

N.Z. RADIO  LEAGUE	<h1>New Zealand DX Times</h1> <p>Monthly Journal of the New Zealand Radio DX League (est 1948) August 2020 Volume 72 No. 11</p> <p>http://www.radiodx.com</p> 	N.Z. RADIO  LEAGUE
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Welcome to the August edition of the DX Times.

The 72nd Annual General Meeting of the New Zealand Radio DX League will take place on **SUNDAY 11th OCTOBER 2020** at Arthur and Dorothy De Maine's home, Villa 9, 25 Charlesworth Drive, (Lochlea Lifestyle Resort) Allenton, Ashburton commencing at 2.00pm.

Parking is available either in the Lodge Car Park or outside the main gate. Afternoon tea will be served after the meeting and it would be helpful for catering purposes to know who is likely to attend. Please e-mail Arthur abd.kakanui@gmail.com, phone (03) 9288845 or text 027 8748758. Members can participate via ZOOM, more on how you can join the meeting via Zoom in next month's DX Times.

Remits and nominations for the National Office holders are to be the hands of the National Secretary no later than the **FRIDAY 28th of AUGUST 2020**. Please see the back page for the office holders' nomination form.

Last month we mentioned that Auckland member **Graeme Dixon** had been in hospital for a serious operation. Unfortunately, League President, Arthur DeMaine reports that the prognosis is not good after his operation and he is now in a rest home for palliative care. Our thoughts and prayers are with Graeme and Christine at this time.

Welcome back to former League Secretary **Chris Hattan** from Hamilton. Chris has rejoined the League after an absence of a couple of years. It is great to have you back and we hope you enjoy using the League's SDRs.

As you will see in the Musings section, **Bryan Clark** has recently purchased an internet radio for the home. In Mangawhai, as I can attest, reception of any decent NZ radio station on AM or FM is difficult. So, Bryan has resorted to purchasing an internet radio that will send the station of choice around the house to any FM radio. This is the radio he has bought.



Deadline for next issue is Wed 26th AUGUST 2020. P.O. Box 178, Mangawhai 0540

**CLOSING DATES FOR THE NEXT
3 MONTHS 2020**

September Wednesday, 26th August

October Wednesday, 24th September

November Wednesday, 28th October

**You can send your contributions to the
NZ Radio DX League at
PO Box 178
Mangawhai 0540**

**or use the email or postal addresses
given by the section sub-editors.**



*All images used in this magazine come from
personal scans/ photos, station websites or
via Google Images*

Tune in with the DX League's SDR:
<http://russell-nzrdxl.proxy.kiwisdr.com:8073/>
<http://opunake-nzrdxl.proxy.kiwisdr.com:8073/>

You will need the password - write to
nzrdxlsdr@gmail.com for details.

A dark purple advertisement for 4RR FM. The text "Tune in now to" is at the top in a light blue font. Below it, "4RR FM" is written in large, bold, light blue letters. To the right of "FM", the frequency "105.7" is written in a light blue font, curving upwards. Below this, the frequencies "105.7 FM CHARLEVILLE" and "99.7 FM CUNNAMULLA" are listed in a light blue font. At the bottom, the text "Listen online www.4rr.com.au" is displayed in a light blue font. The background features faint, circular patterns resembling radio waves or signal strength indicators.

Sign outside 4RR in Roma. Thanks to Ray Crawford for the photo.

Adam Claydon asks members to help support the DX League Facebook pages.
They can be found at
<http://www.facebook.com/nzrdxl>

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NEW ZEALAND RADIO DX LEAGUE (Inc)

The New Zealand Radio DX League is a non-profit organisation founded in 1948 with the main aim of promoting the hobby of Radio DXing. The NZRDXL is administered by

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We prefer international members use **PayPal**. If you wish to pay by credit card, please use **Paypal's credit card payment option**. Contact Treasurer for more details.

For local members you can make payment to -

Acct. name: NZ Radio DX League

Acct. number: 12-3089-0286191-00

Make sure your name is included

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MUSINGS



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A very warm welcome first up to **Ian Wells from Dunedin**. He says: My lone noteworthy event on Shortwave for many months is the attached "Moon" QSL from Ballsmacker Radio on 6960. He may have a different QSL each week as it's not the same as Paul Ormandy's one from last week. Ian. *[Wonderful and well done. Great to hear from you - don't be a stranger!]*



Soon to be retired **Mike Smith in Opunake** is next. Hi Stu and Crew, Another quiet month with conditions still not great here at least. Hopefully will pick up a bit as the grey line shifts north - it's nearly Alaska time. I managed to catch an EE ID from KFOX Radio Seoul on 1650 the other night, heard on the Russell SDR, also WOKB 1680 earlier in the month. I've been experimenting with the ewe here reversing the direction to look at Asia but wasn't that good, so it's back to SSE for now. The Latins still turn up around dusk but nowhere near the levels they were during the equinox. Also had a look around shortwave on the SSE/SDR combination and have a few listings for Ian's Bandwatch column. I've handed in my retirement notice to Powerco, as of October 1 my email address will be smithson45@gmail.com for all DX communications, so I'll need to get in and change the DXDialog settings. Retirement still looks pretty busy but hopefully will have time for a few DX focussed trips around the country. *[I am reliably informed that you will soon wonder how you ever had time for work! Am looking forward to Alaskan season as I know a number of us are.]*

Already retired **Arthur DeMaine of Ashburton** has been out and about lately and reports in with this: Just thought I would drop in and report that we had six nights at Charleston on the West Coast. No rain and quite warm apart from the day we went to Westport, very cool wind blowing down the main street. Unfortunately South American MW decided to go on holiday

and all that I heard on MW was Australian and New Zealand stations on my bamboo made 3m EWE pointing mainly South to South-West. Heard the two Pirates on 6285 and 6960 but not at good strength. Heard a number of other stations on Shortwave. On ATC frequencies I caught for the first time Colombo ATC.

From home heard the LRA36 test broadcast at 1822 UTC in English on an SDR in Brazil. Not much else to report. *[Well, that is more than I have heard. The ATC (presume Air Traffic Control) from Colombo is a good catch. Well done.]*

The Fireman and League Secretary, **Steven Greenyer in Timaru**, reports in that his new container home in Hinahina is making good progress. He even sent some impressive pics. The only problem is that the home isn't currently in South Otago, it is in Christchurch and he doesn't know when it will arrive on site. Paul Ormandy helpfully suggested he would lend him a wheelbarrow so that he can move it. Typical, full of bright ideas!

John Durham in Tauranga tells us: A rather quiet month with not a great deal of DX activity. Noted the sunspot count has been sitting on 2 for the last few days, maybe this is a sign of better things to come. *[If DXers are anything, they are always optimistic - we hope so too!]*

Bryan Clark in Mangawhai is off to destinations south shortly, but has time to send this: Confession time - another radio has been added to the shack - this time an Ocean Digital WR-828F Internet Radio purchased through AliExpress. Reception of Auckland AM and FM stations is less than optimal here - I often listen to the BBC World Service on 810 during the day but at night reception is impractical because of skywave signals from RNZ National Dunedin. So the new radio has been programmed to deliver webstream audio from BBC WS and BBC Radio 4, along with RNZ National and RNZ Concert through a micro FM transmitter to any radio around the house that I have pretuned to 102.5 FM.

I continue to monitor MW nightly for the Broadcast Trail and there are still a few interesting Latin Americans to be heard, though North Americans are increasingly taking over, and splatter from locals is always a frustration. Heading to Southland in August for a few weeks, so will take a radio along for the ride and some DX! *[Is there room for another radio and does Sandy know?! I look forward to seeing it in action. Enjoy your time in the south.]*



WOKB 1680 was heard in early July by Mike Smith

BANDWATCH



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Dunedin

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Still nippy in the mornings, but the days are lengthening, so I really do believe that Spring is just around the corner, and we've survived yet another winter, as well as our first and hopefully only) pandemic. As usual, I appreciate your continued support of both this column and shortwave broadcasting in general. All contributions are welcome, and there's always plenty of room for more. Remember to show loggings as tentative if you don't get a clear ID, or if there's any doubt about the logging, and provide as much detail as you can, including the date and language heard, while keeping your notes concise.

NZ-based remote SDR's used for your loggings are highlighted by these symbols appearing by the frequency:

- * Northland SDR (NNE direction)
- # Opuake SDR (often SSE, but can be NNW direction)

If there's no symbol, you were using your own radio or SDR equipment, and your own aerial

kHz	SDR UTC	Country, Station, Programme, & Reception Details
3955	2005	ENGLAND KBS World Radio good in GG 18/7 ABDW
4055	0550	GUATEMALA R Verdad fair in SS, religious music, ID 0604, close 0615 12/7 BCM
4765	0322	CUBA R Progresso poor/improving, SS w/music, announcements, close 0358 1/7 BCM
4885	* 1948	STH KOREA, Echo of Hope fair/noisy in KK 2/7 KAB
5010a	1855	MADAGASCAR RNM Antananarivo, poor in FF past 1915 11/7 measured 5009.921 runs late weekends only 11/7 BCM
5055	0754	AUSTRALIA 4KZ Innisfail good in EE, 0800 news 17/7 ABDW
5085	0504	USA WTWW good in EE, music, ID, 0508 UTC off suddenly, carrier left on 15/7 ABDW
5850	0520	USA WRMI fair in EE, religion 19/7 ABDW
5875	1832	ARMENIA BBC WS fair in Pashto 26/6 BC
5885	* 1615	PHILIPPINES VOA relay poor/fair in Burmese 23/6 JM
5890	0820	USA WWCR fair in EE, preaching // 5935 17/7 ABDW
5900	2020	BULGARIA Overcomer/Brother Stair fair in EE religion 28/6 BC
5905	* 1625	CHINA CRI fair in RR 23/6 JM
5910	1930	ROMANIA RRI fair in Serbian 26/6 BC
5935	0500	USA WWCR University Network in EE religion 26/6 BC
5940	2140	FRANCE R Algerienne fair in AA w/prayers 5/7 BC
5960	# 0256	KUWAIT R.Kuwait poor with Q'ran AA 29/6 MWS
5975	0430	AUSTRIA NHK World fair in EE 15/7 BDW
5975	# 0437	AUSTRIA NHK World Radio good in EE 29/6 MWS
5985	0403	JAPAN NHK World good in SS 17/7 ABDW
5985	0535	USA WRMI Yeshua Messiah Ministry fair in EE religion 29/6 BC
5990	1855	IRAN VOIRI fair in Albanian 29/6 BC

5995 * 0703 STH KOREA, Echo of Hope (SOH) poor w/news in KK 16/7 KAB
6015 0530 ROMANIA RRI fair at s/on in EE 17/7 ABDW
6030 * 2006 ETHIOPIA, R Oromiya, fair w/news in Oromo 2/7 KAB
6050 0416 FRANCE R Algerienne in AA 27/6 BC also noted s/off 0459 ABDW
6050 # 0439 FRANCE R. Algerienne fair with Q'ran 29/6 MWS
6065 * 1645 IRAN VOIRI poor/fair in Pashto 23/6 JM
6090 1940 ETHIOPIA Amhara State Radio fair in Amharic 25/6 BC
6105 # 0258 FRANCE NHK World Radio good in JJ 29/6 MWS
6105 0335 FRANCE NHK World in JJ 25/6 BC
6110 2040 ETHIOPIA R Fana fair on USB in Oromo 21/6 BC
6115 0950 JAPAN R Nikkei 2 fair in JJ w/music close 1000 30/6 BC
6135 # 0414 BRASIL R. Aparecida poor, vocals 8/7 MWS
6145 * 0515 CUBA R Habana good in EE, talk on Covid-19 ID as "Radio Cuba"
12/07 ABD
6145 0545 CUBA R Habana in EE w/news 27/6 BC
6145 1931 ENGLAND KBS World Radio fair in FF 29/6 BC
6155 1933 SAO TOME BBCWS fr EE w/documentary 17/7 sked 1900-2000 BCM
6170 * 1959 ROMANIA, RRI excellent in FF with IS, ID 2/7 KAB
6180 # 0258 BRASIL R. Nac.de Amazonia poor, PP 29/6 MWS
6180 0359 ROMANIA RRI fair in Romanian 2/7 BDW
6185 * 0710 MEXICO, R Educacion poor in SS music & comment 16/7 KAB
6195 1958 UAE BBC WS via Al-Dhabbiya fair with EE ID at s/off 17/7 ABDW
6285 0440 USA Pirate X-FM poor in EE with deep fades 19/7 ABDW
6600 1925 SOUTH KOREA Voice of the People fair/noisy in KK 15/7 ABDW
6960 * 0343 USA Pirate (usb) Ball Smacker R v/wk in EE, music, off 0422 25/7 IDW
6960 0427 USA Pirate DDR Drunken DJ fair in EE with way out music 19/7 ABDW
7270 # 0440 BOTSWANA VOA gd in Shona? 7/7 MWS
7275 # 0300 TURKEY VOT, vg in EE 29/6 MWS
7275 0342 TURKEY VOT excellent in Turkish 11/6 BDW
7280 2030 VIETNAM VoV gd at s/on in FF, SS at 2100, EE from 2130 17/7 ABDW
7315 # 0301 USA WHRI poor in EE 29/6 MWS, noted at 0330 s/off KAB* -
7315 # 0430 VATICAN R.Dabanga vg sung ID in AA 8/7 MWS
7325 0303 ROMANIA RRI fair in EE 18/7 ABDW
7325 # 0441 ROMANIA RRI, good with local pops 7/7 MWS
7325 * 1540 CHINA CRI fair in EE w/World Today prgm 23/6 JM
7330 0410 ROMANIA RRI good in Romanian 12/6 BDW
7340 # 0420 VATICAN EYE Radio news in EE vg 8/7 MWS
7360 * 2044 VATICAN, Vatican R excellent in FF w/organ music 5/7 KAB
7375 0317 ROMANIA RRI fair in EE 19/7 ABDW
7395 * 1515 CHINA CRI fair in EE 23/6 JM
7435 * 2058 KUWAIT, RFA excellent at s/on w/news in CC 5/7 KAB
7460 # 0443 BOTSWANA VOA vg in local dialect 7/7 MWS
7485 # 0302 MOLDOVA BBC poor in Persian? 29/6 MWS
7535 * 1330 CHINA V of the South China Sea fair in Indonesian // 11955 15/6 JM
9330 0420 USA WBCQ World's Last Chance in EE w/religion 27/6 BC
9330 2130 USA WBCQ excellent in GG 12/6 BDW
9510 2050 FRANCE R Algerienne fair in AA w/Quran 27/6 BC
9570 0900 STH KOREA KBS good in KK 16/6 BDW
9685 * 2105 KUWAIT R Free Asia fair in CC 26/7 IDW

9790 * 2157 FRANCE, RFI good in FF, ID at 2200 then news in EE 7/7 KAB
9875 2033 TURKEY VOT poor signals in EE 15/6 BDW also in Turkish 2057 BDW
9875 * 2240 NTH KOREA, V of Korea, fair in CC, weak audio, tone in background
15/7 KAB
9900 * 0148 GERMANY KBC good in EE "Mighty KBC" s/off 0158 28/6 ABD
11550 * 1305 ARMENIA Iran International fair in Persian to Iran 17/6 JM
11560 * 1315 INDIA AIR fair in Dari 17/6 JM
11590 * 1330 ARMENIA TWR fair in Indian dialects 17/6 JM
11610 * 1340 CHINA CRI fair in Bengali 17/6 JM
11630 * 1500 KUWAIT R Kuwait poor/fair in AA 23/6 JM
11640 * 1435 CHINA CRI fair in Tagalog 23/6 JM
11650 * 1345 CHINA CRI fair in Esperanto to SE Asia off 1357, s/on in Amoy 1400
17/6 JM
11660 * 0140 CHINA CNR-2 poor/fair in CC 25/6 JM-
11685 * 1420 CHINA CRI fair in Tamil 23/6 JM
11710 * 0835 CHINA CRI fair in EE w/Language Café prgm 23/6 JM
11735 * 1305 NTH KOREA VOK poor/fair in CC 15/6 JM
11750 * 1350 OMAN BBC WS fair in Bengali to close 1400 23/6 JM
11785 * 0845 TAIWAN RTI fair in JJ to Japan 23/6 JM
11815 * 1355 JAPAN NHK World fair in JJ 17/6 JM
11825 * 1340 TURKEY VOT fair in Kazakh 23/6 JM
11835 * 2226 VANUATU, good in EE/Bislama w/music & ID 15/7 KAB
11865 2123 NTH KOREA Voice of Korea in JJ 24/6 BC
11880 * 2115 AUSTRIA AWR via Moosbrunn weak in EE 26/7 IDW
11890 * 1315 OMAN BBC WS fair in EE 23/6 JM
11940 2149 SPAIN REE good in SS 24/6 BC
11950 1616 VATICAN Vatican Radio fair w/news in EE 18/7 BDW
11955 * 2210 GUAM AWR/KSDA, good in Indonesian 15/7 KAB
11955 2309 CHINA CRI good in EE 1/7 BDW
11965 * 1305 TURKEY VOT poor n RR prgm w/ID in multiple languages 23/6 JM
12030 * 2120 SPAIN REE fair in SS 26/7 IDW
12095 * 1235 PHILIPPINES FEBC fair in Achang 17/6 JM
13795 * 1230 CHINA Voice of the South China Sea fair in Malay // 11955 15/6 JM
15160 * 1120 CHINA CRI poor/fair in Khmer 25/6 JM
15180 * 1130 CHINA CRI poor/fair in Bulgarian 25/6 JM
15220 * 1140 CHINA CRI poor/fair in Czech 25/6 JM
17510 * 1200 CHINA Voice of the South China Sea fair in Filipino 15/6 JM
21610 # 0500 PHILIPPINES VOA good EE ID then Tibetan 7/7 MWS

Please add the appropriate symbol by the frequency if you heard the station using one of the New Zealand-based SDRs. If you've heard it using an SDR, others may also be able to, and it's all DX.

Local Contributors

ABD	Arthur De Maine	Ashburton	Using the League's Northland SDR
ABDW	Arthur De Maine	Charleston, West Coast	Elad FDM-S2 SDR with EWE to the SW
BC	Brian Carr	Christchurch	AOR AR-5000 EWE & longwire

BCM	Bryan Clark	Mangawhai	WinRadio G33DDC Excalibur Pro SDR & AOR7030+ EWEs to Nth, Central & Sth America.
BDW	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips
IDW	Ian Wells	Mosgiel	Using the League's Northland SDR
JM	John Mainland	Wellington	Using the League's Northland SDR
KAB	Ken Baird	Wainuiomata	Using the League's Northland SDR
MWS	Mike Smith	Opunake	Using the League's Opunake SDR

Overseas Loggings

Freq	Time	Details
5995	2355	MALI RTV Du Mali Bamako poor in FF w/music until off 0000 15/7 RDA
6015	2341	ENGLAND WBCQ World's Last Chance poor in AA, EE ID 2348 s/off 18/7 RDA
6960	0100	USA PIRATE (usb) Wolverine Radio good EE, IDs & music, close 0116 19/7 RDA
6960	0116	USA PIRATE (usb) WDDR Drunken DJ s/on after Wolverine, poor EE ID & music faded 0128 19/7 RDA
7340	0358	VATICAN Eye Radio via Talata-Volonondry opens in AA, EE after 0415 1/7 RDA
12050	1906	ENGLAND R Ndarason Int fair in Kanuri, ID at 1928, ID & nx at 2000 3/7 RDA

Overseas Contributors

RDA	Rick D'Angelo Wyomissing, PA, USA	Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4
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Contributions to this column may be sent to nzrdx1under9@gmail.com or direct to the editor, Ian Wells, at iwellsnz@gmail.com or via snail mail to 7 Glenimrie Close, Mosgiel 9024.



ENGLISH IN TIME ORDER

Editor

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Time Order summary of Shortwave Bandwatch column. For station transmitter sites please refer to the Bandwatch columns. Please remember to include the date and signal strength with all your loggings and send them to the column editor, thanks.

The Solar Flux is aired daily over WWV/WWVH on 2.5, 5, 10, 15 and 20 MHz Shortwave at 18 & 45 minutes past every hour.

SIGNAL STRENGTHS e = Excellent; g = Good; f = Fair; p = Poor.

73 - Yuri, ZL1GYM

NEW ZEALAND CONTRIBUTIONS

Time (UTC)	Frequencies (kHz)	Station Name	Station Country	Log Date	DXer Name
0148-0158	9900g	KBC	KENYA	28-Jun	ABD
0300	7275g	VOT	TURKEY	29-Jun	MWS
0301	7315p	WHRI	USA	29-Jun	MWS
0303	7325f	RRI	ROMANIA	18-Jul	ABDW
0317	7375f	RRI	ROMANIA	19-Jul	ABDW
0330	7315p	WHRI	USA	-	KAB*
0420	7340g	EYE Radio	VATICAN	8-Jul	MWS
0420	9330	WBCQ	USA	27-Jun	BC
0430	5975f	NHK World	JAPAN	15-Jul	BDW
0437	5975g	NHK World Radio	JAPAN	29-Jun	MWS
0500	5935	WWCR	USA	26-Jun	BC
0504-0508	5085g	WTWW	USA	15-Jul	ABDW
0515	6145g	R Habana	CUBA	12-Jul	ABD
0520	5850f	WRMI	USA	19-Jul	ABDW
0530	6015f	RRI	ROMANIA	17-Jul	ABDW
0535	5985f	WRMI	USA	29-Jun	BC
0545	6145	R Habana	CUBA	27-Jun	BC
0754-0800	5055g	4KZ	AUSTRALIA	17-Jul	ABDW
0820	5935:5890f	WWCR	USA	17-Jul	ABDW
0835	11710f	CRI	CHINA	23-Jun	JM
1315	11890f	BBC WS	UK	23-Jun	JM
1515	7395f	CRI	CHINA	23-Jun	JM
1540	7325f	CRI	CHINA	23-Jun	JM
1616	11950f	Vatican Radio	VATICAN CITY	18-Jul	BDW
1933	6155f	BBC WS	UK	17-Jul	BCM
1958	6195f	BBC WS	UK	17-Jul	ABDW
2020	5900f	Overcomer	BULGARIA	28-Jun	BC
2033	9875p	VOT	TURKEY	15-Jun	BDW
2115	11880p	AWR	USA	26-Jul	IDW
2130	7280g	Voice of Vietnam	VIETNAM	17-Jul	ABDW
2200	9790g	RFI	FRANCE	7-Jul	KAB
2309	11955g	CRI	CHINA	1-Jul	BDW

SHORTWAVE REPORT

Editor

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UPDATED A-20 SCHEDULES OF CLANDESTINE BROADCASTS AS OF JUNE 30

Echo of Hope

0000-0400 on 4885 SEO 100 kW / non-dir to NEAs Korean, alt.4890
0000-0400 on 6250 SEO 010 kW / 010 deg to NEAs Korean, alt.6255
0000-0400 on 9100 SEO 010 kW / 010 deg to NEAs Korean, alt.9095/9105
0400-0800 on 3985 HWA 100 kW / non-dir to NEAs Korean, alt.3980/3990
0400-0800 on 5995 HWA 100 kW / non-dir to NEAs Korean, alt.5990/6000
0400-0800 on 6350 HWA 100 kW / non-dir to NEAs Korean, alt.6355
0800-2400 on 3985 HWA 100 kW / non-dir to NEAs Korean, alt.3980/3990
0800-2400 on 4885 SEO 100 kW / non-dir to NEAs Korean, alt.4890
0800-2400 on 5995 HWA 100 kW / non-dir to NEAs Korean, alt.5990/6000
0800-2400 on 6250 SEO 010 kW / 010 deg to NEAs Korean, alt.6255
0800-2400 on 6350 HWA 100 kW / non-dir to NEAs Korean, alt.6355
0800-2400 on 9100 SEO 010 kW / 010 deg to NEAs Korean, alt.9095/9105

Voice of The People

0000-2400 on 3480 K-S 050 kW / non-dir to NEAs Korean, alt.3475/3485
0000-2400 on 3910 K-S 050 kW / non-dir to NEAs Korean, alt.3905/3915
0000-2400 on 3930 K-S 050 kW / non-dir to NEAs Korean, alt.3925/3935
0000-2400 on 4450 K-S 050 kW / non-dir to NEAs Korean
0000-2400 on 6520 K-S 050 kW / non-dir to NEAs Korean, alt.6515/6525
0000-2400 on 6600 K-S 050 kW / non-dir to NEAs Korean, alt.6595/6605

Radio Republica

0100-0300 on 9490 ISS 150 kW / 285 deg to Cuba Spanish

Radio Iran International

0200-1400 on 11550 ERV 100 kW / 100 deg to N/ME Farsi

Iran International TV

1400-0200 on 6270 ERV 100 kW / 100 deg to N/ME Farsi

Voice of Kashmir

0230-0330 on 6030 DEL 100 kW / non-dir to SoAs Kashmiri
0730-0830 on 6100 DEL 250 kW / 134 deg to SoAs Kashmiri

BRB Denge Welat

0230-0500 on 9525 ISS 250 kW / 090 deg to WeAs Kurdish
0500-0600 on 11530 ISS 250 kW / 090 deg to WeAs Kurdish
0600-1600 on 11530 KCH 300 kW / 130 deg to WeAs Kurdish
1600-2100 on 11530 ISS 250 kW / 090 deg to WeAs Kurdish

Al-Azm Radio

0300-0700 on 11745 JED or RIY / unknown to N/ME Arabic
0900-2300 on 11745 JED or RIY / unknown to N/ME Arabic

Republic of Yemen Radio

0300-2300 on 11860 JED or RIY / unknown to N/ME Arabic

NEXUS IRRS Shortwave Radio Free Kashmir

0330-0430 on 7355 unknown kW / unknown to SoAs Kashmiri Sun

FPU Radio Tamazuj

0329-0427 on 7315 ISS 250 kW / 138 deg to EaAf Juba Arabic

0329-0427 on 11650 MDC 250 kW / 335 deg to EaAf Juba Arabic

English news: 0415-0425UTC Wed/Sat

1459-1557 on 15150 MDC 250 kW / 335 deg to EaAf Juba Arabic

1459-1557 on 15400 ISS 250 kW / 138 deg to EaAf Juba Arabic

English news: 1545-1555UTC Tue/Fri

MGB Eye Radio

0400-0500 on 7340 SMG 250 kW / 151 deg to EaAf Juba Arabic* Mon-Fri * including other langs English/Dinka/Nuer/Shilluk/Bari/Zande/Lutoho

1600-1700 on 15410 ISS 250 kW / 138 deg to EaAf Juba Arabic* Mon-Fri * including other langs English/Dinka/Nuer/Shilluk/Bari/Zande/Lutoho

Extended schedule of MGB Eye Radio from August 1:

0400-0500 on 7340 SMG 250 kW / 151 deg to EaAf Juba Arabic* Mon-Fri

0500-0600 on 7340^MDC 250 kW / 335 deg to EaAf Juba Arabic* Daily#

1500-1600 on 15410 MDC 250 kW / 340 deg to EaAf Juba Arabic* Daily#

1600-1700 on 15410 ISS 250 kW / 138 deg to EaAf Juba Arabic*

Mon-Fri**including other langs

English/Dinka/Nuer/Shilluk/Bari/Zande/Lutoho #Special daily COVID-19 broadcast of Eye Radio in various languages**^same time on 7345 SMG 250 kW / 184 deg to WeAf English

BBC

WS QRM!* (Updated via HCDX Ivo Ivanov 24/07/20)

Echo of Unification

0400-0600 on 3966vCNG 005 kW / non-dir to NEAs Korean

0400-0600 on 5905 PYO 100 kW / non-dir to NEAs Korean

0400-0600 on 6250 PYO 100 kW / non-dir to NEAs Korean

Echo of Hope

0400-0800 on 3985 HWA 100 kW / non-dir to NEAs Korean, alt.3980/3990

0400-0800 on 5995 HWA 100 kW / non-dir to NEAs Korean, alt.5990/6000

0400-0800 on 6350 HWA 100 kW / non-dir to NEAs Korean, alt.6355

0800-2400 on 3985 HWA 100 kW / non-dir to NEAs Korean, alt.3980/3990

0800-2400 on 4885 SEO 100 kW / non-dir to NEAs Korean, alt.4890

0800-2400 on 5995 HWA 100 kW / non-dir to NEAs Korean, alt.5990/6000

0800-2400 on 6250 SEO 010 kW / 010 deg to NEAs Korean, alt.6255

0800-2400 on 6350 HWA 100 kW / non-dir to NEAs Korean, alt.6355

0800-2400 on 9100 SEO 010 kW / 010 deg to NEAs Korean, alt.9095/9105

FPU Radio Dabanga

0429-0457 on 7315 SMG 250 kW / 151 deg to EaAf Darfur Arabic

0429-0457 on 11650 MDC 250 kW / 335 deg to EaAf Darfur Arabic

1529-1627 on 11640 SCB 100 kW / 195 deg to EaAf Darfur Arabic

1529-1627 on 15550 SMG 250 kW / 150 deg to EaAf Darfur Ar

Radio Ndarason International

0500-0600 on 5960 ASC 250 kW / 055 deg to WeAf Kanuri

0600-0700 on 12050 WOF 250 kW / 158 deg to WeAf Kanuri*

* including news in French 0615-0625UT

0700-0800 on 12050 ASC 250 kW / 055 deg to WeAf Kanuri

1800-1900 on 9775 WOF 250 kW / 158 deg to WeAf Kanuri

1900-2100 on 12050 WOF 250 kW / 152 deg to WeAf Kanuri*

* including news in French 1915-1925UT

Dandal Kura Radio International

0700-0800 on 13590 NAU 125 kW / 185 deg to CeAf Kanuri
1529-1627 on 11640 SCB 100 kW / 195 deg to EaAf Darfur Arabic
1529-1627 on 15550 SMG 250 kW / 150 deg to EaAf Darfur Ar

Manara Radio International

0700-0800 on 13840 ISS 150 kW / 170 deg to WeAf Hausa
0800-0900 on 13590 NAU 125 kW / 185 deg to CeAf Kanuri Sat
1600-1700 on 15285 ISS 150 kW / 170 deg to WeAf Hausa

Voice of Freedom

0800-0400 on 6045 HWA 010 kW / non-dir to NEAs Korean

Radio ERGO

1200-1300 on 17845 DHA 250 kW / 225 deg to EaAf Somali

Echo of Unification

1200-1400 on 3966vCNG 005 kW / non-dir to NEAs Korean
1200-1400 on 5905 PYO 100 kW / non-dir to NEAs Korean
1200-1400 on 6250 PYO 100 kW / non-dir to NEAs Korean
2200-2400 on 3966vCNG 005 kW / non-dir to NEAs Korean
2200-2400 on 5905 PYO 100 kW / non-dir to NEAs Korean
2200-2400 on 6250 PYO 100 kW / non-dir to NEAs Korean

National Unity Radio

1200-1500 on 7340 DB 200 kW / 071 deg to NEAs Korean
Radio Dap Loi Song Nui Radio DLSN Vietnam Democracy Radio
1230-1300 on 9670 PAO 100 kW / 250 deg to SEAs Vietnamese

JSR Shiokaze Sea Breeze

1300-1330 on 5920 YAM 300 kW / 280 deg to NEAs English Thu
1300-1330 on 6070 YAM 300 kW / 280 deg to NEAs English Thu
1300-1330 on 5920 YAM 300 kW / 280 deg to NEAs Japanese Sat-Tue
1300-1330 on 6070 YAM 300 kW / 280 deg to NEAs Japanese Sat-Tue
1300-1330 on 5920 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri
1300-1330 on 6070 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri
1330-1400 on 5920 YAM 300 kW / 280 deg to NEAs English Thu
1330-1400 on 6070 YAM 300 kW / 280 deg to NEAs English Thu
1330-1400 on 5920 YAM 300 kW / 280 deg to NEAs Japanese Mon/Tue
1330-1400 on 6070 YAM 300 kW / 280 deg to NEAs Japanese Mon/Tue
1330-1400 on 5920 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri-Sun
1330-1400 on 6070 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri-Sun

Nippon no Kaze

1300-1330 on 9465 TSH 300 kW / 002 deg to NEAs Korean
1300-1330 on 9940 TSH 100 kW / 002 deg to NEAs Korean
1300-1330 on 11875 TAC 100 kW / 076 deg to NEAs Korean
1500-1530 on 7335 TSH 300 kW / 352 deg to NEAs Korean
1500-1530 on 9685 TSH 300 kW / 002 deg to NEAs Korean
1500-1530 on 11995 TAC 100 kW / 076 deg to NEAs Korean
1530-1600 on 7335 TSH 300 kW / 352 deg to NEAs Korean
1530-1600 on 9685 TSH 300 kW / 002 deg to NEAs Korean
1530-1600 on 11995 TAC 100 kW / 076 deg to NEAs Korean
1630-1700 on 7335 TSH 300 kW / 352 deg to NEAs Korean

Free North Korea Radio

1300-1400 on 11510 TAC 100 kW / 076 deg to NEAs Korean
2000-2100 on 7550 TAC 100 kW / 076 deg to NEAs Korean

Furusato no Kaze

1330-1400 on 9455 TSH 300 kW / 002 deg to NEAs Japanese
1330-1400 on 9705 TSH 300 kW / 002 deg to NEAs Japanese
1330-1400 on 11875 TAC 100 kW / 076 deg to NEAs Japanese
1405-1435 on 6165 YAM 300 kW / 280 deg to NEAs Japanese
1405-1435 on 7295 YAM 300 kW / 280 deg to NEAs Japanese
1430-1500 on 9450 TSH 300 kW / 352 deg to NEAs Japanese
1430-1500 on 9560 TSH 300 kW / 002 deg to NEAs Japanese
1430-1500 on 11995 TAC 100 kW / 076 deg to NEAs Japanese
1600-1630 on 7335 TSH 300 kW / 352 deg to NEAs Japanese
1600-1630 on 9470 TSH 300 kW / 002 deg to NEAs Japanese
1600-1630 on 11910 TAC 100 kW / 076 deg to NEAs Japanese
1700-1730 on 6155 TSH 300 kW / 352 deg to NEAs Japanese

Voice of Wilderness

1400-1500 on 7615 TAC 100 kW / 076 deg to NEAs Korean
BRB Radio La Voix du Djibouti (Radio LVD), ON AIR June 7&21
and NOT ON AIR June 14&28

1400-1500 on 17870 unknown kW / unknown to EaAf

Afar/Arabic/French/Somali 1st&3rd Sun

North Korea Reform Radio

1430-1530 on 7590 TAC 100 kW / 076 deg to NEAs Korean

2030-2130 on 7590 TAC 100 kW / 076 deg to NEAs Korean

NEXUS IRRS Shortwave Radio Warra Wangeelaa-ti

1500-1530 on 15515 SCB 050 kW / 195 deg to EaAf Afan Oromo Sat

BRB Living Water Ministry Broadcasting

1516-1616 on 7515 TWR 200 kW / 320 deg to NEAs Korean Tue-Fri

1546-1616 on 7515 TWR 200 kW / 320 deg to NEAs Korean Sat

Voice of Martyrs

1530-1600 on 7530 TAC 100 kW / 076 deg to NEAs Korean

2100-2130 on 7530 TAC 100 kW / 076 deg to NEAs Korean

JSR Shiokaze Sea Breeze

1600-1630 on 5955 YAM 300 kW / 280 deg to NEAs English Thu

1600-1630 on 7325 YAM 300 kW / 280 deg to NEAs English Thu

1600-1630 on 5955 YAM 300 kW / 280 deg to NEAs Japanese Sat-Tue

1600-1630 on 7325 YAM 300 kW / 280 deg to NEAs Japanese Sat-Tue

1600-1630 on 5955 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri

1600-1630 on 7325 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri

1630-1700 on 5955 YAM 300 kW / 280 deg to NEAs English Thu

1630-1700 on 7325 YAM 300 kW / 280 deg to NEAs English Thu

1630-1700 on 5955 YAM 300 kW / 280 deg to NEAs Japanese Mon/Tue

1630-1700 on 7325 YAM 300 kW / 280 deg to NEAs Japanese Mon/Tue

1630-1700 on 5955 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri-Sun

1630-1700 on 7325 YAM 300 kW / 280 deg to NEAs Korean Wed/Fri-Sun

Radio Ranginkaman/Radio Rainbow

1630-1700 on 7600 TAC 100 kW / 236 deg to WeAs Farsi

NEXUS IRRS Shortwave Oromia National Media ONM

1630-1730 on 11990 unknown kW / unknown to EaAf Afan Oromo Mon/Wed/Sat

Voice of Oromo Liberation

1700-1800 on 15420 NAU 100 kW / 144 deg to EaAf Afan Oromo Wed

1700-1730 on 15420 NAU 100 kW / 144 deg to EaAf Afan Oromo Fri/Sun

Dimtse Radio Erena

1700-1730 on 9720 SCB 050 kW / 195 deg to EaAf Tigrinya Daily
1730-1800 on 9720 SCB 050 kW / 195 deg to EaAf Arabic Wed/Fri
1730-1800 on 9720 SCB 050 kW / 195 deg to EaAf Tigrinya Tue/Thu/Sat-Mon

Radio Itahuka

1800-1900 on 15420 MDC 250 kW / 320 deg to SoAf Kirundi Sat

Koode Radio International

1900-1930 on 9810 ISS 100 kW / 175 deg to WCAf Nigerian Fulfulde

Suab Xaa Moo Zoo Voice of Hope

2230-2300 on 7530 TSH 100 kW / 250 deg to SEAs Hmong

Voice of Tibet, frequencies varies

1300-1306 on 9864 DB 100 kW / 131 deg to CeAs Tibetan

1306-1308 on 9884 DB 100 kW / 131 deg to CeAs Tibetan

1308-1313 on 9883 DB 100 kW / 131 deg to CeAs Tibetan

1313-1336 on 9884 DB 100 kW / 131 deg to CeAs Tibetan

1330-1340 on 9814 DB 100 kW / 131 deg to CeAs Tibetan

1336-1342 on 9836 DB 100 kW / 131 deg to CeAs Tibetan

1340-1400 on 9794 DB 100 kW / 131 deg to CeAs Tibetan

1342-1400 on 9834 DB 100 kW / 131 deg to CeAs Tibetan

2300-2307 on 7494 DB 100 kW / 131 deg to CeAs Tibetan

2307-2330 on 7486 DB 100 kW / 131 deg to CeAs Tibetan

2330-2336 on 7476 DB 100 kW / 131 deg to CeAs Tibetan

2336-2342 on 7486 DB 100 kW / 131 deg to CeAs Tibetan

2342-2400 on 7496 DB 100 kW / 131 deg to CeAs Tibetan

(Via DX mix News 1180 Georgi Bancov & Ivo Ivanov. 30 June 2020)

CONGO

6210.2, Radio Kahuzi, Bukavu, noted out of air for weeks. I have contacted with the station about this and here is the reply: "We are moving our SW Antenna and hope to do better soon in the evenings; it is off and on during the day also, so we PRAY a lot for power. We appreciate your DX reports, and will try to give you a call back when we test the new location of the Antenna ! Keep Looking UP !" (Via HCDX Manuel Mendez. Lugo Spain)

GERMANY

Channel 292 to begin broadcasting on 9670 kHz from August 1 The frequency is not registered in Summer A-20 HFCC Database as of July 22 From August 1 to September 4 there will be no broadcasts on frequency 7440**August 1* Here updated schedule, including more transmissions and time changes of FTIOM & UBMP August 1*

0500-0600 on 9670 ROB 010 kW / non-dir to CeEu English Sat Crusader Radio

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sat Alt Universe Top 40

1200-1300 on 9670 ROB 010 kW / non-dir to CeEu English Sat The GHOUL

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music*August 2*

0600-0700 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sun Radio Waves Int.

0700-0800 on 9670 ROB 010 kW / non-dir to CeEu English Sun SuperClan Radio

0900-1000 on 9670 ROB 010 kW / non-dir to CeEu German Sun Radio DARC

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sun Valley FM

1500-1600 on 9670 ROB 010 kW / non-dir to CeEu English Sun The GHOUL

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Sun Encore

Classical Music

1900-2000 on 9670 ROB 010 kW / non-dir to CeEu English Sun The GHOUL*August 3*

1500-1600 on 9670 ROB 010 kW / non-dir to CeEu German Mon Radio DARC*August 7*

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Fri From the

Isle of Music

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Fri Uncle

Bill's Melting Pot

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Fri Radio

Waves Int.*August 8*

0500-0600 on 9670 ROB 010 kW / non-dir to CeEu English Sat Crusader Radio

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sat Alt Universe Top 40

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

2100-2200 on 9670 ROB 010 kW / non-dir to CeEu English 2nd Sat Retromix 266

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sat Radio

Waves Int.*August 9*

0600-0700 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sun Radio Waves Int.

0700-0800 on 9670 ROB 010 kW / non-dir to CeEu English Sun SuperClan Radio

0900-1000 on 9670 ROB 010 kW / non-dir to CeEu German Sun Radio DARC

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sun Valley FM

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Sun Encore

Classical Music*August 10*

1500-1600 on 9670 ROB 010 kW / non-dir to CeEu German Mon Radio

DARC*August 14*

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Fri From the

Isle of Music

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Fri Uncle

Bill's Melting Pot

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Fri Radio

Waves Int.*August 15*

0200-0300 on 9670 ROB 010 kW / non-dir to CeEu English 3rd Sat TEXAS

Radio Shortwave

0500-0600 on 9670 ROB 010 kW / non-dir to CeEu English Sat Crusader Radio

0800-0900 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre 3rd Sat

Atlantic 2000 Int.

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sat Alt Universe Top 40

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sat Radio

Waves Int.*August 16*

0600-0700 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sun Radio Waves Int.

0700-0800 on 9670 ROB 010 kW / non-dir to CeEu English Sun SuperClan Radio

0900-1000 on 9670 ROB 010 kW / non-dir to CeEu German Sun Radio DARC

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sun Valley FM

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Sun Encore

Classical Music*August 17*

1500-1600 on 9670 ROB 010 kW / non-dir to CeEu German Mon Radio

DARC*August 21*

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Fri From the

Isle of Music

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Fri Uncle

Bill's Melting Pot

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Fri Radio

Waves Int.*August 22*

0500-0600 on 9670 ROB 010 kW / non-dir to CeEu English Sat Crusader Radio

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sat Alt Universe Top 40

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sat Radio

Waves Int.*August 23*

0600-0700 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sun Radio Waves Int.

0700-0800 on 9670 ROB 010 kW / non-dir to CeEu English Sun SuperClan Radio

0900-1000 on 9670 ROB 010 kW / non-dir to CeEu German Sun Radio DARC

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sun Valley FM

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Sun Encore

Classical Music*August 24*

1500-1600 on 9670 ROB 010 kW / non-dir to CeEu German Mon Radio

DARC*August 28*

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Fri From the

Isle of Music

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Fri Uncle

Bill's Melting Pot

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Fri Radio

Waves Int.*August 29*

0500-0600 on 9670 ROB 010 kW / non-dir to CeEu English Sat Crusader Radio

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sat Alt Universe Top 40

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sat Radio

Waves Int.*August 30*

0600-0700 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sun Radio Waves Int.

0700-0800 on 9670 ROB 010 kW / non-dir to CeEu English Sun SuperClan Radio

0900-1000 on 9670 ROB 010 kW / non-dir to CeEu German Sun Radio DARC

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sun Valley FM

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sun Easy Listening

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Sun Encore

Classical Music*August 31*

1500-1600 on 9670 ROB 010 kW / non-dir to CeEu German Mon Radio DARC

September 4

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Fri From the Isle of Music

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Fri Uncle Bill's Melting Pot

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Fri Radio Waves Int

. *September 5*

0500-0600 on 9670 ROB 010 kW / non-dir to CeEu English Sat Crusader Radio

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sat Alt Universe Top 40

1700-1800 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

2200-2300 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sat Radio

Waves Int.*September 6*

0600-0700 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sun Radio Waves Int.

0700-0800 on 9670 ROB 010 kW / non-dir to CeEu English Sun SuperClan Radio

0900-1000 on 9670 ROB 010 kW / non-dir to CeEu German Sun Radio DARC

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sun Valley FM

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Sun Encore

Classical Music*September 7*

1500-1600 on 9670 ROB 010 kW / non-dir to CeEu German Mon Radio DARC

2100-2200 on 9670 ROB 010 kW / non-dir to CeEu English Mon Showcase

292*September 12*

0500-0600 on 9670 ROB 010 kW / non-dir to CeEu English Sat Crusader Radio

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sat Encore

Classical Music

1100-1200 on 9670 ROB 010 kW / non-dir to CeEu English Sat Alt

Universe Top 40*September 13*

0600-0700 on 9670 ROB 010 kW / non-dir to CeEu Eng/Fre Sun Radio Waves Int.

0700-0800 on 9670 ROB 010 kW / non-dir to CeEu English Sun SuperClan Radio

0900-1000 on 9670 ROB 010 kW / non-dir to CeEu German Sun Radio DARC

1000-1100 on 9670 ROB 010 kW / non-dir to CeEu English Sun Valley FM

1600-1700 on 9670 ROB 010 kW / non-dir to CeEu English Sun Encore

Classical Music*The frequency 9670 khz is not registered in A-20 HFCC Database as of July 27. From August 1 to September 13 there will be no broadcasts on frequency 7440.*

(Via HCDX Ivo Ivanov)

INDIA

All India Radio Thiruvanthapuram back on shortwave

Their regular schedule is 5010kHz 0020-0205 1130-1740. 7290kHz 0230-0930 Sat & Sun

1030. Reception reports to se_airvm@rediffmail.com

(Via Radio Activity posted by Alokesh Gupta. Jose Jacob, National Institute of Amateur Radio, Hyderabad)

NETHERLANDS

Summer A-20 shortwave schedule of Mike Radio via Heerde:*1400-2200 on 3940 HEE 001 kW / non-dir to WeEu Dutch Sat from July 25*And tentative winter B-20 shortwave schedule of Mike Radio via Heerde:* 0600-1200 on 6130 HEE 001 kW / non-dir to WeEu Dutch Sun

from Oct. 26*Mike Radio applied to join the High Frequency Coordination conference. The station was listed on Summer A20 HFCC website on July 21 under MIK BUT the frequencies are missing on Summer A20 HFCC website on July 27!* (Via HCDX Ivo Ivanov)

BROADCAST NEWS

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Mangawhai

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KGB RETURNS TO SAN DIEGO; NEW AMERICAN 'BIN' NETWORK

NEW ZEALAND NZME's new "Gold AM" network launched on 1 July using the following AM frequencies previously used by Radio Sport :

549 Nelson, 558 Invercargill, 693 Dunedin, 702 Ashburton, 729 Whangarei, 774 New Plymouth, 792 Hamilton, 1062 Whanganui, Palmerston North 1089, Hawkes Bay 1125, Auckland 1332, Rotorua 1350, Timaru 1494, Christchurch 1503, Wellington 1503, and Tauranga 1521. (BC)

ALGERIA Since early June 2020, Alger Chaîne I on 891 is off air. The 1422 and 981 outlets continue as always. (Guillermo Sáez mediumwave.info 15/6 via IRCA)

ARGENTINA 1070 AM, previously occupied by LR1 Radio El Mundo has new owners - Radio Cooperativa, which currently operates on 770 KHz. It is not known whether Radio Cooperativa will move to this new frequency under this same name, leaving the 770 KHz where it currently transmits, and if any, what will happen to the latter frequency, (Argentina en AM y FM Facebook page)

AUSTRALIA SEN Track Melbourne is now on air on **1593** kHz (ex Niche Radio Network) Melbourne, some hours earlier than announced. 3MP Melbourne **1377** kHz is now owned and operated by ACE broadcasters. The switch-over from SEN to 3MP supposedly occurred at 1800hrs LT. July 3rd, 2020. (Ian Baxter via MW Masts io Group)

ABC North Queensland has announced that the main AM Broadcast 198m high Mast situated near Brandon North Queensland, in service on **630** kHz since 1959, will be demolished and replaced with a new 236m high mast. During the work 630kHz will remain on-air, however at reduced power on backup medium wave antenna. The work is expected to start next Wednesday and be completed during November 2020. The 3 year planning stage for the replacement mast has taken into account enhancements to ensure reliability of coverage for 4QN and includes the latest enhancements in severe weather structural survivability. A number of backup temporary FM Broadcast services have been brought online. If you have trouble getting good reception on ABC 630kHz AM then try these alternative radio services - Charters Towers - 100.1MHz FM, Cardwell - 100.1MHz FM and Townsville - 91.1MHz FM. Further information can be found online at abc.net.au/radio/northqld/important-signal-information/12443928 (WIA News 26/7 via Ray Crawford)

BRAZIL Rádio Globo closed its AM network May 31 and stations have to till the end of 2020 to migrate to other networks or establish local programming. Some stations are still using the Radio Globo identification eg 1240 Radio Globo Ituiutaba, (MG72) but with local program. (TuRadio, Rudolf Grimm and Jan Alvestad, ARC via IRCA)

CANADA (via IRCA DX Monitor, Jon Pearkins & Dan Sys IRCA)

Expect a change in overnight programming on most of the Corus-owned stations in Canada. The last live "The Shift with Drex" aired July 10, and had been easily recognizable with the host's Australian accent and his weekly simulcast with KMOX. No word yet on replacement programming. It was carried on CKNW-980 New Westminster BC, where it originated, as

well as CHNL-610 Kamloops BC, CHED-630 Edmonton AB, CHQR-770 Calgary AB, CJOB-680 Winnipeg MB, CFPL-980 London ON, CJOY-1460 Guelph ON, CHML-900 Hamilton ON and CFMJ-640 Toronto ON. All but CHNL frequently identify as "Global News".

- 810 CKJS Winnipeg MB An extension to November 30 2021 has been approved for the move to FM, but it is 3 months earlier than the station's estimated completion date. Rather than leasing space on a shorter Rogers tower, as originally approved, CKJS-FM is now approved to operate on their own land with less power on a taller tower. All of that coupled with the usual three month AM-FM simulcast period, means that CKJS-810 should be available for two more DX seasons.
- 1570 CJLV Laval QC Applied to amend license to increase Ethnic programming to 40% from the standard 15% allowed on AM stations, with programming blocks for Spanish, Arabic (Maghrebi), Greek and Chinese (Mandarin) audiences in the Montreal area. The existing, but not profitable, local French language programming for Laval would continue for the remaining 60% of the broadcast week.

GUAM KUSG Agaña on **1350** has been granted an STA (special temporary authority) to operate U1 with 75 watts day and night, due to grounding issues. (NRC DX News)

HAWAII (items from National Radio Club's 'DX News' bulletin)

- 550 KNUI Wailuku went silent Mar. 30; back on the air June 11.
- 1040 KLHT Honolulu granted STA extension, periodically with reduced power.
- 1080 KWAH Honolulu went silent 20 November last year, back on the air 1-20 May, looking for new programming source.
- 1500 KHKA Honolulu granted STA extension, periodically with reduced power.

HONDURAS

- 1220 Radio Sintonía, Juticalpa operates with 1 kW. Facebook: fb.com/Radio-Sintonía-1220-AM-1031647373646322
- 1400 HRUV Radio El Patrón, is in operation irregularly.
- 1460 HR.. La Voz del Patuca, Catacamas operates with 1 kW.
- La Voz de Honduras and Radio América are closing their MW networks.
(Mauno Ritola, ARC via IRCA)

ISRAEL Our man on the spot in northern Israel confirms that the 10 kW transmitter on **1458** kHz at She'ar Yashuv, which used to carry Reshet Alef or KAN TARBUT (Culture Network), has now been reactivated, but with a different channel, KAN MORESHET (Heritage Network). It is \ with 100.7 MHz (Haifa) and 90.8 MHz (Kohav Hayarden).

The primary target is the far northern town of Kiryat Shmona, as well as the settlements on the Golan Heights that the FM signals do not reach. (Ray Robinson, Voice of Hope via WRTH Monitor 6/20 via Glenn Hauser's WOR io Group)

LUXEMBOURG RTL on **234** longwave is considering closing their transmitter this year. This would leave Luxembourg, France and Belgium without any nationwide French speaking AM service. (Bretagne 1593 kHz the only regional). (Ydun's Medium Wave Info 2.6.2020 via Arctic Radio Club via GH's WOR io Group) These rumours have been going on since Europe1 closed its longwave transmitter. But the station has never confirmed any of these. However, the station seems to go on reduced power every evening. This has been going on for months. At 1820 UTC (1920 UTC in the winter) ±2 minutes there is a break in transmission of about 5 seconds. Then the signal comes back with lower power. (Rémy Friess via Mike Terry via WOR io Group)

MEXICO According to San Diego radio news: <https://www.themightier1090.com/news> **1090** XEPRS going back to sports by early August. (Bill Lipis via Phil Bytheway, IRCA)
The FCC's International Bureau (has) dismissed an application to deliver Mandarin Chinese programming from a studio located in Irwindale, California to XEWW-AM **690** in Mexico for rebroadcast back into the United States. The application was dismissed because the parties failed to include in their application a key participant, Phoenix Radio, which produces the Mandarin programming in its studio. Phoenix Radio is partially owned by two entities with Chinese government ownership, Extra Steps Investment Limited and China Wise International Limited. The parties have 48 hours to cease broadcast operations related to this application. The intent of the application was that the programming would be transmitted from the studio to XEWW-AM in Rosarito, Baja California Norte, Mexico and then broadcast back into the United States. If such a revised application is filed that includes Phoenix Radio as an applicant, the Commission would review it under applicable law, including determining whether the grant of the application would serve the public interest under Section 309 of the Communications Act. (Steve Whitt MW Circle via Nick Hall-Patch in IRCA io Group)
XEWW 690 is running announcements re their Chinese programming pending FCC objections/filings. So 690 is simply running music fill and announcements to go to a website for the former Chinese programming. (IRCA)

NORFOLK ISLAND Per their website, Radio Norfolk now broadcasts on **1566** AM at the following times: Monday to Friday 7am till 4pm, then relay of Radio NZ, Saturday 7am to 12pm, then relay of Radio NZ; Sunday 7am to 11am, then Radio NZ. [Times listed here will be local – 1 hour behind NZ. I did hear them opening at 2000 UTC last year but haven't been able to trace their signal during my late July checks morning and evening. (BC)

PORTUGAL I confirm the channel of the Radio Renascença group called "Rádio Sim" is theoretically over. The MW transmitters airing Radio Sim were switched to air Radio Renascença channel 1 instead, with the Seixal transmitter awaiting reactivation. The active MW frequencies will be 891 Vilamoura, 963 Seixal (greater Lisbon), 981 Geria (Coimbra) and 1251kHz Castelo Branco. There are no plans to reactivate the remaining MF transmitters, let alone that of the Muge site which houses 2x10 kW MW transmitters, 1x100 kW MW transmitter plus 1x100 kW HF transmitter. (Carlos Gonçalves, PlayDX via WRTH Facebook page)

PUERTO RICO (items from NRC DX News)

600 WYEL Mayagüez granted STA extension, U1 1250/1250.
1160 WBQN Barceloneta applies to extend STA, U1 1250/1250.

TURKMENISTAN Probably the only AM transmitter in the country on **279** kHz has been operating very irregularly and even then with hardly any modulation. (WRTH Update June via BDXC via Mike Terry in Glenn Hausers WOR io Group)

UNITED KINGDOM Radio stations will be allowed to continue broadcasting via analogue for another decade, the government has said, after several FM and AM commercial radio licences were set to expire from early 2022. Under new government plans, Ofcom will be able to renew analogue licences for a further 10-year period so long as stations also broadcast on digital radio. Nearly 60 per cent of all radio listening is now via digital devices, but analogue stations are still used by millions of listeners on FM and AM radio services every day, according to the Department for Digital, Culture, Media and Sport (DCMS). John Whittingdale, the minister for media and data, said the extension was agreed to ensure there is "no disruption" for listeners over the next decade. A public consultation on extending

analog commercial radio broadcasting licences, which ran from December 2019 to February 2020, originally proposed either a five-year or eight-year extension. Licences for a number of stations, including popular broadcasters such as Classic FM and TalkSport, were due to expire in the next few years. The government's consultation came in light of a shift to digital listening across the UK, with current trends suggesting analogue radio could account for only 10 per cent of listening by the end of this decade. (Additional reporting by PA, Independent newspaper via Martin Hadlow)

URUGUAY Radio Zorilla San Martin was a frequent catch earlier this year on 1400. Last September the station celebrated 80 years on air. Celebrations included a special beer (via Horacio Nigro)

USA (Items from International Radio Club of America's 'DX Monitor')



- 700 KMBX Soledad CA now part of El Sembrador Nueva Evangelizacion (ESNE) network, slogan "El Sembrador Radio".
- 850 KHHO Tacoma WA has joined the new Black Information Network (BIN).
- 880 KJJR Whitefish MT new slogan "New Talk 880 AM 107.9 FM KJJR".
- 910 KKSF Oakland, CA is now part of the "BIN" network.
- 1040 WHBO Pinellas Park FL now has news/talk format.
- 1050 KTBL Los Ranchos NM adds slogan: "94.5 The Pit".
- 1080 KRLD Dallas, TX has replaced its news/talk format with all-news.
- 1130 WDFN Detroit, MI has switched to the "BIN" network.
- 1240 KQEN Roseburg OR new slogan: "News Radio 1240 KQEN"
- 1250 KHIL Willcox AZ has slogan: "KHIL 1250 AM / 98.1 FM"
- 1270 KVMI Tulare CA slogan is now "My 97.5 FM".
- 1280 WODT New Orleans LA drops sports format - now talk as part of BIN network.
- 1310 KZIP Amarillo TX format now Spanish religion, slogan: "Radio Vida"
- 1340 KPGE Page AZ now using slogan "The Bandit"
- 1340 KBNW Bend OR new slogan: "KBNW 1340 and 104.5"
- KYSP Wenatchee WA adds slogan: "1340 The Hawk"
- 1400 KSRR Provo UT format now adult hits & talk, slogan: "1400 K-Star".
- 1400 WIRA Fort Pierce FL new slogan: "WIRA La Nueva 104.9 FM"
- 1420 KTOE Mankato MN has new slogan: "KTOE AM 1420 102.7 FM"
- 1440 KFOO Riverside CA as joined the new BIN Network.
- 1520 KFXZ Lafayette LA format was Spanish CHR, now news/talk
- KOKC Oklahoma City OK slogan is now "KOKC 95.3 FM 1520 AM"

USA (items from NRC's "DX News" magazine)

610 WIOD Miami FL applies to extend STA, U4 10kw/10kw due Cuban QRM.

- 660 KGSV Oildale CA granted STA extension, U1 with 1.5kw nights.
- 760 KFMB San Diego CA had call change to KGB on 4 July. Slogan "Talk 760".
- 770 WABC New York NY – slogan now "77 Talkradio," adds // WLIR-FM-107.1.
- 910 KKSF Oakland CA has joined the Black Information Network, format UC:NWS/TLK.
- 1200 WMUZ Taylor MI granted STA, U3 15kw day & night, night pattern 24 hours (can't switch).
- 1250 KKDZ Seattle WA granted STA extension, U1 5kw/1.25kw (day power 0300-LSS ELT).
- 1280 KXEG Phoenix AZ went silent on 15 April due financial difficulties.
- 1320 WDDV Venice FL had call change to WDIZ (June 29).
- 1340 WYNF Augusta GA format to UC:NWS/TLK, "Black Information Network."
- 1350 WWWL LA New Orleans granted STA, U1 5000/480, feedline to a night tower is damaged.
- 1400 KSRR Provo UT slogan is now "K-Star."
- 1400 KEBE Greenville TX went silent July 1 (2019), back on the air June 18.
- 1440 KFOO Riverside CA is now part of the Black Information Network (BIN).
- 1440 WGVL Greenville SC format now UC:NWS/TLK with the new BIN network.
- 1450 KSKE Buena Vista CO call change to KVBV (June 25, station is silent).
- 1460 WGSY Phenix City AL another to switch to "Black Information Network".
- 1480 WZJY Mount Pleasant SC format now SS:MEX, slogan "La Raza."
- 1490 WVGB Beaufort SC granted STA extension, U1 500/500.
- 1490 KPCQ Chubbuck ID silent since 17 June 2019; on air with STA June 14.
- 1510 KGA Spokane WA granted STA extension, U1 50kw/540 watts (CH 45kw).
- 1540 KMPC Los Angeles CA granted STA, U1 9.25kw day & night due tower damage from brush fires.
- 1540 WWGK Cleveland OH now carries ESPN, "KNR2 AM 1540".
- 1560 KEBC Del City OK using slogan "The Franchise," networks to SBN/PRN.
- 1590 KLIV San Jose CA went silent on 15 July pending completion of sale.
- 1590 KLFE Seattle WA now carries the Dave Ramsay Show. (Wayne Heinen)
- 1600 WPOM Riviera Beach FL silent 10 June, back on the air with STA June 29.

X BAND UPDATE

CANADA

- 1610 CHHA Toronto ON has "Punjab Content" 0000-0500 ELT Tues-Sat and 1000-1300 Mon-Fri is listed in the new Program Schedule, significantly reducing the station's Spanish language programming. As heard earlier this month in Edmonton, overnights are continuous Punjabi vocal pop music, with several minutes of commercials and announcements 2-4 times an hour. Their power increase to 10KW has not yet been approved.
- 1610 CHHA Toronto ON Their new program schedule has created some confusion among DXers, with the overnight hours after midnight listed as part of the day before. Most notably: although listed as Monday to Friday, "Punjab Content" actually runs Tuesday to Saturday mornings from midnight to 5:00 AM Eastern Daylight time. (via IRCA DX Monitor, Jon Pearkins & Dan Sys IRCA)

USA

- 1650 KFSW Fort Smith AR new slogan is "The Cross 98.7". (IRCA)
- 1650 WHKT Portsmouth VA has new slogan "Praise 1049". (IRCA)

- 1660 WQLR Kalamazoo MI using new slogan: “AM 1660 The Fan”. (IRCA)
- 1670 WMGE Dry Branch GA has dropped sports and joined the new Black Information Network. BIN is the first and only 24/7 national and local all news audio service that is giving the Black community objective, accurate, and trusted news service. BIN aims to service the Black Community and to provide information for improved communication, accountability, and understanding. (Wikipedia via Barry Davies)
- 1670 WMGE Dry Branch GA format now Urban Contemporary, News & Talk (ex-Sport); slogan to “Black Information Network,” networks to BIN. (NRC)
- 1680 WPRR Ada MI noted off air 10 July. Owned by Goodrich Broadcasting and Theaters.



Their local multi-screen theatre is in bankruptcy. The two are probably related. On 18 July, back on with dead carrier to 0026 when R&B music pops in, ID “The Ride” then dead carrier again at 0037 to 0145 when I quit for the night. On 22 July, back on with R&B music, 0336 YL voice “WPRR Grand Rapids”. 0347 ID YL voice “102.5 The Ride”. 102.5 is LPFM W273DD located NW of Grand Rapids. 1348 YL ID “WPRR 102.5 FM The Ride Ada-Grand Rapids” (Jack Amelar, MARE Tipsheet via Glenn Hauser’s WOR IO Group)

- 1700 WRCR Ramapo NY verified by Alexander Medakovich, Alexander Broadcasting, Inc., 144 Ramapo Rd, Unit #10, Garnerville NY 10923; alex@wrcr.com (IRCA)

MAILBAG

PAUL ORMANDY Oamaru sends along some excellent loggings from the League SDRs, including a comprehensive look at Aussie X-banders *[thanks Paul. BC]*.

ARTHUR DE MAINE Ashburton contributes some medium wave logs from a recent holiday at Charleston on the South Island West Coast. *[Time to do it again Arthur! BC]*

TONY KING Greytown is another to support our Broadcast Trail. *[Thanks Tony; with the dramatic drop off in international shortwave listening options, medium wave is very much where the DX action is nowadays! BC]*

MIKE SMITH Opunake reports a quiet month, but he did manage to get a good EE ID from KFOX on 1650, so plans to get a report away. Retirement is beckoning, along with some road trips, the first to see family in Riverton! *[Once the centre of Kiwi DX I think, Mike! Will be passing through myself in August so will warn them you are coming! Thanks for more excellent trail items. BC]*

BRYAN CLARK Mangawhai has been concentrating his DX listening on 1400 – I suspect Harbour Light of the Windwards might have extended hours there, as familiar programming (but no ID) observed on 29 July between 06 and 07 UTC. Have tried unsuccessfully to hear the Norfolk Island transmitter on 1566 lately – suspect it might be off, at least at nights. Regularly heard in NZ, KFMB 760 has changed callsign to KGB. This was previously a San Diego radio call between 1928 and 1982 on 1360 AM. Heading to Southland in August for a few weeks so will take a radio and wire along for the ride.

BROADCAST TRAIL

NOTE: Member loggings made on remote New Zealand-based SDRs are indicated with a symbol after the frequency. An asterisk (*) is to be used for loggings made on League SDR1 at Russell (Bay of Islands) with Flag antenna aimed NE and a hash (#) for loggings made on SDR2 at Opunake (Taranaki) with EWE antenna mainly to SSE. a = approx.. frequency for station well off its nominal channel, v= frequency varies during reception.

- PWO** Paul Ormandy, Oamaru DXing with the League SDRs at Russell and Opunake.
ABD Arthur De Maine, Charleston with Elad FDM-S2 SDR & EWE pointing SSW.
TK Tony King, Greytown w/Tecsun PL380, EWE's NE N SE (2)
MS Mike Smith, Opunake DXing on the League's SDRs at Russell & Opunake
BCM Bryan Clark in Mangawhai with WinRadio G33DDC & EWEs to NE, E & SE.
- 710# 0540 ARGENTINA Radio Diez, Buenos Aires, ID hrd, peaking good 27/07. MWS
 760 0635 USA KGB San Diego CA (new call for KFMB) w/Red Eye Radio. At 0700, id for "San Diego's AM 7-60", then CBS News from Los Angeles, 31/7. BCM
 819 0800 AUSTRALIA ABC News Talking about the number of Covid cases in Victoria and then talked about sport in NSW fair 15/7 ABD
 828 0655 AUSTRALIA ABC 3GI talking about someone who had claimed \$10,000, 0700 "It's 5 o'clock, Jim Graham with ABC News" 0705 male announced "ABC Radio Victoria" good 15/7. ABD
 830 0758 USA KLAA Los Angeles CA w/ ID & sports nx 20/7 TK
 830# 0509 ARGENTINA R. Prov. Santa Cruz fair with ID 7/7 MWS
 850# 0544 URUGUAY Radio R. Carve poor with SS talk/commentary 27/7 MWS
 860 0759 MEXICO XEMO Tijuana. ID on hr. Rel with source address 18/7 TK
 880# 0605 PERU Radio Union, usual sermon, gd signal but poor mod. 06/07 MWS
 910# 0545 ARGENTINA Radio La Red w/ SS vocals fair 27/07 MWS
 920# 0513 PARAGUAY ZP1 fair with music programme 7/7. MWS
 920 0540 PARAGUAY ZP1 Asuncion fair w/harp mx, 'Radio Nacional' ident 31/7. BCM
 940# 0545 BRAZIL R. Boa Vontade fair w/ PP sermon 27/7. MWS
 940 0804 USA KFIG Fresno CA. Sports talk on 7/7 TK
 1098# 0913 MARSHALL ISLANDS V7AB Majuro, islands mx, announcement in EE, thumping Aussies & NZers. 7/7 PWO
 1100# 0723 ARGENTINA R Ciudad, Buenos Aires, fr w/SS metal rock, //web. 1/7 PWO
 1120 0857 USA KPNW Eugene, OR good w/ ID and sports summary 17/7 TK
 1140* 0628 CANADA CHR B High River AB fair with Christian songs 7/7. MWS
 1200# 0550 BRAZIL Radio Cultura, Sao Paulo, pr-fr w/soft FA vocs, //web 10/7 PWO
 1200 0712 CANADA CJRJ Vancouver occasionally overriding WOAI w/Hindi pops 20/7. The // web stream was about half a minute behind radio signal. BCM
 1210* 1019 USA KPRZ San Marcos CA fair with relig. talk 7/7. MWS
 1210 0835 USA KPRZ San Marcos CA Jewish rel. Rabbi named. VG ID 26/7. TK
 1210 0845 USA KGYN Guymon OK w/'25% off water filters' Promo ID 24/7 TK
 1210# 0556 BRAZIL Super R Deus E Amor, Curitiba, up/down w/PP relig tik. 10/7 PWO
 1260# 0904 UNID FA American accent w/"worldwide on ???radio.com" mxd Aussies. Could have been "joyfamilyradio.com", which is V6JY Yap Island's website? Station with what could be a Pacific language hrd here on occasion. JOIR Sendai pops up often in JJ too. 10/7 PWO

1260 0558 VENEZUELA BBN Radio, Caracas occasionally over the mix w/familiar gospel songs, SS ident, fanfares 0601, then religious talk 29/6. BCM

1290* 1015 USA KKDD San Bernardino CA fair w/ 'Coast to Coast with George Noory' 7/7 MWS

1320 0813 USA KIFM West Sacramento CA w/ ESPN Sports talk, occasionally fair on peaks despite heavy 1323 slop 3/7. BCM

1360# 0740 PERU Radio Bienestar, Lima, steady w/tlk MA & FA incl ads. 7/7 PWO

1390 0958 UNID station with tone test 21/7, approx. 60 secs on, 1 second off pattern. Followed past 1009 UTC. BCM

1400a 0457 ECUADOR HCFL2 Radio Z1, Guayaquil fair on peaks w/lively Latin rhythms, occasional brief idents // webstream 29/7 off freq on 1400.272m. BCM

1400 1159 UNID USA Talk station and country music format here mixed w/KVTO in Asian lang. The talker gave possible ident like KR..Zee at 1200 19/7. BCM

1400 0632 UNID Suspect Harbour Light of the Windwards may now be 24 hours on AM as familiar format noted 29/7 past 0700. BCM

1410 0725 CFTE Vancouver BC on Coast to Coast AM w/George Noory, 0730 "News from the National Newsroom of the Canadian Press", good. At 0758 ident as "This is BBN, Bloomberg Radio in metro Vancouver on 14-10 AM". 1/7. BCM

1420# 0457 BRASIL Radio Guaruja w/PP talk, peaking fair 8/7. MWS

1422 0602 AUSTRALIA 3XY Radio Hellas, Melbourne noted w/Greek vocals – early fade-in on 1421.981m while I was looking for Algeria longpath 11/7. BCM

1430# 0822 USA KYNO Fresno CA nice ID up in the mix on SSE EWE 6/7. MWS

1480 0838 PERU Radio Espinar, Yauri B2B orch. ID & address 0848 25/7 TK

1490 0445 COLOMBIA HJAY Radio Vida Nueva w/SS religious talk // web feed. On measured 1489.981 peaking fair despite noisy condx 29/7. BCM

1570 0600 HAWAII KUAU Honolulu w/ 2 YLs discuss religion.No trace XERF 24/7. TK

1570a 0738 UNID LATIN on measured 1570.039-0.41 pushing thru KUAU 13/7. Suspect this is Peruvian Radio Carraviz which has previously been around 1260.014. No clues on the MW Offsets List. BCM

1580 0536 USA KBLA Santa Monica CA. SS rel and ID 18/7 TK

1611 0950 AUSTRALIA Vision Radio Network // 1620 and 1665 fair 15/7 ABD

1611# 0830 AUSTRALIA SBS Pop Desi, Launceston, modern Hindi pops 1/7. PWO

1620 0600 CUBA Radio Rebelde w/ Time pips. YL news 22/7 TK

1620# 0835 AUSTRALIA Vision Christian Radio, Taylors Beach, religious radio drama //1647. 1/7 PWO

1629# 0824 AUSTRALIA 1629 AM, Newcastle, fr w/Frankie Laine song, mxd tlk 1/7 PWO

1638# 0822 AUSTRALIA 2ME, various locations, good w/FA in AA w/sprinkling EE words, multi-sig echo 1/7 PWO

1638a 1918 AUSTRALIA 2ME Sydney w/Middle Eastern vocals, good on measured 1637.851, better signal than // 1637.987 from Melbourne 28/7. BCM

1647# 0820 AUSTRALIA Vision Christian R, Mackay, fr-gd w/US evangelist //1656. 01/7 PWO

1650* 1200 USA KFOX KK programme with EE ID on the hour, good. 24/07 MWS

1656# 0817 AUSTRALIA Radio Rhythm, Melbourne w/Hindi pops, mixed VCR. ID in EE/ Hindi. 1/7 PWO

1656# 0814 AUSTRALIA Vision Christian R, Bundaberg, fr w/US evangelist.1/7 PWO

1660 0540 PUERTO RICO WGIT Casanovas w/rel address & vocals. Regular 11/7 TK

1665 0939 AUSTRALIA 2MM male in Greek Lang mixed with Vision Radio Network, Melbourne fair 15/7 ABD

1665# 0844 AUSTRALIA Vision Christian R, Melbourne, fr/ relig radio drama. 1/7 PWO

- 1665# 0844 AUSTRALIA 2MM Greek R, Sydney, up/dn w/Greek tlk. 01/7 PWO
 1674# 0810 AUSTRALIA R Haanji, Melbourne and Sydney audible with diff progs in Hindi.01/7 PWO
 1680* 1015 USA WOKB Religious sermon EE w/ ID "1680 WOKB" fair, 28/6. MWS
 1680 1030 USA WOKB Wintergarden FL up w/religious homilies at times, mixed several others 28/7. BCM
 1683# 0807 AUSTRALIA Greek Radio, Melbourne, FA nx in Greek 6/7. PWO
 1683a 1912 AUSTRALIA Greek Radio, Sydney way off freq on 1683.283m w/pleasant Greek vocals. Best on USB to avoid massive het with 1683.005 signal (presumed Melbourne) 28/7. BCM
 1683a# 0806 AUSTRALIA Greek R, Sydney, 1683.3 off freq, FA nx in Greek. 06/7 PWO
 1692# 0816 AUSTRALIA R Symban, Campbelltown, fr w/ Greek traditional MA vocals. Listed as 60W! 6/7 PWO
 1701# 0838 AUSTRALIA Islam Voice R, Melbourne, fair AA mx mxd unid AA tlk 1/7 PWO
 1701# 0810 AUSTRALIA R Brisvaani, Brisbane on 1701.1, fair/w Hindi pops mxd AA 6/7 PWO

BRANCH NEWS

Any information re Branch News - notice of upcoming events or reports of recent events, please email:
nzrdxlchiefeditor@gmail.com



KNX, Los Angeles — A Centennial Station
The station will celebrate its 100th anniversary on Sept. 10.

How many of you have KNX, 1070 as your first American MW verification? I know that Paul Ormandy and I do. Here is an interesting article on its history.

In 1920, Fred Christian left his employment as a Marconi shipboard radio operator to become the manager of the Electric Lighting Supply Co. in Los Angeles. In addition to selling lighting fixtures, he began to offer the radio parts that tinkerers needed to build their own homemade radio sets.

From a back bedroom of his home, Christian also operated his 5 W amateur radio station, 6ADZ. On or about Sept. 10, 1920, he began broadcasting phonograph records borrowed from a local record store. Music transmission was not prohibited by amateur operators at that time, and dozens of hams around the country were broadcasting on informal schedules.

Christian, operating at the bottom of the ham bands on 200 meters (1500 kHz), was only the second radio station to broadcast in Los Angeles to that time. His aim was to promote the sale of radio parts in his store by giving his customers something to listen to.

In 1920, there were still no fixed regulations governing broadcasting, and the first stations operated under a variety of license classes, such as amateur, experimental or “commercial land station.” (The renowned pioneer station KDKA debuted with a new category called “limited commercial” license under the call sign 8ZZ.)

But starting in December 1921, the Department of Commerce required all stations broadcasting news or entertainment to hold a “Limited Commercial” license, and so most of the handful of stations already broadcasting by that date obtained new licenses with new call signs.

By March of 1922, there were 66 such licenses issued. Regrettably, they were all required to transmit their programs on one of just two frequencies: 360 meters (833 kHz) for entertainment, or 485 meters (619 kHz) for market and weather reports.

Thus, Christian’s station 6ADZ acquired the call sign KGC, and it was now sharing a single frequency with about eight other broadcasters in the Los Angeles Basin. Those stations met periodically to agree on a shared operating schedule, and KGC was only able to operate a few hours a week.

In May of 1922, Christian made arrangements to broadcast live music from the California Theatre, a prominent silent movie house. He built a new 50 W transmitter (soon increased to 100 watts), and moved his entire operation into the theatre. The move necessitated a change in operating license, and he was assigned the new call sign, KNX, with the old KGC license being deleted shortly afterwards.

Christian’s was one of several stations that changed licenses that year, considered by the government then to simply be the transfer of a station from one license class to the other without an interruption in service. Both licenses were in the name of the Electric Lighting Supply Co., and Fred Christian was listed as the station manager and operator in both instances.

Calling itself “The California Theatre Radiophone,” KNX was now broadcasting live music four or five days a week, featuring Carli Elinor’s California Theatre Concert Orchestra and the music of the theatre’s organ. A nightly newscast was also featured.

But finances to support the station were limited; advertising was not yet condoned on broadcast stations, and so the entire operation was being supported by the sale of radio parts at the store.

“The Voice of Hollywood”

In October 1924, Christian sold KNX to Guy C. Earle, publisher of the Los Angeles Evening Express newspaper, who had the means to turn it into a first-class operation. Starting in 1923, stations that agreed to transmit with at least 500 watts and abstain from playing recordings were eligible for the new Class “B” license and their own dedicated frequency, so Earle bought a new Western Electric transmitter and moved KNX to 890 kHz.

KNX was now “The Voice of Hollywood” — on the air from morning to late night with sports, news, informational talks, drama by the “KNX Players” and live evening broadcasts by Abe Lyman’s Orchestra from the Hotel Ambassador.

Earle hired Carrie Preston Rittmeister to be his program director. She had experimented with paid programs at another Los Angeles station, and soon had KNX on a paying basis five nights each week.

The sponsors were local companies seeking name recognition, and there was a minimum of direct advertising in the programs themselves. By 1925, KNX was showing an operating profit of \$25,000.

In 1929, Earle signed a five-year contract with Paramount Pictures, moving the KNX studios onto the Paramount movie lot. KNX was now the “Paramount-Express” station. Taking advantage of its Paramount connections, KNX became the first station to broadcast the Academy Awards in 1930.

In 1929, KNX was awarded 1050 kHz, one of two new clear channels the Federal Radio Commission had assigned to Southern California. A new 5,000 W transmitter plant was erected in Sherman Oaks in the San Fernando Valley, and a star-studded 24-hour dedicatory program was planned for Nov. 11, at which time KNX would debut its new powerful signal for the first time.

When the dramatic moment came to switch over to the new transmitter, radio listeners heard only a tremendous screech on the new frequency, and then ... silence! After a few moments, the old 1 kW transmitter was coaxed back onto the air.

It was several days before the engineers could sort out the problem and settle KNX into its new channel. Then they discovered another problem: The new 5,000 W signal was not being reaching out as well as the old signal.

Consulting engineers were brought in from across the country to puzzle over the case, and they eventually determined that the fault was in the antenna, a 179-foot wire cage suspended between two 250-foot supporting towers. The towers were resonating at the 1050 frequency, disrupting coverage. The problem was ultimately solved by inserting porcelain insulators at

the base of the towers.

Guy Earle soon sold his interests in the Evening Express newspaper and devoted all of his energies to KNX, now operating as the Western Broadcasting Co. One of California's renowned engineers, Kenneth Ormiston, went to work planning to increase power on the clear channel frequency — to 10,000 watts in 1932, to 25,000 in 1933 and finally to 50,000 watts in 1934. In all cases, the 1929 Western Electric 5,000-watt transmitter was used as a driver for the high-powered amplifiers built by Ormiston.

After WLW in Cincinnati was allowed to operate experimentally at 500 kW, plans were drawn up for a further increase to 250 kW, but the idea was abandoned in favor of a new half-wave self-supporting tower, constructed in 1935, which greatly increased signal strength at a fraction of the cost of a huge transmitter.

In 1935, Guy Earle bought the 20,000 square foot Motion Picture Hall of Fame building at 5939 Sunset Boulevard in Hollywood, and rebuilt it into the new KNX studio building at a cost of \$250,000. It featured six studios suspended on floating floors. Studio "A" was 30 x 60 feet, and Studio "B" featured a new \$35,000 Morton organ. Brand new RCA studio equipment was installed throughout.

Enter CBS

KNX was now a powerhouse station, with a powerful signal covering eleven Western states a night. Its 1935 gross income of \$675,000 ranked it among the six highest-billing stations in the country.

But the FCC became aware that much of that revenue was coming from the advertising of patent medicines, which the commission was seeking to eliminate from the airwaves. It decided to make KNX into a test case, and it set its license renewal for hearing over its advertisement of Marmola, a miracle fat-reducing product that the Federal Trade Commission determined to be ineffective and dangerous.

The hearing in October 1935 did not go well, and the KNX license was now in serious jeopardy. In 1936, under pressure over the license hearings, Earle sold KNX to the CBS network for \$1.25 million. It was the highest price ever paid for a single radio station to that date.

KNX was now CBS's key station on the West Coast, and would soon become the home base for CBS's Hollywood program origination.

In January 1937, CBS moved its Los Angeles network affiliation to KNX from KHJ and the Don Lee network, which caused a major realignment of network affiliations up and down the West Coast. Then on April 30, 1938, KNX and CBS moved into its new \$1.75 million Columbia Square studio complex at 6121 Sunset Boulevard.

It would be the origination location for dozens of CBS radio shows heard nationwide over the next decade, featuring stars such as Jack Benny, Bing Crosby, Burns and Allen. (KMPC then moved into the former KNX Sunset Boulevard building.)

In September, 1938, CBS debuted a new KNX transmitter complex on a five-acre parcel in Torrance. A gleaming new RCA 50-D transmitter was showcased in a streamlined domed

building that was open to the public for regular tours. A new 500-foot guyed tower propelled the KNX signal across all of the Western states in the evening hours. In March 1941, KNX moved to its present frequency of 1070 kHz after the nationwide NARBA treaty adjustment.

As network radio transitioned to the disc jockey era of the 1950s, KNX adopted a middle-of-the-road format, featuring personalities like Steve Allen and Bob Crane, who broadcast his popular KNX morning show from 1957 to 1965 before leaving to become the star of the TV series "Hogan's Heroes."

In September 1965, vandals cut a guy wire, destroying the KNX tower. The station operated from a 365-foot unused tower acquired from KFAC until a new antenna could be built. An experiment using both antennas as a directional array during the 1960s was abandoned, but both towers still exist today.

The 365-foot tower is now the KNX standby antenna, located inside a city park in Torrance.

In April 1968, KNX adopted an all-news format, which has successfully maintained it as one of the top ten news stations in the country. Entercom Communications acquired KNX in 2017 when it merged with CBS Radio. KNX will celebrate its 100th anniversary on Sept. 10, 2020.

Author: John Schneider

John Schneider is a lifetime radio historian, author of two books and dozens of articles on the subject, and a Fellow of the California Historical Radio Society.

(Source: https://www.radioworld.com/columns-and-views/roots-of-radio/knx-los-angeles-a-centennial-station?utm_source=Selligent&utm_medium=email&utm_campaign=20305&utm_content=RW_Newsbytes_BOW_eNews_7%2F3%2F20+&utm_term=3753056&m_i=NcWy_BpIYOAC2AqyD6qDjnp5uLjvexvSr1Hlu1aUlrFc_9M7JhmvJ5jcKE6nMI0YH6clgCDonuf9_Tola0OOEj8LwaFgnWNNn&M_BT=7043294528916) with thanks to Ray Crawford for forwarding to the Chief Editor.



SDR NEWS & DX



Editor

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Welcome to the August SDR News and DX pages. We begin with an interesting item from **Chris Mackerel (Marahau)** on his monitoring of All India Radio's DRM transmissions from Bengaluru as reported in the League's DX Dialog forum.

All India Radio have fired up their Bengaluru 500kW (185kW in DRM I think) transmitter again after a COVID lockdown and were running some DRM tests between 1000 & 1100 UTC tonight (July 24) so I thought I'd do a check of Marahau v Oponake v Russell SDR's:

1000-1010 UTC 15410 kHz

At home in Marahau: zilch - not a trace; Oponake Kiwi SDR: zilch - not a trace; Russell Kiwi SDR: 5% audio decoded

1015-1025 UTC 15030 kHz

At home in Marahau: zilch - not a trace; Oponake Kiwi SDR: faint DRM trace on spectrum but no decoding; Russell Kiwi SDR: 90% audio decoded on both channels

1030-1040 UTC 7550 kHz

Blocked by a strong STANAG signal here. DRM signal visible on the Russell Kiwi, but no decoding possible and no traces seen elsewhere. All transmissions appeared to be the same format: Ch1 - GOS-I, EEP, Audio 10.48 kbps; Ch2 - Vividh Bharati, EEP, Audio 10.48 kbps. For these tests the Russell site won hands-down. I still don't think AIR knows what they are doing. The 15410 test was supposedly aimed at Aus/NZ, and the 15030 at North Asia. And which one decoded best?! (Though "best" is relative!)

Next up we hear from **Douglas Johns** who writes:

I noted earlier this month that the sdr located in Bjargtangar Iceland provided quite good reception of New England seaboard stations down as far as New York around our local dusk time and also the odd high powered Canadians in Toronto etc. were quite strong. Prior to that say around 3pm local Iberian Peninsula stations abounded. Even a couple of QSLs have rolled in - both by email - from earlier reports being WUPE 1110 and WPNH 1300, both heard on a Shrewsbury VT SDR. *(Hi Douglas. I use the Bjargtangar sdr quite a lot and have had some excellent logs and QSL's from this sdr. Ed.)*

Now a few comments from **Ken Baird, Wainuiomata**. Ken comments: After your comments the other day I have been checking the Twente SDR using my Win10 PC and Edge+ and notice regular drop-outs since the change from 500 users to 800 users. Also, I have been getting a strong signal indication from the Spectrum display on the Twente SDR, but no audio on tuning the freq. An immediate check on Fenu-Radio in Switzerland, on the same frequency gave a strong signal with good audio - a bit strange. I think the Twente has a problem and I tend not to use it now. *(Ken I still use the Twente SDR although I also not it often suffers from audio drop outs. Ed)* Ken also comments: I get the regular data on loggings from HCDX. I notice they accept loggings from any receiver, including out of the

correspondents country SDRs. Glen Hauser will use any SDR to get the station he is after. Also, I saw a comment on ZDnet, a top tech Internet site, that a major change to the Internet will be announced on 28 July. No details given. This could be worth checking at the end of the month. Sounds very major. *(Very interesting Ken. I wonder what this development may be. Ed)* Ken further comments: I was browsing around and came across the "Spy Server Network". Search for SDR# (SDRSharp). Download the **Community Package** (It has all the plugins). Open SDR#, and source Spy Server Network. You will see a URL, to the right are 3 dots. Click on these and a list of SDRs available on the web show up as well as a map. Away you go. A different group of SDR's. *(Tnx for all that info Ken. Sorry you couldn't hear the LRA36 15476 broadcast. The best sdr to hear this one on is the Pardino sdr in Brazil. I logged it on the 4/7 at 1359 UTC s/on to after 1500 UTC. Signal began as fair but became much better after 1430 UTC.)*

Now over to some bandwatch items heard by members on overseas SDR's.

KHz	SDR	UTC	Country, Station, Programme & Reception Details
1602	8	0541	FINLAND: Scandinavian Weekend Radio-Virrat f/gd in Finnish with songs by The Whispers and the Players Association. At 0600 relayed Radio Emma Toc in EE. Later more songs in EE and Finnish 4/7 DL
3210u	6	1018	AUSTRALIA: Unique Radio-Gunnedah fair in USB with Free Radio Skybird then "Back to Back" with Daven Gregory at 1100 UTC 1/8 DL
5800	1	0227	USA: WRMI, EE/SS id's then RAE programming SS poor-fair 27/6 JM
5900	1	1935	BULGARIA: BIBLE3 Voice via Kostinbrod fair in AA 8/6 JM
5975	1	0420	GERMANY: AWR via Nauen fair in Bulgarian to SE Eur. 5/6 JM
6005	1	0700	GERMANY: Radio Belarus via Kall-Krekel poor-fair in German 13/6 JM
6025	2	2221	TIBET: PBS Xizang very good with female ann in Tibetan 7/7 KAB
6040	1	0515	TURKEY: VOT-Emirlar poor-fair in Turkish 23/6 JM
6080	1	1605	IRAN: VOIRI-Zahedan poor-fair in AA 12/6 JM
6130	2	2229	LAOS: Lao National R gd w/male choir & comment in Hmong 7/7 KAB
6130	1	1900	ESWATINI: TWR-Mpangela Ranch poor-fair in Chokwe 13/6 JM
6140	1	0833	AUSTRIA: Studio 52 via Mossbrunn. Good in GG 5/7 DL
6170	7	0509	FINLAND: Scandinavian Weekend R-fair in Finnish with songs & EE id's. 4/7 DL
6180	1	0505	ASCENSION IS: VOA poor-fair in Hausa to W/Af 23/6 JM
6195	1	2135	BOTSWANA: VOA-Moepeng Hill fair in EE 15/6 JM
6195	1	0425	USA: NHK World via Furman poor-fair in SS 23/6 JM
7305	1	1845	OMAN: BBC-A"Seela poor-fair in Amharic 4/6 JM
7315	1	0235	USA: WHRI-Furman exc w/religion in EE. also 0256 gd with EE religion (SDR2-Fenu) and 0329 pr-fr in EE (id at 0300) with singing then female with s/off (Russell SDR). All 8/7 KAB
7335	1	0238	USA: Radio Marti-Greenville exc in SS. Also 0253 fair in SS (SDR2-Fenu) and 0326 poor-fair in SS (Russell SDR) all 8/7 KAB
7345	1	1630	IRAN: VOIRI-Sirjan fair in Armenian to Caucasus 6/6 JM
7360	1	1755	TURKEY: VOT-Emirlar fair with multi language id's 6/6 JM
7360	1	0245	BULGARIA: BBC via Kostinbrod poor-fair in Persian 20/6 JM
7375	2	0352	ROMANIA: RRI-Tiganesti v/gd in EE with "People and Places 0355 exc in EE (Twente SDR) & 0358 fair in EE (Russell SDR) 8/7 KAB
7375	1	0225	ROMANIA: RRI-fair in SS Ilei 9440 (Galbeni) & 9700 (Tiganesti) 20/6JM
7385	1	0230	AUSTRIA: AWR-Moosbrunn poor-fair in Punjabi 5/6 JM
7440	1	1000	GERMANY: Valley FM via Ch292 f/gd w Valley FM's International Hour

with MOR pop music 5/7 DL

7460	1	0515	BOTSWANA: VOA-Moepeng Hill pr-fr in Kinyarwanda 3/6 JM
7485	1	0230	MOLDOVA: BBC-Grigoriopol fair in Persian 6/5 JM
9410	1	1815	UAE: BBC via Dhabbaya fair with World Service in EE 6/6 JM
9440	1	0335	ENGLAND: BBC-Woofferton fair in Hausa 14/6 JM
9500	1	1525	ESWATINI: TWR-Mpangela Ranch pr-fr in Somali to s/off 1530 12/6 JM
9510	1	1100	ROMANIA: AWR Wavescan v/gd in EE with Philippine DX Rpt 19/7 DL
9510	1	2030	FRANCE: Radio Algerienne via Issoudun fair in AA 3/6 JM
9515	1	1800	ESWATINI: TWR-Mpangela Ranch pr-fr in Swahili 12/6 JM
9520	3	0359	CHINA: PBS Nei Menggu-Hohhot on at 0402 FA in CC 3/7 KAB
9555	1	2032	SAUDI ARABIA: BSKSA exc in AA w/gd audio. Also 2035 gd in AA but v/ noisy (SDR-Fenu) & 2036 fair-noise only (Russell SDR) 8/7 KAB
9580	4	0110	SOUTH KOREA: KBS World Radio-Kimjae exc in JJ w/id 7/7 KAB
9620	1	0605	FRANCE: Radio Algerienne via Issoudun fair in AA 12/6 JM
9790	2	2043	FRANCE: RFI-Issoudun gd in FF but v/noisy. Also 2046 v/gd audio (Twente SDR) & 2048 v/gd w/fair audio (Russell SDR) 8/7 KAB
9800	1	1805	ENGLAND: World's Last Chance-Woofferton fair in AA 9/6 JM
9825	1	0510	USA: WHRI-Furman fair in English 20/6 JM
9860	1	0700	ENGLAND: KBS World Radio-Woofferton gd at s/on in KK 7/6 JM
9875	1	2035	TURKEY: VOT-Emirlar fair in EE with music to the Pacific 22/6 JM
9880	1	1945	TURKEY: VOT fair in FF to West Africa 3/6 JM
9885	1	0540	ENGLAND: VOA-Woofferton fair in FF to 0530 s/off 25/6 JM
9900	1	0515	IRAN: IRIB-AI Quds TV via Zahedan fair in AA to 0530 s/off 25/6 JM
9940	1	1935	ESWATINI: TWR-Mpangela Ranch fair in Lingala 3/6 JM
11575	1	1540	KUWAIT: Radio Ashna via Sulaibiyah fair in Dari 12/6 JM
11610	1	1900	ENGLAND: VOA-Woofferton fair in Tigrinya to E/Africa 12/6 JM
11635	1	1845	NORTH KOREA: Voice of Korea-Kujang pr-fr in FF24/6 JM
11640	1	1850	MALI: CRI via Bamako fair in Arabic 12/6 JM
11650	1	0450	MADAGASCAR: R Dabanga fair in AA for Sudan to s/off 0457 20/6 JM
11660	1	0650	ENGLAND: VOA-Woofferton fair in Hausa 17/6 JM
11660	1	1435	CHINA: CRI via Kunming fair in Urdu 15/6 JM
11670	1	0245	CUBA: Radio Havana-Bauto poor-fair in SS 17/6 JM
11675	1	1130	TURKEY: VOT-Emirlar poor-fair in Turkish 17/6 JM
11730	1	0155	SINGAPORE: BBC-Kranji World Service fr in EE llel 12095 10/6 JM
11730	1	0532	FRANCE: NHK World via Issoudun fair w/nx in EE 10/6 JM
11790	1	1845	SRI LANKA: AWR-Trincomalee fair in English 2/6 JM
11800	1	1905	GERMANY: AWR-Nauen fair in AA to N/Africa 24/6 JM
11810	1	1950	ASCENSION IS: BBC-English Bay fair with W/Ser.24/6 JM
11820	1	1535	ESWATINI: TWR-Mpangela Ranch fr in AA s/off 1545 18/6 JM
11825	2	0414	MADAGASCAR: MWV African Pathways R fr in EE also 0419 good (Twente SDR) & 0423 good (Russell SDR) 8/7 KAB
11850	1	1930	ROMANIA: RRI-Tiganesti fair in Spanish 24/6 JM
11850	1	0635	FRANCE: RDW-Issoudun fair in Hausa llel 15215 pr-fr 25/6 JM
11870	1	1945	BOTSWANA: VOA-fair in Kinyarwanda-Kirundi to E Africa 24/6 JM
11880	2	2056	AUSTRIA: AWR gd signal but very noisy-no audio. Also 2057 v/gd in FF (Twente SDR) & 2058 strong signal choir, id, off 2059 UTC 8/7 KAB
11940	2	2050	SPAIN; REE-Noblejas strong sig-noisy-no audio also 2053 v/gd in SS (Twente SDR) & 2055 v/g in SS but w/fr audio (Russell SDR) 8/7 KAB
11955	1	1915	AUSTRIA: AWR-Moosbrunn fair in Arabic 15/6 JM
11970	1	0200	N.MARIANA IS: RFA-Tinian EE d at s/on then in Tibetanfair 1/6 JM

11970	1	0410	UZBEKISTAN: NHK World-Tashkent fair in Persian 17/6 JM
11970	1	0430	FRANCE: NHK World-Issoudun fair in EE w/newline 7/6 JM
12015	1	1840	NORTH KOREA: Voice of Korea-Kujang fair in German 13/6 JM
12050	1	0645	ENGLAND: Radio Ndarason-Woofferton fair in Kanuri 17/6 JM
12070	1	1830	KUWAIT: VOA-Sulaibayah fair in Amharic 13/6 JM
12070	1	0505	VATICAN STATE: VOA via SMG fair in Hausa 17/6 JM
12095	1	1958	ASCENSIOIN IS: BBC WS, exc (S9+20), 18/7 KAB
12120	1	1820	PHILIPPINES: Radio Pilipinas-Tinang fair in Tagalog 13/6 JM
13590	1	0630	IRAN: VOIRI-Zahedan poor-fair in Arabic 12/6 JM
13630	1	2050	MALI: CRI via Bamako fair in English 22/6 JM
13635	1	0710	TURKEY: VOT-Emirlar fair in Turkish to Europe 12/6 JM
13650	1	2050	ROMANIA: RRI fair in EE to N/America 22/6 JM
13680	1	1445	FRANCE: NHK World-Issoudun fair in Persian 10/6 JM
15130	1	1300	PHILIPPINES: VOA-Tinang poor-fair w/nx in EE 20/6 JM
15150	1	1500	MADAGASCAR: Radio Tamazuj fair in AA for Sudan 17/6 JM
15160	1	1230	ROMANIA: RRI-Tiganesti fair in Chines to FE 20/6 JM
15205	1	1240	UZBEKISTAN: Pan American B'casting fair in JJ to 1300 s/off 20/6 JM
15215	1	1805	FRANCE: RDW-Issoudun poor-fair in Hausa 13/6 JM
15220	1	0830	GERMANY: AWR via Nauen fair in Tachelhit 14/6 JM
15255	1	1345	UZBEKISTAN: AWR via Tashkent fair in Kok Borok 15/6 JM
15260	1	0805	AUSTRIA: IBRA Radio Sama via Moosbrunn fair in AA 4/6 JM
15370	1	1135	ROMANIA: RRI- NF fair in EE with mailbag prog 20/6 JM
15400	1	1505	FRANCE: Radio Tamazuj-Issoudun fair in AA for Sudan 17/6 JM
15410	1	1605	FRANCE: Eye Radio-Issoudun pr-fr in AA with some EE 18/6 JM
15420	1	1855	MADAGASCAR: R Itahuka fair in Kinyarwanda to close at 1800 6/6 JM
15476u	5	1359	ANTARCTICA: LRA36 RN Arcangel San Gabriel. Fair at1359 s/son with SS song Signal gradually improved to be f/gd with several id's heard thru till tune out at1515 UTC. 11/7 DL
15690	1	0550	GERMANY: Radio Farda via Biblis pr-fr in Persian 5/6 JM
15730	1	1115	BOTSWANA: VOA fair in FF to Af 20/6 JM
17530	1	1545	BOTSWANA: VOA fair in EE 8/6 JM
17615	1	1530	SAUDI ARABIA: BSKSA-Riyadh fair in AA w/Holy Koran 9/6 JM
17630	1	1515	MALI: CRI via Bamako fair in English 12/6 JM
17820	1	1115	MADAGASCAR: NHK World-Talata Volonondry pr-fr in II 17/6 JM
17850	1	0925	FRANCE: RFI-Issoudun fair in French for Africa 4/6 JM
17850	1	1000	THAILAND: Radio Thailand-Udon Thani fair in Thai 4/6 JM
17880	1	0845	THAILAND: Radio Liberty-Udon Thani fair in Dari 12/6 JM

SDR's used: **1** = Twente SDR at Enschede, Eastern Netherlands using Mini Whip based on PAORDT desig; **2** = Kiwi SDR Fenu-Radio Switzerland using Datong AD370 Active dipole 6m above ground; **3** = Blaf SDR at Blafjoll, west coast of Iceland, 30m inverted V antenna; **4** = JA0VEU: Japanese SDR, Using Mag Loop; **5** = Kiwi SDR at Pardinho, Brazil using G5RV antenna; **6** = Kiwi SDR at Freemans Reach, NSW, Australia using an active loop antenna ALA1503S + Imperium; **7** = Kiwi SDR at LA7XKat Spjaeroy Island, Hvaler, Norway using a longwire antenna; **8** = Kiwi SDR at Kuopio, Finland using a Bonito Megaloop FX antenna.

Contributors to Bandwatch: **JM** = John Mainland, Karori, Wellington; **KAB** = Ken Baird, Wainuiomata and **DL** = Dene Lynneberg, Pukerua Bay

Well that wraps up the SDR pages for another month. I look forward to your contributions for next month's issue. Till then good Dx.

TV/FM NEWS & DX

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Hi and welcome to the August instalment. The mid-winter doldrums continue. The only activity on FM I've noticed has been the usual from Ashburton being Hokonui on 92.5 and RNZ National 101.3. On a good day Brian FM 99.7 Ashburton gives RNZ Concert Sumner a beating on 99.7.

Judging by comments from members in the Skywaves Yahoo Group DX conditions in the Northern Hemisphere have been fickle to say the least. There have been some good moments but in the main things have been quite quiet. In fact, in Europe the situation has been similar to how things were last summer here.

105.7 FM WILL BE THE NEW HOME FOR COAST IN
CANTERBURY

From Monday August 3rd you'll be able to hear Coast across Cant...

David Kaio checks in with a pending change in Christchurch. It looks as though C105.7 is on its way out to be replaced by Coast who are currently on 1593 and 90.1. Opening date is Monday 3rd August. David adds that there is nothing to indicate the future of Coast's existing Christchurch frequencies. David also enlightens us on the legality of the 105.7 frequency. It is currently registered to Pulzar Broadcasting Company Ltd and is subject to a Transitional FM Spectrum Licence Agreement between the Crown and the licensee. The legalise attached to the agreement means that the licence cannot be sold, transferred or other conditions altered without the permission of Ministry of Business, Innovation and Employment. The current licence is paid up to August 2020. 105.7 is currently registered as being at Huntsbury Hill which is to the left of Sugarloaf. Marley's Hill the other transmitting site is to the right. If you're interested in setting up your own station David shares the following via Radio Spectrum Management which details available frequencies:

Freq	TX_Location	Area	Place	Reserve (incl GST)
91.2	PUKEURI	Waitaki	Pukeuri	\$1,150
100.7	HILLTOP	Banks Peninsula	Akaroa	\$1,150
104.0	RICHARDSON RD	Southland	Gore	\$6,558
104.9	MT STUART	Otago South	Balclutha	\$3,807
105.3	LYTTELTON	Canterbury	Lyttelton	\$2,851

The following is thanks to SWLing.com

What is Lightning Scatter DX?

by Bruce Atchison (VE6XTC)

Believe it or not, it's possible to receive distant FM stations during a thunderstorm. While lightning makes it difficult to hear AM and shortwave broadcasts, its crackles aren't as evident on the 88 MHz to 108 MHz band.

When lightning strikes, it temporarily ionizes the air around it. Radio signals are reflected by the charged gasses and come back down to earth.

From my experience with this kind of DX, the signal became noticeably stronger during lightning strikes. This effect lasted for a second, then the signal level dropped to its former strength.

While a thunderstorm raged overhead on July 7th, I used my CC Skywave SSB radio to check out the FM band. Instead of hearing E-skip as I had hoped, I found that tropo-like conditions reflected stations down to my home. I heard signals from a hundred miles away or further.

As just one example, I found a low-power station with the call letters CKSS on 88.1MHz. They call themselves 88.1 The One. Find out more about this station at the <http://www.881theone.ca/> link. It's located in the town of Stony Plain, Alberta. This station plays country music and airs local news events.

At a guess, I'd say the transmitter is about 120 miles from my QTH in Radway. It normally doesn't come in at all. The signal strength varied too, showing that it wasn't a local.

In my instance of catching CKSS's signal, a form of tropo ducting was also present. Rain can produce reflections of signals but it's much more pronounced in the UHF and microwave bands.

When a thunderstorm is ruining AM and shortwave reception, try DXing the FM band. You'll be surprised at what occasionally comes in.

To see a demonstration of lightning scatter on amateur TV, watch the following video: https://www.youtube.com/watch?time_continue=155&v=l-Nx96Xdfk&feature=emb_logo

The foregoing is not without risk of course and one should exercise care.

Meteor Scatter

A safer form of DX is via meteor scatter, ionised particles given off by meteors that burn up in the atmosphere about 100km up. Distances of around 2000km can be covered. The lower VHF frequencies are more likely to produce results but DX is also possible on the FM band. A comprehensive discussion on meteor scatter from the Canberra Region Amateur Radio Club can be found here <https://www.crarc.ampr.org/uploads/Main/Presentations/Meteor%20Scatter%20MB.pdf>

Analogue FM radio safe for 10 more years:

Meanwhile, in the UK the future of analogue FM radio is secure for another 10 years, under the latest UK Government's broadcasting plan OFCOM will be permitted to renew analogue licences provided the station also provides a digital option. According to the UK's Department for Digital, Culture, Media and Sport (DCMS) nearly 60% of listening is via digital. (www.independent.co.uk)

RadCom Basics

RadCom Basics is a bi-monthly digital publication produced by the Radio Society of Great Britain that explores key aspects of amateur radio in a straightforward and accessible way. This month they offer a free edition that can be downloaded from here <https://rsgb.org/main/publications-archives/radcom-basics/> although the publication is designed for the radio amateur the article on Sporadic E skip would be of interest to TV&FM DXers.

Plains FM 96.9 is Christchurch's access radio station. For the past three years I have been helping to produce a monthly programme SkillWise on air. The format is a magazine style and the topics are varied. Recently we've done programmes on computing, tips for surviving winter also a Valentine's Day special. SkillWise is an organisation that works with people with a mild to moderate intellectual disability, information here www.skillwise.org.nz. The programme is broadcast at midday on the last Thursday of the month and podcasts are available via the Plains FM website www.plainsfm.org.nz

Well that would appear to be that, stay safe, be kind and take care.

UTILITIES

Editor

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We had six nights over on the West Coast at a place called Charleston and I was able to erect a EWE antenna. The only new logging for me was hearing Colombo ATC one morning. Welcome back to Rodger who has had some health issues in recent times. We hope you are on the way to a full recovery. Our Treasurer must be catching the Utility bug as he reports in with another utility logging this month. Take care and stay safe. Arthur

FREQ UTC DETAILS OF TRANSMISSION

- 3261 2030 NEW ZEALAND Weather forecast plus mountain weather forecasts. showers north of Arthurs Pass good 18/7 AD
- 5450 1946 ENGLAND RAF volmet aero weather reports fair 5/07 ABD++
- 5505 1949 IRELAND Shannon volmet aero 1950 ID woman "This is Shannon volmet" fair 5/07 ABD++
- 5670 2027 Colombo calling 455 several times fair 14/4 AD
- 6215 1841 TONGA A3A Nukualofa Maritime Radio w/exchange with vessel including comprehensive weather info in EE, good 19/7 BC
- 6230 2005 AUSTRALIA VMC sea weather forecasts and gale warnings good 5/07 ABD++
- 6230 1945 AUSTRALIA VMW Coastal weather for Northern Territory 1952 UTC "End of transmission from VMW" good 17/7 AD
- 6507 0845 AUSTRALIA VMC coastal waters weather and sea conditions good 5/07 ABD++
- 6676 1953 SINGAPORE volmet male aero weather noisy some fading s/off 1954 UTC ABD++
- 6676 2050 SINGAPORE volmet male with aero weather fair but weak 2054 s/off "Singapore Radio out" 16/7 AD
- 6676 0801 AUSTRALIAN Volmet aero weather reports fair 18/7 AD
- 6676 0910 THAILAND Bangkok volmet male with aero weather faint 19/7 AD
- 6754 0917 CANADA Trenton male with aviation weather Toronto 19/7 fair AD
- 6765.1 1955 THAILAND Women in Thai with weather. This frequency better than 8743 at this time good 16/7 AD
- 8176 1945 AUSTRALIA VMC coastal waters weather and sea conditions good ABD** 2/07
- 8176 0744 AUSTRALIA VMC Male with wind warning Forecast for Sunday fades 0750 coastal waters forecast 18/7 AD
- 8743 1950 THAILAND Bangkok Male announcer gave ID and broadcast frequencies. Then "Broadcast message for shipping" 16/7 good AD
- 8764 1003 USA USCG Male with sea conditions, splash from adjacent frequency poor 6/07 ABD**
- 8764 0931 USA USGC male with sea conditions fair AD
- 8843 0755 USA San Francisco working UOL... fair 15/7 AD
- 8867 2335 FIJI Nadi working Aussie 563, Nadi negative selcal good 5/07 ABD**
- 8867 2230 VHJL7 calls Auckland, nil reply 28/7 RP

8957 1931 IRELAND Shannon volmet aero weather reports, noisy fair 5/07 ABD**
 8992 1948 UNID Male " Bravo, whiskey, Mike sign off 1950 good 9/07 ABD**
 10051 0922 CANADA Gander volmet Toronto weather fair 19/7 AD

Contributors

BC Bryan Clark, Mangawhai WinRadio G33DDC Excalibur Pro SDR and AOR7030+ EWEs to Nth, Cent and Sth America.
RP Roger Pryde, Dunedin FRG7700 Receiver with a 20m ww11 vintage S/ East.
AD Arthur De Maine, Charleston Elad FDM-S2 SDR, 3m EWE pointing S to SW.
ABD** Arthur De Maine, Ashburton League's Northland SDR
ABD++ Arthur De Maine, Ashburton League's Opuake SDR



Colombo Airport



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This one is "Scandinavian Club QSLs – Group 9." -- And in "Specialized Resources/The DX Recordings of Colin Miller," we have posted a recording of Radio Peking (when it was still called that). Tnx, Colin.

<www.ontheshortwaves.com> Update, July 26, 2020 -- Long ago we posted a file called "The Sounds of Hawaii on Shortwave" under "DX History/Stations," telling the story of the "Hawaii Calls" and "Sounds of Aloha" programs that were transmitted from Hawaii and enjoyed by (mostly) broadcast band listeners. The file can be found at <http://www.ontheshortwaves.com/Stations/The_Sounds_of_Hawaii_on_Shortwave.pdf> Now, under "Specialized Resources/Radio Postcards," we have posted a file of postcards about "Hawaii Calls." The first one is a souvenir card from the program itself, with a penciled-in date of 1939, four years after the program started. The rest are views of the part of the Moana Hotel where the program was staged. At the end of the file are two postcard views of the transmission towers at a long ago Pearl Harbor.





On the shortwaves.com

From NZRDXL member Jerry Berg, 38 Eastern Avenue, Lexington, MA 02421, USA
NEW HISTORY MATERIAL AT <http://www.ontheshortwaves.com>

<www.ontheshortwaves.com> Update, June 28, 2020 -- Under "DX History/Stations," we have posted a nice-looking item from AFRTS station KCMB, 1520 kHz., in Subic Bay, the Philippines, 1954-55. It has pictures of the personnel, and a photo of the control desk. It looks like this may have been originally a printed poster, of which someone took a glossy photo (8" x 8-3/4"). And there are two program schedules, one from November-December 1954, the other from July 1955. The station started showing up in the World Radio Handbook in 1956. -- And under "Specialized Resources/The DX Recordings of Colin Miller," we have posted a recording of the Burma Broadcasting Service made during the month of December sometime in the 1970s. The English ID is at :29. Thanks, Colin.

<www.ontheshortwaves.com> Update, July 5, 2020 -- Anyone remember the days when shortwave stations were actually interested in helping their listeners get the most out of their equipment? Under "DX History/Equipment & Advertising," we have posted two antenna brochures from those days, one called "Give Your Antenna Some Air," from Radio Nederland, believed from 1959 or later; and "Aerials for Short-Wave Reception," from the BBC, 1967. -- And under "Specialized Resources/Wavescan," Adrian Peterson favors us with three new entries: (1) "Another Look at the Shortwave Scene in Paraguay, South America" (Wavescan N591, June 21, 2020); (2) "The Radio Story: Quarantined on a Lonely Island—Socotra, the Island of Strange Trees" (Wavescan N592, June 28, 2020); and (3) "The Radio Story: Quarantined on a Lonely Island—Gough, the Island of Super Mice" (Wavescan N592, June 28, 2020).

<www.ontheshortwaves.com> Update, July 12, 2020 -- Under "DX History/QSLs & Other Station Memorabilia," we have posted a file, Trinkets-XII, containing items from stations in the U.S. or U.S.-related (plus a couple of others from radio companies and the Saturday Evening Post). They are: (1) a medal of a Norman Rockwell cover from the May 20, 1922 issue of the Saturday Evening Post; (2) a pin from the Pilot Radio and Tube Corp.; (3) an E. H. Scott Radio Laboratories Award of Merit pin, showing the Scott "Stradivarius of Radio" violin; (4) a visitor pin from KFNF, Shenandoah, Iowa; (5) a WMAQ (Chicago) Topsy Turvy Time Club "Tell the Truth" pin; (6) an Army Broadcasting Service pin; (7) an American Forces Korea Network pin; (8) a medal for Radio of Free Asia, a mid-1960s relative of today's Radio Free Asia (see Adrian Peterson's Wavescan N193, November 4, 2012); (9) a pin from the modern-day Radio Free Asia (Winter Olympics 2006); and (10) a medal from Treasure Island, 1939 World's Fair, San Francisco, home of W6XBE (later KGEI). -- And from Adrian Peterson, in "Specialized Resources/Wavescan," we offer "Two or Three Clandestine Radio Stations in Vanuatu" (Wavescan N593, July 12, 2020).

<www.ontheshortwaves.com> Update, July 19, 2020 -- This time, under "CPRV/The CPRV Gallery," we have posted another file of Scandinavian club QSLs.

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