of Asia at the time. A splendid historic item, but how to get it back to USA! New Year greetings! AMP.

Located at the northern tip on the island of Borneo is the territory known as Sabah. This geographic entity is a state of Malaysia and it occupies an area of 29,000 square miles with a population something over one million people. The capital city, known in earlier years as Jesselton, was renamed Kota Kinabalu in 1968.

Back one thousand years ago, tribal groups were already settled in many areas of Borneo, and European explorers began to visit the area in the 1500s. In the mid 1800s, the British took over the coastal areas of north Borneo, and on January 1, 1942, Japanese forces landed on Labuan island off the coast of Sabah. For a period of more than four years, the island was known as Pulau Maida, in honor of the local Japanese commander. Australian forces landed on Pulau Maida on June 5, 1945, and soon took over the mainland areas of Sabah also. Sabah became the eastern-most state of Malaysia on September 16, 1983.

The story of radio broadcasting in Sabah goes back to the early days of wireless transmission, in the 1920s and 1930s, when two stations were installed, VCK on Labuan Island and VQA at Jesselton. Interestingly, more events in radio history occurred on the small and beautiful, touristy island of Labuan than in the larger territory of Sabah itself. So, let's take a look at these historic events as they transpired on Labuan Island.

Remarkable as it may seem, a total of six radio broadcasting stations were on the air on the island of Labuan in the short span of just two years. Mobile forces of the Australian army landed on Labuan on June 5, 1945 and just six days later, an army photographer took a series of black & white photographs of what was described as a broadcasting station. Obviously, because of the short time span, this had to be an installation that was abandoned by the Japanese. This is indeed a tantalizing news item. There are no known DX reports anywhere in the world that indicate that the Japanese were on the air from a broadcasting station located in North Borneo. We could ask the question: Was this station then a program broadcasting station, or in reality a station used for the broadcast of communication information to Japanese personnel throughout the area?

Now, just two or three weeks later, an Australian soldier in North Borneo reported to a radio magazine in Melbourne Victoria that he heard on local mediumwave a relay broadcast from the American shortwave station KROJ in California. A correlation of the specific dates assures us that this mediumwave relay of an American shortwave program took place more than three months before the arrival of mobile radio stations from Australia. Could we speculate then that radio personnel in the Australian army on Labuan began to experiment with the Japanese radio station and made a few test broadcasts on mediumwave using a shortwave receiver as a program source?

To add to this intriguing story, we find next, that a month or two later, an Australian soldier stationed in North Borneo visited a broadcasting station that was identified on air as JL2, apparently located on Labuan Island. He stated that the equipment was totally Japanese and that it was a neat operation. Maybe station JL2 was a subsequent usage of the same facility that was photographed by the Australian photographer.

The output power at station JL2 was 50 watts, and the antenna is described as a 100 ft wire, which fits the antenna system as shown in the black & white photograph. This station was heard in North Borneo, the Philippines and New Guinea on a shortwave channel given as 42 metres.

The broadcasting service from station JL2 was followed by Radio Labuan, a 500 watt shortwave station operating from a three ton army truck. This new Radio Labuan began service on October 1, 1945 and it was on the air for a period of six weeks. It is suggested that this was an army communication facility that was taken over for a program broadcasting service. The shortwave transmitter was an American-made Hallicrafters model BC610 fed into a half wave center-fed Zeppelin tuned to a 7 MHz channel.

Shortwave Radio Labuan was followed briefly by an AAAS station, unidentified at the time, but operating on 980 kHz. It is presumed that this was the 10 watt Australian mobile station 9AP which was known to be in the area at the

time.

Next came another mobile AAAS station, 9AF, which was transported from Sydney Harbour on the American navy vessel, USS "Henry Ricea", and delivered to Tarakan in Borneo and then apparently driven overland and ultimately delivered to Labuan Island in October. However, simultaneously, a specific radio building was under construction on Labuan Island and the electronic equipment from the three 3 ton trucks was installed into the more spacious building. This rather substantial radio station was inaugurated on November 8, 1945, and it was on the air for approximately five months.

Around November 1946, the noted Arne Skoog in Sweden heard a station that he identified as Radio Labuan on the unusual channel 2995 kHz. Nothing more is known about this station, and it could have been the first [sic] harmonic >from a mediumwave unit on 1497.5 kHz, or a fundamental emission from an army communication station in the 100 metre band.

That's the end of the story about radio broadcasting on Labuan Island, Sabah, North Borneo, until the more recent era when Radio Malaysia established local relay stations on this notable tourist island. So, let's go across the waterways to the mainland area of Jesselton or Kota Kinabalu itself, the modern and progressive state capital of the Malaysian state of Sabah. As mentioned earlier, there was a spark wireless station, VQA, on the air for Morse Code communication with Singapore back in the 1920s and 1930s.

Then, in January 1946, there was a 10 watt mobile station on the air in Jesselton on 980 kHz. This station, with the callsign 9AO, was then transferred to the Indonesian island of Morotai a few weeks later, on March 4. It was then intended that another 10 watt mobile station, 9AP, would be transferred for service in the Jesselton area. However, that plan was deleted due to the fact that Australian servicemen had transferred out to other areas.

Next comes the story of regular radio broadcasting in Jesselton which began in 1952 with an experimental program service from the 250 watt shortwave communication station VS4S. Temporary studios were installed on Bruce Hill, the antenna was a folded dipole a quarter wavelength above ground, and programming consisted mainly of news and announcements.

It was announced in 1952 that a new shortwave station was under installation near Jesselton and it was officially inaugurated in November 1955 with 5 kW under the regular callsign VQA.

Some eleven years later, a new studio building was erected for Radio Sabah on Tuaran Road. This was at about the same time as the Federation of Malaysia was formed and the British colony of Sabah became the eastern-most state of Malaysia. The name of the state capital, Jesselton, was changed to Kota Kinabalu, in honor of the high mountain nearby, five years after federation.

This original shortwave transmitter at Jesselton - Kota Kinabalu was rated at 5 kW and it was in general broadcast usage for a period of nearly twenty years on two major channels, 4970 kHz and 5980 kHz.

However, in 1969, a new radio base was established at Laya Laya, near Kota Kinabalu, and two new 10 kW shortwave transmitters were installed. This new facility was officially inaugurated on May 1, 1971.

These two NEC shortwave transmitters from Japan were in constant usage for many years, and apparently one gave out half a dozen years ago, and the other just more recently. The last known logging of Radio Malaysia Sabah on shortwave occurred on September 27, 2003 when an Australian monitor, Craig Seager, heard the station and made the observation that this station "was not often heard".

However, in spite of the fact that this lonely shortwave station does seem to be off the air these days, yet the two shortwave channels, 4970 kHz & 5980 kHz, have been registered for use by Radio Malaysia in Kota Kinabalu in more recent time. It is probable that their nationwide mediumwave and FM networks, together with the high powered 700 kW mediumwave transmitter on 1475 kHz, now give adequate radio coverage throughout Sabah.

Back during the era when Sabah was active on shortwave, QSL cards were issued, both by the original Radio Sabah, and subsequently by Radio Malaysia Sabah.

(Adrian Peterson for AWR Wavescan, via DXLD, via Wolfgang Büschel)

EDXC RADIO COUNTRIES

Explanations and key to columns and symbols

ITU	:	the country code used by the ITU. Not available for all radio countries
Zone	:	the CIRAF zone of the radio country. See the separate file for the CIRAF zone map
Country	:	the recommended English language name of the radio country
Remarks	:	additional information
<u>Underlined</u>	:	first or last date of existence of a radio country. Other dates are for information purposes only
Until (to)	:	is followed by the last date included in a time period
Since (from)	:	is followed by the first date included in a time period
†	:	means an extinct ("dead" or former) radio country or a reference to such a country
*	:	means a reference to a current radio country

Other abbreviations used are standard ones.

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1 EUROPE

ITU	Zone	Radio country	Remarks
ALB	28	ALBANIA	
AND	27	ANDORRA	
AUT	28	AUSTRIA	
AZR	36	AZORES	
BEL	27	BELGIUM	
BLR	29	BELARUS	<u>since 26 Dec 1991</u> ; before that part of the †USSR as the Belorussian SSR
BIH	28	BOSNIA AND HERZEGOVINA	<u>since 6 Apr 1992</u> ; before that part of Yugoslavia (*Serbia and Montenegro)
BUL	28	BULGARIA	
-	28	BÜSINGEN	German enclave in the Swiss canton of Schaffhausen
-	28	CAMPIONE	Italian enclave in the Swiss canton of Ticino
HRV	28	CROATIA	<u>since 15 Jan 1992</u> ; before that part of Yugoslavia (*Serbia and Montenegro)
TCH	28	†CZECHOSLOVAKIA	<u>until 31 Dec 1992</u> ; then as *Czech Republic and *Slovakia
CZE	28	CZECH REPUBLIC	<u>since 1 Jan 1993</u> ; before that part of †Czechoslovakia
DNK	18	DENMARK	incl. Bornholm island
EST	29	ESTONIA	<u>since 6 Sep 1991</u> ; before that part of the †USSR
-	18	FAROE ISLANDS	
FIN	18	FINLAND	incl. Ahvenanmaa (Åland) islands

F	27	FRANCE	incl. Corsica (Corse) island; excl. the Fontbonne and Col de la Madonne (Mt. Agel) transmitter sites of Radio Monte Carlo, cf. *Monaco
D	28	GERMANY	<u>since 3 Oct 1990</u> ; before that as †Germany, East, †Germany, West and †West Berlin
DDR	28	†GERMANY, EAST	<u>until 2 Oct 1990</u> ; after that part of *Germany; officially: German Democratic Republic (GDR) or DDR; 8 May 1945 to 6 Oct 1949 Soviet Occupation Zone in Germany and Soviet Sector of Berlin
-	28	†GERMANY, WEST	<u>until 2 Oct 1990</u> ; after that part of *Germany; officially: Federal Republic of Germany; since 1 Jan 1957 incl. †Saar; 8 May 1945 to 22 May 1949 American, British and French Occupation Zones in Germany
GIB	37	GIBRALTAR	= British Gibraltar
GRC	28	GREECE	incl. Crete, the Aegean Is. and the Dodecanese Is.
HNG	28	HUNGARY	
ISL	17	ICELAND	
IRL	27	IRELAND (ÉIRE)	
I	28	ITALY	incl. Sardinia (Sardegna), Sicily (Sicilia), Linosa, Pantelleria, Lampedusa, since 6 Oct 1954 incl. northern part of Trieste (Zone A); excl. the Santa Maria di Galeria transmitter site, cf. *Vatican City State
-	18	JAN MAYEN	
-	29	KALININGRAD	<u>since 6 Sep 1991</u> ; before that part of the †USSR as the Kaliningradskaya oblast, now enclave of *Russia
LVA	29	LATVIA	<u>since 6 Sep 1991</u> ; before that part of the †USSR
LIE	28	LIECHTENSTEIN	
LTU	29	LITHUANIA	<u>since 6 Sep 1991</u> ; before that part of the †USSR
LUX	27	LUXEMBURG	
MKD	28	MACEDONIA	<u>since 8 Apr 1993</u> ; before that part of Yugoslavia (*Serbia and Montenegro)
MLT	28	MALTA	incl. Gozo
MDA	28	MOLDOVA	<u>since 26 Dec 1991</u> ; before that part of the †USSR as the Moldavian SSR
MCO	27	MONACO	incl. the Fontbonne and Col de la Madonne (Mt. Agel) transmitter sites on adjacent French territory, not incl. the Roumoules site in France
HOL	27	NETHERLANDS	also known as Holland
MNE	28	MONTENEGRO	from 4 June 2006; until 3 June 2006 part of †Serbia and Montenegro
NOR	18	NORWAY	
POL	28	POLAND	
POR	37	PORTUGAL	
ROU	28	ROMANIA	
RUS	---	RUSSIA	<u>since 26 Dec 1991</u> ; before that part of the †USSR; including Asian part
-	28	†SAAR	<u>3 Jan 1948 to 31 Dec 1956</u> a separate radio country, then to †Germany, West; now part of *Germany
SMR	28	SAN MARINO	
SRB	28	SERBIA	from 4 June 2006; until 3 June 2006 part of †Serbia and Montenegro
YUG	28	†SERBIA AND MONTENEGRO	until 4 Feb 2003 known as Yugoslavia; since 6 Oct 1954 incl. southern part of †Trieste (now in *Slovenia); since 15 Jan 1992 excl. *Croatia, *Slovenia; since 6 Apr 1992 excl. *Bosnia and Herzegovina; since 8 Apr 1993 excl. *Macedonia; divided into *Serbia and *Montenegro from 4 June 2006
SVK	28	SLOVAKIA	<u>since 1 Jan 1993</u> ; before that part of †Czechoslovakia
SVN	28	SLOVENIA	<u>since 15 Jan 1992</u> ; before that part of Yugoslavia (*Serbia and Montenegro)
E	37	SPAIN	incl. the Balearic Is. and Isla Alborán; excl. *Ceuta and *Melilla
-	18	SVALBARD	also known as Spitsbergen; incl. Bjørnøya (Bear I.)

S	18	SWEDEN	incl. Gotland and Öland
SUI	28	SWITZERLAND	
-	28	†TRIESTE	<u>10 Feb 1947 to 5 Oct 1954</u> a separate radio country; then northern part (Zone A) to *Italy and southern part (Zone B) to Yugoslavia (*Serbia and Montenegro) and then to *Slovenia
UKR	29	UKRAINE	<u>since 26 Dec 1991</u> ; before that part of the †USSR
G	27	UNITED KINGDOM	= England, Scotland, Wales, Northern Ireland; incl. the Channel Is., Isle of Man, the Orkney and the Shetland Is.
URS	---	†USSR	(Soviet Union); <u>until 25 Dec 1991</u> ; since 6 Sep 1991 excl. *Estonia, *Latvia, *Lithuania, *Kaliningrad; from 26 Dec 1991 as *Belarus, *Moldova, *Russia, *Ukraine, all in Europe, and *Armenia, *Azerbaijan, *Georgia, *Kazakstan, *Kyrgyzstan, *Nakhichevan, *Tajikistan, *Turkmenistan, *Uzbekistan, all in Asia
CVA	28	VATICAN CITY STATE	incl. the Santa Maria di Galeria transmitter site (extraterritorial rights area in *Italy)
-	28	†WEST BERLIN	<u>until 2 Oct 1990</u> ; after that part of *Germany; 8 May 1945 to 22 May 1949 American, British and French Sectors of Berlin

Europe total: 51 + †7 radio countries

Note: There are also many other, usually very small, enclaves in Europe. The editor invites information about confirmed broadcast activities from any such enclave.

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2 AFRICA

ITU	Zone	Radio country	Remarks
ALG	37	ALGERIA	
AGL	52	ANGOLA	excl. *Cabinda
-	52	ANNOBON (PAGALU)	outlying part of *Equatorial Guinea
ASC	66	ASCENSION	
BEN	46	BENIN	<u>since 4 Dec 1958</u> ; before that part of †French West Africa; until 30 Nov 1975 named Dahomey
-	46	†BIAFRA	<u>30 May 1967 to 15 Jan 1970</u> a separate radio country; before and after this period part of *Nigeria
BOT	57	BOTSWANA	until 29 Sep 1966 Bechuanaland; since 30 Sep 1966 excl. the Imperial Reserve in Mafeking (cf. *South Africa)
-	46	†BRITISH CAMEROONS	<u>until 30 Sep 1961</u> ; 1 Jun 1961 northern part to *Nigeria, 1 Oct 1961 southern part (incl. towns of Buea, Bamenda) to *Cameroon
-	48	†BRITISH SOMALILAND	<u>until 30 Jun 1960</u> ; after that part of *Somalia
BFA	46	BURKINA FASO	<u>since 11 Dec 1958</u> ; before that part of †French West Africa; until 840802 named Upper Volta
BDI	53	BURUNDI	<u>since 1 Jul 1962</u> ; before that part of †Ruanda-Urundi
	52	CABINDA	enclave of *Angola
CME	47	CAMEROON	from 1 Oct 1961 incl. the southern part of †British Cameroons
CNR	36	CANARY ISLANDS	
CPV	46	CAPE VERDE	

CAF	47	CENTRAL AFRICAN REPUBLIC	<u>since 1 Dec 1958</u> ; before that part of †French Equatorial Africa
-	37	CEUTA	<u>since 7 Apr 1956</u> ; before that part of †Spanish Morocco
TCD	47	CHAD (TCHAD)	<u>since 28 Nov 1958</u> ; before that part of †French Equatorial Africa
COM	53	COMOROS	since 6 Jul 1975 excl. *Mayotte
COG	52	CONGO, REPUBLIC OF THE	<u>since 28 Nov 1958</u> ; before that part of †French Equatorial Africa; until 15 Aug 1960 named French Congo, then Congo-Brazzaville
ZAI	52	CONGO, DEMOCRATIC REPUBLIC OF THE	until 29 Jun 1960 named Belgian Congo; from 30 Jun 1969 named first Congo-Léopoldville, then Congo-Kinshasa, from 28 Oct 1971 named Zaire, in 1997 changed to the current name; 11 Jul 1960 to 31 Dec 1962 excl. †Katanga
DJI	48	DJIBOUTI	until 5 Jun 1967 named French Somali Coast (French Somaliland), then until 26 Jun 1977 Afars & Issas
EGY	38	EGYPT	22 Feb 1958 to 31 Aug 1971 named United Arab Rep.; incl. Asian part; since 23 Jul 1956 incl. the †Suez Canal Zone; cf. *Israel
GNE	47	EQUATORIAL GUINEA	= Mbini (Río Muni) & Bioko (Fernando Póo); excl. *Annobón; until 11 Oct 1968 named Spanish Guinea
ERI	48	ERITREA	<u>until 10 Sep 52</u> and <u>from 24 May 1993</u> ; during the intervening period to *Ethiopia
ETH	48	ETHIOPIA	11 Sep 1952 to 23 May 1993 incl. *Eritrea
-	53	EUROPA	= Europa Island and Bassas da India (islands); French possessions in the Mozambique Channel
-	47	†FRENCH EQUATORIAL AFRICA	<u>until 30 Nov 1958</u> ; since 28 Nov 1958 excl. *Chad, *Congo, *Gabon; remaining part as *Central African Rep. from 1 Dec 1958
-	37	†FRENCH MOROCCO	<u>until 1 Mar 1956</u> ; then part of *Morocco
-	46	†FRENCH WEST AFRICA	<u>until 17 Dec 1958</u> ; since 2 Oct 1958 excl. *Guinea; since 24 Nov 1958 excl. the Sudanese Rep. (now *Mali) and *Sénégal; since 3 Dec 1958 excl. *Ivory Coast and Dahomey (now *Benin); since 11 Dec 1958 excl. Upper Volta (now *Burkina Faso); remaining part as *Niger from 18 Dec 1958
GAB	52	GABON	<u>since 28 Nov 1958</u> ; before that part of †French Equatorial Africa
GMB	46	GAMBIA	
GHA	46	GHANA	until 5 Mar 1957 named Gold Coast
GUI	46	GUINEA	<u>since 2 Oct 1958</u> ; before that part of †French West Africa
GNB	46	GUINEA-BISSAU	until 9 Sep 1974 Portuguese Guinea
-	37	†IFNI	<u>until 29 Jun 1969</u> ; after that part of *Morocco
-	48	†ITALIAN SOMALILAND	<u>until 30 Jun 1960</u> ; after that part of *Somalia
CTI	46	IVORY COAST	<u>since 3 Dec 1958</u> ; before that part of †French West Africa
-	53	JUAN DE NOVA	island, G.C: 17.02S/43.42E
-	52	†KATANGA	<u>11 Jul 1960 to 31 Dec 1962</u> a separate radio country; before and after this period part of Congo-Léopoldville (now *Congo-Kinshasa)
KEN	48	KENYA	
LSO	57	LESOTHO	until 3 Oct 1966 named Basutoland
LBR	46	LIBERIA	
LBY	38	LIBYA	until 23 Dec 1951 = Cyrenaica & Tripolitania
MDG	53	MADAGASCAR	26 Jun 1960 to 20 Dec 1975 named Malagasy Republic
MDR	36	MADEIRA	
MWI	53	MALAWI	until 5 Jul 1964 named Nyasaland
MLI	46	MALI	<u>since 24 Nov 1958</u> ; before that part of †French West Africa; until 20 Aug 1960

		the Sudanese Rep., 16 Jan 1959 to 20 Aug 1960 within the Mali Federation
MTN 46	MAURITANIA	<u>since 28 Nov 1958</u> ; before that part of †French West Africa
MAU 53	MAURITIUS	incl. Agalega Islands, Cargados Carajos Shoals (Saint Brandon) and Rodrigues
MYT 53	MAYOTTE	<u>since 6 Jul 1975</u> ; before that part of *Comoros; territorial collectivity of France; incl. Îles Glorieuses (Glorioso Islands), possession of France;
- 37	MELILLA	<u>since 7 Apr 1956</u> ; before that part of †Spanish Morocco
MRC 37	MOROCCO	<u>since 2 Mar 1956</u> ; since 7 Apr 1956 incl. †Spanish Morocco; since 29 Oct 1956 incl. †Tangier; since 1 Apr 1958 incl. Tarfaya region of †Spanish Sahara; since 30 Jun 1969 incl. †Ifni; since 26 Feb 1976 incl. rest of †Spanish Sahara (disputed)
MOZ 53	MOZAMBIQUE	
NMB 57	NAMIBIA	until 20 Mar 1990 named South West Africa; since 1 Mar 1994 incl. †Walvis Bay
NGR 46	NIGER	<u>since 18 Dec 1958</u> ; before that part of †French West Africa
NIG 46	NIGERIA	30 May 1967 to 15 Jan 1970 excl. †Biafra; from 1 Jun 1961 incl. northern part of †British Cameroons
REU 53	REUNION	overseas department of France; incl. Tromelin Island, French possession
- 53	†RUANDA-URUNDI	<u>until 30 Jun 1962</u> ; then as *Burundi and *Rwanda
RRW 53	RWANDA	<u>since 1 Jul 1962</u> ; before that part of †Ruanda-Urundi
STP 47	SÃO TOMÉ & PRÍNCIPE	
SEN 46	SENEGAL	<u>since 25 Nov 1958</u> ; before that part of †French West Africa; 16 Jan 1959 to 20 Aug 1960 part of the Mali Federation, cf. *Mali
SEY 53	SEYCHELLES	incl. Outer Islands, i.e. Aldabra, Coetivy, Farquhar and the Amirante Islands. From 8 Nov 1965 to 28/29 June 1976 the Aldabra Islands, Farquhar and Desroches Islands were an outlying part of the British Indian Ocean Territory
SRL 46	SIERRA LEONE	
SOM 48	SOMALIA	<u>since 1 Jul 1960</u> ; before that as †British Somaliland and †Italian Somaliland
AFS 57	SOUTH AFRICA	since 30 Sep 1966 incl. the Imperial Reserve in Mafeking; incl. the former so called homelands; excl. †Walvis Bay
- 37	†SPANISH MOROCCO	<u>until 6 Apr 1956</u> ; then part of *Morocco, exc. for *Ceuta and *Melilla
AOE 46	†SPANISH SAHARA	<u>until 25 Feb 1976</u> ; then to *Morocco; since 1 Apr 1958 the Tarfaya region to *Morocco
SHN 66	ST. HELENA	
SDN 47, 48	SUDAN	
- 38	†SUEZ CANAL ZONE	<u>until 22 Jul 1956</u> ; then part of *Egypt
SWZ 57	SWAZILAND	
TGK 53	†TANGANYIKA	<u>until 25 Apr 1964</u> ; then part of *Tanzania
- 37	†TANGIER	<u>until 28 Oct 1956</u> ; then part of *Morocco
TZA 53	TANZANIA	<u>since 26 Apr 1964</u> ; before that as †Tanganyika and †Zanzibar; until 28 Oct 1964 named Tanganyika and Zanzibar
TGO 46	TOGO	
TRC 66	TRISTAN DA CUNHA	incl. Gough I.
TUN 37	TUNISIA	
UGA 48	UGANDA	
- 57	†WALVIS BAY	<u>until 28 Feb 1994</u> as enclave of *South Africa; then part of *Namibia
ZMB 53	ZAMBIA	until 23 Oct 1964 named Northern Rhodesia
ZAN 53	†ZANZIBAR	<u>until 25 Apr 1964</u> ; then part of *Tanzania; incl. Pemba

ZWE 53 ZIMBABWE until 23 Oct 1964 named Southern Rhodesia, then until 18 Apr 1980 named Rhodesia

Africa total: 66 + †17 radio countries

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3 ASIA

ITU	Zone	Radio country	Remarks
AFG 40		AFGHANISTAN	
- 49		ANDAMAN & NICOBAR ISLANDS	
ARM 29		ARMENIA	<u>since 26 Dec 1991</u> ; before that part of the †USSR
AZE 29		AZERBAIJAN	<u>since 26 Dec 1991</u> ; before that part of the †USSR; incl. Nagorno-Karabakh, excl. *Nakhichevan
BHR 39		BAHRAIN	
BGD 41		BANGLADESH	<u>since 15 Aug 1947</u> ; before that part of †British India; until 26 Mar 1971 named East Pakistan
BTN 41		BHUTAN	
- 41		†BRITISH INDIA	<u>until 14 Aug 1947</u> ; then as *India, East Pakistan (now *Bangladesh), †Hyderabad and West Pakistan (now *Pakistan)
BIO 41		BRITISH INDIAN OCEAN TERRITORY	until 7 Nov 1965 named Chagos Archipelago; incl. Diego Garcia; often named BIOT; overseas territory of the UK
BRU 54		BRUNEI	
CBG 49		CAMBODIA	<u>since 8 Nov 1949</u> ; before that part of †French Indo-China; 17 Apr 1975 to 7 Jan 1980 named Khmer Republic, then until 1 May 1989 named Kampuchea
- 42-44		†CHINA	<u>until 30 Sep 1949</u> ; then as *China, P.R. and *Taiwan
CHN 42-44		CHINA, PEOPLE'S REPUBLIC	<u>since 1 Oct 1949</u> ; before that part of †China; incl. Paracel (Zhongsha) Is., Macclesfield Bank (Xisha I.) and Pratas (Dongsha) Is.; incl. Ladakh area in Kashmir; from 23 May 1951 including †Tibet; from 1 July 1997 including †Hong Kong; from 20 Dec 1999 including †Macau
CHR 54		CHRISTMAS ISLAND	in the Indian Ocean, G.C: 10.30S/105.40E; territory of Australia
ICO 87		COCOS (KEELING) ISLANDS	G.C: 12S/97E; territory of Australia
CYP 39		CYPRUS	since 15 Nov 1983 excl. *Cyprus, Northern (Turkish occupation zone); including the Sovereign Base Areas
- 39		CYPRUS, NORTHERN	<u>since 15 Nov 1983</u> ; Turkish occupation zone, unilaterally declared republic, not internationally recognized, but de facto existing as a separate radio country
TMP 54		EAST TIMOR	<u>since 20 May 2002</u> ; also <u>until 16 Jul 1976</u> as Timor, Portuguese; during the intervening period part of *Indonesia as Timor Timur province (illegal occupation); also known as Timor Loro Sa'e or Timor Leste; excl. *Oecussi
- 49		†FRENCH INDO-CHINA	<u>until 7 Nov 1949</u> ; since 8 Mar 1949 excl. *Vietnam, since 19 Jul 1949 excl. *Laos, and remaining part as *Cambodia from 8 Nov 1949
GEO 29		GEORGIA	<u>since 26 Dec 1991</u> ; before that part of the †USSR
- 41		†GOA	<u>until 18 Dec 1961</u> ; then part of *India; administratively part of Portuguese India
HKG 44		†HONG KONG	<u>until 30 June 1997</u> ; then part of *China, People's Republic; name in Standard

			Chinese: Xiang Gang
-	41	†HYDERABAD	<u>15 Aug 1947 to 17 Sep 1948</u> a separate radio country, before this period part of †British India, after this period part of *India; a princely state
IND	41	INDIA	<u>since 15 Aug 1947</u> ; before that part of †British India; incl. the part of Kashmir not under Pakistani control; incl. Lakshadweep (Laccadive Is.); since 19 Dec 1961 incl. †Goa; until 17 Sep 1948 excl. †Hyderabad
INS	51, 54	INDONESIA	until 16 Aug 1945 Dutch India; since 1 May 1963 incl. †Dutch New Guinea (West Irian, Irian Jaya); from 17 Jul 1976 to 19 May 2002 incl. *East Timor (former Timor, Portuguese)
IRN	40	IRAN	= Persia
IRQ	39	IRAQ	
-	39	†IRAQ-SAUDI ARABIA	<u>until 30 Nov 1982</u> ; then to Saudi Arabia
		INTERNATIONAL ZONE	
ISR	39	ISRAEL	<u>since 14 May 1948</u> ; before that part of †Palestine; incl. the autonomous Palestinian areas; territory enlarged/adjusted 1956, 1967 and 1973-74
J	45	JAPAN	since 15 May 1972 incl. †Ryu Kyu Is.
JOR	39	JORDAN	until 31 Dec 1948 Transjordan; since 14 May 1948 incl. parts of †Palestine outside Israel; cf. *Israel
KAZ	30, 31	KAZAKSTAN	<u>since 26 Dec 1991</u> ; before that part of the †USSR; incl. European part
-	44	†KOREA	<u>until 14 Aug 1948</u> ; then as *Korea, North and *Korea, South
KRE	44	KOREA, NORTH	<u>since 15 Aug 1948</u> ; before that part of †Korea
KOR	44	KOREA, SOUTH	<u>since 15 Aug 1948</u> ; before that part of †Korea; incl. Cheju, Paengnyong and Taech'ong Is.
KWT	39	KUWAIT	
KGZ	31	KYRGYZSTAN	<u>since 26 Dec 1991</u> ; before that part of the †USSR
LAO	49	LAOS	<u>since 19 Jul 1949</u> ; before that part of †French Indo-China
LBN	39	LEBANON	
MAC	44	†MACAU	<u>Until 19 Dec 1999</u> ; since then part of *China; name in Chinese: Aomen or Oumen.
-	54	MALAYSIA, EASTERN	<u>since 16 Sep 1963</u> ; before that as †Sabah and †Sarawak
MLA	54	MALAYSIA, WESTERN	before 16 Sep 1963 Malaya; 16 Sep 1963 to 8 Aug 1965 incl. *Singapore
MLD	41	MALDIVES	incl. Addu Atoll and Gan
MNG	32, 33	MONGOLIA	= Outer Mongolia
BRM	49	MYANMAR (BURMA)	
-	29	NAKHICHEVAN	<u>since 26 Dec 1991</u> ; before that part of the †USSR; enclave of *Azerbaijan
NPL	41	NEPAL	
-	54	OECUSSI	<u>until 16 Jul 1976</u> and <u>since 20 May 2002</u> ; enclave of *East Timor; during the intervening period part of *Indonesia as part of the Timor Timur province (illegal occupation); also known as Oekussi or Oecussi-Ambeno
OMA	39	OMAN	incl. Masirah I.; since 30 Nov 1967 incl. Kuria-Muria Island; until 15 Jan 1971 named Muscat & Oman
PAK	41	PAKISTAN	<u>since 15 Aug 1947</u> ; before that part of †British India; incl. the part of Kashmir under Pakistani control; until 16 Dec 1971 named West Pakistan
-	39	†PALESTINE	<u>until 13 May 1948</u> ; then as *Israel and Transjordan (now in *Jordan); the current autonomous Palestinian areas within *Israel as yet do not qualify for status as a separate radio country

PHL	50	PHILIPPINES	
QAT	39	QATAR	
-	39	RAS MUSANDAM	enclave of *Oman (tip of Musandam Peninsula)
RYU	45	†RYUKYU ISLANDS	<u>until 14 May 1972</u> ; then part of Japan; incl. Daito (Borodino) Islands
-	54	†SABAH	<u>until 15 Sep 1963</u> ; then part of *Malaysia, Eastern; officially was named British North Borneo
-	54	†SARAWAK	<u>until 15 Sep 1963</u> ; then part of *Malaysia, Eastern
ARS	39	SAUDI ARABIA	since 1 Dec 1982 incl. Iraq-Saudi Arabia International Zone
-	41	†SIKKIM	<u>until 25 Apr 1975</u> ; then part of *India
SNG	54	SINGAPORE	<u>1 Apr 1945 to 16 Sep 1963</u> and since <u>9 Aug 1965</u> ; before 1 Apr 1945 and 17 Sep 1963 to 8 Aug 1965 part of *Malaysia, Western (Malaya)
-	50	SPRATLY ISLANDS	also named (in Chinese) Nansha (incl. Taiping, Nanwei and Mahuan Is.) or (in Vietnamese) Quần Đảo Hoàng Sa; also claimed by Taiwan and the Philippines
CLN	41	SRI LANKA	until 21 May 1972 named Ceylon
SYR	39	SYRIA	excl. areas under Israeli control (cf. *Israel)
TJK	30	TAJIKISTAN	since 26 Dec 1991; before that part of the †USSR
TWN	44	TAIWAN	<u>since 1 Oct 1949</u> ; before that part of †China; officially named Republic of China (R.O.C.), in Chinese: Chunghua Minkuo; incl. Penghu (Pescadores), Matsu and Kinmen (Quemoy)
THA	49	THAILAND	until 13 May 1949 named Siam
-	42, 43	†TIBET	<u>until 22 May 1951</u> ; then part of *China, People's Republic as the Xizang Autonomous Region
TUR	39	TURKEY	incl. European part
TKM	30	TURKMENISTAN	<u>since 26 Dec 1991</u> ; before that part of the †USSR
UAE	39	UNITED ARAB EMIRATES	= Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah and Umm al Qiwain; until 1 Dec 1971 named Trucial Oman or Trucial States
UZB	30	UZBEKISTAN	<u>since 26 Dec 1991</u> ; before that part of the †USSR
VTN	49	VIETNAM	<u>since 8 Mar 1949</u> ; before that part of †French Indo-China; <u>except 21 Jul 1954 to 2 Jul 1976</u> , when divided into †Vietnam, North and †Vietnam, South
-	49	†VIETNAM, NORTH	<u>21 Jul 1954 to 2 Jul 1976</u> a separate radio country; before and after this period part of *Vietnam
-	49	†VIETNAM, SOUTH	<u>21 Jul 1954 to 2 Jul 1976</u> a separate radio country, before and after this period part of *Vietnam
YEM	39	YEMEN	<u>since 22 May 1990</u> ; before that as †Yemen, North and †Yemen, South
-	39	†YEMEN, NORTH	<u>until 21 May 1990</u> ; then part of *Yemen; incl. Kamaran Island (disputed); officially named Yemen Arab Rep.
YMS	39	†YEMEN, SOUTH	<u>until 21 May 1990</u> ; then part of *Yemen; incl. Perim Island; since 30 Nov 1967 incl. Socotra Is.; until 30 Nov 1967 known as Aden Protectorate and South Arabian Federation; until 1963 known as Aden and Aden Protectorate

Asia total: 58 + †18 radio countries

Unlisted extinct radio countries in Asia: Chandernagore, Dadra, Damão, Diu, Karikal, Mahé, Nagar Haveli, Pondichéry, Yanam (Yanaon), all former foreign enclaves in India with no known broadcast activity, and Kuwait-Saudi Arabia Neutral Zone. - Tajik and Uzbek enclaves in Kyrgyzstan have been omitted.

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4 OCEANIA (Pacific)

ITU	Zone	Radio country	Remarks
AUS	---	AUSTRALIA	incl. Tasmania, Lord Howe Island, Coral Sea Islands
-	65	†CANTON & ENDERBURY	<u>until 1979</u> ; under joint US/British administration 1939-1979, then part of the *Phoenix Is. within Kiribati as the Kanton and Enderbury atolls
-	64, 65	†CAROLINE ISLANDS	<u>until 31 Dec 1980</u> ; since 10 May 1979 excl. *Micronesia, Federated States of, and the remaining territory as *Palau from 1 Jan 1981
-	10	CLIPPERTON ISLAND	island off the SW coast of Mexico, G.C: 10.17N/109.13W; French administration
-	62	COOK ISLANDS, NORTH	Manihiki, etc; incl. Rakahanga, Suvarrow, etc.
CKH	63	COOK ISLANDS, SOUTH	Rarotonga, etc.; incl. Palmerston
-	51	†DUTCH NEW GUINEA	<u>until 30 Apr 1963</u> ; then part of *Indonesia as Irian Jaya; = West Papua; from 1 Oct 1962 named West Irian (Irian Barat) under UN administration
PAQ	63	EASTER ISLAND	incl. Sala y Gómez Island; also called Rapa Nui; administered by *Chile as the Isla de la Pascua province
FJI	56	FIJI	incl. Rotuma
GIL	65	†GILBERT & ELLICE ISLANDS	<u>until 31 Dec 1975</u> ; then as Gilbert Is. (now *Kiribati) and *Tuvalu
GUM	64	GUAM	US territory
HWA	61	HAWAII	US state; incl. Midway Islands (US territory)
HWL	61	HOWLAND & BAKER ISLANDS	G.C: 0.48N/176.38W and 0.13N/176.31W; US territories
JAR	62	JARVIS ISLAND	G.C: 0.22S/160.03W; US territory
JON	61	JOHNSTON ATOLL	G.C: 16.45N/169.31W; US territory as Johnston and Sand Islands
KIR	65	KIRIBATI	<u>since 1 Jan 1976</u> ; before that part of the †Gilbert & Ellice Is.; until 11 Jul 79 named Gilbert Islands; incl. Banaba (Ocean Is.); *Line Is., Northern, *Line Is., Southern and the *Phoenix Is. are separate radio countries
-	61	LINE ISLANDS, NORTHERN	incl. Teraina (Washington), Tabuaeran (Fanning), and Kiritimati (Christmas) islands; since 11 Jul 1979 administered by Kiribati; excl. *Palmyra and Kingman Reef
-	62	LINE ISLANDS, SOUTHERN	= Malden, Starbuck, Caroline, Flint and Vostok islands; since 11 Jul 1979 administered by Kiribati; excl. *Jarvis
-	63	MARQUESAS ISLANDS	administratively part of French Polynesia
MRL	65	MARSHALL ISLANDS	incl. Enewetak, Bikini, Kwajalein; since 21 Oct 1986 republic, before that US-administered UN trusteeship
FSM	64, 65	MICRONESIA, FEDERATED STATES OF	<u>since 10 May 1979</u> ; before that part of the †Caroline Is.; incl. Kosrae, Pohnpei (Ponape), Truk (Chuuk) and Yap; until 3 Nov 1986 US-administered UN Trusteeship
-	90	MINAMI TORI SHIMA	= Marcus Island; G.C: 24.16N/154E; to Japan, before 27 June 1968 under US administration
NRU	65	NAURU	
NCL	56	NEW CALEDONIA	incl. Chesterfield, Hunter, Loyauté, Sable, Walpole Is.
NZL	60	NEW ZEALAND	incl. Antipodes, Auckland, Bounty, Campbell, Chatham, Kermadec islands
NIU	62	NIUE	G.C: 19.02S/169.52W; self-governing island in free association with New Zealand

-	60	NORFOLK ISLAND	external territory of Australia
MRA	64	NORTHERN MARIANA ISLANDS	incl. Saipan and Tinian; US commonwealth territory
-	45	OGASAWARA	incl. Kazan Retto (Volcano Islands, incl. Iwo Jima) and Ogasawara Gunto (Bonin Islands); to Japan, before 27 June 1968 under US administration
-	64	OKINO TORI SHIMA	= Parece Vela; G.C: 20.25N/136.00E; to Japan, before 27 June 1968 under US administration
PLW	64	PALAU	<u>since 1 Jan 1981</u> ; before that part of the †Caroline Islands, before 1 October 1994 under US-administered UN trusteeship
PLM	61	PALMYRA	= Palmyra Atoll and nearby Kingman Reef; G.C: 5.52N/162.05W; both US territories
PNG	51	PAPUA NEW GUINEA	incl. Admiralty Islands, Bismarck Archipelago and Louisiade Archipelago; before 1972 known as Papua & New Guinea
PHX	62	PHOENIX ISLANDS	= Gardner, Sydney (Manra) and neighbouring islands; from 11 Jul 1979 incl. †Canton (now Kanton or Abariringa) and Enderbury and transferred to Kiribati administration
PTC	63	PITCAIRN ISLANDS	incl. Ducie, Henderson and Oeno; overseas territory of the UK
SMA	62	SAMOA, AMERICAN	= Eastern Samoa; incl. Tutuila, Manu'a Islands, Swains Island
SMO	62	SAMOA	incl. Savai'i, Upolu, Manono, Apolima; before July 1997 known as Western Samoa
OCE	63	SOCIETY ISLANDS	incl. Tahiti, administratively part of French Polynesia
SLM	51	SOLOMON ISLANDS	incl. Santa Cruz Islands
TKL	62	TOKELAU	until 6 May 1946 named Union Islands; = Atafu, Fakaofu, Nukunono; territory of New Zealand
TON	62	TONGA	
-	63	TUAMOTU ARCHIPELAGO	incl. Gambier; administratively part of French Polynesia
-	63	TUBUAI ISLANDS	administratively part of French Polynesia; = Austral Islands
TUV	65	TUVALU	<u>since 1 Jan 1976</u> ; before that the Ellice part of †Gilbert & Ellice Islands
VUT	56	VANUATU	incl. Banks Islands; until 29 Jul 1980 named New Hebrides
WAK	65	WAKE ISLAND	G.C: 19.17N/166.36E; US territory
WAL	62	WALLIS & FUTUNA	= Wallis Islands, Futuna or Home Islands; French overseas territory

Oceania total: 44 + †4 radio countries

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5 NORTH AMERICA

ITU	Zone	Radio country	Remarks
ALS	1	ALASKA	incl. Aleutian Islands
BER	11	BERMUDA	
CAN	---	CANADA	since 1 Apr 1949 incl. †Newfoundland and Labrador
GRL	5, 75	GREENLAND	
-	9	†NEWFOUNDLAND	<u>until 31 Mar 1949</u> ; after that a province of *Canada; incl. Labrador
SPM	9	ST. PIERRE & MIQUELON	
USA	6-8	USA	excl. *Alaska and *Hawaii

North America total: 6 + †1 radio countries

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6 CENTRAL AMERICA

ITU	Zone	Radio country	Remarks
AIA	11	ANGUILLA	<u>since 27 Feb 1967</u> ; before that part of the †Leeward Is.
ATG	11	ANTIGUA & BARBUDA	<u>since 27 Jul 1967</u> ; before that part of the †Leeward Is.; incl. Redonda
ABW	11	ARUBA	<u>since 1 Jan 1986</u> ; before that part of the *Netherlands Leeward Antilles
-	11	AVES	also known as Isla Aves or Bird Island; G.C: 15.42N/63.38W; Venezuelan administration, also claimed by Dominica
BAH	11	BAHAMAS	
BRB	11	BARBADOS	
BLZ	10	BELIZE	until 31 May 1973 named British Honduras
CYM	11	CAYMAN ISLANDS	
CTR	11	COSTA RICA	incl. Isla del Coco
CUB	11	CUBA	incl. the Guantánamo Base
DMA	11	DOMINICA	
DOM	11	DOMINICAN REPUBLIC	
SLV	11	EL SALVADOR	
GRD	11	GRENADA	<u>since 3 Mar 1967</u> ; before that part of the †Windward Is.; incl. Carriacou and Southern Grenadines
GDL	11	GUADELOUPE	incl. Désirade, Îles des Saintes and Marie-Galante
GTM	10	GUATEMALA	
HTI	11	HAÏTI	
HND	11	HONDURAS	since 2 Sep 1972 incl. †Swan Islands (now Islas Santanilla)
JMC	11	JAMAICA	incl. Pedro Cays
LEE	11	†LEEWARD ISLANDS	<u>until 26 Feb 1967</u> ; then as *Anguilla, *Antigua, *Montserrat and *St. Kitts-Nevis
MRT	11	MARTINIQUE	
MEX	10	MEXICO	incl. Isla de Guadalupe and Islas de Revillagigedo
MSR	11	MONTSERRAT	<u>since 27 Feb 1967</u> ; before that part of the †Leeward Is.
-	11	NAVASSA ISLAND	G.C: 18.25N/75.01W; US administration
ATN	11	NETHERLANDS LEEWARD ANTILLES	= Bonaire and Curaçao; until 31 Dec 1985 also incl. *Aruba
-	11	NETHERLANDS WINDWARD ANTILLES	= Saba, Sint Eustatius and Southern Sint Maarten
NCG	11	NICARAGUA	incl. Islas del Maíz
PNR	11	PANAMA	
-	11	†PANAMA CANAL ZONE	<u>until 30 Sep 1979</u> ; since then part of *Panama
PTR	11	PUERTO RICO	
-	11	SAN ANDRES &	incl. Bajo Nuevo, Cayos de Albuquerque, Serranilla Bank, and since 17 Sep

		PROVIDENCIA	1981 Quita Sueño Bank, Roncador Cay, and Serrana Bank (previously contested); departamento of Colombia; the Serranilla Bank is often considered a Colombian possession, but this has not been confirmed by treaty;
-	11	ST. BARTHELEMY	incl. northern St. Martin
SCN	11	ST. KITTS-NEVIS	<u>since 27 Feb 1967</u> ; before that part of the †Leeward Is.
LCA	11	ST. LUCIA	<u>since 1 Mar 1967</u> ; before that part of the †Windward Is.
VCT	11	ST. VINCENT	<u>since 1 Jun 1967</u> ; before that part of the †Windward Is.; incl. Northern Grenadines
-	11	†SWAN ISLANDS	<u>until 1 Sep 1972</u> ; then part of *Honduras as Islas de El Cisne, later named Islas Santanilla
TRD	11	TRINIDAD & TOBAGO	
TCA	11	TURKS & CAICOS ISLANDS	
VIR	11	VIRGIN ISLANDS, AMERICAN	main islands: St. Croix, St. John and St. Thomas
VRG	11	VIRGIN ISLANDS, BRITISH	= Anegada, Tortola, Virgin Gorda and neighbouring islands
IOB	11	†WINDWARD ISLANDS	<u>until 30 May 1967</u> ; since 1 Mar 1967 excl. *St. Lucia, since 3 Mar 1967 excl. *Grenada and remaining part as *St. Vincent from 1 Jun 1967

Central America total: 37 + †4 radio countries

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7 SOUTH AMERICA

ITU	Zone	Radio country	Remarks
ARG	14, 16	ARGENTINA	
BOL	12, 14	BOLIVIA	
B	---	BRAZIL	incl. Fernando de Noronha and Rocas
CHL	14, 16	CHILE	excl. *Desventurados, *Juan Fernández and *Easter Island
CLM	12	COLOMBIA	incl. Isla Malpelo; excl. *San Andrés & Providencia
-	14	DESVENTURADOS	= Isla San Ambrosio and Isla San Félix (adm. by Chile)
EQA	12	ECUADOR	excl. *Galápagos
FLK	16	FALKLAND ISLANDS	also known as Islas Malvinas
GUF	12	FRENCH GUYANA	
-	12	GALAPAGOS	= Archipiélago de Colón; often considered as part of Oceania
GUY	12	GUYANA	until 25 May 1966 British Guyana
-	14	JUAN FERNANDEZ	(adm. by Chile)
PRG	14	PARAGUAY	
PRU	12	PERU	
-	13	SÃO PAULO	São Pedro e São Paulo = Brazilian islands at G.C: 0.56N/29.22W
SUR	12	SURINAME	formerly also named Dutch Guiana
-	15	TRINDADE	incl. Martim Vaz; Brazilian islands

URG 14 URUGUAY
 VEN 12 VENEZUELA

South America total: 19 + †0 radio countries

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8 ANTARCTICA

ITU	Zone	Radio country	Remarks
ATA ---		ANTARCTIC MAINLAND	incl. South Shetlands; includes the Base Esperanza and McMurdo Base broadcast sites
- 71		BALLENY ISLANDS	
- 67		BOUVET ISLAND	= Bouvetøya; territory of Norway
CRO 68		CROZET ISLAND	district of the French Southern and Antarctic Lands, overseas territory of France
- 68		HEARD & MCDONALD ISLANDS	
KER 68		KERGUÉLEN ISLANDS	district of the French Southern and Antarctic Lands, overseas territory of France
- ---		MACQUARIE ISLANDS	
- 72		PETER I ISLAND	
- 57		PRINCE EDWARD ISLANDS	incl. Marion
- 71		SCOTT	
- 73		SOUTH GEORGIA	
- 73		SOUTH ORKNEYS	
- 73		SOUTH SANDWICH ISLANDS	
AMS 68		ST. PAUL & AMSTERDAM ISLANDS	district of the French Southern and Antarctic Lands, overseas territory of France

Antarctica total: 14 + †0 radio countries

Radio countries total: 294 + †52

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Cross reference index

By using this index you will be able to find the current entries of countries which have changed name or are known under alternative names or of certain territories which do not constitute separate radio countries.

Old or alternative name	Current entry(ies)
Abu Dhabi	United Arab Emirates
Aden	Yemen, South
Afars & Issas	Djibouti
Ahvenanmaa or Åland	Finland
Balearic Islands	Spain
Basutoland	Lesotho
Bechuanaland	Botswana
Belau	Palau
Belgian Congo	Congo-Kinshasa
BIOT	British Indian Ocean Territory
Bjørnøya	Svalbard
Bonaire	Netherlands Leeward Antilles
Bophuthatswana	South Africa
Bornholm	Denmark
British Guyana	Guyana
British Honduras	Belize
British North Borneo	Sabah
Burma	Myanmar
Central African Empire	Central African Republic
Central African Federation	Malawi, Zambia, Zimbabwe
Ceylon	Sri Lanka
Chagos Archipelago	British Indian Ocean Territory
Channel Islands	United Kingdom
Ciskei	South Africa
Congo-Brazzaville	Congo
Congo-Léopoldville	Congo-Kinshasa
Côte d'Ivoire	Ivory Coast
Crete	Greece
Curaçao	Netherlands Leeward Antilles
Dahomey	Benin
DDR	Germany, East
Diego Garcia	British Indian Ocean Territory
Dodecanese Islands	Greece
Dubai	United Arab Emirates
Dutch Guiana	Surinam
Dutch India	Indonesia

Old or alternative name	Current entry(ies)
East Pakistan	Bangladesh
Éire	Ireland
England	United Kingdom
Federal Rep. of Germany	Germany, West
Formosa	Taiwan
French Guinea	Guinea
French Somali Coast	Djibouti
French Somaliland	Djibouti
German Democratic Rep.	Germany, East
Gold Coast	Ghana
Gotland	Sweden
Grusia	Georgia
Guantánamo Base	Cuba
Holland	Netherlands
Haute Volta	Burkina Faso
Irian Barat or Irian Jaya	Dutch New Guinea
Isle of Man	United Kingdom
Kampuchea	Cambodia
Kashmir	India, Pakistan
Khmer Republic	Cambodia
Laccadives	India
Lakshadweep	India
Maharlika	Philippines
Malagasy Rep.	Madagascar
Malaya	Malaysia, Western
Mali Federation	Mali, Sénégal
Masirah	Oman
Muscat & Oman	Oman
New Guinea (Australian)	Papua New Guinea
New Hebrides	Vanuatu
Northern Ireland	United Kingdom
Northern Rhodesia	Zambia
Nyasaland	Malawi
Portuguese Guinea	Guinea-Bissau
Portuguese India	Goa
Portuguese Timor	East Timor
Rarotonga	Cook Is., South
Rhodesia	Zimbabwe
Saba (West Indies)	Netherlands Windward Antilles
Saipan	Northern Mariana Is.
Sardinia	Italy
Scotland	United Kingdom

Old or alternative name	Current entry(ies)
Sint Maarten	Netherlands Windward Antilles
South Arabian Federation	Yemen, South
South West Africa	Namibia
Southern Rhodesia	Zimbabwe
Spanish Guinea	Equatorial Guinea
Spitsbergen	Svalbard
Sudanese Republic	Mali
Tahiti	Society Is.
Tchad	Chad
Timor, Portuguese	East Timor
Transjordanian	Jordan
Transkei	South Africa
Tromelin Island	Reunion
Trucial Oman or Trucial States	United Arab Emirates
Ubangi Chari	French Equatorial Africa
United Arab Republic	Egypt
Upper Volta	Burkina Faso
Venda	South Africa
Wales	United Kingdom
West Irian	Dutch New Guinea
West Pakistan	Pakistan
Western Samoa	Samoa
Yugoslavia	Bosnia and Herzegovina, Croatia, Macedonia, Montenegro, Serbia, Serbia and Montenegro, Slovenia
Zaire	Congo, Democratic Republic of the

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VOA: 65 Years and Counting by Victor Morales, Washington, D.C., 22 February 2007

On February 24, the Voice of America has quietly observed a milestone. While many here in the United States see turning 65 years old as a time to retire, the Voice of America plans to continue working well into the 21st century.

February 24, 1942 -- a shortwave broadcast from the United States to Nazi-occupied Europe told listeners that America would tell them the truth. That first VOA broadcast in German was soon followed by others in French, Italian and English. And by the war's end, VOA was on-the-air in nearly 25 languages.

News and Culture

But our Cold War broadcasts were more than just news and information to those struggling for freedom. Some of VOA's most popular programs have been music - - particularly America's unique art form - - jazz.

Throughout the 1960s, VOA reported on the changing American scene -- from the civil rights movement and the Vietnam War to breakthroughs in science and technology.

Alan Shepherd's brief flight in 1961 was only the beginning. Eight years later, more than 615-million people -- a record never equaled in the history of broadcasting -- listened to VOA and astronaut Neil Armstrong from the surface of the moon.

Since the beginning, VOA's reporting has been guided by the standards of a free press -- to be accurate, objective and comprehensive. These values -- along with our mission to present a balanced and comprehensive view of America and its policies -- were enshrined in the VOA Charter, which became law in 1976.

And through the decades, listeners have tuned to the Voice of America in times of hope and tragedy. Since the 2001 terrorist attacks, the Voice of America has grown to 45 languages on radio and the Internet. And many of our programs are now on television.

A Time of Change

Twenty-eight hours a week of Persian TV via satellite and 30 minutes a day of Somali radio to Africa are among our newest initiatives. It's all part of a changing VOA, which for many is controversial.

The Bush administration's proposed budget for the coming fiscal year would end VOA radio broadcasts in several languages -- including Cantonese, Russian, Uzbek and worldwide English.

"Those simply reflect budget realities," says VOA Director, Dan Austin. "If we had the money, I would love to do it all. But these are tight budget times for any agency of this government, so we have to set our priorities. And I think reaching out to key regions in the language that people there understand and speak most frequently has to be the first priority."

"Could the U.S. spend more on government-funded international broadcasting? I think the answer is, 'Absolutely, yes,'" says Bruce Gregory, Director of the Public Diplomacy Institute at The George Washington University. He adds there's still a need for many VOA radio broadcasts, including worldwide English.

"If you're on at good times, with good signals and niche programming that meets audiences needs, absolutely. If you're meeting a niche need for news and information about America, then keep at it," says Gregory.

On Being a VOA Journalist

Over the years, the Voice of America has drawn on the talents of thousands people from around the world. In order to gain a better understanding of what we're about, I asked some of my colleagues why they wanted to be a VOA journalist.

"You look at all of this information [you have access to in Washington] and you compare it to what the Thais are learning," says Nittaya Maphungphong, Chief of the Thai Service. "And then you go in there [to the studio] at 6:00 in the morning and you get a chance to tell them what's going on at this end of the world. And you feel so honored."

"For me and for other journalists in Haiti, the Voice of America was the standard of excellence in broadcasting. And I always wanted to be a part of that," says Ronald Cesar, a broadcaster for VOA's Creole Service.

"I grew up listening to VOA Russian during the Soviet times. And I had this idea of the Voice of America being an open, free, fair, objective and democratic source of information. And for a young journalist from a very media oppressed environment, this was a great opportunity for me," says Navbahor Imamova of VOA's Uzbek Service.

As for me . . . I was an American Fulbright Scholar in Eastern Europe during the Cold War. As I witnessed communism firsthand, I -- like so many others -- depended on VOA as a reliable source of news and information about America and the world. And for nearly two decades, it has been an honor to be a part of that tradition.

And while the languages and mediums we broadcast in may change, the Voice of America's mission continues . . . 65 years and counting.

(This story was first broadcast on VoA News - VoA via Walter Eibl)

WORLDWIDE DX CLUB

WORLDWIDE DX CLUB, founded in 1966, does not claim to be the biggest or best DX club in the world. Nevertheless, it offers its members and subscribers a rather good monthly bulletin (mainly in English) entitled "DX MAGAZINE" with up-to-date information on most aspects of DX'ing at the reasonable price of € 15.60, £12.00, US\$18.70 or 16 International Reply Coupons (IRC's) per year (air mail: Europe: € 17.40, £13.00, US\$20.90 or 18 IRC's; Overseas: € 20.40, £15.50, US\$24.50 or 21 IRC's).

Since WORLDWIDE DX CLUB is the "International Department" of ARBEITSGEMEINSCHAFT DX (AGDX), the head organization of the German language DX clubs, it is able to offer its members and subscribers another DX publication in German entitled "Radio-Kurier - weltweit hören". This is jointly issued by the German DX organizations ADDX and AGDX and is available for € 40.00, £28.50, US\$48.00 or 40 IRC's per year (including air mail to countries outside Europe) or, if ordered together with "DX MAGAZINE", for € 51.00, £36.00, US\$61.20 or 51 IRC's per year (air mail: Europe: € 52.80, £37.00, US\$63.40 or 53 IRC's; Overseas: € 55.80, £39.00, US\$66.60 or 56 IRC's per year).

Both publications, "DX MAGAZINE" as well as "Radio Kurier - weltweit hören", are also available as PDF files. If you decide to receive this version, a worldwide subscription rate of € 9.00, £7.00, US\$10.80 or 9 IRC's is applicable for "DX MAGAZINE". "Radio Kurier - weltweit hören" is available for € 20.00, £15.50, US\$24.00 or 20 IRC's, both publications together for € 26.00, £20.00, US\$31.20 or 26 IRC's.

WORLDWIDE DX CLUB has currently the following special publications available:

1. "REPORTING GUIDE", published by the EUROPEAN DX COUNCIL (€ 1.00 or 1 IRC; please enclose 1 additional IRC for air mail).
2. "EDXC RADIO COUNTRIES LIST 2007", published by the EUROPEAN DX COUNCIL (€ 1.00 or 1 IRC; please enclose 1 additional IRC for air mail).
3. "WORLD RADIO TV HANDBOOK 2007", published by WRTH Publications Limited in December 2006 (€ 32.00 or US\$38.40; extra for air mail: € 10.20 or US\$12.20).
4. "DAS OHR ZUR WELT" (Eine Einführung in den Rundfunk-Fernempfang, herausgegeben von der ARBEITSGEMEINSCHAFT DX e. V.) (€ 1.00 or 1 IRC; please enclose 1 additional IRC for air mail).
5. "EMPFÄNGER-FIBEL 1995/96" (Ratgeber für den Empfänger-Kauf, herausgegeben von der ARBEITSGEMEINSCHAFT DX e. V.) (€ 2.00 or 2 IRC's; please enclose 1 additional IRC for air mail).

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For further information on WORLDWIDE DX CLUB please write to: WORLDWIDE DX CLUB, Postfach 1214, D-61282 Bad Homburg, GERMANY (e-mail: <info@wwdxc.de>), or visit us in the Internet at <<http://www.wwdxc.de>>.