

	<h1>New Zealand DX Times</h1> <p>Monthly Journal of the New Zealand Radio DX League (est 1948) February 2018 Volume 70 No. 5</p> <p>http://www.radiodx.com</p> 	
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Hello and Welcome to the February edition of the DX Times.
Our convention fast approaches and if you haven't made your desire to attend known to Bryan Clark, please do so very urgently - his email address appears on page 3.

I have attended only a handful of conventions over the years, but I can testify to the experience. You meet fantastic people and can, on occasion, hear wonderful things. There will be the added bonus this year of our guest speaker, Denis (Doc) O'Callahan, Chief Technician on Radio Hauraki's ship, Tiri - 1966 to 1968.

I would urge all members to make the effort to attend. It will be a fantastic weekend of DX and camaraderie.

From The President: Welcome to new members - we have two new members **Mike Jackson** of Palmerston North we hope you enjoy what the League has to offer in the radio hobby.

We also welcome **Svenn Martinsen** from Norway. Svenn has been DXing since 1964 and is also known in radio circles as the Chief Editor/Broadcasting Coordinator for Radio Northern Star/VFG Northern Lights which operates on AM 1611 and SW 5895.

The amazing summer of FM continues - members all over the country have been talking about their FM reception. To my mind the prize goes to Paul Ormandy, who sent me a recording of Nouvelle-Calédonie 1ère (Première) from Lifou on the Loyalty Islands to the north east of New Caledonia. The recording was perfectly clear and very French - I had no trouble understanding what was being said, such was the quality. The distance between there and Oamaru is 2706 km, as the crow flies, although I doubt a crow could fly that far! It was remarkable reception and after crafting a letter for Paul in French, a QSL by email was duly received from Christophe Parfait, Director of Radio Services. Congratulations to Paul and to all of you who have had such a fantastic summer of FM.



Deadline for next issue is Wed 28th February 2018. P.O. Box 178, Mangawhai 0540

**CLOSING DATES FOR THE NEXT
3 MONTHS 2018**

March **Wednesday 28th February**
April **Wednesday 28th March**
May **Wednesday, 25th April**

**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.**



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Tune in with the DX League's SDR:

<http://sdr1.radiodx.com:8073>

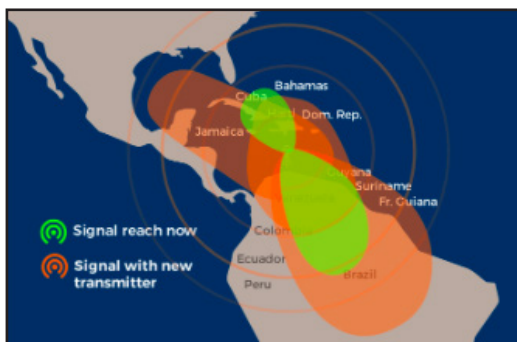
<http://sdr2.radiodx.com:8073>

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

TWR Bonaire has a new transmitter

Many of us have verified TWR in Bonaire, Netherlands Antilles. It is on 800 kHz and used to be a regular down under. I suspect the station on 801 kHz (Rhema, Nelson) now makes it very difficult to hear. However, that may soon change. I received this from TWR recently.

On the little Caribbean island of Bonaire, an enthusiastic crowd of more than 100 people is expected to gather this afternoon (30 Jan) to dedicate TWR's powerful new transmitter. And when we say powerful, that's not just hyperbole. At 450,000 watts, the new AM transmitter's broadcast signal not only will be nine times as strong as the most powerful stations in the United States but also will be the most powerful station in the Western Hemisphere.



That's a tremendous instrument for touching the lives of millions more of people in Latin America and the Caribbean with the gospel! And it was made possible through committed ministry supporters like you. Many prayed for or gave financially to the four-year Power Up campaign, while some actually traveled to Bonaire and volunteered their labor for the massive overhaul of the station.

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.

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Contact Treasurer for more details.

For localmembers you can make payment to -

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Make sure your name is included

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70 YEARS AGO

We continue our look back 70 years ago to the foundations of the NZ Radio DX League, with some highlights from the February 1948 edition of 'DX Bulletin (NZ) – forerunner of the 'NZ DX Times': The front page editorial includes the comment “we would like to state that our subscribers will not be disappointed in our future efforts. Circumstances over which we have no control make it necessary for us to carry on along present lines for the next 6 months. The “circumstances” will then no longer exist and plans are already under discussion to introduce features that will make this “good dx magazine” overwhelmingly the “best dx magazine”.

One of the front page headlines is 'New Station in Samoa'. ZM2AP (1420) signs off at 8p.m. Saturdays. The announcer gives the call as “2AP” and program between 7.45 and 8p.m. is of popular dance recordings. Station closes after a goodnight melody at 9p.m. Samoan time (8p.m. NZT). Address is Radio Broadcast Station ZM2AP, Mulinunu, Apia, Samoa.

DOMINION OF NEW ZEALAND [N.B.S.—38b.]
NATIONAL BROADCASTING SERVICE
Station ZAP APiA
To a J allan
Your report of reception of this Station's transmission on Fri. 13/2/48 has been checked with the Station Log for the date mentioned.
Your report is duly verified herewith.
~~Your report does not contain sufficient detail to permit of verification.~~
[Signature] Station Manager.
[3228—45]

There are also details of DX tests later in the month from KLOU Lake Charles Louisiana on 1580 and WUNS Proctorville Ohio on 1560, but Lloyd Clayden of Matakana laments that the summer “must be one of the poorest [medium wave DX seasons] on record and it has only been the number of new stations which has kept up DX interest.”

Headlining the 3 pages of shortwave news and DX reporting is Arthur Cushen's verification from Radio Batavia. The station YDD2 on 4865 verified with an airmail letter from P.R. Hill of the English Section which stated that ‘plans are underway for extensive alterations to the short wave broadcasts’. Radio France, Hanoi, Indo-China was being well received at 1.00am on 6045 after Kuala Lumpur moved frequency to 6050. Ron Gray submitted details of his QSL from XDA 14525 in Mexico City. The station uses 2 20kw transmitters for news broadcasts, and 2 2kw transmitters for special broadcasts to Buenos Aires. Bill Milne notes that Forces Broadcasting Service Jerusalem had closed operations on 7220 in January owing to British withdrawal from Palestine.

The Netherland Indies Broadcasting Company, Ltd.
N. I. R. O. M.
B A T A V I A
This is to certify that the reception report of Mr. Jack P. Fox, 15 Dunes Road, St. Helier, Jersey, dated 27. 6. 1947, and received at Batavia, 20. 6. 1947 gives correct details about the N. I. R. O. M. program. The transmitter concerned is YDD2 at 4865 kc on 19.40 m.

The Russell SDR

My membership of the DX League goes back 45 years, granted not as long as some of you. In those intervening years we have seen people and places of historical importance to our club come and go. We now add to that list an object, or rather two objects. These are two appropriately named Kiwi SDRs based with Peter Mott in Russell.

Towards the end of 2016, Peter Mott put online a Kiwi SDR remote receiver for the use of DXers. It was coupled to his due north facing 12 metre Delta Loop. The size is actually 6.71 m high by 8.54 m long, but is up 12m in the air. Almost immediately DXers seized on it and commented on how wonderful it was to have such a facility. For those of us who live in a noisy urban environment, the chance to listen to relatively noise free DX is wonderful.

In those early days at work in the afternoons (8pm NZ time) I logged on and had a listen. I managed to log and verify Alcaraván Rádio on 5910 as well as KICY in Nome Alaska on 850. I had never heard an Alaskan before. Others have stories better than mine. The point is this has opened up DXing to a level nobody would have thought possible 18 months ago.

League Patron and Life Member Sutton Burtenshaw in an email to Peter recently said: 'The SDR and its location, broadcast band-wise anyway, is perhaps the best thing that has happened for the League in many years.' I believe it would rank alongside the Tiwai house and Waianakarua as the most important innovations in New Zealand DXing.

I have been doing a survey of who has been hearing what on the broadcast band and the result is in the table below. This does not include what has been heard on LW or on SW.

Plans are to eventually have a SE facing aerial – who knows what we will hear in the Latin season!

Great thanks must go to Peter for the hard work he has put in to making this a reality, and also to Adcom for deciding to subsidise the cost of the internet so that this service may be enjoyed by all.

Russell SDR Trail

558	FIJI, R Fiji 1	680	USA, KNBR, San Francisco, CA
567	JAPAN, JOIK, Sapporo	690	HAWAII, KHNR, Honolulu, HI
567	GUAM, KGUM	710	USA, KIRO, Seattle, WA
570	USA, KVI, Seattle, WA	720	USA, WGN, Chicago, IL
570	USA, KLAC, Los Angeles, CA	720	USA, KDWN, Las Vegas, NV
580	USA, KMJ, Fresno, CA	750	ALASKA, KFQD, Anchorage, AK
590	HAWAII, KSSK, Honolulu, HI	770	USA, KCBC, Manteca, CA
640	USA, KFI, Los Angeles, CA	780	USA, KKO, Reno, NV
650	ALASKA, KENI, Anchorage, AK	780	ALASKA, KNOM, Nome, AK
650	CANADA, CISL, Vancouver, BC	780	USA, WBBM, Chicago, IL
650	HAWAII, KPRP, Honolulu, HI	783	CHINA, Voice of the Strait
660	USA, KTNN, Window Rock, AZ	830	HAWAII, KHVH, Honolulu, HI
660	CANADA, CFFR, Calgary, AB	846	KIRIBATI, R Kiribati (Christmas Is)
666	AUSTRALIA, 4CC Biloela relay of Gladstone	//1440	
670	USA, WSCR, Chicago, IL	850	ALASKA, KICY, Nome, AK
670	HAWAII, KPUA, Hilo, HI	860	USA, KTRB, San Francisco, CA

- 860 USA, KPAM, Troutdale, OR
- 860 USA, KTRB, Orange, CA
- 860 MEXICO, XEMO, Tijuana
- 880 HAWAII, KHCM, Honolulu, HI
- 880 USA, KRVN, Lexington, NE
- 880 USA, KIXI, Mercer Is – Seattle, WA
- 890 USA, WLS, Chicago IL
- 890 ALASKA, KBBI, Homer, AK
- 910 USA, KKSF, Oakland, CA
- 910 USA, KECR, El Cajon, CA
- 920 CANADA, CFRY, Portage la Prairie, MB
- 930 CANADA, CJCA, Edmonton, AB
- 940 USA, KFIG, Fresno, CA
- 940 HAWAII, KKNE, Waipahu, HI
- 950 USA, KJR, Seattle, WA
- 960 CANADA, CFAC, Calgary, AB
- 960 USA, KNEW, Oakland, CA
- 990 FIJI, Gold FM, Suva
- 1000 KOMO, Seattle, WA
- 1010 CANADA, CBR, Calgary, AB
- 1017 TONGA, A3Z
- 1040 USA, KLHT, Honolulu, HI
- 1050 USA, KTCT, San Mateo, CA
- 1060 CANADA, CKMX, Calgary, AB
- 1090 USA, KFNQ, Seattle, WA
- 1098 MARSHALL IS, V7AB
- 1110 HAWAII, KAIO, Kihei, HI
- 1110 USA, KFAB, Omaha, NE
- 1120 USA, KMOX, St Louis, MO
- 1120 USA, KPNW, Eugene, OR
- 1140 CANADA, CHRB, High River, AB
- 1140 USA, KHTK, Sacramento, CA
- 1150 USA, Unid Fox R. possibly KEIB, LA, CA
- 1160 USA, KSL, Salt Lake City, UT
- 1170 STH KOREA, HLSR
- 1170 ALASKA, KJNP, North Pole, AK
- 1170 USA, KLOK, San Jose, CA
- 1200 CANADA, CJRJ, Vancouver, BC
- 1210 HAWAII, KZOO, Honolulu, HI
- 1240 HAWAII, KEWE, Kahului, HI
- 1260 JAPAN, JOIR, Sendai
- 1270 USA, KNDI, Honolulu, HI
- 1310 USA, KMKY, Oakland, CA
- 1320 USA, Unid - possibly KWHN?
- 1370 USA, KUPA, Pearl City, HI
- 1410 CANADA, CFTE, Vancouver, BC
- 1420 HAWAII, KKEA, Honolulu, HI
- 1431 UKRAINE, R Ukraine International
- 1440 KIRIBATI, R Kiribati (Tarawa) // 846
- 1500 HAWAII, KHKA, Honolulu, HI
- 1540 HAWAII, KREA, Honolulu, HI
- 1566 NORFOLK IS, VL2NI
- 1570 HAWAII, KUAU, Haiku, HI
- 1640 USA, KDIA, Vallejo, CA
- 1650 USA, KBJD, Denver, CO
- 1670 USA, KHPY, Moreno Valley, CA
- 1690 USA, KDMT, Denver, CO
- 1700 MEXICO, XEPE, Tecate



Two shots of the antenna - as Peter says it is not easy to photograph an aerial!

MAILBAG

Editor

Theo Donnelly

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The first order of business this month is to acknowledge a glaring omission from January's column, and to apologise to our President for ignoring his contribution... no excuse. I'm the one doing the glaring, incidentally.

Arthur De Maine, Ashburton had sent this along for the New Year's issue. "I recently received my first Utility station QSL for an e-mail report and sound file to Bangkok Meteorological Department for reception of their transmission on 8743 kHz -- QSL card from Bangkok Radio and a letter from the Director of Telecommunication and information Technology Bureau received by mail. Reception of 8743 was heard from home. Also received a e-mail verification KMJ 580 kHz California for reception via the League's SDR. Not much listening done at present as I'm now involved with scanning slides for NZRLS Archives." Then in time for February's news, Arthur added: "Earlier last month did some listening on the League's SDR and logged KSSK 590 and KHTK 1140. A snail mail report to KSSK and an e-mail report with a sound file to KHTK. Received an e-mail from Jason Ross from Sports 1140 KHTK confirming my reception. A three-day stay in Kaikōura resulted in some DX reporting for Mr Clark. Now back to railway slide scanning." *(For those not familiar with the initials, that's the NZ Railway and Locomotive Society. As some know, anything that runs on parallel steel – or is powered by parallel wires -- grabs my interest too.)*

Rob Shepherd in Toowoomba, Queensland had his memory jolted enough by my Zanzibar mention last month to recall visiting Dole. "As a new member of the League, I thought I should introduce myself. I live in Toowoomba, one of Queensland's regional cities about 130km due west of the state's capital of Brisbane. I first discovered the intriguing hobby of SWL/DX as a 16-year-old teenager in Melbourne in 1966. My first awareness of shortwave radio was a high school assembly where a visiting clergyman spoke at some length about a religious broadcaster (HCJB) in Ecuador. I was hooked about the radio aspect of his address and spoke with him after assembly to discover more details. After a period of tuning our home MW radio and hearing interstate stations, I saw an advertisement for a radio club in 'Electronics Australia'. I subsequently joined the Victorian Branch of the NZRDXL (wouldn't that have been the NZDXRA? TD) and received its magazine the 'Victorian DX Listener'. Through its Sydney headquarters, I also joined the Australian Radio DX Club (ARDXC) in 1966. My main interest was 60 and 90m band African and Latin American stations, so I reported and verified many of these. I ceased reporting radio stations several decades ago and my SW tallies are 212 countries verified (including some now deleted countries), 1255 QSLs and 480 stations. I have however received a QSL card for NQ Radio, 4KZ on 5055 kHz 500 Watts for a December email report. The verification signer is station manager Al Kirton. Referring back to the January 'Times' I thoroughly enjoyed reading about Theo's western Indian Ocean cruise which sounded terrific. It brought back memories of my travels in Kenya and Tanzania, plus Dole, Zanzibar in 1978, and much later my wife and I cruising from Cape Town to Brisbane (via Port Louis, Perth and Sydney in 2016) and Cape Town to Brisbane in

2014. Both these cruises were tourist-oriented rather than DXpeditions. I did however take my Degen DE1121 portable radio. Back to East Africa, a UK pal and I teamed up in Dar es Salaam to travel together in Kenya, Tanzania and Uganda. In Dole, Zanzibar, we did all our sightseeing from a taxi (very cost effective). The odd point was that we were stunned by the price of hotel accommodation, so slept under a city bridge for several evenings! Recently I've been hearing Angola 4949.7 kHz at grey line (first time ever in SE Qld in 25 years!) plus R. Tanzania Zanzibar on 11735 kHz. The main receiver I use for DXing these days is a JRC NRD535-D connected to balanced 80' long wire, plus a balanced EWE oriented NE-SW for medium wave. I also own a Yaesu FRG-7700 and a Marconi CR-100 (B28) receiver." *(Rob, thanks. You echo a lot of us with 'did listen, did report, but no longer'. You also bring up Down Under DX club history, the days in the mid-60's when Sydney had a branch of the League, and the NZ DX Radio Association I believe had the Melbourne outpost. Sydney's ended up being the foundation of what is now the ARDXC, as I understand it.)*

Stu Forsyth from Cyberjaya, Malaysia, at least I believe he's back there again, though an airline or two will be making a profit when he attends the convention in Mangawhai in April. "Not a lot of listening was done when in NZ - no time for it with all the unpacking etc. I did put up my Steven Greenyer-designed portable 3m EWE pointing roughly NNE and I was able to hear Yanks on it. Of course the night Mr Clark came to dinner we were able to hear very little with noise dominating. The night after that was fine. It is a bit like conventions - the best reception is the night after it ends! At Easter, the big challenge will be erecting a Latin ESE EWE as the section slopes down sharply in that direction. However, I have a cunning plan. I will also erect a 4 or 5m EWE on a more permanent basis pointing more or less NNE (best angle available). That will be much easier as that part of the section is flat. A little listening has been done with loggings of Bangladesh 693, AIR via Delhi (Khampur) 15770, AIR via Bengaluru 7550 and 15030, TWR Swaziland 15105, RTI 9405, Romania 7345, CRI 1080 (from home). KSL 1160, KHTK 1140, KLOK 1170 and WSCR 670 (all on the League SDR). Verie in from KLOK 1170 – the signer is Huy Nguyen --<huy@klokmedia.com> - Station Manager and Chief Financial Officer. The email was sent to <info@klokmedia.com>. A verie has come in for RRI Pro Satu Tanjung Pinang 1341 via Facebook Messenger. It's a new country and the Indonesian drought has been finally broken! Also in is 4KZ 5055 logged in NZ, CRI 1080 and KHNR 690 via Facebook Messenger. On my set up at home there is no sign of 4KZ on 5055. Timm Breyel, a local DXer, reports hearing it one night and has sent a report away. He is a luckier man than I!" *(Congratulations on RRI Tanjung Pinang. You must have a long holiday break; isn't the convention the weekend following Easter? Baldrick might be of help with any cunning plan.)*

Ian Cattermole, Blenheim continues on his revival roll. "Here are my SW veries received during January: AWR Moosbrunn 11995, 9445, & 9840; KTWR 7500; R. Biafra Int. via WRMI 11530; WEWN 5970; NHK Tashkent 7565; RRI 5990, 7375, & 17650; and WHRI 11825 kHz. There they are for this time. Hard to believe the year's first month is over already? It's a hot steamy day here in Blenheim. 11.00 am and temperature is already 31C with a forecast of 34C so won't be venturing outside too much today. Regards, Ian. PS Your assumption last month was correct. TCH is Tashkent." *(Biafra! I logged Enugu back in the days of the attempted secession, but my aerogramme report came back some time later as 'undeliverable' -- I don't know how far up the mail chain it had gone though the time away was much longer than hanging around waiting for a flight out of Auckland.)*

Douglas Johns, Christchurch is keeping his activities close to home even if the FM band opened for some great DX during the past month. "The issue of Bryan Clark's latest FM list

spurred me on to catching up on some of the local changes here in ChCh, but only a couple of QSLs so far - EMBR 96.1 and Compass 103.7. The latter serves the Hanmer Springs area from Wallace Peak, which overlooks the plains area around Culverden. It was putting in a local strength signal here in Northern Christchurch for a while, and was heard on a hand-held transistor. I read with dismay the acquisition of Port FM by Mediaworks. Port FM was always an excellent verifier. Unfortunately the same CANNOT be said for many of the Mediaworks' outlets. For those that want to add Port to their collections my advice would be to be in quick before the change is effected. Otherwise it's a case of trying to keep cool - too many days in the 30s for my liking." (*I agree about heat, though I seem to keep testing my tolerance with travels to tropical places.*)

Bryan Clark, Mangawhai you'll have noted has somehow managed to convince both the President and Chief Editor to address him formally.[It is due to the reverence in which we hold him! Chief Ed] "(I) had a busy DX month with numerous FM DX openings into Australia and the southwest Pacific, some interesting SW logs and QSLs and some sign of improved MW conditions. Last month I mentioned the possibility my DX was being impaired by interference from a neighbour's new security system. He kindly turned it off for a few minutes while I recorded various frequencies to see if there was a change in reception quality but the results were inconclusive. I have since had a few better nights' reception on MW but whatever is causing the increased level of noise on lower frequencies remains a mystery. On shortwave a report has gone out to Radio Marabu via Datteln, Germany 1kW on 6150 and this QSL'ed within 2 days, together with another 1kW German, shortwaveservice.de on 6160. A surprise QSL was received after 2.5 years from English hobby pirate Focus International 6285 with power between 80 and 180 Watts. But 95% of my DX in January was monitoring FM, with a few reports sent out but just one QSL to date from Brian FM, Oamaru on 88.8kHz - they indicated I am definitely the most distant listener this small private network originating in Blenheim has ever heard from." (<dxdialog> made interesting reading with the FM bursts. I see the Aussie DX News mentions Geoff Wolfe catching a Filipino – the reference just says from the eastern states so I don't know where he lives... possibly in Cooma, NSW?)

I have double-checked my list to decide whether I've been naughty or nice this month (sounds like I'm preparing for Santa's good books towards the end of the year) and all contributions seem to be heading for print. Should you ever notice that I've dropped any material, please ask! It's your column – I'm just the messenger. I know John Durham wondered a couple of years ago after two submissions went AWOL with no obvious explanation.
73, Theo



Rob Shepherd's Marconi CR-100 (B28) (up for auction - see latest ADXN magazine)

BANDWATCH UNDER 9MHZ



Editor
Ian Wells
Dunedin

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Welcome to February, and the ongoing long, hot Summer! I think this must be all the good weather we've missed the past few years rolled into one. It might not be the best weather for sitting indoors by the radio, but these loyal contributors have made the effort – and there is a wide selection of quality listening this month.

If you don't get a clear ID, or if there's any doubt about the station, please show the logging as tentative. Please also provide as much information as you can, including the date and the language of the broadcast, while keeping your notes concise.

KHz UTC Country, Station, Programme, & Reception Details

4840	0910	USA, WWCR, poor in EE, religious, 31/12, PP
4850	1706	CHINA Xinjiang People's Station, Urumqi, fair in Kazakh +songs. 17/1. BC.
4885	0905	S.KOREA, V.of Hope, fair/gd in Korean, 30/12, PP
4985	0707	BRAZIL Radio Brasil Central back after short absence, fair w/popular vocals // 11815 also fair 27/1. BCM
5020	1923	SOLOMON ISLANDS SIBC now opening later, carrier & music on abruptly, anncts in EE & Pidgin 1928, theme bamboo pipes and "news from SIBC, The Voice of the Nation" at 1930, fair but fading 26/1. BCM
5045	1604	AUSTRALIA Ozy Radio fair with local advts and music 21/1 BC
5656	1530	UZBEKISTAN. NHK via TCH. fair in Hindi. 3/1. IC
5845	1835	ARMENIA IBC Radio via Yerevan-Gavar EE with pop songs 1/1 BC
5885	1735	NORTHERN MARIANAS R Free Asia EE ID then Korean prgm 13/01 BC
5890	1932	KUWAIT, R.Free Asia, fair in CC, 16/1, PP
5895	1710	TAJIKISTAN BBC Korean Service via Dushanbe strong w/news prgm including Australia Day events, BBC news theme jingles 28/1. Sked here 1530-1830. BCM
5925	0640	FRANCE, RFI, gd in FF, 30/12, PP
5935	0638	USA, WWCR, gd in EE, religious, 30/12, PP
5935	1700	FRANCE RTI Via Issoudun poor in Russian 1/1 IC
5965	1659	TURKEY TRT fair in Azeri 14/1 BDW
5970	0632	USA, WEWN, gd in SS, religious, 30/12, PP
5970	0715	USA WEWN Catholic Radio, Birmingham, SS with music 14/1 BC
5970	0805	USA WEWN VG in SS 28/12 IC
5980	0800	USA R Marti good in SS 28/12 IC
5985	0630	ALBANIA, CRI, v/gd in AA, 30/12, PP
5990	1916	ROMANIA RRI fair in Russian // 7375 12/1 IC
6030	0625	USA, R.Marti, gd in SS, 30/12, PP
6050	0556	LIBERIA ELWA Monrovia now signing on 30 minutes later. Tuning signal & opening anncts, religious prgms, poor at best 28/1. BCM
6070	1605	TURKEY TRT fair in Persian 14/1 BDW
6070	1645	TURKEY Voice of Turkey, Emirler, fair in Farsi 9/1 BC
6100	1700	CHINA CRI excellent in EE (Beijing Hour prgm) 16/1 BDW
6120	1858	TURKEY Voice of Turkey, Emirler, fair in Turkish 27/12 BC
6120	1900	TURKEY Voice of Turkey, fair/gd in Turkish, //5980, 16/1, PP
6150	0703	GERMANY Radio Marabu via Europa 24 DattelIn 1kw opening weakly but

disturbed by Austria 6155 initially. Peaking around 0730 fading from 0800, best reception so far on 29/1. GG anncts & variety of music formats. BCM

6180 0624 GERMANY DWD German Weather Service, Pinneberg 10kw fair w/weather news in GG // 5905 poor but clear 25/1. BCM

6940 0351 (Pirate?) Clever Name Radio on USB with frequent IDs and music prgm heard on the SDR 21/1 ABD** SD**

7120 1850 SOMALIA Radio Hargeisa good & clear, ident 1857 & news headlines 24/1. Now closing an hour later at 2000 following short sung anthem, BCM

7181a 0500 ERITREA VOBME Asmara clear of heavy Ethiopian jamming from this time when prgms in AA, talks, HOA vocals, news 0600 27/1. Freq 7181.56. BCM

7181 1750 ERITREA VOBME, fair in local language with chanting 5/1 BC

7220 0545 ROMANIA, R.Romania Int, v/gd in RR, 30/12, PP

7220 0615 FRANCE AWR via Issoudun fair in French 21/1 IC

7235 1807 SOUTH KOREA KBS fair in Russian 30/12 BDW

7245 1823 MOLDOVA Trans World Radio, Grigoriapol, ID fair in Tigrina 20/1 BC

7255 0640 NIGERIA, VoN fair in Hausa via Ikorodu. 17/1 SMF**

7265 1820 U.K., BBC. Poor but steady in FF 5/1 KB

7290 1904 ROMANIA IRRS via Saftica fair with EE news 21/1 BC

7305 0638 ASCENSION IS, BBC WS Fair in Hausa but a bit of electrical noise on League SDR. 17/1 SMF**

7315 1900 UNITED ARAB EMIRATES RTI via Dhabbaya fair in FF 24/1 IC

7345 0631 ROMANIA RRI fair with EE world and sports news 1/1 BC

7345 0643 ROMANIA, RRI VG in EE with news of an economic crisis! 17/1 SMF**

7345 0657 ASCENSION IS, BBCWS came up with a fair signal in EE after closure of RRI. 17/1 SMF**

7345 0720 ROMANIA, R.Romania, exc. in GG, s/off at 0725 with elaborate ID, 5/1, PP

7355 0600 USA R Marti VG in SS 29/12 IC

7355 0645 USA, R Marti Fair in SS with talk. Not as good on // 7435 17/1 SMF**

7360 0610 ROMANIA RRI VG in FF 29/12 IC

7360 0620 ROMANIA, R.Romania Int, fair/gd in FF, 5/1, PP

7365 1830 GERMANY Bible Voice B/casting, Nauen, EE ID then Persian prgm 12/1 BC

7390 0642 FRANCE, RFI via Issoudun Fair in FF with talk and current affairs type prog. 17/1 SMF**

7395 1845 CHINA CRI fair in GG with European service 9/1 BC

7465 1700 SINGAPORE, BBC. Gd in Persian, talk w/mx. 1730 Big Ben TC, nx – 8/1 KB

7480 1834 MOLDOVA (clandestine, directed to Iran) Radio Payame-Doost, Grigoriopol in Persian, big signal 11/1 BC

7485 1900 GERMANY, VOA. Fair/poor in Kurdish. Weak final 30 min but lasted to 2000 s/off. // 9515 weak 8/1 KB

7495 1802 GERMANY, Deewa Radio. Fair in Pashto. // 9355 Good 5/1 KB

7495 1830 GERMANY VOA Deewa Radio, via Biblis fair with talk in Pashto 14/1.BC

7520 0700 ARMENIA, R Denge Kurdistane good with timepips and id then presumed news in Kurdish. 17/1 SMF**

7520 1530 INDIA AIR fair in Urdu 17/1 IC

7545 1300 PHILIPPINES VOA poor in Cantonese after EE IDs 8/1 IC

7580 0810 N.KOREA, V.of Korea, fair in JJ, 5/1, PP

Please add the symbol ** after your initials if you heard the station using the League's Northland SDR. If you've heard it using the SDR, others may be able to as well, and it all counts as DX.

Contributors

ABD**	Arthur De Maine	Ashburton	Using the League's Northland SDR facility
BC	Brian Carr	Christchurch	JRC NRD535, MFJ tuneable dsp filters, EWE antenna
BCM	Bryan Clark	Mangawhai	WinRadio G33DDC and AOR7030+ receivers, EWes to North, Central & South America.
BDW	Brian Webb	Upper Hutt	DE-1103 and AR-1733 with whips
IC	Ian Cattermole	Blenheim	JRC NRD535, EWE antenna
KB	Kelvin Brayshaw	Levin	Tecsun PL-660 receivers, whip ant.s linked
PP	Phil van de Pavverd	Coopers Beach	R-71E, AOR 7030+, Winradio GR31 DDC, flag antennae N/NE, NE, 200m longwire
SD**	Sam Dellit	Australia	Using the League's Northland SDR facility
SMF**	Stuart Forsyth	Malaysia	Using the League's Northland SDR facility

Contributions to this column may be sent to nzrdx@lunder9@gmail.com or direct to the editor, Ian Wells, at iwellsnz@gmail.com or via snail mail to P O Box 178, Mangawhai 0504.

Overseas (Australian) contribution

Rob Shepherd from Toowoomba has provided some recent loggings and a correction to a log included last month. Rob notes increased numbers of Indonesian stations audible in the tropical bands, and suggests that NBC Bougainville 3325kHz may have closed, and Vanuatu 7260kHz may also be off air.

Freq	Time	Details
3260	1200	PNG Radio Madang, fair with EE News 8/1 RS
3325	1200	INDONESIA RRI Palangkarya in Indonesian, 25/1 RS
4870	1425	INDIA AIR Delhi poor in Hindi, has carried Radio Sedeyee Kashmir at other times 25/1 RS
4950	1600	INDIA AIR Srinagar seak with talk in vern languages 25/1 RS
5970	0750	USA WEWN/EWTN, Birmingham with SS religious "Radio Nacional Catolica" 25/1 RS
7345	1310	[correct January entry] MYANMAR (NOT Thailand) Thazin Radio, Myanmar (not Thai) army stn in Shan language, fair mixed with CNR1 China 19/12 RS
7505	1445	UZBEKISTAN TWR relay gd relig. in Punjabi and TWR int signals 26/1 RS

Overseas (USA) contribution

Freq	Time	Details
4885	0439	BRAZIL R Clube do Para, Belem fair in PP with IDs and local pops 28/1 RDA
5960	2304	TURKEY Voice of Turkey – Emirler, EE news and ID then spoken programmes and music until close 2354, fair, 20/01 RDA
7220	0504	ROMANIA Radio Romania International – Galbeni, news in Romanian then ID and features. Fair 05/01 RDA
7360	2056	IRAN Voice of Islamic Republic of Iran – Sirjan, poor to fair in SS with ID and talk feature 08/01 RDA

Note that reception of these overseas loggings may not be possible in New Zealand at the times listed

Overseas Contributors

RDA	Rich D'Angelo	Wyomissing, PA	Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4
RS	Rob Shepherd	Toowoomba, QLD	JRC NRD535, 80 metre longwire, EWE antenna

BANDWATCH OVER 9MHZ



Editor

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Levin

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Freq	UTC	Country, Station, Programme, & Reception details
9410	2105	N.MARIANA ISL, Rad.Free Asia, poor/fair in CC, 11/1, PP
9420	2100	GREECE, V.of Greece, with mx, poor in Greek, 11/1, PP
9485	1930	VATICAN. NHK via SMG. Poor in English. 11/1. IC
9485	1945	VATICAN CITY, Rad.Japan, with nx, v/gd in EE, 11/1, PP
9490	0504	FRANCE, Radio Republica. Fair in Spanish - 3/12 BC
9560	1400	UZBEKISTAN. NHK via TCH. Poor in English. 27/12. IC
9570	0848	SOUTH KOREA, KBS. Poor in Korean (Tentative) – 15/12 BDW
9615	1835	CHINA, CRI (URU) . Fair in German + songs - 15/12 BC
9640	1523	SOUTH KOREA, KBS. Poor in Vietnamese – 13/12 BDW
9715	1925	AUSTRIA, Voice BNC. Fair in EE, relig intruction + songs - 4/12. BC
9740	0320	ROMANIA RRI reportedly in SS. Fair signal with talk - hard to pick out language as modulation wasn't great. 29/12 SMFM
9790	1935	AUSTRIA, Media Broadcast, gd in GG with Xmas songs, (special Xmas BC),25/12.PP
9835	0825	MALAYSIA, RTM Sarawak FM, fair/gd in Malay, 9/1, PP
9850	1943	FRANCE, AWR (via ISS). Poor in Ibo – 16/1 BDW
9915	1520	UNKNOWN LOC'N, RFA. Poor in Korean – 4/1 BDW <i>[Public data files give site as N.Marianas - Ed]</i>
9955	0409	USA, WRMI fair in EE with usual religious message, but noisy. 29/12 SMFM
9955	0445	USA WRMI Okeechobee w/Wavescan feature on history of Australian domestic SW stations, fair-good 25/1. WRMI idents 0500 and off air. BCM
9975	1903	EGYPT, R.Cairo, fair in Turkish, with mx, followed by OM talking, 18/12, PP
11670	0425	CUBA, RHC. Fair in Spanish + Cuban style songs - 12/12 BC
11685	1900	SPAIN. REE. Good in Spanish. 18/1. IC
11725	1945	NEW ZEALAND, RNZI, exc. in EE, 1/1, PP
11730	0540	FRANCE, Rad.Japan, fair in FF, 11/1, PP
11730	1812	TURKEY, VOT (EMR). Good in English; nice songs - 10/12 BC
11730	1812	TURKEY, TRT. Excellent in English – 16/1 BDW
11760	1852	CUBA, Rad.Habana, poor in SS, 9/1, PP
11765	1828	FRANCE, RFI. Fair in French, Afr service - 10/12 BC
11765	1850	FRANCE, Rad.France Int., fair/gd in FF, 9/1, PP
11790	0600	ROMANIA, Rad.Romania Int. signing on in FF, fair, 31/12, PP
11815	0552	BRAZIL, Rad.Brasil Central, fair in PP, 31/12, PP
11840	0550	CUBA, Rad.Habana, v/gd in SS, 31/12, PP
11875	0540	IRAN, VOIRI, gd in Turkish, 31/12, PP
11915	1000	TAIWAN. RTI. Poor in Indonesian. 20/1. IC
11915	1842	S.ARABIA, BSKSA, gd in AA, //11930,11820 poor, 9/1, PP
11930	1942	USA, Rad.Marti, gd in SS, 1/1, PP

11945 1840 FRANCE, Rad.Japan, fair in JJ, // 9/1, PP
 11945 1849 FRANCE, R.Japan NHK (via ISS) Afr svc; Fair in Japanese, old English songs - 10/1 BC
 11945 1940 MADAGASCAR, World Christian BC, fair in AA, 1/1, PP
 11985 1832 AUSTRIA, AWR, gd in AA, 9/1, PP
 11995 1830 FRANCE, R.France Int., v/gd in FF, 9/1, PP
 12085 0900 MONGOLIA, V.of Mongolia, opening in EE, gd, 5/1, PP
 13530 0840 TAIWAN, Sound of Hope, gd in CC, 30/12, PP
 13590 0334 CHINA, CRI. Good in English (Beijing Hour) – 16/1 BDW
 13590 1935 THAILAND, VOA, poor in EE, 9/1, PP
 13645 1115 INDIA. AIR. Good in Thai. 221/1. IC
 13720 0430 JAPAN, NHK World R good in KK with talk. 29/12 SMFM
 13725 1430 FRANCE. NHK via ISS. Good in Russian. 2/1. IC
 13730 0634 NEW ZEALAND, RNZ Pacific, with nx, v/gd in EE, 11/1, PP
 13740 1940 FRANCE, Rad.France Int, poor in FF, 9/1, PP
 13840 2030 NEW ZEALAND, RNZI, exc.in EE, 31/12, PP
 15105 0433 NTH KOREA, VoK good with rousing vocals. Beginning FF b/cast. 29/12 SMFM
 15120 0435 CHINA, CRI fair/ good in EE. 29/12 SMFM
 15140 1850 OMAN, .Sultanate of Oman, fair/gd in EE, 19/12, PP
 15180 0437 NTH KOREA, VOK fair but noisy same type of vocals as FF b/cast above. 29/12 SMFM
 15190 1925 PHILIPPINES Radio Pilipinas, Manila w/vocals, EE ident 1928 w/ transmission details, then sung hymn or anthem and abruptly off 1930. Poor due noise level 30/12. BCM
 15200 1855 S.AFRICA, DW, poor/fair in Hausa, 19/12, PP
 15280 0122 PHILIPPINES, R.Veritas Asia (PUG). Fair in Urdu - 7/12 BC
 15280 0720 JAPAN, Rad.Japan, gd in JJ, 30/12, PP
 15285 0455 S.ARABIA, BSKSA, gd in Swahili, 5/1, PP
 15290 0900 FRANCE, Rad.Japan, v/gd in Japanese, 18/1, PP
 15300 0722 FRANCE, Rad.France Int, fair in FF, 30/12, PP
 15320 0300 TAIWAN. RTI. Fair in English. 19/1. IC
 15410 1003 INDIA, AIR, gd with nx in EE, 5/1, PP
 15425 0130 CHINA, CRI, exc.in CC, 15/1, PP
 15450 0255 CHINA. CRI (XIA). Talking in Amoy. Fair - 4/12 BC
 15450 0640 ROMANIA. RRI. Good in English. 9/1. IC
 15450 0645 ROMANIA, RRI (TIG). ID. Fair in EE + Romanian songs - 11/12 BC
 15455 0508 TAIWAN, Rad.Taiwan Int, gd in Vietnamese, 5/1, PP
 15465 0940 TAIWAN, Rad.Taiwan Int, gd in CC, 18/1, PP
 15530 0210 PHILIPPINES, Rad.Veritas Asia, v/gd in Vietnamese, 15/1, PP
 15580 1905 BOTSWANA, VOA, gd in EE, with nx, 19/12, PP
 15590 0228 JAPAN, R.Japan NHK (YAM). Fair in JJ. Beetles 'Yesterday' & some jazz - 5/12 BC
 15610 1930 USA, WEWN, fair in EE, religious, 10/1, PP
 15700 0101 N.MARIANAS. RFA (TIN). Fair in Burmese - 7/12 BC
 15710 0105 CHINA, CNR6 (BEI). YI + om talking in Amoy + songs - 8/12 BC.
 15760 0515 THAILAND, Rad.Mashaal, gd in Pashto, 5/1, PP
 15825 1925 USA, WWCN, religious, poor in EE, 9/1, PP
 15870 0115 TAIWAN, S.of Hope, fair/gd in CC, //15940,15970 best, 16250 best, 31/12, PP

16100 0520 TAIWAN, Sound of Hope, gd in CC, //16300, 17440, 5/1, PP
17490 0158 CHINA, CRI (BEI). Good in Amoy + pop songs - 9/12 BC
17510 0940 INDIA, AIR, gd in Indonesian, 18/12, PP
17525 0230 N.MARIANA ISL, Rad.Free Asia, gd.in Tibetan, 15/1, PP
17540 0140 N.MARIANA ISL, Rad.Free Asia, gd in Uyghur, with fire Drake in background, 31/12, PP
17630 1000 THAILAND. Radio Thailand. Fair in Thai. 26/12. IC
17640 0705 UAE, Dubai, BBC, gd in EE with nx, 30/12, PP
17690 0529 KUWAIT, R.Azadi. Mostly fair in Pashto, yl/om. // 12140 weak – 2/1 KB
17690 0710 KUWAIT, Rad.Free Afghanistan, fair in Dari, 30/12, PP
17700 0200 PHILIPPINES, Rad.Pilipinas, fair in EE, //17820 better, 31/12, PP
17820 0200 PHILIPPINES, R.Pilipinas. Poor/fair in EE; IDs, song, fa nx. // 17700 poor – 3/1 KB
17830 0452 UAE, BBC. Poor in FF & pop mx, off 0459 (noisy - local TVI) – 2/1 KB
17870 0848 INDIA. AIR. VG in Indonesian//17510. 11/1. IC
19010 1000 KUWAIT, R.Azadi (tentative). Good in pres. Pashto, after weak start at 0830. – 6/1 KB
21480 0655 N.MARIANA ISL, Rad.Free Asia, fair in Tibetan, 30/12, PP
21610 1840 USA, The Overcomer Min. via WRMI, v/gd in EE, religious, 19/12, PP
21670 0940 S.ARABIA, BSKSA, exc. in Indonesian, 5/1, PP
21680 0650 DUBAI, R.Free Asia, gd in Tibetan, 18/12, PP
21700 0655 N.MARIANA ISL, R.Free Asia, gd in CC, 18/12, PP

Overseas Contributions (Edited)

9330 1725 USA WBCQ – Monticello, 1725-1750, Allan Weiner complaining about govt taxes, problems at the station, etc. Poss rpt of a December prgm. Fair – 4/1 RDA
9650 2204 GUINEA Radio Guinée – Conakry, 2204-2244, FA with nx in French; feature prgm “Le Journal”. ID 2220 & 2238. Fair – 27/12 RDA
9660 2002 VATICAN Vatican Radio – Santa Maria de Galeria, 2002-2034, Holy Father’s Xmas Day thoughts in English Svc. Closed prgm w/Xmas songs & b’grnd info abt each. Into French prgm at bottom of the hour. Fair – 25/12 RDA
9910 1245 INDIA, AWR (via Gavar) in local languages w/relg prgm; IS @ start & end. Good 1245-1445 – 26/1 RS
11600 1556 CLANDESTINE Radio OMN (Oromia Media Network) – Kostinbrod (Sofia), *1556-1656*, flute mx opening 1600, ID, nx in pres Oromo Some HOA mx, but mainly long talks until close at 1654. Fair – 27/1 RDA
11620 1420 INDIA, AIR (PAN). Nepali service to 1430 sign-off. Good – 26/1 RS
11735 2024 ZANZIBAR Zanzibar Broadcasting Corporation – Dole, 2024-2101*, Prgm of continuous local mx. Closedown by FA 2059 in Swahili. Fair to good – 5/1 RDA
11790 2204 11790 MADAGASCAR World Christian Broadcasters – Mahajanga, 2204-2257*, MA/FA in Arabic. Nice mx w/talk features. ID 2256 & contact info. Very good signal – 25/12 RDA
11815 1610 TURKEY Voice of Turkey – Emirler, 1610-1657*, FA, nx in Turkish. Turkish mx prgm 1618. Closedown, ID & anncmnts. Fair to good – 25/12 (D’Angelo-PA)
11815 1634 TURKEY Voice of Turkey – Emirler, 1634-1657*, nice prgm of Turkish mx;

- & features in Turkish by MA & FA. Fair – 7/1 RDA
- 13800 1500 MALAGASY, R.Dabanga. Good in Sudanese & AA to South Sudan, IDs. // 15550 vy weak (This tx mixed w/stn below poss Puntland R. 20 kW, Garowe, Somalia); s/off 1530 – 26/1 RS
- 15105 1230 BANGLADESH, R. Bangladesh Beta. Fair level with some fading. EE nx. ID – 25/1 RS
- 15140 1430 OMAN Radio Sultanate of Oman – Thumrait, 1430-1510, EE prgm w/pop mx “Oman FM” IDs; om/yl hosting “Would You Say It Again” ads & public service axmnts incl Supreme Council for Planning’s latest survey. 1503 ID “#1 Radio Sultanate of Oman, your mx stn. Pop mx. Fair to good signal – 28/1 RDA
- 15360 1700 CLANDESTINE Voice of Amara – Issoudun, *1700-1717, soft strings & gongs IS; MA w/ID & opening anncmts in presumed Amharic. Mainly talk features hosted by MA. Poor – 25/12 RDA
- 15640 0230 PHILIPPINES, R.Pilipinas (PHT). English prgrm on economic development // 17700, 17820 – 25/1 RS
- 17760 1150 KUWAIT, R.Kuwait. Excellent level with Filipino svc to 1200 s/off. ID, National Anthem & Call to Prayer – 24/1 RS
- 17845 1220 UAE, Clandestine R.Ergo (via DHA) to Somalia daily 1200-1300. Fair level, some fading. Somali talk px, HOA stringed mx – 25/1 RS

Contributors

BCM	Bryan Clark	Mangawhai	WinRadio G3DDC and AOR-7030+. EWES to North, Central & South America
BDW	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips
IC	Ian Cattermole	Blenheim	NRD-535. EWE.
KB	Kelvin Brayshaw	Levin	2 x PL-660s, Whips linked.
PP	Phil van de Pavverd	Coopers Beach	R-71E, AOR-7030+, GR31DDC. Flag antennae N/NE, NE, 200m longwire
RDA	Richard D’Angelo	Wyomissing, PA	RX-340, R-8B, Eton E-1,E-5, AlphaDelta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4
RS	Rob Shepherd	Toowoomba, QLD	NRD-535D. 80m Longwire, EWE NE/SW
SMFM	Stu Forsyth	Mangawhai	Eton E-1, Drake SPR-4. 3m EWE

Your input much appreciated, thank you.

And a warm welcome to Rob Shepherd of Toowoomba QLD, who recently joined NZRDXL.

73

Kelvin



ENGLISH IN TIME ORDER

Editor

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Time Order summary of Ian's BandWatch Under 9MHz & Kelvin's BandWatch Over 9MHz columns. 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 Under/Over 9MHz Bandwatch column editors, 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
0200	17700f:17820g	Rado Pilipinas	PHILIPPINES	31/12	PP
0200	17700p:17820f	Radio Pilipinas	PHILIPPINES	3/1	KB
0300	15320f	RTI	TAIWAN	19/1	IC
0334	13590g	CRI	CHINA	16/1	BDW
0409	9955f	WRMI	USA	29/12	SMFM
0435	15120g	CRI	CHINA	29/12	SMFM
0631	7345f	RRI	ROMANIA	1/1	BC
0634	13730g	RNZ	NZ	11/1	PP
0638	5935g	WWCR	USA	30/12	PP
0640	15450g	RRI	ROMANIA	9/1	IC
0643	7345g	RRI	ROMANIA	17/1	SMF**
0645	15450f	RRI	ROMANIA	11/12	BC
0657	7345f	BBCWS	UK	17/1	SMF**
0705	17640g	Dubai	UAE	30/12	PP
0900	12085g	V.of Mongolia	MONGOLIA	5/1	PP
0910	4840p	WWCR	USA	31/12	PP
1003	15410g	AIR	INDIA	5/1	PP
1400	9560p	NHK	JAPAN	27/12	IC
1700	6100e	CRI	CHINA	16/1	BDW
1812	11730e	TRT	TURKEY	16/1	BDW
1812	11730g	VOT	TURKEY	10/1	BC
1835	5845	IBC Radio	ARMENIA	1/1	BC
1840	21610g	The Overcomer	USA	19/12	PP
1850	15140g	Sultanate of Oman	OMAN	19/12	PP
1904	7290f	IRRS	ITALY	21/1	BC
1905	15580g	VOA	USA	19/12	PP
1925	15825p	WWCR	USA	9/1	PP
1930	9485p	NHK	JAPAN	11/1	IC
1930	15610f	WEWN	USA	10/1	PP
1935	13590p	VOA	USA	9/1	PP
1945	9485g	Radio Japan	JAPAN	11/1	PP
1945	11725e	RNZI	NZ	1/1	PP
2030	13840e	RNZI	NZ	31/12	PP

SHORTWAVE REPORT

Editor

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AFGAHANISTAN

R. Afghanistan, Kabul. 6100 kHz. At 1630 UT, thanks to Rumen Pankov's tip! Heard talk after MX and luckily caught ".min Kabul". Later clearly talk in Arabic. "Afghanistan" was mentioned. Getting stronger but at the time SIO: 222. (Zeljko Crncic-D, wwdxc BC-DX TopNews Jan 20)

ARGENTINA (NON)

Adrian Korol of RAE ATTW sent a new WRMI relay schedule effective Jan 8, in jpg format which I make into text:

English 0200-0300 Tue-Sat 9395 NoAM

Japanese 0800-0900 Tue-Sat 9455 WeNoAM, AS

Chinese 0900-1000 Tue-Sat 9455 WeNoAM, AS

Portuguese 1200-1300 Mon-Fri 9955 LatAM [should also be on 9455!] {UTC Tue-Sat? }

German 1900-2000 Mon-Fri 9395 NoAM, EUR

Italian 2000-2100 Mon-Fri 9395 NoAM, EUR

Spanish 2200-2300 Mon-Fri 5950 LatAM

French 2330-2400 Mon-Fri 7780 NoAM, EUR

(Via WWDXC 16 Jan)

BAHRAIN

9745 Programme change on 9745 kHz confirmed in period 5-12 Jan 2018: instead of previous General Prgr in Arabic now is already Shabab (= Youth) Programme in Arabic featuring mainly rap-disco-techno songs in Arabic.

Noted IDs, on Jan 5th at 0135 UT; on Jan 6th at 0517 UT as "nineteen eight point four Shabab eF eM"; at 1518 UT a jingle "Shabab ef em", same also on the next days and nights. Usually ID is around 15th minute of the hour. (Via Rumen Pankov-BUL, wwdxc BC-DX TopNews Jan 13)

BANGLADESH

Bangladesh Betar External and Home Services, Jan.23:

from 1315 on 9455 DKA 250 kW / 320 deg to SoAs Nepali External Sce, very good

from 1530 on 4750 SVR 100 kW / non-dir to SoAs English Home Service fair/good
(swldxbulgaria.blogspot.bg/2018/01)

DENMARK

World Music Radio.Reception on Jan.15

0605&0807 on 5840 Karup-Jutland-Denmark 7 kW, weak to fair World Music Radio will be soon MW 927 kHz and SW 15805 kHz

(Via swldxbulgaria.blogspot.bg/2018/01)

Radio 208 also from Denmark will be on air soon on the following frequencies: MW 1440 kHz and SW 11440

(Via swldxbulgaria.blogspot.bg/2018/01)

EGYPT

Reception of Radio Cairo with fair modulation in 31mb on Jan.31
1700-1900 on 9974.6 ABS 250 kW / 005 deg to N/ME Turkish, fair to good
1800-1900 on 9540.0 ABS 200 kW / 325 deg to WeEu Italian, fair to good
1900-2000 on 9570.0 ABS 200 kW / 325 deg to WeEu German, good signal
2000-2115 on 9570.0*ABS 200 kW / 325 deg to WeEu French, instead of 9900
2115-2245 on 9570.0*ABS 200 kW / 325 deg to WeEu English instead of 9900
* open carrier / dead air only
(swldxbulgaria.blogspot.bg/2018/02/)

FINLAND

Scandinavian Weekend Radio returns to the airwaves on Feb 3rd 0000-2400. Frequencies listed on their website 5980, 6170, 11690 & 11720. Monthly broadcasts planned for 3rd March and 7th April. Check website for programme and frequency information. info@swradio.net (Via SWR website)

GUAM

KTWR Trans World Radio Asia, Very good reception Jan.15:
1102-1125 on 11965 TWR 100 kW / 263 deg to SEAs English Mon-Fri
1125-1140 on 11965 TWR 100 kW / 263 deg to SEAs English Tue-Fri
1102-1157 on 11965 TWR 100 kW / 263 deg to SEAs English
(Via swldxbulgaria.blogspot.bg/2018/01)

INDIA

All India Radio Reception in English, Feb.2:
1000-1100 on 15410 BGL 500 kW / 060 deg to EaAs English
1000-1100 on 15770 PAN 250 kW / 120 deg to AUS English
1000-1100 on 17895 BGL 500 kW / 120 deg to AUS
All India Radio Reception of Vividh Bharati Service on Feb.2
from 1133 on 9380 ALG 250 kW / 188 deg to SoAs Hindi, weak
from 1133 on 9865 BGL 500 kW / 038 deg to SoAs Hindi,
(swldxbulgaria.blogspot.bg/2018/02)

PHILIPPINES

Radio Veritas Asia RVA reception on Jan.16:
1230-1257 on 15225 PUG 250 kW / 280 deg to SEAs Kachin,
(Via swldxbulgaria.blogspot.bg/2018/01)
FEBC Radio via Bocaue, reception Jan.16
1300-1330 on 11825 BOC 100 kW / 305 deg to CeAs Tibetan
1330-1400 on 9465 BOC 100 kW / 305 deg to CeAs
(Via swldxbulgaria.blogspot.bg/2018/01)

FEBC Radio via Iba on reception Jan.16
1000-1400 on 9400 IBA 100 kW / 330 deg to EaAs Chinese
1400-1600 on 9345 IBA 100 kW / 330 deg to EaAs
(Via wldxbulgaria.blogspot.bg/2018/01)

SURINAM

Radio Apintie. 4989.98. 0949 M tlk in Sranan Tongo w/ments of September and Pakistani. Nice peaks at 0950:10 and 0950:50. Into canned anmnts/ads at 0952, 1 w/M shouting, and ID by M at 0953:05. 0954 people singing/shouting in unison like girls jumping rope. Faded

and was very weak but got a 'R. Apintie, the happy station' ID by W at 0955. 1004 apparent nx sponsor ad, then M w/nx. Still had some audio at 1050 recheck. (Via HCDX Valko 13 Jan.)

TAJIKISTAN

Voice of Tajik in English on Jan.15 1300-1400 on 7245 DB 100 kW / non-dir to CeAs English, (Via swldxbulgaria.blogspot.bg/2018/01)

UNITED KINGDOM (NON)

BBC starts Horn of Africa shortwave broadcasts today on Jan.29 in three different languages, each with 20 min. duration, 1830 UTC repeat of 1730 UTC SCB =Bulgaria DHA= UAE ASC = Ascension Island MEY = South Africa.

1730-1830 on 7595 SCB 100 kW / 195 deg to EaAf Amharic/Oromo/Tigrinya Mon-Fri
1730-1830 on 11720 DHA 250 kW / 230 deg to EaAf Amharic/Oromo/Tigrinya Mon-Fri
1730-1830 on 12065 MEY 100 kW / 015 deg to EaAf Amharic/Oromo/Tigrinya Mon-Fri
1830-1930 on 9885 MEY 250 kW / 019 deg to EaAf Amharic/Oromo/Tigrinya Mon-Fri
1830-1930 on 15490 ASC 250 kW / 070 deg to EaAf Amharic/Oromo/Tigrinya Mon-Fri
1830-1930 on 7505 SCB 100 kW / 195 deg to EaAf registered via SPL is Deleted
Via swldxbulgaria.blogspot.bg 2018/01)

USA

WRMI Schedule has now been updated to reflect the new schedule from January 8th
In particular, as had been previously indicated, the use of 11580 kHz has now been completely dropped, and all broadcasts by The Overcomer Ministry have ceased.

WRMI-1, Okeechobee

1300-0300 7780 YFR 100 kW 044 deg to WeEUR English, various languages, also R Slovakia Internat, R Ukraine, Radio Prague, RAE French.

WRMI-2, Okeechobee

0230-0600 5985 YFR 100 kW 222 deg to MEXI English / Spanish
also R Taiwan Internat, NHK R Japan Spanish.

WRMI-3, Okeechobee

0000-0100 11530 YFR 100 kW 160 deg to CeAM Spanish Daily Radio Taiwan Int
0100-0200 11530 YFR 100 kW 160 deg to CeAM Spanish Daily Family Radio

WRMI-4, Okeechobee

2200-0500 9955 YFR 100 kW 160 deg to SoAM English/Spanish
1100-1500 9955 YFR 100 kW 160 deg to SoAM English/Spanish

WRMI-5, Okeechobee

0000-2400 9455 YFR 100 kW 285 deg to WeNoAM English/Spanish/Ch/Ru,
also R Taiwan Internat, RAE Japanese, R Slovakia Internat,
RAE Chinese, RAE Portuguese.

WRMI-6, Okeechobee

0000-2400 9395 YFR 100 kW 355 deg to EaNoAM English/Spanish
also RAE German, RAE Italian, RAE Spanish, RAE Portuguese,
R Prague, R Slovakia Internat.

WRMI-7, Okeechobee

1400-2100 21525 YFR 100 kW 087 deg to NoCeAF En Daily R Africa Network

WRMI-8, Okeechobee

1300-2400 11825 YFR 100 kW 355 deg to EaNoAM English, is off totally !

WRMI-9, Okeechobee

1300-0300 11580 YFR 100 kW 044 deg to WeEUR En/Sp, is off totally !

WRMI-10, Okeechobee

0700-0730 11530 YFR 100 kW 087 deg to WeAF Hau/Kan Daily Radio Herwa Int

1930-2000 11530 YFR 100 kW 087 deg to WeAF Hau/Kan Daily Radio Herwa Int

WRMI-11, Okeechobee

2300-1400 7570 YFR 100 kW 315 deg to WeNoAM English, is off totally !

WRMI-12, Okeechobee

0700-0900 5850 YFR 100 kW 315 deg to WeNoAM En Sun/Mon Various WRMI pxs

2230-0200 5850 YFR 100 kW 315 deg to WeNoAM En/Sp Daily

also R Slovakia Internat, Radio Tirana, Radio Prague

WRMI-13, Okeechobee

0000-0100 7730 YFR 100 kW 285 deg to MEXI En Fr/Su/Mo Various WRMI pxs

0700-0900 7730 YFR 100 kW 285 deg to MEXI En Su/Mo Various WRMI pxs

WRMI-14, Okeechobee

1100-1130 5950 YFR 100 kW 181 deg to Cuba Spanish Daily AWR Cuba

1130-1230 5950 YFR 100 kW 181 deg to Cuba Spanish Daily Radio Praga

2200-0200 5950 YFR 100 kW 181 deg to Cuba Spanish

also AWR Cuba, R Slovakia Internat, RAE Spanish, Family Radio Spanish.

(Alan Roe, Teddington-UK, BrDXC-UK yg Jan 8 via WWDXC)

ZAMBIA

Voice of Hope. Extended their broadcast today (12 Jan 2018) to 1930 UTC, on both 6065 (strong signal here) and 4965 (weak, with UTE noise on the USB). English language program about the source of Christianity, prayer, then Voice of Hope ID at 1930, 1 kHz test tone until c/d at 1931. The schedule on their website has been updated 10 January and still says closedown is at 1900 (Via HCDX .Eike Bierwirth Wiesbaden, Germany)

STATION NEWS

KOREA D.P.R. "Voice of Korea."

The first issue of the "Mailbox" column on the radio "Voice of Korea" in the first year announced that, at the request of the listeners, the air will be told about the history and culture, tourism in the DPRK, and familiarize with the recipes of traditional Korean dishes.

"Last year, our office received a lot of requests from listeners who asked us to tell a lot about the history and culture of the Korean nation, to introduce in detail the traditional Korean dishes and tourism in the DPRK. In the new year in our programs we will widely cover all this, "the presenter said.

Today the "Voice of Korea" hour program consists of a national anthem, patriotic songs, news, short notes or essays, music, announcements of broadcasting frequencies. Sometimes on the air there are small headings dedicated to the listeners' feedback on programs, songs from friendly countries, etc. On the website of the radio station at: <<http://www.vok.rep.kp>> in the form of audio files, daily news, political commentaries, phrases, for studying the Korean language and much more.

According to the directory "Radio Broadcasting in Russian", broadcasting in Russian from Pyongyang began June 15, 1963. This year, the Russian edition of the radio "Voice of Korea" will turn 55 years old.

kolkeradio.blogspot.ru/2018/01/blog-post.html#more>

(Anatoly Klepov-RUS, RUSdx #958 via wwdxc BC-DX TopNews Jan 7)

USA From David Frantz, WWRB, at 1336 UT on Jan 21:

"Greetings!! Our main transmitter went up in smoke. Hope to have it up today Sunday with

all the cold weather then warming up. We think moisture got us. We have many programmers that want to take advantage of our \$25.00 airtime rate per hour. It is a great rate for 100,000 watts of transmitter power with frequencies that people can HEAR!

Most of my time now is giving flight training for instrument students. We have on site a full ILS, NDB, VOR DME aircraft approaches saving plenty of time and money for our students as no time is wasted getting vectored around and sequencing with other aircraft. The shortwave station is nothing more than a hobby station now. We keep it on for various programmers on days that make sense”

Hi David, Many thanks for keeping us informed. Please continue to do so. I assume “up in smoke” was not literal, if you can have it back on today. What exactly happened to it? We were wondering why no signals heard last night.

(Glenn Hauser to David Frantz, WWRB, via WoR, hcdx and dxld Jan 23)

QSL NEWS

ANGOLA

4949.75, Radio Nacional de Angola, Mulenvos. Reception report send to the station via e-mail 24-01 at 0621 UTC. Received e-QSL letter v/s Josefa Kenzuela, 24-01 at 1115 UTC. Replay in 4 hours 54 minutes. Reception report send to: ?josela.mami@hotmail.com (Via HCDX Manuel Mendez Lugo, Spain)

KYRGYZSTAN

KYRGYZ RADIO 4010kHz reports to publicktrk.kg or office-rrtc@ktrk.kg Full detail E letter in 8 days (Via DX Fanzine & Artur Fernandez Llorella. Malgrat de mar. Spain Birinchi Radio (Public Broadcasting Corporation of the Kyrgyz Republic), is now QSLing, so if you haven't verified this station I'd recommend you try for there verification at shamyrganova@gmail.com and montecristoyanni@gmail.com.

[Both the same broadcasting organisation Editor]

QSL window - January 2018

We are releasing the new edition of the electronic publication 'QSL.window' with new information from e-mail and postal addresses used successfully in obtaining a QSL card, a confirmation letter, or an eQSL from radio stations that received reception reports. The layout of this publication data has been improved, making it easier to locate the information that is being sought.

Many radio stations continue to receive and accept reception reports, confirming them in the best way they understand how to do it, and this is what the pages of this electronic edition presents.

Developed initially in 2012 in a joint activity with my friend Fabricio Silva (Tubarão SC), the information base of 'QSL.window' brings together data provided by SWLs from Brazil and from other countries for the use of others who wish to increase the number of their confirmations. The collaborators are presented at the beginning of the publication, to whom we thank you once again.

This publication is free. You are free to disclose this data through blogs, website or similar, always crediting the source of origin.

For comments and suggestions, please contact: grimm.r@outlook.com.br .

To access 'QSL.window':

<http://dxways-br.blogspot.com>

Click on 'QSL.window - January 2018' (on the right of the screen, just below the DX Clube do Brasil logo).

With great sadness we report the death of **European Music Radio's founder** and short wave legend **Tom Taylor**, to many also known as Barry Stephens.

For many dedicated SW free radio enthusiasts, E.M.R. was the station in the late 1970s and 1980. As from 1980 onwards E.M.R. and FRS became sister stations.

Within a few days a Memorial with some personal memories will be put on the FRS site. We will inform you via mail when it will be on-line.

All of us at FRS are shocked by Tom's death. He indeed was a short wave legend. May he rest in peace. (Via Peter Verbruggen on behalf of the FRS Team)
[Tom was indeed a good friend to all DXers & SWL. Editor]



E UROPEAN M USIC R ADIO	QSL	BROADCASTING: FROM: EUROPE TO: EUROPE
To: _____ C.M.T. _____ DATE: _____ BAND: _____ ANTENNA _____ TX POWER _____	ADDRESS: EMR P.O. BOX 2727, 6049 ZC, HERTEN NETHERLANDS	
BEST WISHES TO YOU FROM US	FFFR	GOOD LISTENING

BROADCAST NEWS

Editor

Bryan Clark

Mangawhai

email

nzrdxlbroadcast@gmail.com



MORE POWER FOR BONAIRE, NEW FORMAT FOR 1240 HAWAII

NEW ZEALAND Coast Hawkes Bay has vacated **1584** in a swap with Radio Hauraki, with Coast taking on the 99.9 FM frequency. Hauraki format began on 1584 on Monday 22 January. (Brian Withers & BC)

AUSTRALIA 6NW Port Hedland **1026** ceased AM transmission on 19 January 2018, after simulcasting with the new FM outlet for some weeks. This is the first station to switch off AM in the current phase of AM-FM conversions in Australia.

For the most up-to-date data on Australian medium wave (and FM) stations, you need to download the Australian Communications & Media Authority (ACMA) Broadcasting Book – January 2018 edition. Go to <https://www.acma.gov.au/Industry/Broadcast/Spectrum-for-broadcasting/Radio-and-television-transmitters/radio-tv-broadcasting-stations-book-spectrum-for-broadcasters-acma>

BONAIRE PJB Bonaire is scheduled to increase power on 800 from 100KW to 450KW on January 30th. The Facebook Live Event begins at 3:00 pm Bonaire time, though the power increase may occur earlier in the day. The latest report on TWR's web site, dated January 17th, indicates that the 9-person launch team was doing final testing last week. TWR web site graphics show a 4-tower array and a Figure 8 directional pattern with lobes NNW and SSE. The one to the North is directly at Florida and Cuba. (Jon Pearkins 22 January via IRCA's 'DX Monitor')



ID now supposed to be "Que Brille 800 AM Bonaire". (Glenn Hauser DXLD Yahoo Group)

TWR Bonaire new schedule effective 5th February:

0000 – 0300 Northwest 440 kW Spanish (that is beamed to Cuba, BC)

0300 – 0500 Caribbean 225 kW Spanish

0500 – 0800 Caribbean 100 kW Spanish

0800 - 1000 Brazil 440 kW Portuguese

1000 - 1100 Caribbean 225 kW Spanish

1100 – 1200 Caribbean 100 kW Spanish

1200 – 1230 Caribbean 50 kW Spanish (Mauno Ritola WRTH Facebook Page)

BRAZIL Brazil continues in the migration process of AM stations to FM. The website tudoradio.com has prepared an exclusive section with update details. The tendency is for this process to evolve more rapidly in the coming weeks. <https://tudoradio.com/conteudo/ver/41-o-radio-migracao-das-ams-para-a-faixa-fm> (Samuel Cássio Martins, dxing.info fb group via mediumwave.info 26/11/17 via IRCA)

The Brazilian government announced a deadline for the shutdown of a mediumwave station after the change to FM: 180 days. (Rudolf Grimm, ARC via IRCA)

CANADA

- 640 CFMJ Richmond Hill ON changing branding from Talk Radio AM 640 to Global News Radio.
- 680 CJOB Winnipeg MB branding change from AM 680 CJOB to Global News Radio.
- 770 CHQR Calgary AB changes from AM 770 to Global News Radio.
- 980 CKNW New Westminster BC changing from CKNW AM 980 to Global News Radio. (Dan Sys via IRCA)
- 980 CKNW New Westminster BC has dropped Coast to Coast AM. (NRC)
- 1010 CFRB Toronto ON networks are now CP/TED/C2C. (TV via NRC)
- 1140 CHRB High River AB has added the slogan "Connecting Communities." (HK-NRC)
- 1150 CKFR Kelowna BC networks are now CP/TED/C2C. (TV via NRC)
- 1280 CFMB Montréal QC has modified format to ETH/CLA (ex-ETH).
- 1450 CIFL Fraser Lake BC voluntarily surrendered license of low-power // CIVH-1340.
- 1450 CBKS Cache Creek BC LPRT applies to move to 93.5 MHz FM (CBWA-860 in Ashcroft BC would go dark as well with this move.)
- 1480 CIFJ Fort St. James BC voluntarily surrendered license of low-power // CIVH-1340.
- 1480 CHLD Granisle BC voluntarily surrendered license of low-power // CFBV-870.
- 1490 CKBV New Hazelton BC surrendered license of LPRT //CFBV-870. (all NRC)

CHILE

- 880 CB88 Radio Colo Colo, Santiago (MS08): Alameda 4263, Estación Central Santiago. Website: radiocolocolo.cl (web via ARC)
- 1110 CD111 R La Frontera, Temuco (AR08) Email address: araucanaradio@gmail.com (Henrik Klemetz)via ARC)

COLOMBIA

A new network started operations at the end of last year, operating on the north coast of Colombia and using frequencies belonging to CARACOL, a group of investors investors have set up the Sistema Radial Cardenal, which also 2 FM frequencies.

Stations:

- 1010 HJOP ex - W Radio, Barranquilla
- 1050 HJBB ex - Caracol, Valledupar
- 1360 HJUO ex - Oxigeno, Cartagena
- 1580 HJRM ex - Caracol, Sincelejo The name Cardenal refers to the representative bird of the department of la Guajira (Rafael Rodriguez CADENA DX via Mauno Ritola WRTH Facebook Page)
- 1120 HJGH 24 Horas Radio, Bucaramanga, new name
- 1160 HJEV Radio Eco, Cali, ex Única (Fredrik Dourén, ARC)
- 1230 HJTP Caracol Radio, Girardot, ex Colina (Fredrik Dourén, ARC)
- 1290 HJOI ConecZión Radio, Sampués (Sincelejo) ex Radio Chacuri. (Henrik Klemetz and Jan Edh, ARC 26.12.2017 via IRCA)
- 1380 HJMM Cadena Radial Vida, Valledupar. New. Calle 11 # 12 10 Barrio San Joaquín, Valledupar. (All from Fredrik Dourén, ARC via IRCA)
- 1580 HJE66 La Voz del Café, Rovira, ex Celestial. (L.Simm/H.Klemetz, ARC via IRCA)
- 1580 HJRM Sistema Cardenal, Sincelejo. New station network playing Vallenato music for Caribbean Colombia. Ex Caracol. Here with a local announcement for Sincelejo 1580 AM. Other stations in the chain: 1010 Barranquilla, 1050 Valledupar and 1360

CUBA Info from RadioCuba about transmitter movements: R.Caribe is temporarily on **530** kHz (via one of the transmitters used for R.Rebelde at the CTOM “Caribe”, Isla de la Juventud) because the **1220** transmitter (CTOM “La Fe-Progreso”) burned. R.Relej CTOM “Las Tunas-Progreso” has been temporarily moved from **1020** to Rebelde frequency of **1210** kHz due a transmitter failure. CTOM is the abbreviation used by RadioCuba for “Centro Transmisor de Onda Media [Mauricio Molano, mwdx] via Glenn Hauser’s DXLD Yahoo Group)

HAWAII

- 690 KHNR Honolulu new slogan: “The Answer AM 690 94.3 FM”. (IRCA)
- 760 KGU Honolulu has new slogan: “The Reason AM 760-95.1 6-27-17FM”. (IRCA)
- 1040 KLHT Honolulu granted STA extension, temporary tower. (NRC)
- 1060 KIPA Hilo has changed format from Hawaiian to Adult Contemporary, with new slogan “The Beach” (IRCA)
- 1240 KEWE Kahului has changed to Ethnic format from Contemporary Christian.
- 1500 KHKA Honolulu STA extended from temporary tower, 5kw day & night U1. (NRC)

INDIA All India Radio, Jagdalpur is testing the new Nautel NX100 DRM transmitter on **756** with a power of 100 kW from 5 PM IST (1130 UTC). Reports may be sent to: jagdalpur@air.org.in (Jose Jacob, dx_india 7/12/17 via IRCA)

MEXICO XEB La Grande de B, Mexico D.F., **1220** kHz verified with partial detail personal email in 127 days. V/S: Jose Pablo Duenas Herrera, Gerente de XEB. E-mail: pablo.duenas@imer.com.mx (Vashek Korinek, South Africa via DX Fanzine 1/18)

MOROCCO SNRT from Agadir on **936** kHz had a very strong daytime signal was not heard earlier this year. Maybe the new transmitter has been installed. SNRT, Laâyoune on 711 kHz had a very low level of modulation and was not// with 936. SNRT on longwave 207 kHz was not heard and they probably still have transmitter problems. (Reidar Bø, mediumwave.info 15/12/17 via IRCA)

NORFOLK ISLAND Radio Norfolk VL2NI **1566** KHz noted from KiwiSDR site in Bay of Islands NZ on 31 Jan 0751 tune to past 0835 with relay of RNZ National but for some reason the satellite feed uses RNZI ID and IS at 0800) during the local evening hours 1630 to 0700 (0500 to 1930 UTC). Darlene Buffet (station manager) confirms the RNZ all-night relay. WRTH says transmitter is 100 watts but other sources say 50 watts - in any case, not a powerhouse! Studio is in the Island Library building in Burnt Pine, near the centre of the island. (Bruce Churchill USA via Glenn Hauser’s DXLD Yahoo Group)

PERU Radio Turbomix OCU2X, Cajamarca, **1540** kHz: P/D pers. email and link to their Facebook page with my report etc. in 106 days. V/S: Fantasmita Wily Wilmer. E-mail: fantasmitawily@hotmail.com (Vashek Korinek, South Africa via DX Fanzine 1/18)

PUERTO RICO

- 680 WAPA San Juan granted CP with U1 10kw/9.5kw. (NRC)
- 1110 WVJP Caguas granted STA, U1 2500/500, temporary inverted L-antenna near licensed site 18-13-24/66-01-13, lost tower to Hurricane Maria. (NRC)
- 1230 WNIK Arecibo granted STA, temporary tower (lost tower to Hurricane Maria). (NRC)

- 1370 WIVV Island of Vieques applies for CP with U1 5000/1200, new tower to replace the one that fell in Hurricane Maria at 18-06-06/65-28-16. (NRC)
- 1580 WVOZ Morovis granted CP with U5 1kw day & night, CoL to Aguadilla. (NRC)

USA (Items from National Radio Club's "DX News")

- 570 WTNB Pinellas Park FL applies to extend STA, U4 5000/10000, Cuba QRM.
- 590 KHAR Anchorage AK slogan to "CBS Sports 590." (HK)
- 620 WDAE St. Petersburg FL granted STA extension, U2 11200/11000, Cuban QRM.
- 710 KNUJ Denver CO slogan to "NewsTalk 710," "Stimulating Talk 710." (HK)
- 750 KOAL Price UT slogan to "NewsTalk 107.3FM & 750 AM." (Wayne Heinen)
- 780 KKOH Reno NV slogan to "Newstalk KOH."
- 810 WGY Schenectady NY slogan to "News Radio 810 & 103.1." (SK)
- 940 WINZ Miami FL granted STA extension, U2 50000/25000, Cuban QRM.
- 960 KALE Richland WA format to CLR (ex-CLR); slogan to "Big 106.1."
- 980 KMBZ Kansas City MO granted CP program test authority for U2 9/5kw, new site.
- 1050 KTCT San Mateo CA granted STA extension, U4 50kw/35kw, Mexico QRM.
- 1060 KTNS Oakhurst CA went silent Oct. 15, problems with transmission system.
- 1080 WHIM Coral Gables FL granted STA extension, U4 50kw/20kw, Cuban QRM.
- 1080 WKAT Coral Gables FL format to SS:REL (ex-REL); slogan to "Radio Luz."
- 1090 KVOP Plainview TX slogan is now "Farm & Ag."
- 1110 KBND Bend OR applies to extend STA, U1 10kw/1kw.
- 1140 KXRB Sioux Falls SD slogan to "The New 100.1 FM and 1140 AM." (HK)
- 1140 WRMQ Orlando FL format now SS (ex-UC:GOS); Urbana FM group.
- 1200 WJUA Pine Island Center FL had call change to WAXA on 19 January.
- 1230 KLTO Del Rio TX had call change to KDRN on 25 January.
- 1230 KELY Ely NV slogan to "Nevada Talk Network."
- 1230 KRYN Gresham OR now part of LEF Network. LEF = La Estación de la Familia, operated by Centro Familiar Cristiano.
- 1270 KBZZ Sparks NV granted STA extension U1 13kw /1.25kw, night parameters at variance.
- 1300 KKOL Seattle WA granted STA extension, U4 25kw/30kw, slogan "Business Radio 1300." (HK)
- 1340 KBNW Bend OR granted STA extension, U1 1kw/500w with 100' LW antenna.
- 1340 KTOX Needles CA has slogan "K-Talks."
- 1350 KCCY Pueblo CO call change to KBPL (Jan. 16) and then to KDZA (Jan. 23).
- 1370 KFRO Longview TX silent since March 2017, back on the air 19 January.
- 1380 KVSM Santa Maria CA slogan now "La Raza 102.1 FM y 1380 AM."
- 1400 KNNR Sparks NV slogan change to "Nevada Talk Network."
- 1400 KSRR Provo UT reported silent. (MR)
- 1400 KRSC Othello WA now carries SS religion, La Estación de la Familia.
- 1400 KDYM Sunnyside WA is also carrying La Estación de la Familia.
- 1410 WING Dayton OH granted STA, U1 5kw/1.25kw, pattern switching problems.
- 1410 KQV Pittsburgh PA went silent on 31 December due financial reasons.
- 1410 KMYC Marysville CA granted STA extension, U1 1.250/250.
- 1420 KSTN CA Stockton—Applies to extend STA, U1 125kw days, 250 watts nights.
- 1450 WSDV Sarasota FL format now CHR, slogan to "103.9 Kiss FM."
- 1450 WMFJ Daytona Beach FL now uses the slogan "The Cornerstone."
- 1450 WSDV Sarasota FL format changed to Adult Contemporary.
- 1470 KUTY Palmdale CA granted STA extension, U1 1.25kw day & night.
- 1480 KNTB Lakewood WA is another carrying the new SS religious format w/slogan 'La

Estación de la Familia’.

- 1490 KBRO Bremerton WA now carries La Estación de la Familia.
- 1510 KGA Spokane WA granted STA, U4 14kw/15kw, night pattern during the day.
- 1520 KOKC Oklahoma City OK seeks STA extension, U1 10kw/10kw, temporary tower.
- 1540 KXPA Bellevue WA applies to extend STA, U1 5kw days, 1.25kw nights.
- 1580 KQFN Tempe AZ applies to extend STA, D1 10kw.

USA (Items from IRCA’s ‘DX Monitor’ magazine)

- 580 KTMT Ashland OR now has slogan “ESPN 580 AM – 96.1 FM”.
- 810 KGO San Francisco CA is using slogan “KGO 810AM News-Information”.
- 870 KFJZ Fort Worth TX now has an ethnic format.
- 890 KVMX Olivehurst CA format now Regional Mexican, slogan “La Ranchera 890 AM and 104.7 FM”.
- 980 KICA Clovis NM is now silent.
- 1080 WHIM Coral Gables FL has changed call letters to WKAT.
- 1090 KMXA Aurora CO format now Entravision Radio La Suavecita regional Mexican, with slogan “Radio La Suavecita”.
- 1110 KBND Bend OR has new slogan “NewsTalk 1110-100.1 KBND”.
- 1140 WRMQ Orlando FL now has Spanish format w/slogan “Urbana FM”.
- 1200 WAXA Pine Island Center FL new slogan is “Maxima 97.3 95.7”.
- 1230 KLXR Redding CA went off the air as the clock struck midnight on the New Year. The station had featured a local morning show hosted by Jim ‘Jimbo’ Albertson and Sue McLain and took pride in being one of the first stations nationally to start the trend of going All-Christmas annually starting in 1999. The 1kW Class C AM failed to apply for an FM translator in the 2017 filing period. (Dennis Gibson CA)
- 1230 KSZL Barstow CA was not on-air 14 January. (Martin Foltz CA)
- 1240 KNRY Monterey CA has changed format to 50s, 60s oldies. (Dave Gordon CA)
- 1300 KROP Brawley CA is now silent.
- 1320 KSCR Eugene OR format is now Westwood One Lite Adult Contemporary.
- 1360 WKAT North Miami FL has change of callsign to WQVN.
- 1380 KKO Ontario CA uses the slogan “101.5 Kool Oldies”.
- 1490 WXBD Biloxi MS has new callsign WANG.
- 1490 WTKE Milton FL is now silent.
- 1490 KRTN Raton NM format now Westwood One Classic Country, slogan “All The Best Country”.
- 1560 KKAA Aberdeen SD reactivated with farming format, slogan: “AM Ag News 890”.

USA Received word from Rick Shaftan via the NRC Facebook group that WRCS Ahoskie, North Carolina is currently transmitting off-frequency at **970.124** kilohertz. Noted with Black Gospel music several nights late January. (Bruce Conti in MW Offsets Yahoo Group)

X-BAND REPORT

ARGENTINA Updated X-Band listing from Marcello A. Cornachioni in Buenos Aires:

- 1610 Radio Santa Fe-(FM tuning) (Canning, BA)
- 1610 Radio Comunitaria Regionale (Laboulaye, Córdoba)
- 1620 AM 16-20 la radio (Mar del Plata, BA)
- 1620 Radio Vita “Rete di vita” (Monte Grande, BA)
- 1620 Radio Sentires (Parco San Martino, BA)
- 1620 Radio Italia (Villa Martelli, BA)
- 1630 Radio Unità (Alejandro Korn, BA) [inactive]

1630 LRI234 AM America (San Giuseppe)
 1630 AM restauro (William C. Morris, BA)
 1640 Radio Osanna (Isidro Casanova, BA)
 1650 Radio le Stelle (Longchamps, BA)
 1650 LRI227Antares AM 1650 (Pilastro, BA) [inactive]
 1650 Radio Il Messaggero (Raffaello Castello, BA)
 1660 Radio Rivivere (Gregorio di LaFerrere, BA)
 1660 LRI232 AM Città di Nogoyá (Nogoyá)
 1670 Radio Bethel (Banfield Ovest, BA)
 1690 RADIO CLS-(Cristo la Solucion)-(San Giusto, BA) [inactive]
 1700 LRI236 Radio Fantastico (Tigre, BA) [inactive]
 1710 AM Selva (Gonzalez Catan, BA) (Play-DX Italy via WRTH Facebook 1/18)

1610 Radio Santa Fe, Canning (BA261) – ex 1680 kHz. (Argentina en AM y FM).
 1650 Radio Las Estrellas, Longchamps (BA239) – ex Radio20 de Agosto. Calle Carlos Diehl Nr 2196, Longchamps, Buenos Aires. Web: radiolasestrellas.com.ar
 Email: radio@radiolasestrellas.com.ar (Argentina en AM y FM via ARC)

PERU Radio El Sol in Arequipa on **1610** has been logged by Scandinavian DXers. A video from the station greeting the DXers has been posted on the DXing.info Facebook page <https://www.facebook.com/groups/297973940712631/311872039322821/> (BC)

PUERTO RICO Andrew Brade (UK) reports that he heard **WGIT-1660** on 19 December and Fredrik Dourén heard it as early as 15 December via a remote Swedish receiver, so WGIT is back on the air post-Hurricane Maria (even though it's still on the FCC silent list).

USA

1620 WNRP Gulf Breeze FL at 0600 UTC on 1 January heard ident as “News Radio 1620, FM 92.3,” nice clear signal. Very surprised to hear this station as usually I hear WTAW. (James Niven-TX via NRC)
 1630 KRND Fox Farm WY slogan is “La Jota Mexicana”. (LW via NRC)
 1640 WTNI Biloxi MS uses slogan “The Champ”. (NRC)
 1640 KBJA Sandy UT on 20 January w/ ID “You’re listening to the all-new K-Talk Media, KBJA 16-40 AM Sandy-Salt Lake, and the entire Wasatch Front.” (Robert Vance-TX via NRC)
 1640 WSJP Sussex WI on 6 January w/ident a minute before the hour as “Relevant Radio WSJP, 16-40 AM, 100-1 FM.” (J D Stephens-MN via NRC)
 1650 KFOX Torrance CA adds // K292HC-106.3. (FCC via NRC)
 1680 WTTM Lindenwold NJ noted on 17 December in Spanish, canned EE ident on the hour as “WTTM, Lindenwold-Philadelphia”. Over and under WOKB (Urban Gospel). Slogan is listed as Radio Unika, and simulcast WHWH-1350 (which Craig Cook in Central Florida was able to parallel weakly upon me sending out an alert regarding 1680). Here, only a strong Radio Ciudad del Mar occupying 1350.
 Running day power, or just decent propagation today? (Terry Krueger-FL via NRC)
 1680 KRJO Monroe LA noted w/ “My 99-7” sweeper. (John Rieger-WI via NRC)
 1680 KNTS Seattle WA w/ SS religious music on 2 January, followed by ID by male “Radio Luz 16-80.” (James Niven TX via NRC)



KINGS OF THE KILOHERTZ

TONY KING Greytown writes that “there are some great nights on MW - specially if there is a southerly wind forecast (as was Don Reed’s criteria). I was startled to hear Tonga over 3ZB - even wondered for a moment as to whether 3ZB was open carrier. I note that the Maori stations go open carrier often. 1179 was open carrier this week and I’ve noted Moana in Tauranga on 3 evenings. I wonder who monitors the operations. I’ve been sitting on 1490 each night to see if anything comes above the rabble, and overall I’m having a good season with my EWE. Bill Marsh’s induction coil for my small receiver is working very well. Only wish I could master coil making - I seem to have a birds nest arrangement by the time I’ve wound more than 60 turns on a former. Hard to make it neat and TIGHT.”

Tony adds more on 20 January: “My latest catches in the Trail. Resurrected my Kaito portable I bought about 15 years ago just discovering (read the Manual !!) it could be tuned down to 1khz - after years of believing it was preset 10 or 9. Shrill fidelity unlike the Tecsons but, by tuning 1 khz off the preferred signal, you get a clipped but clear signal. Found the same now with the PL380. My catch of KDWN 720 smothering 4YZ Invercargill showed my EWE was working well.” *[Thanks Tony – proving as always that the signals are there to be heard if you persevere! BC]*

STUART FORSYTH Malaysia – “The listening period started well with the erection of a 3m EWE at the new QTH in Magical Mangawhai. This is an aluminium collapsible EWE of Steven Greenyer design and it works well, but if you want to try and get the more exotic DX you need to go higher. The night Bryan Clark came to call was the worst for reception, with local noise - he won’t be invited again! Over Easter there will be a 4 or 5m EWE put up, again pointing vaguely NE and I will try erecting a 5m EWE in a vaguely SE direction. This is the more interesting prospect. On return to Malaysia I discovered that conditions are dreadful and remain so. From home I have managed to log CRI 1080 and Bangladesh 693. CRI has verified. Listening after work on the Russell SDR I have logged KSL 1160, KHTK 1140, KLOK 1170 and WSCR 670. I have verified KHNR 690 for a 2016 report via Facebook. Really looking forward to returning home in 50-odd days and in particular to the convention. Hopefully the DXing Gods will be good to us.” *[Thks for Trail support Stu! BC]*

SVENN MARTINSEN from Rong in Norway is our newest member and he comes to us with a great pedigree as a DXer since 1964. He writes that, on the Kongsfjord SDR (in the extreme northeast of Norway, BC) last autumn “I heard 2ZB-1035 and 3YW-1458 and had them QSLd. Solomons 1035 was co-channel on 1035 at the same time! However I did not manage to ID it (though DXing colleague Bjarne Mjelde did). I also did Vision 1611/1629 together with 7 or 8 narrowbanders from AUS. Earlier I have heard Al Kirton’s 4KZ 1620 relay and 4QD-1548.” Svenn has also been DXing on Peter’s Northland Radio SDR site and has heard some North American stations plus of course lots of Aussies, Pacific, Japan, Korea, Thailand and NZ stations.”

PHILIP GARDEN in Oamaru observes that “At the moment the reception has been noisy. Been on the Northland SDR but at the wrong times,” but he still manages a trail contribution. *[Thanks Phil!]*

ARTHUR DE MAINE Ashburton asks if anyone had an e-mail address for KSSK please. An e-mail report to KHTK along with a sound file brought a quick QSL response. Would like more time for DXing but at present busy scanning my railway slides and other people’s slide collections for the NZ Railway and Locomotive Society digital archives.

BRYAN CLARK Mangawhai has been distracted by FM DX for most of January but has managed a few trail items. Conditions are still rather noisy and it’s unclear whether the sun or local sources are the main culprit. Have tried to hear the higher-powered operation from TWR Bonaire on 800 but so far, no evidence.

BROADCAST TRAIL (all times are GMT/UTC)

PG Philip Garden Oamaru w/Kenwood R-1000 receiver and EWE antenna to northeast.
TK Tony King, Greytown DXing with Tecsun PL380 & Kaito 1102 & EWE to NE.
BCM Bryan Clark, Mangawhai with WinRadio G33DDC SDR & EWEs to NE, East & SE.
SMF Stuart Forsyth DXing on the NZRDXL SDR at Russell, Bay of Islands.
ABD Arthur de Maine DXing on the NZRDXL SDR at Russell, Bay of Islands.

580* 0928 USA KMJ Fresno CA fair in noisy condx with talk. Mentions of Red Eye Radio and lots of ads. 20/1 SMF**

590* 0833 HAWAII KSSK Honolulu station ID followed by Christmas Carol "O come all ye faithful" good 9/12. ABD**

640 0940 USA KFI Los Angeles CA on C2C discussing 'Fire & Fury' 18/1 TK

640 0854 UNID (CANADA or ALASKA?) American accented talk thru KFI 15/1, possibly folk song at 0909. Perhaps KYUK Alaska or CFMJ Ontario? BCM

670* 0734 USA WSCR Chicago IL fair and clear with sports talk. Some fading. 0740 Good id 'Sports Radio 670, the Score. 11/1 SMF**

690* 0745 HAWAII, KHNR (presumed) good with talk but mixed. 11/1 SMF**

690 0915 HAWAII KHNR Honolulu. "The Answer" Ad 4 Relieffactor.com .Nx 0930 TK

720 0845 USA KDWN Las Vegas NV Sean Hannity Show o/ 4YZ (tks Ewe) 18/1 TK

720* 0728 USA, KDWN fair and clear with talk. Nx headlines at 0730 followed by an id. 11/1 SMF **

740 0804 USA KTRH Houston TX w/news, ident as "NewsRadio 7-40, KTRH" then Coast to Coast AM talkshow, all alone 16/1. BCM

780 0945 USA WBBM Chicago IL. Talkback, regular. 8/1 TK

790 0905 USA KABC Los Angeles CA w/PSAs, id "TalkRadio 7-90 KABC" then Red Eye Radio talkshow, fair 24/1 with 792 splatter. BCM

800 0849 CANADA CKLW Windsor ON w/Coast to Coast AM talkshow promo, news 0900 "right here on AM 800" then returned to C-to-C, fair peaks 2/2. BCM

846 0800 CHRISTMAS ISLAND Radio Kiribati continues with slightly irregular schedule on measured 845.996 kHz. Missing 2 & 3 January, 8 & 9 January but with solid signals when monitored on 1/1 and 10/1. BCM

850* 0403 ALASKA KICY Nome vg in RR with evangelical mx & speakers. 29/1 SMF**

1020 0930 USA KTNQ Los Angeles CA w/talk. Dual hosts. ID 0932 8/1 TK

1020 0815 USA KTNQ Los Angeles CA two males in SS. California hrd P/F 22/1. PG

1040 0940 HAWAII KLHT Honolulu w/religious discussion. Exc. 8/1 TK

1140* 0840 USA KHTK Sacramento CA advert by a woman "Are you looking for a senior place for your Mum?" 0845 station ID "This is Sports 1140 KHTK". Good 10/1. ABD**

1140 0955 USA KXST Las Vegas NV ID & 'CBS Sports Radio' 8/1 TK

1160* 0723 USA KSL Salt Lake City UT fair but noisy with network talk show, ABC nx id at 0730 and clear id at 0731. Back to n/wk show at 0733. 17/1 SMF**

1170* 0810 USA KLOK San Diego CA fair/ poor with subcontinental music - not a great signal but the dominant station on the freq. SMF**

1170 0759 USA KFAQ Tulsa OK with OKW News.tv promo and "The Very Latest from the TalkRadio 11-70 Newsroom", into CBS News 2/1. BCM

1220 0827 MEXICO XEB Mexico City w/"La B Grande" Romantica mx. Freq ID 6/1 TK

1290 0815 USA KKDD San Bernardino CA w/'C2C' talkshow, good level. 16/1 TK

1310 0813 UNID LATIN w/EZL SS vocals, regular ident sounding like Radio Fiesta. US sports occasionally popped up co-channel 16/1. BCM

1380 0920 MEXICO XECO Mexico DF w/easy listening vocal, "Romantica" id 1/1. BCM

- 1400 0908 USA KVTO Berkeley CA w/ largely non-stop CC vocals 25/1. BCM
- 1410 0852 MEXICO XEBS Mexico DF with new "Bandolera" slogan, Mexican music format 9/1. Canada up 0901. BCM
- 1430 0816 KLO Ogden UT w/oldtime radio shows, crime dramas, fair on peaks 25/1. These used to be weekends only, but now nightly. KMRB on top 0830. BCM
- 1500 0800 HAWAII KHKA Honolulu w/ ESPN Sports summary 8/1 TK
- 1540 0810 USA KMPC Los Angeles w/ KK pops and anncts 8/1 TK
- 1580 0815 USA KBLA Los Angeles CA w/ SS religion. Lots of Hallelujah's. 8/1 TK
- 1630 0839 USA KKGM Fort Worth TX w/religious discussion M/F presenters 8/1. TK
- 1640 0834 USA WTNI Biloxi MS pushing thru dominant KDIA w/sportstalk 26/1. BCM
- 1640 0903 USA KDIA Vallejo CA



The Airspy HF+

© Bjarne Mjelde, January 2018, Arcticdx.blogspot.com (Item edited for length)

After months of deliberate teasing, The HF+ was released a couple of weeks before Christmas 2017. I got mine in early January.

The Manufacturer: You don't find much info about Airspy, the manufacturer. The front figure is Youssef Touil, based in Paris. The hardware is closely connected with the development of the SDR# (pronounced SDR Sharp) software. Their present range of SDRs are the Airspy Mini, the Airspy R2 (which has been evaluated here earlier), and now the Airspy HF+.

The Hardware: It is small, 90 x 55 x 12 mm excluding the antenna ports, and weighs in at 187 grams. It is metal cased. Placed beside my keyboard, it is easy to see how small it is. A local manufacturing company pride themselves with the slogan "it's not the size that matters. It's the capacity". We will see if it applies to the HF+ too.

The Airspy HF+ connects to the PC through a USB cable with a micro USB connector on the radio side. No drivers are required, so it's plug and play in its simplest form. The current draw is quite modest, around 370 mA, so it will work well from a USB 2.0 port.

The HF+ is a totally different concept than its 24-1700 MHz predecessors. It tunes 9kHz-31 MHz, and 60-260 MHz. Its maximum sampling rate is 660 kHz alias-free, which makes the MW DX-er say "What??? I need double that!" And yes, that is a serious issue on my part. But at this stage, let's judge it by what it is, and not by what it isn't.

The HF+ claims to be a paradigm shift in high performance HF radio design. It also brings more frequency agility by using high performance passive mixers with an excellent polyphase harmonic rejection structure. Now to be honest, to me as a non-tech guy this tells me nothing at all. So, my approach is as always: Has it observed sensitivity, selectivity and signal handling properties like my Perseus and Cloud-IQ, two considerably more expensive (and larger) SDRs? If it can, then it is a candidate for the dedicated MW DX-er.



Stability is quoted as 0.5 ppm, which is excellent compared to just about any SDR. Calibration can be made into the hardware (not only readout) with the help of the calibration tool in SDR#.

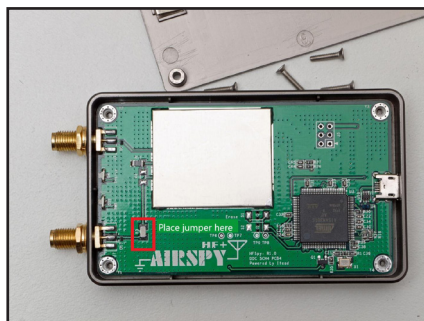
Sensitivity and an Attenuation Issue: I asked NDB DX-er Roelof Bakker if he could do sensitivity measurements for me. He measured -95 dBm on 1000 kHz, 30 % AM modulation to a 400 Hz tone and bandwidth 6 kHz. That's quite good, but not up there with the Perseus and certainly not the Cloud-IQ.

Another thing about the HF+ is that the LW band was attenuated. The attenuation appeared to start on the lower part of the MW band, and I noted a 3-dB attenuation around 800 kHz compared to a reference signal near 1400. On 540 the attenuation is 7 dB and on 153 kHz 18 dB. These figures were confirmed by Roelof.

There is a hardware modification, the "R3 Bypass" which restores sensitivity on the lower MW and the LW band. But not only that! After doing the modification, Roelof measured a stunning -110 dBm sensitivity on MW! So Roelof investigated further and found that sensitivity improved considerably up to around 15 MHz. Apparently, the attenuation had "kicked in" between 15 and 10 MHz.

The modification is relatively trivial and consists of soldering a jumper over the R3 capacitor, easily found on the main PCB. It should be done together with a firmware update.

After a hardware and software update, the HF+ has excellent sensitivity. Most people live in rather noisy environments, and in such instances the added sensitivity will have no effect. So, most people probably don't need to do the modification. But I live in an area where exceptionally weak signals can be heard when conditions are right. Several DX-ers, (including me at Smøla island) noted broadcast signals on LW which turned out to be second order intermodulation from strong signals at relative close frequency spacing on SW. It has not been observed on MW. I have not seen IP2 on LW after the modification and firmware update.



The Software: Like with the Airspy R2, one can choose between the native SDR#, SDR Console V3 or HDSDR. The SDR# is, despite excellent noise cancelling and audio enhancement tools, unsuitable for my kind of MW DX-ing because of very limited recording capabilities, so it has (almost) not been used for this review. The HDSDR support is still (January 2018) in development, but the latest ExtIO works well. SDR Console supports both the HF+ and the Cloud-IQ, which I have compared the HF+ with. I have also used SpectraVue with the Cloud-IQ, and for playing back HDSDR files.

HDSDR is a lot more responsive than SDR Console when working over a remote connection, and scheduling recordings is also more efficient in HDSDR. Playback of HDSDR files in SDR Console is possible, but the audio level is extremely low, which is also the case with the spectrum display.

Another thing I like with HDSDR is that you can have multiple program folders installed. I have set up one as "HDSDR Playback" with a desktop shortcut. When I want to play back a file without stopping the radio, I just drag the file from the File Manager to the HDSDR icon, and it starts instantly.

The Comparison: For a MW DX-er, it is only natural to see how the HF+ performs in comparison with two of the most capable (so far) SDRs on the amateur/DX market, the RF Space Cloud-IQ, and the Perseus. And because Perseus with the Jaquar software is my

preferred DX SDR, I wanted to compare these in particular. The first tests were done with the HF+ in its original, unmodified state.

Comparing DX receivers is about two things: Sensitivity and selectivity. Caveat: "Software is everything", the saying goes. So, in fairness, the comparisons below may not be so much between the Cloud-IQ and Perseus vs. the HF+. But we need a front end, so that was what I could do. No noise enhancement features were used.

Sensitivity: First off, I did a real-world sensitivity comparison between the unmodified HF+ and the RF Space Cloud-IQ. I set up a scheme of recording below threshold, on threshold, weak and strong signals off the 310-degree beverage. Signals were from North America and Hawaii. None of these A-B tests were able to separate the Cloud-IQ from the HF+ in terms of readability. However, later I found an extremely weak signal from CNR1 on 6000 kHz, and there was a subtle, but audible difference in favour of the Cloud-IQ. Noise floor needs to be very, very low for differences in sensitivity to be audible.

For the next test I set up the HF+, still unmodified, to record top of the hour recordings off the 310-degree beverage in parallel with the Perseus. The latter had a 10 dB Kiwa preamp to help it along. Still, the HF+ heard everything the Perseus heard, even very weak signals, although in some instances one could tell that the Perseus had a bit more to it.

After the R3 modification, I set up another comparison, this time with the Perseus/Jaguar only. The differences were still subtle, but there was really no instance where I felt that Perseus/Jaguar had the edge. One should remember though, that the Perseus had a 10-dB preamp to help it along, which the HF+ hadn't. When signal levels were relatively high, during the night, there was no difference in audible signal levels.

Selectivity: I then set up a test scheme to compare interference level and "annoyability" between the HF+ using HDSDR and the Perseus using Jaguar. I used the night time, when European signal levels are at their highest level. All software used LSB or USB dependent on where the interference was located, and all used 3kHz bandwidth. To those familiar with the full version Jaguar: I used 16-bit Calliope for the test.

All the five instances I tested were rather conclusive: While subtle differences, the interference level in Jaguar felt less annoying than in HDSDR. In one instance, it affected readability. The night after I set up a similar test with the HF+ using SDR Console and Perseus using Jaguar. All four instances I tested the interference felt less annoying in Jaguar, although the difference was less pronounced. At one instance, the readability was affected.

However... I decided to try SDR# with its File Player plugin as a last test. To get the centre frequency correct I had to rename the IQ files recorded in SDR Console. That done, I noticed very good audio from the four test frequencies I had chosen. Quite similar to, or better than Perseus/Jaguar. At this point it may be wise to stress that audio is a very subjective matter. Others may have quite different judgements than me, which is fair enough.

Anyway, for the MW DX-er, the HF+ plays along very well with the more expensive SDRs, but software is on Perseus' side. A much-improved IQ recorder would have helped the SDR# a lot. I have yet to check its VHF portion, especially the FM band. Maybe sometime.

Conclusion: The Airspy HF+ is a very capable receiver, one that would even satisfy the demanding MW DX-er once the sensitivity is set straight. The only major drawback is the limited, 660 kHz, bandwidth. If Airspy could double that without compromising performance, my verdict would be "outstanding". At any rate it is by far the most competent of the four inexpensive SDRs I have tested.

Chief Editor's note: Thanks to Bjarne for this article. The Airspy HF+ can be purchased for \$199 USD from here: <https://www.itead.cc/search/result/?cat=&q=airspy>. It is certainly a cheap and effective alternative.

TV/FM NEWS & DX

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FM DX LOG – January 2018

Bryan Clark, Mangawhai – Sony XDR-F1HD receiver & 7-metre-high 5 element yagi aerial on rotator. All dates and times are UTC.

30 December

2345 UTC – out in the car at Mangawhai Village, heard following stations on car radio: Tonga 87.5, BBC Fiji 88.2, Viti FM 92.0 // 92.2, 93.0 UNID, also UNID LPFM signals on 88.3 and 88.4.

31 December

0041 – New Caledonia parallels on 88.0, 89.5, 90.0, 91.5 strong; 93.0 (INTER on RDS), 96.0 // 96.5 // 97.5 // 98.5, 100.0 // 100.4, vgd at 0107; 101.0 // 101.5 // 102.5 // 103.5, 93.5 pushing past local on 93.6, 95.0 Oceane strong, 96.0 // 96.5, 97.0 Djiido // 97.5 & 98.5, 102.5 // 103.5 at 0135; 90.0 several not quite in synch over the Rock Northland.

0110 - Fiji 103.4 briefly, BBC 88.2, Viti FM 92.0 // 92.2, 92.8, 95.2 Today FM New Years Eve promo // 95.4, 96.2 // 96.0 FM96.

0241 – New Caledonians still in up to 101.5; At 0309 up to 93.0 and 0434 to 89.5.

4 January

0022 – 4CRB Gold Coast 89.3, 89.5 New Caledonia, 88.5 ABC FM classical briefly.

0050 – New Caledonians on 89.5, 91.5, 96.0 vgd, 98.5, 88.0, 91.0 mixed NZ, 90.0 over NZ, 92.5 traces, 89.5 // 89.0 at 0101. UNID thru New Caledonia 88.0 at 0102.

0438 – 96.0 Radio Djiido briefly, also NC Premiere 89.5 // 90.0.

2250 – Tonga excellent signal, weak signals on 88.0 and 90.0. At 2303, 90.0 confirmed as New Caledonia; 92.1 CRI Tonga followed past 2330, 93.0 at 2322 presumed France Inter, 92.5 Gold FM Queensland at 2323.

5 January

0009 – massive Eastern Australia opening: 97.7 Triple J Gold Coast vgd, 97.9 ABC Classic over another, 98.1 4EB with Dutch songs, into Greek from 0015, 98.7 ABC Cricket, 98.9 country music, 99.3 Triple J, 99.5 Triple J Mackay mixing with ABC Grafton on talk, 101.1 ABC cricket Mackay mixing NZ, 100.9 2 Aussies mixed, 101.7 ABC Classic FM Southern Downs, 102.1 weak, 102.9, 103.1 talk, 103.7 ABC Classic FM – could this be Broken Hill??, 104.1, 104.7 2CLR Clarence Valley commercials mixing ABC National Townsville.

0053 – 88.5 ABC Classic Gold Coast // 88.7, 89.3 4CRB, 89.5 had Triple J Nambour mixing another, 89.7 ABC NewsRadio and UNID mixed, 89.1 “Hit South Burnet 89.1” = 4KRY Kingaroy w/pops & ident past 0135.

0149 – 88.5 strong, 89.1, 89.3, 89.5, 89.7 all still in. Also 104.1, 103.9 2GF Grafton, 103.7 classical, 103.3 Triple J Southern Downs, 102.9 rock music, 101.7 Southern Downs classical, 100.9 ABC talk over Triple Z Lismore on music, 100.1 Wide Bay cricket mixing NZ at 0210, 99.7, 99.5 ABC talk strong, 99.3 rock music, 98.9 Triple J, 98.7 ABC Classic FM, 98.5 ABC cricket strong, 98.1 ABC Radio National, 97.9 ABC Classic Mackay, 97.7 cricket here – maybe Goulburn Valley Vic, mixing Triple J Gold Coast, 97.3 rock music “97.3 FM” displayed on RDS and identified with same, 97.1 ABC RN Manning River w/talk about Happiness Conference // 96.9 Lismore, 96.5 Family Radio Brisbane mixed another, 96.3 rock from Triple J Warwick // 96.1 Lismore, 95.7 ABC NewsRadio over ABC Classic FM Illawarra, 95.5 cricket from Manning River, 95.3 Lismore on classical, 94.9 rock, 94.7 ABC NewsRadio Manning River, 94.5 Lismore cricket, 94.1 jingle ident for “94.1”, later id’ed as “This is the

Gold Coast's own 94.1" at 0240, 93.3 SBS Brisbane mixed another, 92.7, 92.5 pops, 92.3 ABC Local Radio Grafton w/Cricket, 92.1 Muslim Radio Sydney, 91.9, 91.7, 91.5, 90.9 had 2 mixed, 90.7 ABC NewsRadio exc, 90.1 ABC, 89.7 music, 89.3 4CRB, 88.5.

0349 – 89.7, 90.9, 91.7, 92.1 in Arabic, 92.9 ABC Classic FM Sydney, 93.5 talk, 94.5 "FBI Radio" ident, 89.9 at 0405 = Radio Norfolk Island, 95.3 exc, 95.7 classical, 96.1 rock, 96.9 exc, 97.7 Indonesian, 98.5 Arabic, 98.9 Triple J Illawarra, 102.5 weak, likely 2MBS Sydney. 0554 – 90.9 ABC NewsRadio, 97.3 cricket, 95.7 classical – all from Illawarra.

6 January

0135 - 101.7 7HO Hobart heard for first time from Mangawhai, 89.1 talk, 89.7 weak, 90.9, 91.7, 92.5 ABC NewsRadio Northeast Tasmania also new site for me, 92.9 Triple J Hobart over NZ, 93.3 ABC FM classical Northeast Tasmania at 0149, // 93.9 Hobart, 94.1 ABC RN NE Tasmania, 98.5 at 0150 Star FM Bicheno - new, 100.9 7TTT Hobart, 91.7 ABC Local NE Tasmania. At 0237, 93.9 ABC Classical Hobart the last of this rare opening to Tasmania.

0230 - 88.8 rock music here - likely Oamaru or Queenstown, 89.0 several mixed, 89.6 Trackside Oamaru & another, 90.9, 91.1, 91.2 Radio Live Queenstown over RNZ Concert Nelson, 92.0 More FM Queenstown, 92.8 More FM Nelson, 93.5 possibly The Sound Alexandra, 94.0 More FM Invercargill over Whangarei at 0248, 94.4 Rhema Queenstown with Otago Tires advt, 94.6 Coast Wanaka, 94.8 Hokonui Gore mixed another, 95.1 Newstalk ZB Alexandra, 95.4 RNZ Concert Wanaka, 95.9 unid, 96.8 George FM Queenstown, 97.5 RNZ Concert over Northland, 98.6 The Hits Hamilton strong, 99.9 The Hits Alexandra at 0309, 90.6 RNZ Concert Invercargill over Chinese Radio at 0314, 91.2 pops UNID, maybe previously unheard The Hits South Taranaki, 97.2 Trackside Taranaki fair.

7 January

0150 - big opening to South Island: 88.1 religious format with hymns, Alexander Scourby on Bible readings, possibly 3ABN transmitter which covers good part of Canterbury (per Douglas Johns), 88.8 strong rock music, 89.1 with news at 0206 = Tahu FM Timaru (per RDS display), 89.6 Trackside Oamaru strong, 89.7 RNZ Concert Christchurch strong, 89.9 Radio Live Timaru, 90.7 suspect Timaru, 91.3 ZM-FM Christchurch exc, 92.1 More FM Christchurch, 93.7 The Rock Christchurch, distorted due local Mangawhai on 93.6, 94.5 "Canterbury's Place to Relax - The Breeze", 96.0 rock music, possibly The Edge Oamaru, 96.3 presume ZM-M Timaru, 97.7 patchy, maybe the Hits Christchurch, 89.3 The Hits Ashburton badly distorted 0224, 88.8 confirmed as Brian FM Oamaru w/local advtg, 88.5 UNID possibly w/ BBC World Service prgm at 0240 (when Christchurch to Oamaru stations coming through), 91.5 The Rock Timaru, 95.3 Mai FM Christchurch at 0248, 99.3 Radio Live Christchurch at 0257, 98.7 advt for South Canterbury Cancer Society on The Hits Timaru, 89.9 Radio Live Timaru, 89.6 NewsTalk ZB Queenstown at 0307, 88.7 More FM Alexandra over ABC classical, 89.0 Rhema Wanaka at 0335, 89.6 Queenstown, 89.8 The Rock Wanaka, 90.0 RNZ Concert Invercargill solid signal, 91.2 Radio Live Queenstown, 91.9 identifying as "This is 91.9 FM in Central Otago" = Local Radio Central, 92.4 Coast Invercargill over Trackside Northland at 0347.

0211 - Australian opening: 90.9 news format, possibly ABC NewsRadio Illawarra, 95.7 ABC Classic FM Illawarra, followed past 0250. 97.7 ABC talk mixed NZ, maybe Wide Bay Queensland at 0223, 88.7 ABC Classic FM Nambour at 0310.

0619 - Fijian opening: 88.2 BBC Suva over UNID, 92.0 // 92.2 Viti FM, 92.8 // 93.0, 95.2 // 95.4, 96.0 // 96.2, 97.6 // 97.8, 98.6 Legend FM ident at 0623, 100.0 Radio Fiji Gold, 100.8 // 101.0, 102.4 // 102.6, 103.2 // 103.4, 105.0 in Hindi // 104.8 at 0637. At 0721 recheck 88.2 BBC poor, 92.0 // 92.2, 92.8 // 93.0, 96.0 // 96.2.

0638 - more from the South Island: 88.8, 89.1 Tahu FM Timaru.

0641 - Australians - 89.9 ABC Local Radio SW Slopes.

8 January

0432 - Australian opening: 90.7 ABC NewsRadio Grafton/Kempsey, 97.9 ABC Classic, 97.7 ethnic, possibly SBS Sydney, 96.9 talk, 96.1 commercials, 95.3 ABC Classic FM Lismore mixing another on pops, 92.3 ABC Local Grafton, 99.5 ABC National Grafton fair at 0445.

1919 - Australia again: 94.5 ABC Local Lismore, National 96.9, Triple J, 95.3 ABC Classic FM Lismore.

2219 - some NZ activity: 97.2 Trackside New Plymouth fair, 95.6 Magic FM New Plymouth through The Hits Northland.

9 January

0456 – 96.1 Triple J Lismore, 96.9 fair, 98.5 ABC NewsRadio Wide Bay peaking very good.
1923 – Talk on 96.9.

10 January

0152 – 98.6 “The Hits Hamilton” ident; 98.8 ZM-FM New Plymouth.

11 January

0009 – 97.2 Trackside New Plymouth poor.

0139 – 88.2 BBC Fiji poor, 92.2 poor, 96.2 “FM96” fair, improving to vgd, 97.8 Mirchi FM Top 40 promo in Hindi & EE at 0142, 98.6. All gone at 0208 recheck.

12 January

2310 – New Caledonians on 88.0 good, 89.0 vgd, 89.5 vgd, 90.0 poor. 92.5 “France Inter” ident 2312 // 93.0. 96.0 Djido, 88.5 weak at 2316, m 90.0 peaking over NZ, 91.0 up on peaks over NZ. 96.0 at 2339; 100.0 at 2340.

2320 – 92.0 Fiji with multilingual (Fijian/EE) advert // 92.2. 88.2 fair.

13 January

0001– 96.2 NewsTalk ZB Queenstown with news, later local weather; Racing on same freq at 0013 = Trackside Oamaru; 89.9 Radio Live Timaru.

0435 – 89.7 RNZ Concert Christchurch with jazz, 89.6 Trackside Oamaru up good.

0444 – 92.3 UNID DJ chat; 88.5 UNID w/ ident as “88.5 FM” easy listening format.

14 January

0159 – 90.7 ABC NewsRadio patchy. At 0242 talk on 91.5 briefly, suspect ABC NewsRadio SW Slopes.

0211 – 89.6 Trackside Oamaru up strongly, 88.1 music here 0214, 89.7 RNZ Concert Christchurch, 88.8 strong w/rock music, 89.9 Radio Live Timaru strong.

0447 - 88.7 Lorde song, not // More FM Auckland, 89.9 Radio Live Timaru still excellent, 92.1 pops, 92.9 pops thru Radio Live Orewa – suspect The Sound Christchurch, 95.2 Life FM Oamaru mixing with Hokonui Waikaka at 0453, 95.9 Radio Live Alexandra, 96.1 Rhema Balclutha, 96.2 The Hits Wanaka, 96.8 George FM Queenstown over another, 97.2 The Edge Southland strong, 104.8 The Rock Oamaru, 87.7 country music here, confirmed as Dunedin Country Radio by // webstream but dived before I could get recorder going! Another LPFM then came up with pop format, 87.9 UNID here at same time.

0631 – Queenstown stations still audible.

15 January

0005 – Another Australia Day: 90.9 ABC NewsRadio exc, 92.5 pops flaky, 92.9 ABC Classic FM Sydney overwhelming Orewa, 94.9 country music & adverts at 0026 – maybe Gosford, 90.7 NewsRadio exc, 91.5 Triple J Grafton/Kempsey, 97.7 SBS Sydney with “SBSRadio” on RDS, 92.1 Muslim Radio Sydney, 92.3 talk about Bet Midler, 96.9 at 0107.

0126 – 97.3 ABC Classic FM Illawarra, 96.9 pops, 95.3 pops, 92.9 Sydney classical, 90.9 ABC NewsRadio, 89.7 NewsRadio patchy.

0620 – 95.3 Sydney exc – “Smooth FM” on RDS, 87.7 religious talk with ident possibly as “88.7, 90.7”, 88.0 rock music here for 4 minutes – no anncts, 92.1 promo for Muslim Women’s Welfare League of Australia, 92.3 Newstalk // 92.5, 92.9 classical strong, 94.5 Aborigine prgm, 94.7 news, 95.5 ABC Local Radio Manning River over music station, 95.7 ABC Classic Illawarra, 96.1 commercials, 96.3 Triple J Manning River, 96.9 Nova Sydney exc, 97.1 RN Manning River, 97.3 ABC Illawarra, 97.7 SBS Sydney, 98.1 rock music, 98.9 Triple J Illawarra strong, 97.3 ABC Local Illawarra exc, 89.9 with sports – who?, 89.7 NewsRadio vgd at 0755, 90.9 Triple J NE Tasmania, others from this site on 91.7, 92.5, 93.3 NE Tasmania w/classical, 94.1 rock music, 100.9 weak, 92.3 talkback.

2110 – Southwest Pacific opening: New Caledonia on 88.0 // 89.0 // 89.5 // 91.5, Tonga 87.5 with ANZ Bank commercial, 90.0 traces through NZ, 92.1 CRI Tonga vgd, 93.1 Letio Faka Kalistiane Tonga w/American preaching, 90.0 Tonga over NZ w/possible ident, 87.5 had EE news & PSA at 2158, 92.1 CRI on news 2203, 88.9 second station here under NZ w/talk – who?, 92.1 CRI Tonga up to excellent at 2233.

2308 – 88.2 BBC Fiji, New Caledonians to 90.0, Viti FM 92.2 vgd, 92.8 Radio Fiji 1 // 93.0, 96.0 FM96 vgd at 2330 // 96.2, 97.8 Hindi, 100.0 Gold FM, 100.8 // 101.0, 105.0.

16 January

0006 – Pacific opening continues: 88.2 BBC multiple transmitters slightly out of sync, 89.0 FemTalk vgd, 88.0 New Caledonia.

0308 – 88.2 BBC Fiji x 2, 89.0, 92.0 // 92.2, 92.8 // 93.0, 93.8 Mix FM thru/over The Sound, 103.4 Nai Talai FM poor (rare here), 102.4 Bula FM // 102.6 & 102.8.

0333 – 102.0 CRI Vanuatu w/EE talk about environmental issues in Japan, 90.0 possible hymn thru NZ – could this be Laef FM Vanuatu? 96.0 // 96.2 Fiji, 105.0 Hindi vgd 0424, 103.2 // 103.4 Sargam good in Hindi 0426, 96.0 “FM96 news at 5pm”, 101.0 Hindi, 98.6 Legend FM // 98.4 at 0512 till 0520 fadeout.

0745 – 90.7 ABC NewsRadio Grafton Kempsey vgd, 91.5, 92.3, 95.5.

2153 – Aussie East Coast opening: 88.5 classical, 89.3 4CRB, 89.7 NewsRadio Bega/Cooma mixing music station, 90.1, 90.7, 90.9, 91.5 Triple J Grafton/Kempsey, 91.7, 91.9 w/advert for Harvey Norman Warwick = 4RGD w/lots of local adverts, 92.3, 93.3 SBS Brisbane promo at 2200, 94.1 on news, 96.7 ABC Classic Upper Namoi, 97.1 ABC, 97.7 ethnic mixing Triple J Gold Coast, 97.9 Grafton/Kempsey, 98.5 NewsRadio Lismore, 98.7 Manning River, 99.1 ABC Local Upper Namoi, 99.5 ABC RN Grafton, 99.9 Triple J Upper Namoi, 101.1 ABC Local, 102.3 weak, 92.1 old time standards, 88.7 ABC Classic Nambour, 88.3 classical – maybe ABC Southwest Slopes, 89.5 Triple J at 2241.

17 January

0034 – Australia continues: 90.7 has 2 Aussies.

0428 – 88.7 classical excellent, 89.3, 89.5 Triple J, 90.1 ABC RN Gold Coast, 90.9 Triple J NE Tasmania, 93.3 ethnic from Brisbane, 93.7 Gympie w/ABC Classic FM, 94.1 pops, 94.5 ABC, 95.7 NewsRadio Gold Coast, 97.7 Triple J, 98.5 Lismore NewsRadio, 98.9 Brisbane w/ “98.9 for the Best Country”. Confirmed via website but no anncts past 0450, 102.9 pops, 104.1 talk.

0506 – 89.3, 90.7. 90.9 Sea-FM, 91.5 Triple J, 92.5, 94.5. 95.3 Lismore, 96.1 Triple J, 96.9 exc, 97.9 classical, 98.5 NewsTalk exc, 98.9.

18 January

0002 – 91.5 New Caledonia, 92.5 // 93.0 France Inter, 89.5 // 90.0 // 91.5.

0020 – 92.0 Fiji up briefly, New Caledonia 89.5 // 91.5 at 0032, 88.5 on peaks // 91.5, 102.0 Djido past 0107, 101.0 RRB // 101.5 // 102.5 at 0140, 103.5 Ouvea, 100.4 “RRB” on RDS display swamping NZ at 0146 // 100.0, 99.0 RRB swamping Hauraki, 98.5 Djido exc 0150 // 97.0 exc, 96.5 fair, 96.0 exc, 95.0 Oceane thumping BFM w/just “Ocea” showing on RDS, 93.0 Radio France ident, “Inter” on RDS display at 0157, 90.0 NC 1ere over/mixed NZ, 102.0 // 103.0 Djido.

0235 – 89.9 Radio Norfolk, also ABC Norfolk Island frequencies on 91.9 and 95.9 (ABC Classic FM 93.9 missing).

2029 – 90.7 NewsRadio, 91.5 several mixed, 92.7 Sky Sports Port Macquarie, 95.1, 96.1.

2308 – 92.9 ABC Classic FM mixing Radio Live Orewa, 94.1, 95.7 possibly Illawarra.

19 January

0013 – 89.7 ABC NewsRadio, 89.3 Gold Coast, 90.7 Newsradio, 91.5 Triple J, 92.3 rock music up briefly, 90.9 NewsRadio exc 0036 // 90.7 poor // 89.7 exc.

0037 – New Caledonia peaking exc // 89.0 poor; 102.0 Radio Djido up strong 0112.

0150 – 89.9 country song, possibly Radio Norfolk Island. Only briefly in.

21 January

0234 – Fiji opening: 88.2 fair, 92.0 poor // 92.2 vgd; 95.4 // 96.0 //96.2; 97.8. 98.6; 100.8 // 101.0 in Hindi.

0340 – 88.2 BBC, 89.0 92.0, 92.2, 92.8 // 93.0, 95.2 // 95.4, 96.0 // 96.2.

0348 – Tonga- still there at 0418. 92.1 CRI Tonga at 0420.

0521 – New Caledonia on 88.0 vgd // 89.0 poor.

0730 – NCL 88.0 // 89.0 // 89.5 // 91.5 excellent; Fijians on 92.0 // 92.2, 92.8 // 93.0 (mixed France Inter), 96.0, 102.0 Djido, 102.6 Fiji, 105.0 Fiji, 88.2 BBC exc at 0737.

2326 – New Caledonia 88.0 vgd // 89.0 poor, 97.0 // 96.0, 102.0 // 103.0.

25 January

0447 – 88.2 BBC Fiji w/Witness prgm, 92.2 heard briefly, 88.2 back 0536, 92.0 // 92.2 poor, 98.6 Legend FM, 101.0 good w/Dominion Fashions advt, 92.0 up vgd at 0612, 88.2 at 0629, vgd at 0705 recheck, 89.5 New Caledonia up and down, 92.2, 93.0 Fiji.

28 January

2226 – 4CRB Gold Coast exc, 88.5 classical, 90.1 ABC, 90.9, 91.7 NewsTalk fair, 92.5, 93.3 SBS Brisbane, 94.5 ABC, 93.3 Lismore classical, 96.1 Triple J, 96.9 ABC, 100.9 rock music. 2320 – French here, but no other New Caledonians heard.

What an incredible DX season this has been! 18 days with foreign DX during January, compared with 10 in January 2017. The most distant FM reception continues to be from China Radio International in Vanuatu, a distance of 2436 kilometres for me. Quite a few new Australian catches - I have to acknowledge the help of UK DXer Dave Small who had a 7-week FM DXpedition to Houhora in the Far North - we were able to keep each other informed of DX openings by text message. Dave enjoyed himself so much he is returning for another DXpedition next summer! It was also an exceptional domestic DX season - I seemed to have a reception tunnel into Oamaru - no doubt Paul Ormandy had something to do with that propagation!

Numerous recordings made for my DX archive but only a few reception reports sent, with a QSL response from Brian FM Oamaru on 88.8 - I am definitely their most distant listener!

Gisborne LPFM Check on 28 December

87.7 relay of Nuku'alofa commercial station in Tongan and occasional English - no identification heard yet ; 87.9 Switch FM; 106.8 Spellbound Radio, the Blues Connection, 107.2 UNID Not heard 25-27 December but strong on 28-29 December. EZL and Rock - no identifications heard. Gisborne LPFM band also occupied by some mainstream station relays - Coast on 88.3 and ZM-FM on 107.4 and 107.7. (Bryan Clark)

January DX – Paul Rawdon

Things seem to have gone quiet. Aside from tropo from South Canterbury which of late has been outstanding nothing has been happening. Brian FM 99.7 regularly pulverises RNZ Concert Sumner on the same frequency. I even had ZM Ashburton 96.3 at near local strength on the car radio. That is not an easy catch with the broadcasting school on 96.1.

The North Island opening below was the first time I have heard skip signals from up north. I imagine that if we still had analogue TV the northern channels 1 and 2 would have been blasting in.

With any luck there will be more to report ...

7 January 2018 Between 0100 and 0223 UTC. I thought the radio had packed a wobbly when what appeared to be locals appearing where they shouldn't. Further investigation revealed:

89.4 News Talk ZB Auckland fair

89.6 Coast Russell through splatter from RNZ Concert 89.7 Sugarloaf

90.8 Radio Live weak through splatter from ZM 90.9 Sumner

91.6 More FM Kaitaia

92.4 TAB Probably Whangarei Strong

93.2 Hauraki Kaitaia weak

94.0 The Edge Kaitaia

94.4 Radio TAB Russell

95.6 The Hits Whangarei good signal on the telescopic whip (the advert for Countdown Whangarei was a dead giveaway).

96.4 The Hits Northland Strong

97.1 UID

98.0 Mai FM Whangarei some strong peaks

With the exception of The Hits 95.6 all reception was via a 5 element Yagi pointing north. The Radio in question was the Digitech AR-1780

15 January 2018 Between 0721 and 0921 UTC another opening. Signals weren't very strong on this occasion, I was surprised that some of the lower powered stations made it through:
92.7 Sky Sport Racing Probably Inverell or Port Macquarie with racing from Newcastle
95.7 ABC Classics from Illawarra
97.1 2ABC RN Manning River with (according to the schedule) Marty Natalegawa - Can Democracy Deliver? From Centre for Policy Development.
98.1 2VLY Muswellbrook with commercials
101.3 2CFM Gosford (tent) briefly over RNZ National, Ashburton
102.5 2MBS Sydney weak with Jazz
102.7 ABC Classics Central Tablelands fair

FM DX – Paul Ormandy

Built a new 7-element Log-Yagi antenna over Xmas. It is working very well with the odd opening to Aussie early on. On the 1st of Jan a brief opening to the Hauraki Gulf with Chinese Radio Waiheke thumping in on 90.6. The 7th Jan brought Fiji on 92.0, 92.2 and 92.8 On 13th Jan heard 2JJJ 105.1 Sydney, 2PNN 90.9 Illawarra, 2UUS 101.7 & 2SEA 101.3 Western Suburbs. The 14th Jan was best opening for many years, starting with Northland stations all over the dial, including Russell, Mangawhai, Whangarei (13 of them!), then a few from the Coromandel, Pauanui, Thames, Whitianga and Waihi, soon after Hamilton, Gisborne, Auckland, Tauranga, Rahoitu & New Plymouth then the jewel in the crown, Lifou, New Caledonia in the Loyalty Is on 91.5. Plus, I worked out who the ABC station was on 91.9 I'd heard a couple of times, 2ABC Norfolk Is! So far have received QSLs by e-mail from 2JJJ and 2PNN, Lifou 101.5 and Turanga, Gisborne 91.7. Since those hectic days, the band has been quiet, just a brief opening to Gisborne on the 22nd.

FM Logs for January – Brian Withers

Dave Small gave me his old Sony ST-S 311 at Xmas time & I put up a whip aerial on our two-storey house in Napier to pick up my station which is in Hastings on 87.6. I have not DXed on FM since 2000 as I started Instrumental FM in Napier, & because of interference getting on FM band didn't think I would be able to hear DX ever again from home.

On 6th January had an opening to Australia from 23:30 to 03:15 UTC.

89.7 - ABC news Bega good, 90.7 - Grafton pop music fair, 91.5 - JJJ Bega good, 92.10 - 2MFM Sydney fair, later at 14.45 heard 2ARM Armidale talk good, 92.30 - ABC with Cricket Grafton mixed with 2UUU good, 92.90 - ABC Classic Sydney strong. 93.30 - 2BBB0 Dorrigo fair old pop music 93.3FM id, 94.10 - country music id Today's Country 94.10 Taree good. 94.50 - pops at 01.00 2Fbi Sydney good, 94.70 - ABC news Radio Manning River good, 95.30 - ABC classic Lismore. 95.50 - ABC with cricket Manning River good, 95.70 - ABC classic Illawarra fair, 96.10 - JJJ Lismore fair, 96.30 - JJJ Manning River fair, 96.50 2UUU Pop music Id Way FM poor to fair Wollongong, 96.90 - Nova Sydney mixed with ABC National Richmond strong, 97.10 - ABC National Manning River good. 97.30 - ABC Cricket fair Wollongong. 97.70 - pops Snow FM Cooma fairly good, 97.90 - ABC Classic Grafton good, 98.70 - ABC Classic Manning River good. 98.90 - JJJ Wollongong mixed with ABC National Tenterfield fair, 99.50 - ABC Classic Grafton good, 99.70 - 2UUU Wollongong relay good, 100.10 - JJJ Bega fair, 100.50 - ABC Bates bay mixed with ZZZ with pop Lismore fairly good. 100.90 - pops id Hit 100.9 Hobert fair, 101.30 - 2DBD Gigandra id Hit 93.5FM fair, 101.70 - classic mixed with id WFM good. 102.10 - JJJ Newcastle fair, 102.30 - pops 2ROX Id Hits 102.3 good later ABC Classic Canberra weak, 102.50 - Fine Music id 102.5 Sydney fair to good, 102.70 - Unid weak, 102.90 - Cricket ABC Tumarumba good. 103.20 - Sydney id 103,2FM fair, 103.50 - 02.15UTC Talk weak, 103.70 - 2NUR Newcastle weak to poor, 104.10 - pop Unid poor. 104.90 -7ABC Cricket Waratah fair, 105.10 - talk weak, 105.20 pop fair undi, 105.20 pop Unid fair. Faded out by 03:15 UTC.
87.60 - Hastings Instrumentals NZ very to weak daily.

Station News:

Coast now on 99.90 from Monday 22/1/18 switched with Hauraki who are now on AM 1584. Hawkes Bay TV sold & only having Voice of Germany prog; in English on Ch. 27.

I have two Nad's 4300 model for FM DXing & now trying out Sony ST- S311 sensitivity about the same. Only real difference is Sony has RDS which when signals strong can help id many stations.

Coast Adds FM Frequency in Manawatu

NZME has announced Coast has added a FM frequency in Manawatu and will now be on **105.8FM** in addition to its **1548AM** frequency.

Radio Hauraki was previously on the frequency and will move to **87.6FM**. Both stations are available in crystal clear digital sound on iHeartRadio.

(NZME, 26 January 2018, advertising.nzme.co.nz/coast-adds-fm-frequency-in-manawatu/)

Pioneering South Canterbury radio company sold to MediaWorks

The station that brought FM radio to South Canterbury has been sold to a major national network after decades of blood, sweat and tears for its founders.

Radio pioneer Brent Birchfield has sold **Port FM** to MediaWorks. The companies will merge on April 1, Birchfield said in a statement.

(The Timaru Herald, 30 January 2018, www.stuff.co.nz/timaru-herald/news/101000627/pioneering-south-canterbury-radio-company-sold-to-mediaworks)

DUKE goes HD

TVNZ DUKE (Freeview channel 13) is upgrading its DTT (or UHF) broadcast to HD from 11am on Thursday 11 January 2018. Following this upgrade, selected programmes will be available in 1080i to viewers who use UHF aerial to receive TV signal.

(Freeview Forum, freeviewforum.co.nz/duke-hd)

Sky TV's long-running The Box channel to be replaced by Sky 5

Sky TV's long-running The Box channel is being rebranded.

The Kiwi broadcaster is overhauling the channel with an all-new line-up and name – Sky 5 – from Friday, February 2.

(Stuff, 15 December 2017, www.stuff.co.nz/entertainment/tv-radio/99904300/sky-tvs-longrunning-the-box-channel-to-be-replaced-by-sky-5)

Results of Auction 14 FM licences

The winning bidders of the recent auction for FM sound broadcasting licences at Whitianga, Rataroa, Grampians, Hollow Top and Wallace Peak have been confirmed. The licences are valid until 2 April 2031 subject to implementation requirements being met by the successful bidders. Confirmed auction results

The provisional results of Auction 14 are as follows:

Licence Transmit Location	Frequency (MHz)	Reserve Price (GST incl)	Final Price (GST incl)	Winning bidder
91 Centennial Drive, Whitianga	95.1	\$4,761	\$32,300	R. Whitianga Ltd
Lower Rataroa	106.0	\$10,579	\$40,200	NZME
Grampians	105.6	\$74,602	\$173,400	Brian FM Ltd
Hollow Top (Marlborough Lines)	105.9	\$1,150	\$1,150	Brian FM Ltd
Wallace Peak	106.1	\$1,615	\$2,400	Brian FM Ltd

(Radio Spectrum Management, 1 February 2018, www.rsm.govt.nz/projects-auctions/current-projects/licences-for-fm-sound-broadcasting-auction-14)

UTILITIES

Editor

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Ashburton

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This month we welcome Kelvin Brayshaw to this section. Thanks for your contribution and we look forward to further contributions. I agree some of the ATC operators to speak quite quickly but I find the more you monitor those ATC frequencies the easier it is to understand the operators.

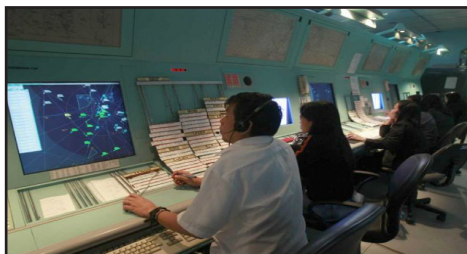
FREQ UTC DETAILS OF TRANSMISSION

3485** 0850 Gander with aero weather fair 15/1 ABD
5450** 0820 RAF England aero weather fair 15/1 ABD
5450 0729 RAF Volmet. Poor to start but steady past 0830 & Fair on peaks 14/1 – KB
6676 1810 BANGKOK Volmet. Poor in wx reports, ends 1814 – 20/1 KB
6679 0550 AKL Volmet. South Pacific & NZ wx reports. Good – 14/1 KB
6754 0832 TRENTON Volmet. Poor in wx broadcast – 14/1 KB
8176 2002 Marine wx forecasts Australian coastal waters. Ends 2007. Fair – 21/1 KB
8867 2031 SINGAPORE 297/ call Brisbane Radio on 8867 Selcal confirmed. 30 / 1 RP
8867 2041 QANTAS,147 BRISBANE position reports from FL, 380 Brisbane req Coms
8867/ 13261 30 / 1 RP
8867 0233 AIR NEW ZEALAND 849 DISTANT Coms re freq exc 13261.8867@ position
10/12 RP
8867 2139 AKL / CATHAY 118 with dist/coms @ inc FL260 31/1 RP
8867 2145 AKL/ POLYNESIAN,732 at 250 position FL 250 call SOLOALO, twr coms
118-100 confirmed 22/1 RP
8867 0402 AKL with NZ-105 Selcal ck, 8867/13261, contact Brisbane.... Good - 14/1
KB
8867 0641 AIR Canada-034 Calling Nadi, No reply. Fair – 14/1 KB
8867 0652 FIJI-931 with Nadi Flt level: block 340-360. Good – 14/1 KB
11387 0830 BRISBANE Volmet. Fair in wx reports for Aust area – 18/1 KB
13261 0533 ...144 to Brisbane: selcal check, pri 88 sec 56. Fair – 15/1 KB
13261 0537 ...144 to Brisbane: maintaining fl 380. Fair – 15/1 KB
15016** 1805 Male calling out letters of the alphabet good 22/1 ABD

CONTRIBUTORS

KB	Kelvin Brayshaw	Levin	2 x PL-660s, whips linked.
RP	Roger Pryde	Dunedin	National DR49 and indoor antenna
ABD	Arthur De Maine	Ashburton	listening on the Northland SDR

Arthur



Manilla ATC



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, December 31, 2017 -- The "shortwave clubs" that some stations operated in DX days of yore often rewarded their members with station souvenirs of various kinds. Under "CPRV/The CPRV Gallery" we have posted a compilation of some of the QSLs that the Radio Budapest Shortwave Club sent to its members. All are non-data, and it is unclear whether they were issued for particular reports or as a general gift to all club members who submitted reports during the year. (The last QSL in the group is not for club members in particular, but for a 1975 station contest.) -- Under "Specialized Resources/The DX Recordings of Colin Miller," you will find three new recordings, all from Swaziland. Thanks, Colin. -- And under "Specialized Resources/Wavescan,," Adrian Peterson favors us with three new entries: "Abandoned Radio Stations-3" (Wavescan N460, December 17, 2017), "Ancient DX Report 1913" (Wavescan N460, December 17, 2017), and "Christmas with VOA in Hawaii KRHO" (Wavescan N461, December 24, 2017). Thanks, Adrian.

< www.ontheshortwaves.com> Update, January 7, 2018 -- Among the German psychological warfare stations of World War II was Jerry's Front Radio. Broadcasting on both mediumwave and shortwave, it was actually run by Italy's Ente Italiano Audizioni Radiofoniche, or EIAR, the former employer of Jerry's Front's lead on-air personality, Rita Zucca, an Italian twin of sorts to Germany's Axis Sally. Jerry's Front opened with "It's a Long Way to Tipperary"; the signal was poor in the U.S. Jerry's Front Radio station leaflets dropped on Allied soldiers invited them to turn themselves in, and we have posted one such leaflet under "DX History/Stations." For much more on this station, and for extensive discussion of wartime radio leaflets and related subjects from World War II to the year 2011 (Libya), check out the excellent two-part website, Radio Leaflets During Wartime < <http://www.psywarrior.com/RadioLeaflet.html>>

< www.ontheshortwaves.com> Update, January 14, 2018 -- In 1960, following the Belgian Congo's independence and rebirth as the Republic of the Congo, Radiodiffusion Congolaise, as it was then known, offered a foreign service via its 50 kw. transmitter in Leopoldville (now Kinshasa). We have already posted some earlier information on this service < <http://www.ontheshortwaves.com/Congo1961.html>> and we have now added some additional photos of station personalities.

< www.ontheshortwaves.com> Update, January 21, 2018 -- For many years, Peru, Ecuador and Bolivia were the triumvirate of Andean countries whose shortwave stations were sought out most often by DXers. There were many stations, and they conveyed the kind of local authenticity that long-distance shortwave could provide. The Bolivian stations were generally the least well heard. Under "DX History/Recordings" we have posted some Bolivian recordings made at various times since the 1970s. Only a few Bolivian stations are still on shortwave (including R. Mosoj Chaski, which is among the recordings). ID locations

are in [brackets]. (1) R. El Mundo, Santa Cruz, 6015 kHz., 1987 [:03, :12, :35, :51]; (2) R. Fides, La Paz, 4845 kHz., 1976 [:16]; (3) R. La Cruz del Sur, 4875 kHz., 1976 [:52]; (4) R. Luis de Fuentes, Tarija, 6141 kHz., 1987 [:19, :32, 1:52]; (5) R. Mosoj Chaski, Cochabamba, 3310 kHz., 2000 [:31]; (6) R. Municipal, Caranavi, 4845 kHz., 2004 [:17, :23, 1:01]; (7) R. Norte, Montero, 4936 kHz., 1983 [:14]; (8) R. Nueva America, La Paz, 4797 kHz., 1976 [:04]; (9) R. Panamericana, La Paz, 6105 kHz., 1981 [:14]; (10) R. Pio Doce, Siglo Veinte, 5952 kHz., 1997 [:35]; (11); another recording of R. Pio Doce, 5952, this one in 2002 [:12]; (12) R. San Miguel, Riberalta, 4902 kHz., 2003 [:54, 3:26]; (13) another recording of R. San Miguel, this time on 3310 kHz., 1984 [:11, :49, 1:29]; (14) R. Santa Cruz, Santa Cruz de la Sierra, 6135 kHz., 2002 [:10, :41]; and (15) Radioemisoras Bolivias, Oruro, 4755 kHz., 1978 [1:00].

< www.ontheshortwaves.com > Update, January 28, 2018 -- Recently, under "DX History/ Lists, Logs, Guides & Columns," we posted the 1932 Tung-Sol "World Radio Log and Map." Now we have posted three later versions: 1934, 1935 and 1937 (the latter two are almost identical). In those days Tung-Sol was a major manufacturer of vacuum tubes. -- And Adrian Peterson takes us back to Montserrat in "The Radio Scene on a Small Island With a Large Volcano-2" (Wavescan N463, January 7, 2018); plus "Passed by the Censors" (Wavescan N463, January 7, 2018). Look under "Specialized Resources/Wavescan."

BRANCH NEWS

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

WELLINGTON BRANCH

The next Beach Babble will be on **Wednesday, 28th March**, 12.45pm
Beach Babylon Cafe, Oriental Bay, Wellington
join Dene and others to talk about what's what in the world of DX.

DUNEDIN BRANCH

Our next meeting will take place on **Saturday 10th March** from 2-4pm
at Ian Wells' home, 16 Fenty Place, Mosgiel.

We're always happy to welcome new members – for further information, contact Ian on 021 2987146 or David Miller 03 4763224. If possible, let Ian know that you're coming or, in the case of regular participants, if you're **not** able to be there.