



Welcome to the August edition of the New Zealand DX Times.

Sad Tidings - It is with great sadness we report the passing of **Life Member Peter Grenfell** on 25th July 2017. Peter was well known to many, many DXers in New Zealand and for many years he was the impetus behind the North Otago Branch. Born and bred in Oamaru, he was a cricket enthusiast as well as a stalwart of the Zane Grey Society.

Our respects are paid to Peter in this month's DX Times from page 4 onwards.

When **Ken Baird** announced he wanted to retire due to a lack of anything meaningful to hear on the Under 9 bands, I wondered how true this was. All has been revealed! I received a copy of the British DX Club's monthly magazine 'Communications' and in it there was a very interesting article they reproduced by Anker Petersen. I have included in this magazine on page 20. Basically it says that in 1973 there were 1106 stations in the 2200-5800 kHz range. Today there are 114. It makes for fascinating and depressing reading.

I can see exactly why Ken has lost interest and I don't blame him. I personally prefer MW and that is not disappearing at anything like the same rate - wouldn't it be good if a few of the New Zealand stations did! However, MW DXing is tricky in a city unless you use the League's SDR, and for those who don't like MW I guess the attraction is just not there.

DXing as a hobby is slowly disappearing and we are certainly hanging on and in many ways flourishing. Notice was given that the final European DX council meeting is being held about now. The Danish Shortwave Club has gone and others are nearing their end. As the NZ Radio DX League enters its 70th year in October, we have a lot to be thankful for.

The 69th Annual General Meeting of the NZ Radio DX League will take place on Sunday, **November 5th** in Ashburton. More notice will be given of this in the Adcom column. Put the date in your diary.

Convention April 2018 - As we head towards our 70th Anniversary celebrations (n.b. we are not 70 until October 2018) the League is hosting a convention next April. The dates are **Friday 6th - Monday 9th April**. This will be held in **Mangawhai** at the **Moirs Point Christian Camp**. You will get a fine view over the estuary towards Château Clark! More details will come out later, as it is still very early days. But - put the dates in your diary. It would be wonderful to see a large turnout.

Deadline for next issue is Wed 30th August 2017. P.O. Box 178, Mangawhai 0540

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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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**CLOSING DATES FOR THE NEXT
3 MONTHS 2017**

September Wednesday 30th August

October Wednesday 27th September

November Wednesday 25th October

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

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



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websites or via Google Images*

Radio Caroline to use 648 kHz with 1kW.

Those of you who have DXing a good while will remember the pirate AM stations on air in international waters just off the coast of England. Radio Caroline was the first and most famous. In the British DX Club's magazine Communications, the following article appeared.

Radio Caroline has announced that: "Our AM frequency will be 648 kHz with a power of 1000 watts. This is ERP or simply the power radiated by the aerial. A transmitter was imported from the Continent a few days ago and is now being modified to suit the frequency. There are further hurdles, but as you can see progress is being made." (Radio Caroline web site 2 June)



Mike Terry adds: "Its taken Radio Caroline 53 years to get an AM licence, it was perceived as a threat to the BBC for many years. Ironically 648 kHz was best known for transmitting the BBC World Service in English around the clock from September 1982 until March 2011 from the Orfordness transmitting station on the Suffolk coast." (Mike Terry) Radio Caroline's transmitter site is understood to be a farm field at Stonham Aspal, just east of Stowmarket. It's hoped that MW might be on air by August in time for the 50th anniversary of offshore radio being outlawed.

Thanks to the **British DX Club** for permission to use this item.

Adam Claydon asks members to help support the DX League Facebook pages.

They can be found at

<http://www.facebook.com/nzrdxl>

Peter Grenfell - Life Member

As the League prepares to enter its 70th year, word has arrived of the loss of one of its very earliest members.

Peter Grenfell of Oamaru is not a name you would think of as a top line DXer, but he was. Peter joined the League in 1951 when it was just 3 years old. He summarised his listening career in the pages of radiodx.com as follows (edited slightly):

I joined the N.Z. Radio D.X. League in 1951 and I have gained many friends in N.Z. and worldwide through this hobby. My main interest in the early days was listening to & reporting on the low powered North American stations on the Medium Wave Band.

I enjoyed Short Wave & listening to Swiss Radio International, Radio Netherlands, B.B.C., Radio Japan, H.C.J.B., Radio Canada International and Radio Australia as well as logging & sending reports to the many Pirate Stations that came on the airwaves from the early 1970's. Pirate Q.S.L's or verifications have been amassed from approximately 50 stations.

There are still many challenges for D.X.ers on all the radio bands. The internet could be used to advantage and may even be the catalyst for a new interest in radio.

I also have an interest in preserving the history of early days of Radio D.X.ing in N.Z. & along with Paul Ormandy and the North Otago members of the D.X. League was responsible for the depositing at least 40 D.X.ers' collections in the Archive section of the Hocken Library in Dunedin. These collections are a history of the early days of Radio D.X.ing in this country, from the beginnings of radio.

In latter years Peter enjoyed a close friendship with former League Patron and Life Member, the late Rev Dr Frank Glen. Frank and Peter went to Tiwai together and their ceremonial raising and lowering of the flag each day lives on in Tiwai folklore.



The Wing Commander (Frank Glen) and The First Sea Lord (Peter Grenfell) DXing at Tiwai



On the occasion of Peter being made a life member of the NZRDXL in 1992

I first met Peter in 1974 at a meeting of the North Otago Branch, high above the town in the Reservoir Rd shack.

Apart from DXing, Peter was a very accomplished sportsman. Cricket was his favourite and he made the Waitaki Boys' High School First XI, later representing West Coast, South Canterbury and North Otago at senior inter-provincial level. He played against some of the big names of the day including several test players. He told me one day that John Reid Snr. was a terrible sledger! Peter used to play rugby for the school in the morning and soccer in the local club competition in the afternoon. His sporting interests extended to judo and tramping. He was also a very keen philatelist and historian, writing several historic articles in recent years. Peter's busy church life saw him involved in the committee that ran Camp Iona, the site of 3 League conventions, over many years.

Peter's early employment was with the Customs Department and later as an accountant with Perpetual Trustees, rising to become the Oamaru branch manager. He underwent CMT in the navy and was very proud of his time in the naval reserve and as a member of the Royal Naval Association. He was affectionately known as the "First Sea Lord" during informal radio gatherings. Peter married Jill in 1967 and they have 3 children, Jack, Ted and Tamsyn - all now adults with their own families.

Peter had a penchant for hearing Americans on MW, particularly the "250-watters", though his best DX was a 100W station in Minnesota heard on an auroral evening from home. Fellow local DXer Don Reed had a poultry farm at Hilderthorpe in the 1950s & 60s, Peter and some of the other locals would often ride out on their bikes for an evening's DX.

He had a great set-up in Sussex St, Weston for many years with a variety of aerials and pride-of-place, an Eddystone 680X receiver. One of the great catches from Weston was CFWB Campbell River 250W 1490kHz, Peter listened every night to the frequency waiting for the moment and was justly rewarded. In later years he enjoyed the thrill of chasing low-powered shortwave pirates and was a regular attendee on outings to Waianakarua.

He was also a stalwart of the North Otago branch from 1951 until it went into recess over 50 years later. He would have held every committee post several times. When it came time to arrange a club meeting, BBQ, auction or a national convention, Peter was always there to assist. He also enjoyed traveling to DX conventions and AGMs in NZ and even attended a meeting of the Japan Shortwave Club in Tokyo, where he had a life-long friend, Toshi

Ohtake. Toshi came to our 1988 Convention at Camp Iona.

Without Peter's hard work, the League would not have an archives. He was instrumental in setting it up in Timaru in the early 70s and in the 90s when we lost use of the RNZ premises in Timaru where they were stored, it was Peter's vision and hard work that saw them safely moved to the Hocken Library in Dunedin.

Peter and his wife Jill shared a love of books and had an extensive library, with a number of first editions amongst the many books. They were members of the Zane Grey Society and traveled overseas to gatherings, with memorable trips to the UK, Grand Canyon and Pennsylvania.

Peter's health suffered in recent years, but there was always a radio close at hand. I have many fond memories of Peter, we had some great times together and he taught me an awful lot about MW DX!

A life lived fully and very well. Rest in peace my old friend.

Paul Ormandy, Oamaru

Attending my first AGM in Oamaru as Chief Editor in the 1980s was when I first met Peter. He was my host for those two days in Oamaru. In those days Peter and Jill were living in Weston and from memory he had a good antenna setup on quite a big section. During future visits to Oamaru and Peter's place I learnt a great deal about the radio hobby and the history of the League. If you wanted to know any League history you only had to ask Peter and he would produce the answer from his archives.

I can remember on a number of occasions both of us sitting at his Kenwood R-5000 in the dining room at Weston in the middle of the day tuning around the bands. On another occasion during a visit to Weston Peter produced two RNZN naval rating caps which we put on and had our photo taken. Mention of the Navy reminds me of the name that Peter was sometimes referred to at DX meetings when in attendance with Frank Glen. Peter was called the First Sea Lord and Frank the Wing Commander.

On one of my visits south Peter introduced me to Kakanui and a couple of DXers that lived in that little seaside village. Kakanui was to become my home in later years.

Peter was also one of the main organisers of a number of League conventions at Camp Iona. Another memory I have was a Convention at Little Huia near Auckland. Peter and Jill flew into Auckland in the early hours of the morning from America and came straight out to the Convention.

It is always good when a person can share or have a partner interested in ones hobby and in Peter's case he had Jill to share the radio hobby with. I also recall Ted taking an interest in radio and attending some of the annual meetings in Oamaru.

Peter was a true gentleman and the League has lost another dedicated member. Our numbers are declining.

Arthur De Maine, Ashburton

I was privileged to know Peter as a good friend for over 45 years. We first met at the 1964 League convention in Christchurch and reconnected in the 1970s when I would travel south each year to attend Annual General Meetings of the League. For most of the next 2 decades,

North Otago Branch in Oamaru hosted the yearly get-together, and Peter and Jill opened their home to me and other out-of-town members. Staying at the Grenfells every year, I got to know Jack, Ted and Tamsyn as they grew up – it was like being part of their family. Later, Sandra and our 2 boys would make the annual trip to Oamaru as well, and experience the Grenfell hospitality.

Peter was meticulous in everything he did – including his DXing recordkeeping, stamp collecting and historical research. He was key to establishing a permanent repository for the NZ Radio DX League Archives. When I last visited Peter in March 2016 he was excited to be finalising the placement of his own personal archives in an Oamaru repository.

He was also a passionate book collector and had a wonderful library – both fiction and non-fiction - and encouraged my own love of books. He would watch out for Biggles books for my collection and I, in turn, searched in vain for a Zane Grey title that Peter didn't already have. The North Otago Branch of the DX League ran for some 50 years, to a large extent this was thanks to Peter's efforts. He mentored many younger DX enthusiasts, including myself, over his more than 60 years of League membership. He was honoured with Life Membership of the League in 1992.

In the 1960s Peter founded a NZ branch of the Radio Japan Club, which I and other shortwave listeners subsequently joined. I remember him telling me about the opposition to the club that he faced from war veterans and families who had suffered under our wartime foes.

I will always remember Peter as a true gentleman, with emphasis on the gentle. A man of strong moral character, positive outlook and uncomplaining, someone we could always turn to for wise counsel if there was a dispute or disagreement in the club. And we mustn't forget dear Jill who was always supportive of all that Peter tackled.

Peter has run a good race – he has left a positive legacy in his family, community, region and also in our club. I am honoured to have known him.

Bryan Clark, Auckland

I first met Peter at the AGM in Oamaru in 1978. After the meeting we went up to the North Otago Branch's listening post, where Peter made sure everything ran smoothly and we heard some good things too.

The next time I met him was the following year when I was a teacher trainee. I was posted to Waitaki Boys' High School and was looked after over the duration by Peter and Jill. I was sick with a cold when I arrived at their house in Weston. Peter fixed me up! He gave me a piece of licorice and I didn't understand why. That was soon explained, however, as a bottle came out with a large tablespoon. It was the foulest muck I have ever had the misfortune to taste. It was quinine based, if not quinine itself. It did the trick though and I was cured in no time at all. I think it was the fear of more of the same. No wonder the Grenfells were so healthy!

He and Jill have been good friends to me over the years and it was always a pleasure to see them both when in Oamaru. I was saddened to learn of his deteriorating health when Paul and Linda Ormandy visited Maureen and me at the end of June. It was with great sadness that I learned of his passing. Maureen and my thoughts go out to Jill and the family. We have all lost a good friend and a pillar of this club.

Stu Forsyth, Cyberjaya, Malaysia.

MAILBAG

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Initially, I thought this month's column would register a first in the time since I've been inflicted on you! **Ian Cattermole in Blenheim** hadn't reported in by deadline so I was wondering whether he'd finally hit a dry spot in the mail department. Then at the last minute, he sent along a note to say he'd been suffering from the flu, but that one verie had come in though he forgot to tell me the source. At least it wasn't an email burp with the new alias. Get well Ian, and bring us the detail next month.

Stu Forsyth from Cyberjaya, Malaysia however now shows up in the ranks of regulars so all is not lost. "I had four days in Bali recently with a little time to DX, but only from about 6-7pm (1000-1100 UTC). The trail is elsewhere in this month's mag. What impressed me is the number of Aussies that could be heard and it cleared up a mystery for me too. ABC Aussies on the lower part of the band were everywhere until the rest of Asia faded in at around 1100 UTC (1900 local): Sydney, Victoria (Horsham), Adelaide and Wagin in WA. No 8s were audible. I have been hearing an ABC type programme on 531 and 558 at home. It turns out it is 6DL and 6WA respectively, which surprised me somewhat given I have heard no other Aussies here in Malaysia. I also managed to hear 6DB, to which I sent a report via the audience feedback page and scored a verie from Vanessa Mills, the Kimberley Mornings host. As well as 6DB I have logged the local RRI Bali Pro 4 station (1206) and RRI Mataram Pro 1 station (855). I have yet to get an Indonesian back and doubt I will with these, but if you don't try, you don't succeed! At home conditions have been extremely noisy of late. However, I have logged DWUN 1350, AIR 9910, 11620, and 15185, Cambodia 918 and RRI 17760 and 21500, Athmik Yatra R 1548. On the home front there are some QSLs in - RFA via Tinian 15195 for a May logging, Romania on 11790 and RNZI 5995. MW conditions have been terrible - it is always very noisy here, but when conditions are good, the signals rise above the noise and you can hear quite a lot. At present this isn't happening. I have, however, uncovered what appears to be a 24-hour Thai station on 1413. No Thais are listed for it and Bruce Portzer (keeper of the PAL) has been notified, so hopefully some information will come to light. Thais simply don't verify, so there is little hope of a QSL there. I hope you are enjoying the summer." *(It's interesting how the mind's eye places well-known spots differently from reality. Before checking with the trusty atlas, I would have put Bali way further east. Gee, Sydney! Nice going.) - As a footnote to the last point above, it is reported that there is no Thai station on 1413 and others cannot hear it. It must be a spurious signal - Chief Ed.*

Jonathan Wood, Mosgiel reports being out of town as well, but not so far away. "Hello Theo: a couple of trips this month, starting with Shag Point on 1 July which had been advertised on HF Underground as at a 'secret location on the East Coast of the South Island' in case Big Brother was watching. :-) It was good to hear Channel Z Radio again, and I believe he listened to his own transmission via the Northland SDR. I did some recordings from the lcom, Lowe and Elad, however, while my old cellphone took fairly good recordings, the new

one is a bit shoddy on the quality so I need to find an alternative device. Other than Channel Z (who sent his 7th or 8th QSL, almost all of which have differing designs), Verdad was the only other rare and collectible signal that night. At 25 watts Channel Z could, I am sure, act as a consultant to the transmitting world as to how to get a small signal so far and regularly! The other trip was to Orokonui (right beside the Ecosanctuary fence on Mopanui Road). A mystery pirate was picked up on 6925, but otherwise nothing much to cause excitement." *(Jonathan also had a description of an experiment which he later decided needed some more testing and asked for me to edit it out. Pity, as I had a smart comment to add... but that will have to wait.)*

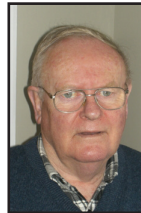
Ian Wells, Mosgiel as well, drops in with a quick item from my neck of the BC forest. "Hi Theo I've received a chatty email in relation to my report on reception of CFTE, Vancouver, 1410 kHz, back in May. The email was from Robert Gray, National Program Director (<programming@tsn1040.ca>). TSN is a sports network, part of the Bell Media operation." *(I've lost track of exactly what they do, but it's the poor sister to Bell Media's other AM station locally, also with The Sports Network: CKST/1040. Neither do particularly well in ratings, and rumour has it that new owner Rogers Media intends to switch C-ISL/650 to sports under their Sportsnet brand – three in one market!)*

Bryan Clark, Mangawhai has been hanging out on lower frequencies, which makes sense with the time of year. "Our hobby is still able to spring a surprise - the latest being the reactivation about 26 July of Radio Nacional Equatorial Guinea on 6250 shortwave - it must be several decades or more since I last heard this station! July saw me keeping an ear on the tropical bands as I watched 5055 daily for the planned 4KZ Innisfail North Queensland shortwave relay. Not on yet, but I also monitored Cuban Radio Progreso each afternoon on 4765 till its closedown around 0400 UTC. Some days no audio to speak of, but now and again a loggable signal. As our days start lengthening towards spring it will become harder to hear until Cuba goes back to standard time and signoff moves to 0500 UTC. Will try again in early November, but the best time to hear them seems to be early March. Managed to hear BBC and Sonde Grense from Meyerton on 90 metres on a few days, but current noise levels are annoying. Broadcast band is similarly noisy but I did finally manage a definite identification on the 1530 Panamanian, as well as discovering our current easiest Ecuadorian MW station Radio Universal has sneaked up to 1270.091, making it easier to spot when conditions are right, as it puts a heterodyne whine on 1270. Very sad to lose a longtime friend and mentor in Peter Grenfell - my memories of Peter will appear elsewhere in the magazine." *(4765 doesn't get out anywhere nearly as well as 5025 and 5040, though Progreso is supposedly 50kW. An 'easy' Ecuadorean? I guess everything is relative.)*

As Bryan writes, it's not good to lose a longtime hobbyist. I never met Peter but his activities and knowledge especially on MW go back to my earliest years with the League. Till next month... and you have five weeks to cook up some news. 73, Theo



BANDWATCH UNDER 9MHZ



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Wainuiomata

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Please add the date, language in full, and country of transmitter origin of your logging to your report, and keep the reception details short. Would you please try not to repeat loggings in adjacent months. **Please get a clear ID or show as tentative.**

kHz	UTC	Country, Station, Programme, & Reception Details
FREQ	UTC	Country, Station name, ID, Signal, Comments
3255	0454	SOUTH AFRICA BBC via Meyerton opening in EE, poor 18/7. BCM
3260	0801	PNG R Madang, tent, with NBC National News fair in EE 8/7 JWO
3320	0529	SOUTH AFRICA Sonde Grense SABC Commercial Service weak, fluttery signal but discernible at times w/Afrikaans spoken prgm. Tx followed until closedown at 0559:44 on 17/7. BCM
3325	0834	PNG R Bougainville reporting on incident at Bronx Lebanon Hospital. F in EE 1/7 JWS
3955	2025	ENGLAND KBS World via Woofferton w/GG news reports. Fair strength but suffered from surging atmospheric noise 12/7. BCM
4055	0528	GUATEMALA R Verdad, unaccompanied choral singing and sermon; poor in unrecorded lang 1/7 JWS
4765	0350	CUBA Radio Progreso w/news in SS, closing anncts, ident & national anthem till carrier cut at 0400. Poor to fair on 6/7, the best reception achieved from daily monitoring of freq from 5 July till 25 July. BCM
4775	0523	SWAZILAND TWR, Manzini w/ 'Insight of Living' promo, then request for listener feedback to Trans World Radio Africa by letter, email or telephone 17/7. Fair, my best reception from daily monitoring thru July – some days only carrier level. BCM
4875	0851	BRAZIL, Radio Difusora Roraima , fair – RA 19/7
4960	0529	SAO TOME VOA relay in Hausa w/fair signal 13/7 but barely readable rest of week. Ident pronounced as "Vee-oh-Are", then into FF at 0530. VOA Botswana 4930 & TWR Swaziland 4775 poor at same time, Angola 4950 missing (but back at 0620 recheck), Equatorial Guinea 5005 poor. BCM
5040	0557	CUBA RHC with Arts Calender prg ending & end of txn 0559; good in EE 1/7 JWS
5080	0600	USA WTWW playing Funky Town good in EE 1/7 JWS
5910	0856	COLOMBIA R Alcaravan, tent, L Amerincan music p-f in SS 8/7 JWO
5925	0509	ASCENSION ISLAND BBC Atlantic Relay good w/African regional news in EE 17/7. Parallel Ascension freqs 5875 good & 6005 poor. BCM
5975	0528	JAPAN R Japan with freq schedule and id ending txn f in EE 23/7 JWM
6005	0621	ASCENSION BBC News, p in EE 1/7 JWS
6015	0405	TANZANIA (ZANZIBAR) ZBC poor, fluttery 'polar' signal w/news in Swahili 21/7. BCM
6100	0632	CUBA RHC News & current events; audio a bit muffled. F-g in EE 1/7 JWS
6180	0420	ROMANIA, RRI fair in Romanian – BDW 01/7

6925 0546 Unid Pirate, presumed; succession of music tracks, p in unid lang. 8/7 JWO
6950.6 0432 USA Channel Z through to 0516 incl Sweet Child o' Mine p in EE 1/7 JWS
6951a 0429 US HOBBY PIRATE Channel Z tested to NZ on 1/7, very weak signal w/
rock music, idents and some CW code on 6950.64. Closed 0516:30.
Thanks to Jonathan Wood for organizing special. BCM

7150 1817 ERITREA VOBME trying SW again, fair in vernacs w/talback,. Folk
instrumental interludes. New headlines 1827 and closed w/anthem at 1929
30/6. AA service on 7180 also fair at this time till closedown at 1831. BCM

7205 2020 FRANCE, RFI with yl+guy talking in French. Africa Service. 28/6. BC.
7205 2039 FRANCE, RFI gd in FF with male vocalist // 9790 weaker & v noisy CC 2/7
7215 2022 ALBANIA, CRI poor in Arabic with comment – KAB v18/7
7237 1622 ETHIOPIA, Ethiopian B/casting gd in EE with talk // 7234 weaker – CC 4/7
7260 0346 VATICAN, VOA fair with comment in Somali – KAB 18/7
7260 0908 VANUATU R Vanuatu, f in Bislama 8/7 JWO
7275 2050 VATICAN, Vatican Radio gd in AA with talk // 6070 much weaker – CC 14/7
7295 0458 FRANCE, R.Algerienne. Fair in Arabic talk after brief Q'uran - 24/7 KB
7295 2019 CHINA, CRI in English, weak & noisy with talk – KAB 17/7
7300 1544 TAIWAN, R Taiwan Intl gd in CC with discussion // 7385 distorted CC 18/7
7315 0352 USA, WHRI good in English with preaching – KAB 18/7
7325 2019 SAO TOME, VOA poor in Hausa with music – KAB 18/7
7330 0425 ROMANIA, RRI. Fair in Romanian & mx - 24/7 KB
7335 2024 CHINA, CRI fair in Spanish with comment – KAB 18/7
7345 0512 SOUTH AFRICA BBC via Meyerton good & clear w/EE report on
Internet surveillance // Meyerton 3255 poor, 6190 poor, 12095 inaudible,
Madagascar 15420 poor, fluttery 17/7. BCM

7345 0910 RUSSIA R Sakha, tent, m annrcs and music, f in RR? 8/7 JWO
7350 0353 MOLDOVA. R.Denge Kurdistane.,Fair in listed Kurdish. Mx; 0400 nx h/l.
then yl; 0410 MA w/ref to Turkish PM, 0427 mx - 25/7 KB

7360 2020 VATICAN, Radio Vaticana fair in English about drugs, Africa news,2036 in
French.28/6.BC

7375 0240 ROMANIA, RRI fair in Spanish – BDW 01/7
7390 2031 CHINA, CRI poor in Hungarian with IS and news – KAB 18/7
7435 0354 USA, R Marti poor in Spanish – KAB 18/7
7460 2159 KUWAIT, RFA. Fair/poor in listed Tibetan; I/S, ID; faded out after 2220 -
24/7 KB



OVERSEAS LOGGINGS

All may not be audible in NZ at the times listed

FREQ	UTC	Country, Station, Programme & Reception Details
3345	0356	SOUTH AFRICA Channel Africa – Meyerton, music until station ID at 0400 followed by music fanfare and a woman announcer mentioning “good morning” before launching into the news in English. RDA18/7
4835	1320	INDIA AIR Gangtok Fair signal with talk & mx in Hindi. Best I have heard it. SMF 27/7
4970	1300	INDIA AIR Shillong Big carrier, dreadful modulation - unreadable signal SMF 27/7

Contributors (With my thanks).

BC	Brian Car	Christchurch	IC R-70, EWE antenna.
BCM	Bryan Clark	Mangawhai, Northland	WinRadio G33DDC and AOR7030+ receivers, EWEs to North, Central & South America.
BDW	Brian Webb	Upper Hutt	AR1733 & whip, DE1103 with whip
CC	Cliff Couch,	Paraparaumu	ATS 803A, 30m wire attached to fascia board.
RDA	Richard D’Angelo	Wyomissing USA	Ten-Tec RX-340, Eton E1, Eton E5, R8B, Lowe HF 150, Alpha Delta sloper, RF Systems mini window, Datong FL3, JPS ANC.
JWS	Jonathon Wood	Shag Point	
JWO	Jonathon Wood	Orokonui (Mopanui Road)	
JWM	Jonathon Wood	Mosgiel.	Shag Point and Orokonui used 22 and 46m dipoles; Mosgiel 19 and 26m dipoles. Receivers: Icom R75, Lowe HF150 and Elad DuoR.
KAB	Ken Baird	Wainuiomata	Tecsun PL505 & 6m wire, R5000 & 13m wire.
KB	Kelvin Brayshaw	Levin	2 x PL 660s, whips linked at tips.
RA	Roger Abbot	Inverell NSW, Australia	Alinco DX R8. 200ft Inverted L
SMF	Stu Forsyth	Cyberjaya, Malaysia	AOR 7030+, WinRadio G313e, 4m EWE

Contributions to this column may be sent to PO Box 178, Mangawhai, 0504, or K A Baird, 6 Willis Grove, Wainuiomata, Lower Hutt, 5014. Ph: +64 4 564 2579, e-mail to kenalbertbaird@gmail.com



BANDWATCH OVER 9MHZ



Editor

Kelvin Brayshaw

email

Levin

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Freq	UTC	Country, Station, Programme, & Reception details
9510	0240	ROMANIA, RRI. Fair in Spanish - 13/6 BDW
9540	0330	OMAN Radio Sultanate of Oman poor but improving in EE, w/male DJ, advert for Bank Doha, 6/7. Not heard every day. BCM
9540	1537	ROMANIA, RRI. Good in Arabic - 1/7 BDW
9570	1417	S.KOREA, KBS. Fair in Indonesian - 26/6 BDW
9610	2025	GERMANY, AWR via NAU. Fair in FF.OM spkg & mx // 9565 weaker 2/7 CC
9620	0555	ROMANIA RRI end-of-txn anct, f in EE; 23/7 JWM
9700	0557	NEW ZEALAND, RNZI. Interview on housing; at 0558 RRI's signature tune appeared underneath this txn. p-f in EE; 23/7 JWM
9790	2124	FRANCE, RFI. In French, SA target; good - 10/7 BC
9865	0951	INDIA AIR, tent, with singing; f-g in Hindi; same prg also at 9380 but poor. 8/7 JWO
9930	0953	PALAU T8WH sermon f-g in EE ; 8/7 JWO
9955	0430	SLOVAKIA/USA Radio Slovakia International via WRMI Okeechobee opening in SS to Americas, fair in the clear 10/7. BCM
11560	0230	INDIA, AIR (PAN). Fair in Pashtu, songs - 4/7 BC
11825	0340	ROMANIA, RRI (TIG). Fair in English DX prog - 6/7 BC
11850	0959	PHILIPPINES R Veritas Asia id and sked anct in EE then standing by for Khmer txn f in EE; 8/7 JWO
11895a	2022	BRAZIL Rede Boa Vontade, Porto Alegre, the most difficult to hear 25m Brazilian hrd at poor level 4/7 till closing at 2039. Freq measured at 11895.134. Other Brazilians at same time: Trans Mundial on 11734.98 the best at fair level while Aparecida 11855.06 and Brasil Central 11815.03 both poor. BCM
11905	0224	SRI LANKA, SLBC. YL talking in Hindi, + songs. Fair - 4/7 BC.
11995	0115	SINGAPORE BBC Kranji in Hindi good-vgd w/distinct multi-path echo. "BBC" ident 0117 // 9915 Tashkent relay very weak 13/7. 11995 scheduled to close at 0130 but continued in Asian lang. BCM
12019	1003	VIETNAM V of Vietnam, Vietnamese news, f in EE; 8/7 JWO
12060	2035	FRANCE, R.Algerienne (tent). Fr/gd in AA.OM chatting. Scratchy - 2/7 CC
12095	0643	UK BBC Weekend Prg; item on world's first legally registered "thruple", in Colombia. F-g in EE; 8/7 JWO
15455	0130	USA WHRI. Fair in English; full ID (South Bend IN) - 23/7 BC (Aoki and WHRI online schedule suggest this xmsn actually coming from T8WH, Palau - Ed
17510	1204	CHINA, RCI (tent) V.good in pres Filipino & pop mx, some EE titles. Off 1226 - 10/7 KB
17650	0100	GUAM, AWR, Fair/good in Amo. 0130 to Cantonese - 2/7 KB
17820	0243	PHILIPPINES, R.Pilipinas. Fair in Filipino, 0243 ID & ref to 70 yrs of B'casting - 2/7 KB

Overseas Contributions

- 9265 0140 USA WINB – RedLion, 0140-0153, Poor to fair in English - 4/7 RDA
 9420 0132 GREECE Voice of Greece – Avlis, 0132-0246, Good with talk - 4/7 RDA.
 9525 1013 INDONESIA, VOI (Jakarta). Fair in English - 22/7 RA
 9680 0141 KUWAIT RFA – Umm al-Rimam, 0141-0158*, FA talking in listed Tibetan.
 Poor to fair - 11/7 RDA
 9799.62147 EGYPT Radio Cairo – Abis, 2147-2225, local vocals time pips 2215, ID and
 FA with nx in listed English (because of awful modulation almost impossible
 to understand). Fair to good signal, however - 8/7 RDA
 9845 1000 VIETNAM, VOV (Hanoi). Good in English - 18/7 RA
 11600 1950 CLANDESTINE Denge Kurdistan – Grigoriopol, 1950-2027, MA with talk in
 Arabic, brief instrl mx and talk by FA. Nx at 2000. Fair - 3/7 RDA
 11730 0126 VATICAN Vatican Radio – Santa Maria de Galeria, 0126-0139*, Poor to fair
 in listed Malayalam . Flute mx at 0138; IS. - 11/7 RDA
 11915 2206 SAUDI ARABIA BSKSA – Riyadh, 2206-2227, OM with recitations; & some
 talk in Arabic by MA. Fair to good - 10/7 RDA
 11965 1704 CLANDESTINE Radio Erena – Kostinbrod, 1704-1800*, FA in listed
 Tigrinya, then om & yl talking. Arabic prgrm 1730. MA w/closedown & ID
 1756. Poor to fair signal but very deep fades - 13/7 RDA
 12050 2046 CLANDESTINE (Nigeria) Radio Dandal Kura –Ascension or Woofferton (?),
 2046-2059*, although channel dominated by WEWN, I could hear MA in
 listed Kanuri underneath. - 8/7 RDA
 15555 1653 USA WJHR Radio International – Milton, 1653-1715, labored signal and
 apparent operation in USB & LSB with English relig prgrm, ID & e-mail
 (WJHR@usa.com) at 1704. - 8/7 RDA
 17640 1838 MADAGASCAR MWV African Pathways Radio – Mahajanga, 1838-1850,
 MA long relig talk in English Poor to fair in noisy conditions - 8/7 RDA
 17855 1758 SPAIN REE –Noblejas, *1758-1834, IS; opening in Spanish; ID; MA, nx, ID
 at 1807; MA with talk and various features. Fair - 8/7 RDA

Contributors

BC	Brian Carr	Christchurch	ICR R-70, EWE.
BCM	Bryan Clark	Mangawhai, Northland	WinRadio G33DDC and AOR-7030+. EWES to North, Central & South America
BDW	Brian Webb	Upper Hutt	DE-1103 & AR-1733 with whips.
CC	Cliff Couch	Paraparaumu	ATS-803A. 30m wire on apartment facia
JWM	Jonathan Wood	Mosgiel	R-75, HF-150, Elad DuoR, 19 & 26m Dipoles
JWO	Jonathan Wood	Orokonui, Otago	R-75, HF-150, Elad DuoR. 22 & 46m Dipoles
KB	Kelvin Brayshaw	Levin	2 x PL-660s, Whips linked.
RA	Roger Abbot	Inverell NSW, Australia	Alinco DX R8. 200ft Inverted L
RDA	Richard D'Angelo	Wyomissing, PA, USA	RX-340, R-8B, Eton E1,E5, AlphaDelta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4

Your input much appreciated, thank you.

73

Kelvin

ENGLISH IN TIME ORDER

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Time Order summary of Ken'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. For propagation forecasts please refer to Mike's column.

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
0130	15455f	WHRI	USA	23/7	BC
0330	9540p	Radio Sultanate of Oman	OMAN	6/7	BCM
0340	11825f	RRI	ROMANIA	6/7	BC
0352	7315g	WHRI	USA	18/7	KAB
0454	3255p	BBC	UK	18/7	BCM
0509	5875g:5925g:6005p	BBC	UK	17/7	BCM
0512	3255p:6190p:7345g	BBC	UK	17/7	BCM
0512	15420p	BBC	UK	17/7	BCM
0528	5975f	R Japan	JAPAN	23/7	JWM
0555	9620f	RRI	ROMANIA	23/7	JWM
0557-0559	5040g	RHC	CUBA	1/7	JWS
0557-0558	9700f	RNZI	NZ	23/7	JWM
0600	5080g	WTWW	USA	1/7	JWS
0621	6005p	BBC	UK	1/7	JWS
0632	6100g	RHC	CUBA	1/7	JWS
0643	12095g	BBC	UK	8/7	JWO
0801	3260f	R Madang	PNG	8/7	JWO
0834	3325f	R Bougainville	PNG	1/7	JWS
0953	9930g	T8WH	PALAU?	8/7	JWO
1003	12019f	V of Vietnam	VIETNAM	8/7	JWO
1622	7234f:7237g	Ethiopian Broadcasting	ETHIOPIA	4/7	CC
2019	7295p	CRI	CHINA	17/7	KAB
2020-2036	7360f	Radio Vaticana	VATICAN	28/6	BC



SHORTWAVE REPORT

Editor

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Tauranga

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Welcome to SW report this month of interest is the end of shortwave broadcasts from Radio Medi 1 Morocco. Reactivation of Radio Malabo in Eqt Guinea and details of special broadcasts from Austria Sept 17-22nd also waiting for the appearance 4KZ Innisfail on 5055

AUSTRALIA

4KZ Innisfail 5055 kHz, An email from Al Kirton reports that the transmitter is faulty with some parts hard to source. Hopefully on by end of first week August. Reports to gm@nqradio.com.au No return postage is required.

AFGHANISTAN

Radio Afghanistan Weak/fair signal External Service, July 12: 1540&1605 on 6100 YAK 100 kW / 125 deg to SoAs English/Urdu and off at 1615UT. (Via SWLDXBulgaria News, July 12)

ARMENIA

Weak to good signal of Voice of Armenia Gavar site, June 23
1530-1545 4810 ERV 050 kW non-dir to NE/ME Assyrian
1545-1600 4810 ERV 050 kW non-dir to NE/ME Greek
1600-1630 4810 ERV 050 kW non-dir to NE/ME Kurdish
1630-1700 4810 ERV 050 kW non-dir to NE/ME Yezidi
1700-1715 4810 ERV 050 kW non-dir to NE/ME Turkish
1715-1745 4810 ERV 050 kW non-dir to NE/ME Azeri
1745-1815 4810 ERV 050 kW non-dir to NE/ME Farsi
1815-1845 4810 ERV 050 kW non-dir to NE/ME Arabic

FEBA Radio via BaBcoCk FMO, Yerevan Gavar, Wed June 22 1730-1800 7510 ERV 300 kW 192 deg to EaAF Silte, good/fair

FEBA Radio via BaBcoCk FMO via Yerevan Gavar site Tue June 21
1600-1630 12125 ERV 300 kW 192 deg to EaAF Guragena Mon-Wed
1600-1630 12125 ERV 300 kW 192 deg to EaAF Amharic Thu-Sun
1630-1700 12125 ERV 300 kW 192 deg to EaAF Amharic Daily
(All above via Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews June 30)

AUSTRIA

ORF Moosbrunn relays Summer A-17 SW schedule via Moosbrunn:
BBC
0100-0130 on 7360 MOS 100 kW / 095 deg to WeAs Pashto
0130-0200 on 7360 MOS 100 kW / 095 deg to WeAs Dari
0400-0500 on 9410 MOS 300 kW / 155 deg to CEAF Arabic
1200-1230 on 15490 MOS 300 kW / 225 deg to NoAf French

Adventist World Radio

0200-0230 on 9510 MOS 300 kW / 094 deg to SoAs Urdu
0230-0300 on 9510 MOS 300 kW / 094 deg to SoAs Punjabi
0330-0400 on 9550 MOS 300 kW / 100 deg to WeAs Farsi
0400-0430 on 9550 MOS 300 kW / 120 deg to N/ME Turkish
0505-0535 on 11955 MOS 300 kW / 190 deg to WeAf Hausa
0600-0700 on 11880 MOS 300 kW / 175 deg to EaAf Arabic
0800-0830 on 15145 MOS 300 kW / 210 deg to NoAf French
1400-1430 on 15440 MOS 300 kW / 090 deg to SoAs Urdu
1430-1500 on 17605 MOS 300 kW / 145 deg to EaAf Afar
1500-1530 on 11935 MOS 300 kW / 120 deg to N/ME Turkish
1530-1600 on 15160 MOS 300 kW / 090 deg to SoAs Punjabi
1600-1630 on 15160 MOS 300 kW / 090 deg to SoAs Urdu
1630-1700 on 15150 MOS 300 kW / 100 deg to WeAs Farsi
1800-1900 on 11955 MOS 300 kW / 175 deg to EaAf Arabic
1900-1930 on 11955 MOS 300 kW / 190 deg to WeAf Hausa
1930-2000 on 15155 MOS 300 kW / 170 deg to CeAf French
2000-2030 on 11880 MOS 300 kW / 210 deg to WeAf Dyula
2030-2100 on 15155 MOS 300 kW / 210 deg to WeAf French
2100-2130 on 11880 MOS 300 kW / 210 deg to WeAf English

Bible Voice Broadcasting

1700-1715 on 15215 MOS 100 kW / 115 deg to N/ME English Fri/Sun
1700-1730 on 15215 MOS 100 kW / 115 deg to N/ME English Thu/Sun
1715-1900 on 15215 MOS 100 kW / 115 deg to N/ME English Sat
1730-1800 on 15215 MOS 100 kW / 115 deg to N/ME Arabic Sun

Radio Japan NHK World 0500-0530 on 5975 MOS 300 kW / non-dir to WeEu English

Oesterreichischer Rundfunk

0500-0620 on 6155 MOS 300 kW / non-dir to WeEu German Mon-Fri
0500-0615 on 6155 MOS 300 kW / non-dir to WeEu German Sat/Sun

Oesterreichischer Rundfunk, special transmissions on Sept.17-22

1730-1800 on 9790 MOS 100 kW / 090 deg to N/ME English Sun-Fri
1730-1800 on 13775 MOS 300 kW / 175 deg to SoAf English Sun-Fri
1800-1830 on 6070 MOS 100 kW / non-dir to CeEu English Sun-Fri
1800-1830 on 9540 MOS 100 kW / 270 deg to WeEu English Sun-Fri

FEBA Radio 0800-0830 on 15260 MOS 100 kW / 115 deg to N/ME Arabic Radio Sama

Radio DARC 0900-1000 on 6070 MOS 100 kW / non-dir to CeEu German Sun

Radio Joystick 1000-1100 on 7330 MOS 100 kW / 283 deg to CeEu German 1st Sun

HCJB Voice of The Andes 1530-1602 on 13800 MOS 100 kW / 090 deg to CeAs Russian Sat
1602-1630 on 13800 MOS 100 kW / 090 deg to CeAs Chechen Sat



EQUATORIAL GUINEA

Radio Malabo (pres.) 6250 While testing a new USB cable to power the Perseus SDR with an XTPower power bank charger, was shocked to find a strong signal here at 0001 w/African Pop mx. Nonstop mx past 0045. M in song at 0034 mentioned Malabo clearly several times. Very glad to have it reactivated (if it is indeed Malabo) and hope it stays on. So far Brandon Jordan in TN noted it first. (Valko 27 July via HCDX)
It has been noted on air by listeners here. (Chief Ed.)

JAPAN

Frequency changes of Shiokaze Sea Breeze/Furusato no Kaze Shiokaze Sea Breeze
1300-1400 NF 5965 YAM 300 kW / 280 deg to NEAs vary, ex 7215 as follows
1300-1330 Chinese Mon; Japanese Tue/Sat; Korean Wed/Fri/Sun; English Thu
1330-1400 Korean Mon/Wed/Fri/Sat; Japanese Tue/Sun; English Thu
1600-1700 NF 6165 YAM 300 kW / 280 deg to NEAs vary, ex 6090 as follows
1600-1630 Chinese Mon; Japanese Tue/Sat; Korean Wed/Fri/Sun; English Thu
1630-1700 Korean Mon/Wed/Fri/Sat; Japanese Tue/Sun; English Thu
Furusato no Kaze
1405-1435 NF 7295 YAM 300 kW / 280 deg to NEAs Japanese Daily, ex
6165http://
(Via swldxbulgaria.blogspot.bg/2017/07/frequency-changes-of-shiokaze-sea.html)

KUWAIT

HFCC A-17 registration

5960 0200 0900 39,40	KBD 250 0 0 935 Ara KWT RKW MOI
6050 1600 2100 39,40	KBD 250 0 0 935 Ara KWT RKW MOI
7250 0800 1000 39,40	KBD 250 0 0 935 Fas KWT RKW MOI
9750 1100 1600 37,38	KBD 250 286 0 210 Ara KWT RKW MOI
11630 0930 1600 52,47-48	KBD 250 230 12 207 Ara KWT RKW MOI
13650 1700 2000 6,7,8	KBD 250 350 0 216 Ara KWT RKW MOI
15515 0500 0900 43,45	KBD 250 59 0 216 Ara KWT RKW MOI
15540 1600 1800 41	KBD 250 100 -10 217 Urd KWT RKW MOI
15540 1800 2100 27,28	KBD 250 310 9 211 Eng KWT RKW MOI
17550 2000 2400 6,7	KBD 250 350 0 216 Ara KWT RKW MOI
21540 0945 1730 27,28	KBD 250 310 9 211 Ara KWT RKW MOI
21580 1000 1200 50	KBD 250 84 0 216 Fil KWT RKW MOI

(Via Wolfgang Bueschel DXLD 19 July)

MOROCCO

According to Jean-Michel Aubier France and a mail sent by Abdellah El-Atmami from transmitting station Nador, Radio Medi 1 (Méditerranée) has stopped shortwaves forever: 24 hours on 9575 NAD 250 kW / 110 deg to NoAf Arabic/French 9575kNz
(Via SWLDXBulgaria News, July 11)



NEW ZEALAND

RNZ Pacific (RNZI) broadcasts at the following frequencies and times to different parts of the Pacific Region. Expect schedule changes from time to time to take account of propagation to our target audience.

NB: Every month on the first Wednesday is Maintenance day at our transmitter site from 2230 - 0600 UTC. (Thursdays 1030 - 1800 NZST) During this period there may be interruptions to our programmes. 26 Mar 2017 - 28 Oct 2017

UTC	kHz	Target	Days
02:59 - 04:58	11725	Pacific	Daily from 2 July
04:59 - 06:58	9700	Pacific	Daily from 2 July
06:59 - 10:58	7425	Pacific	Daily
10:59 - 12:58	7425	NW Pacific, PNG	Daily
12:59 - 18:58	6170	Pacific	Sat
12:59 - 16:50	6170	Pacific	Sun - Fri
16:51 - 18:35	6115 DRM	Cook Is, Samoa, Tonga	Sun - Fri
18:36 - 19:50	9760 DRM	Cook Is, Samoa, Tonga	Sun - Fri
18:59 - 19:58	9700	Pacific	Sat
19:51 - 20:50	11690 DRM	Cook Is, Samoa, Tonga	Sun - Fri
19:59 - 20:58	11725	Pacific	Sat
20:51 - 02:58	13840	Pacific	Daily

Bougainville/Papua New Guinea and Timor Transmission 1100 -1300 UTC

From 1100 -1300 UTC our programme is directed to the North Western Pacific and Asia. (Via Radio New Zealand International website).

GERMANY

New legal Shortwave Radio Service which will commence test transmissions. This station is fully licenced and is not a pirate. Full details will be announced by the station operators shortly prior to the launch of full programming. The signal will be audible throughout most of Benelux/UK/Ireland.

Test period: August 1-October 28. transmissions details: (English Mon-Sat)

1000-1200 on 6160 tx Lower Saxony, Germany ??? kW / ??? deg to NWEu

1200-1400 on 3975 tx Lower Saxony, Germany ??? kW / ??? deg to NWEu

1400-1600 on 6160 tx Lower Saxony, Germany ??? kW / ??? deg to NWEu

1600-1800 on 3975 tx Lower Saxony, Germany ??? kW / ??? deg to NWEu

1800-2000 on 6160 tx Lower Saxony, Germany ??? kW / ??? deg to NWEu

2000-2200 on 3975 tx Lower Saxony, Germany ??? kW / ??? deg to NWEu

Further info will follow soon. Contact/reports/audio/comments can be

sent either to: <3975@shortwaveradio.de> and <6160@shortwaveradio.de>; and

<http://shortwaveradio.de/http://swldxbulgaria.blogspot.bg/2017/07/new-shortwave-radio-service-which-will.html>

Trends in tropical bands broadcasting 2017

by Anker Petersen, editor of the Domestic Broadcasting Survey

Since DSWCI published its first Tropical Bands Survey in 1973, I have registered which stations are active, based upon loggings from our members and other DXers around the world. Here is an updated status where Clandestine and Pirate stations are **not** included.

Active domestic transmitters on 2200 – 5800 kHz

Region	1973	1985	1997	2009	2016	2017
Central Africa	102	76	40	18	8	6
Southern Africa	57	39	33	20	10	12
Middle East	9	4	1	0	0	0
Indian Subcontinent	62	45	45	29	17	14
South East Asia	40	29	21	4	1	1
Indonesia	171	105	65	13	5	4
China, Taiwan, Mongolia	119	110	75	32	19	18
CIS (former USSR)	61	59	47	7	6	6
Far East	38	28	28	9	10	10
Papua New Guinea	17	20	20	15	5	4
Australia and other Pacific	10	4	13	8	10	4
Central America, Mexico	21	23	24	5	1	1
Caribbean	29	3	3	2	3	3
Northwestern South America	98	41	19	3	2	2
Ecuador	47	33	22	5	0	0
Peru	78	69	78	28	9	6
Bolivia	35	42	25	14	5	2
Brazil	107	87	67	35	27	21
Southern South America	5	2	1	0	0	0
Total	1106	819	627	247	138	114

During the past year the previous trend, that Tropical shortwave stations slowly disappear, continued throughout the world. The reason is that other media get higher priority than keeping elderly shortwave transmitters alive. This year we had a big loss of 24 frequencies compared to last year's total of 138, particularly because the Australian Northern Territories and several South American stations ceased broadcasting.

Here are some domestic broadcasting stations on the Tropical Bands, which have closed down during the past year or so:

Freq	Station/Country	Last log	Freq	Station/Country	Last log
2325	VL8T, Tennant Creek, NT, Australia	01/17	4885	R Dif. Acreana, Rio Branco, Brazil	02/16
2485	VL8K, Katherine, NT, Australia	01/17	4895	Mongolian R, Murun, Mongolia	01/15
4409.8	R Eco, Reyes, Beni, Balliván Bolivia	02/16	4910	VL8T, Tennant Creek, NT Australia	01/17
4451.2	R Santa Ana, S.A.del Yacuma Bolivia	01/16	4914.9	R Dif. Macapá, Macapá, Brazil	11/15
4750	RRI Makassar, Sulawesi Indonesia	05/16	4940	R San Antonio, Villa Atalaya , Peru	07/15
4754.9	R Imaculada Conceição, MS Brazil	02/16	4990	AIR, Itanagar, Arunachal Pr. India	09/15
4755.5	The Cross R, Pohnpei Micronesia	05/15	5010	Voice of China Jamming China	03/16
4760	ELWA, Monrovia, Liberia	06/15	5010	R Taiwan Int., Kouhu, Taiwan	03/16
4780	R Djibouti, Dorale, Djibouti	02/15	5025	VL8K, Katherine, NT, Australia	01/17
4795.9	R Lipez, Uyuni, Potosi, Bolivia	08/16	5035.1	R Rio Mar, Manaus, AM, Brazil	07/16
4825	R Canção Nova, SP Brazil	02/16	5460	R Bolivar, Bolivar, La Libertad Peru	02/16
4835	VL8A, Alice Springs, NT Australia	01/17	(Anker Petersen, Denmark, 29 June 2017)		
4880	AIR, Lucknow, Uttar Pradesh India	03/16			

Thanks to Anker Petersen and DSWCI for permission to reprint this article, which appeared in the British DX Club's magazine 'Communications' last month.

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, 30th August**, 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

The next meeting will be held on **Saturday, 26th August** from 2-4pm
at Ian Wells' home, 16 Fenty Place, Mosgiel.
We're always happy to welcome new members – for further information, contact
David Miller 03 4763224 and Ian Wells on 021 2987146,
if possible, let them know that you're coming.

Market Square

Douglas Johns in Christchurch reports that while tidying up his QSL collection he has amassed a range of **SW programme and frequency schedules**, mostly from the 80s and 90s, but some from earlier times.

Rather than consign them to the landfill/shredder, it occurs to Douglas that someone out there may collect such things, and if so he would be willing to forward them on. Please contact Douglas at douglas-johns@xtra.co.nz

Drake SPR 4 - the Chief Editor has a Drake SPR4 for sale. It is currently on TradeMe and used to belong to Paul Ormandy. The set is in perfect working order and has just been serviced. The asking price is **\$500**. If it does not go, any offers should go to Paul Ormandy - paulz14tt@gmail.com

WinRadio G313e For Sale - \$700. This SDR has hardly been used and I have upgraded to an Excalibur. The G313e does not have the 'waterfall' screen, rather it has a pre-cursor to it. It works very well indeed (at least as good as my AOR7030+) with all the bells and whistles. The spec for the radio can be seen here: <https://www.winradio.com/home/g313e.htm> The DRM demodulator is licensed.

It has to run on a Windows based machine. Unfortunately it will not run on Windows OS run on a Mac, even with Parallels Desktop. Contact Stu Forsyth darfielddx@gmail.com

BROADCAST NEWS

Editor

Bryan Clark
Mangawhai

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MUCH ADO IN HAWAII; 3 STARS ON 612 AM

NEW ZEALAND We have confirmation from Dudley Scantlebury that the Gisborne Rhema station on 684 AM has closed down and the mast will be dismantled very soon. To take up some of the coverage of the old Gisborne AM station, Rhema broadcasts on 103.7FM in Gisborne and 92.5FM in Wairoa in Northern Hawkes Bay. The old Gisborne AM transmitter has been moved to Taranaki with Star using it at 5Kw on **612 AM**. So, there are now stations carrying the Star network on 612 at Christchurch, Nelson and Taranaki. (BC)

ALASKA

1020 KVNT Eagler River has applied for U1 with 10kw day & night. (NRC)
1430 KVHZ Wasilla now uses the slogan "Khitz 107.1". (IRCA)

ARGENTINA LR9 Radio America 1190 is definitely off the air and these days the frequency of 1190 KHz is free, thus becoming a true "DX channel". Radio América stopped transmitting because it lost its license, taken away by the National Communications Entity (ENACOM), which is dependent on the National Government. A public tender for the award of the license has recently been carried out and Radio Profile will soon begin operating on 1190 KHz from Buenos Aires. The goal of Profile is to launch a predominantly news radio in 2017. An idea that has been exploring for four years in FM format and inspired by the world's oldest news radio: WINS New York City on 1010, which completed 50 years as news radio in 2015 and has been the inspiration for hundreds of news radio stations around the world. The idea of a 100% news station is linked to the history of Radio América itself. Entrepreneur Eduardo Eurnekian acquired it in 1989, baptizing it with that name. Before it had been called Radio Antártida, Radio Malvinas Argentinas and, in its foundation in 1929, Radio Fénix. (Arnaldo Slaen, via mwcircle via IRCA)

AUSTRALIA In the last quarter of 2018, 3YB **882** Warrnambool will leave the AM broadcast band and be relocated to the FM broadcast band. This significant change has only been made possible with the support of Victorian Senator Mitch Fifield, Minister for Communications and the Arts and his support of AM/FM conversion across Australia in regional markets. The conversion was also made possible by the generosity and cooperation of the Vision Australia Radio Network who have agreed to swap over their FM frequency in exchange for a move to the current AM frequency, currently occupied by 3YB. Rowly Paterson said: "This is not only great for our listeners, but will also benefit our good friends at Vision Australia Radio Network, known for their support of people who are blind or who have low vision in our community. I would like to thank David Speyer and Conrad Browne from Vision Australia Radio Network for working together with us on this historic broadcast frequency exchange." (Ian Baxter mwmasts Yahoo Group via IRCA)

CANADA VOAR St Johns Newfoundland **1210** has been granted a move to FM 96.7. The CRTC has approved changes of ownership from NL Broadcasting to Newcap for the

following 3 British Columbia stations: CJNL Merritt on 1230, CINL Ashcroft on 1340 and CHNL-1 Clearwater on 1400. (IRCA)

690 CBU Vancouver BC has applied for U3 25kw day & night. (NRC)

CRTC has turned down applications for the following stations:

1190 New multilingual commercial station in Brampton ON – requests for 1,500 watts day/68 watts nights from Priya Datta, and 10kw fulltime from Antoine Karam. CRTC determined that Brampton cannot sustain a new station at this time.

1630 An application from Antoine Karam for a Commercial multilingual station for Ottawa Ontario 10kw days, 1kw nights has been declined by CRTC which has determined that Ottawa could not support an additional Ethnic station. (Dan Sys via IRCA)

In a recent submission to NRC's DX News magazine, Shawn Axelrod documents the gradual decline in the number of Canadian AM stations – from 330 in 2011 to 247 in 2016, a drop of just over 25%. Also, there are 21 application or construction permits outstanding to convert from AM to FM as of 30 June 2017. The Province of Prince Edward Island has no AM broadcast stations on air at all. In the North, the conversion from AM to FM is in high gear making it almost impossible to log an AM station from the three territories. The CBC is converting many of its relay stations to FM at a cost of \$30,000.00 to \$80,000.00 each. They claim it will be cheaper to go to FM than to replace the old AM transmitters and towers with new AM equipment. In Shawn's opinion CBC are using the poor condition of some AM equipment as an excuse to convert to FM regardless of the costs. (NRC)

COLOMBIA

1110 HJEW Tropicana FM, Cali, new identification since March, was "1110 AM".

1120 HJGH 24 Horas Radio, Bucaramanga, ex Bésame (since April).

1260 HJNO Bésame, Duitama, is "Torre Forte Radio" religious format since March, previously Oxígeno.

1300 HJLD Bésame, Pereira has dropped Q'hubo Radio since March. (Pentti Lintujärvi SDXL Facebook group via Mauno Ritola ARC via IRCA)

1580 HJQT Wepa Radio, Bogotá, ex Verdad Radio. This station is an on-line web station, now relayed on MW. Belongs to Radiopolis group. W: <http://www.wepa.com.co> (Rafael Rodríguez via Mauno Ritola, WRTH via IRCA)

FRANCE Radio France **162** longwave is now regularly operating with 1100kw, after a trial period at 800kw. The weekly maintenance break on Tuesdays has been rescheduled to 8am to 12 noon, so there are no night outages anymore. The CSA received 4 expressions of interest for broadcasting on 162 kHz. But none showed how they could sustain operations, lacking a business model to cover the heavy operational costs. As a result, CSA decided not to open formal allocation procedures that in the end would lead to nothing. (Kai Ludwig 18 June via WWDXC Contact 7/17)

HAWAII

790 KKON Kealakekua went silent 30 June due problem with programming source.

850 KHLO Hilo went silent 30 June due problem with programming source.

690 KHNR Honolulu granted STA (Special Temporary Authority) for reduced power (using U1 8kw – 9kw).

1040 KLHT Honolulu granted STA, using same site as KHKA-1500 (as below).

1130 KPHI Honolulu – Granted STA, U1 550/550, transmitter problems.

1460 KHRA Honolulu had its license reinstated June 30; had been deleted June 1 at licensee's request, but licensee has found a buyer. Station remains silent.

1500 KHKA Honolulu granted STA, U1 5kw day & night, has lost licensed site due to light

rail project but will use temporary tower just 75 feet away, coordinates 21-20-09/157-53-33. (All information thanks to NRC 'DX News' magazine)

MEXICO There's been a shakeup of stations owned by Radio Centro in Mexico City:

- 690 Previously La 69, now a combination of Radio Centro AM and El Fonógrafo.
 - 790 Previously Formato 21 – as far as I can tell the 50kW TX is being switched off.
 - 1030 Previously Radio Centro – as far as I can tell the 50kW TX is being switched off.
 - 1110 Previously Radio Red – now a combination of new News service & Formato 21.
 - 1150 Previously El Fonógrafo – as far as I can tell the 50kW TX is being switched off.
- (SDP Noticias, Mexico, via Grupo Radioescucha Argentino via Dan Goldfarb, mwmasts yg via mediumwave.info 21/5 via IRCA)

PAPUA NEW GUINEA Thanks to Timm Breyel (Malaysia) for posting to WRTH Facebook page an official announcement from NBC (June 29), titled "NBC increases coverage for the 2017 general election." NBC has reactivated three *medium wave* transmitters. They are at Vanimo (Sandaun Province), Lae (Morobe Province) and Kimbe (West New Britain Province), all done with the help of aid from the Australian government. "He [NBC Managing Director, Mr. Kora Nou] said people should have a clear radio service on the 'AM' band" and also "He said NBC is continuing to examine all its transmitters nationwide to see if it can also increase FM radio and TV coverage elsewhere in the country."

Sad to say the announcement never once mentioned SW radio (Ron Howard, Calif., July 3, dxldyg via Glen Hauser's DXLD Yahoo Group)

PERU OAU-7L Radio Andina, Juliaca, heard on July 19th at 0455Z on **1360.029** kHz. (Mauricio Molano, Spain via MW Offsets Yahoo Group)

RUSSIA These are currently the 18 active medium-wave stations in Russia: 2 in Moscow, 3 in St. Petersburg, the rest in the Far East.

Freq	Station Name	City/ Town	Region	Power
531	Autoradio	Yuzhno-Sakhalinsk	Sakhalin	5kw
612	Narodnoye (People's)	Radio Moscow	Moscow	20kw
684	Radio Radonezh	St Petersburg	St. Petersburg	10kw
738	WRN	Moscow	Moscow	5kw
765	Vostok Rossii	Birch	Khabarovsk	5kw
765	Vostok Rossii	Bikin	Khabarovsk	5kw
765	Vostok Rossii	Bogorodskoye	Khabarovsk	5kw
765	Vostok Rossii	Vyazemsky	Khabarovsk	5kw
765	Vostok Rossii	De-Kastri	Khabarovsk	5kw
765	Vostok Rossii	Komsomolsk-on-Amur	Khabarovsk	20kw
765	Vostok Rossii	Sovetskaya Gavan	Khabarovsk	5kw
765	Vostok Rossii	Troitskoye	Khabarovsk	5kw
765	Vostok Rossii	Khabarovsk	Khabarovsk	20kw
765	Vostok Rossii	Zimmermanovka	Khabarovsk	5kw
765	Vostok Rossii	Chegdomyn	Khabarovsk	5kw
765	Vostok Rossii	Berry	Khabarovsk	5kw
828	Radiogazeta Slovo	Saint Petersburg	St. Peterburg	10kw
1053	Radio Maria	Saint Petersburg	St. Peterburg	10kw

See full list in of past and present MW stations at <http://vcfm.ru/radio/radio.php?band=am> (Victor Rutkovsky in RusDX 928, via DXLD 7 June via BC-DX) Above list translated from Russian by Google Translate & BC.

TONGA According to RNZ International on 4 July, the Tongan Government proposes selling off 49% of the Tonga Broadcasting Commission to private ownership. Reports from Tonga indicate this is the result of a political feud between TBC and the Government, as TBC would not take direction from the Prime Minister. (BC)

VENEZUELA YVMR Deportiva Barquisimeto **690**, has returned to the AM band with a new name. It now belongs to "Circuito AM Center". The station was heard with a variety of musical styles – llanera, tropical – and identifications. This is good news as the station had been off the air for many months. (Via Mauno Ritola, WRTH 20.6.2017, translation Christer Brunström, ARC via IRCA)

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

- 570 WTNB Pinellas Park FL applies to extend STA, U4 5kw/10kw, due Cuban QRM.
- 690 WQNO New Orleans LA applies for license to cover CP to U2 with 2.1kw nights.
- 760 KFMB San Diego CA applies for U2 5kw days, 10kw nights. Has also applied to extend STA with reduced power at night.
- 860 KTRB San Francisco CA seeks to extend STA, U1 50kw/12.5kw from day site.
- 870 KPRM Park Rapids MN applies for license to cover for CP to U2 50kw/2.5kw and granted program test authority.
- 890 KDXU St. George UT applies to extend STA, U1 10kw/2.5kw during diplexing.
- 920 WDMC Melbourne FL applies for program test authority, CP U4 8kw days, 4kw nights, from new site.
- 1080 WHIM Coral Gables FL granted STA extension, U4 50kw/20kw, due Cuban QRM.
- 1110 KBND Bend OR granted STA, U1 10kw days, 1kw nights because unauthorized dirt bike track has damaged ground system.
- 1230 KBCQ Roswell NM had callsign change to KAFX on 20 July.
- 1230 KBNH Burns OR had change of callsign to KYQT on 4 July. Station is silent.
- 1320 KAWC Yuma AZ had callsign change to KOFA on 13 July.
- 1340 KVRH Salida CO had call change to KGKG on 29 June.
- 1400 WFLL Fort Lauderdale FL was granted program test authority for CP at new site.
- 1490 KQDS Duluth MN had callsign change to KJOQ on 30 June.
- 1520 KOKC Oklahoma City OK applies to extend STA, U1 10kw day & night from temporary tower. [Explains their continued mediocre signal here – BC]
- 1540 KXPA Bellevue WA granted STA, U1 5kw/1.25kw, due construction near transmitter site will disrupt night pattern.
- 1560 KGOW Bellaire TX applies for STA extension - U4 11,5kw days, 15kw nights from night site.

USA (info from IRCA's "DX Monitor bulletin)

- 590 WDIZ Panama City, FL now has Rock format, slogan "96 Rock".
- 640 WMEN Royal Palm Beach, FL new slogan: "640 The Hurricane"
- 1060 KFOY Sparks, NV format changed to Spanish Contemporary Hit Radio.
- 1200 WMIR Atlantic Beach, SC has change of callsign to WJXY.
- 1360 KWDJ Ridgecrest, CA now uses the slogan "Kool Gold".
- 1450 WBSR Pensacola, FL now is contemporary Christian format, slogan: "WOW Radio". KLZS Eugene, OR is currently silent.
- 1480 KPHX Phoenix, AZ is now silent.
- 1590 KVTR Victorville, CA format was regional Mexican, now Ranchera.
- 1660 WBCN Charlotte, NC has replaced Talk format with Classic Rock, new slogan: "94.7 Smoke".

KINGS OF THE KILOHERTZ

STUART FORSYTH Malaysia had a brief stay in Bali and managed a spot of DX listening. He says: "Interesting listening, with Aussies all over the lower half of the broadcast band at sunset, including 6WA, 5DN, R National Adelaide, 2CO, 3WV."

BRYAN CLARK Mangawhai has been regularly checking the band but feels conditions have been noisier than usual. An outage of RNZ National's 567 transmitter enabled some DX catches. Very pleased to finally get a readable identification on the distorted signal from Panama on 1530.

BRYAN'S BROADCAST TRAIL

BCM = Bryan Clark, Mangawhai with WinRadio G33DDC SDR & EWEs to NE, East & SE.

- 540 0817 SAMOA 2AP Apia fair w/island rhythms through Rhema 11/7. BCM
560 1256 USA KLAC Los Angeles CA w/sports talk 18/7 during planned outage by RNZ National Wellington. At 1301 gave "LA Sports" promo ident. Poor in noisy conditions. BCM
567 1501 GUAM KUAM presumed the American-accented news here 18/7 during outage by RNZ National Wellington. BCM
567 1503 JAPAN JOIK NHK 1 Sapporo w/news in JJ during same outage 18/7. BCM
570 1501 HAWAII KUAI Eleele w/country music, female anncr 18/7 during 567 outage. Surprisingly poor given how well other Hawaiians are heard. BCM
590 0953 HAWAII KSSK Honolulu w/block of commercials, then ident for "KSSK-FM and KSSK-AM" then into pops, fair 20/7. BCM
666 0922 AUSTRALIA 4CC here w/advts & pops // 927, over 2CN on my NE EWE, whereas 2CN dominant on the SE EWE 28/6. BCM
670 0953 CUBA Radio Rebelde on top w/SS talks, Latin rhythms // 5025 SW. Parallel 710 slightly better signal. BCM
740 0959 USA KTRH Houston TX w/ident: "News, weather and traffic...News Radio 7-40, KTRH" then news. Local weather at 1013 5/7. BCM
790 0719 CUBA Radio Reloj w/SS news, pips & CW code each minute, mixed US talker – likely KABC 16/7. BCM
1017 0815 TONGA A3Z Nukualofa vgd w/ local on 1026 notched, spoken prgm in Tongan 11/7. BCM
1098 1031 MARSHALL ISLANDS V7AB over Christchurch w/non-stop Pacific songs including some Maori tunes 5/7. BBC News from 1100:45. Some audio distortion apparent. BCM
1180 0610 CUBA Radio Rebelde synchros here w/strongest signal on 1179.997 25/7. Not hearing Marti lately. BCM
1220 0559 MEXICO XEB Mexico DF w/Latin standards, SS ident w/transmitter power and frequency info – fair, improving signal 18/7. BCM
1260 0955 USA KSUR Beverly Hills CA w/popular oldies eg Simon & Garfunkel, over/mixed Trackside 6/7. BCM
1270a 0557 ECUADOR Radio Universal first noted on off-freq 1270.091 putting het on 1270 on 21/7. Ident at 0619 helpfully deciphered by Rafael Rodriguez, MW Offsets Yahoo Group, as "Universal 12-70 AM no se pierda todas las novedades locales, nacionales e internacionales; mantente siempre informado...". BCM
1270 1008 HAWAII KNDI Honolulu with comprehensive identification annct 21/7. BCM
1300 1032 MEXICO XEP Ciudad Juarez w/ SS id: "Escuche XEP, 1300 AM..."

		radiorama...” fair over KKOL 20/7. BCM
1320	0927	USA KIFM West Sacramento CA w/ sports talk, ESPN promo 6/7. BCM
1360	0416	PERU Radio Bienstar Lima poor, improving signal, SS talks 25/7. BCM
1400	0839	PERU Ecco Radio, San Isidro Lima w/ SS ident & continuous soft Latin vocals 19/7. BCM
1440	1022	KIRIBATI Radio Kiribati w/promo for selfie competition, advt for Hideaway Lodge & Restaurant, full EE ident in EE, choir, closed at 1031 21/7. BCM
1470	0949	PERU Radio Capital Lima w/shouted “Viva el Peru” and SS station promo, all alone 19/7. BCM
1520	0922	USA KOMA Oklahoma City OK w/Red Eye Radio promo 6/7. Signal not as good as in past years. BCM [See USA news above for explanation. BC]
1530	0734	PANAMA Radio Avivamiento, Panama City w/orchestral music over The Wireless Station in Hawkes Bay. Spoken anncts are distorted but finally an ident caught at 0739 21/7, with translation help from members of the Real DX Yahoo Group. BCM
1540a	0557	PERU Turbomix on 1540.5 closed abruptly at this time on 1/7. Poor signal but superior to 1540 stations. BCM
1610	1001	ANGUILLA University Network ident w/ mailing address, poor in slop 13/7.
1630	0625	USA KKGW Dallas TX w/ident after continuous Contemporary Gospel mx.
1700	0714	USA KKLK Richardson TX w/frequent SS “Banda Trece” slogans, Latin pops. At 0800 3 stations fighting for ascendancy w/ESPN Radio 1700 ident for XEPE and “Fox Sports Trending” promo from KBBG 4/7. BCM
1710a	0614	ARGENTINA AM 1710 Selva audio traces on 1709.84. Also another Argie on 1629.828 on 13/7. AM 1710 measured at 1709.843 on 15/7 and 1709.881 on 17/7. BCM

BONUS TRAILS – What can our Chief Editor hear at home in Malaysia and from Bali? Stuart Forsyth keeps a web-blog recording his DX activity at <http://kiwidxr.blogspot.my> and posted the following trail there covering stations he could hear. I thought it was worthy of reproduction in this column. Stuart writes:

“Where I live, conditions on MW are very noisy - it cannot be avoided and you just have to live with it, annoying though it is. On nights of good reception, the signals come in so well that they override the noise and lots of good DX can be heard. Such a night was 20 July 2017. I turned on the radio and checked 531. Normally all I hear is noise, but I know that if I hear anything else I am in for a good evening.

I decided to do a broadcast trail and this is what is posted below. Reception started at 1445 UTC (10.45pm local). Things become even more interesting after 1700 UTC (1 am local) when a lot of the Chinese, Thai and Indonesian stations go off, revealing things lurking beneath. I don't like staying up late, so set the recorder going in the hope that something appears. Nothing much appeared this night, alas, apart from an interesting Chinese station I still have yet to identify.”

Freq	Time UTC	Details
531	1445	THAILAND – So. Wor. Thor. Tacheng mixed but fair
540	1446	THAILAND – Bangkok on top but mixed - fair
549	1447	VIETNAM – VoV2 My Van good with talk
558	1448	BANGLADESH – Bangladseh Betar Khluna good and clear
567	1450	LAOS – Lao National Radio vg with many mentions of Laos
576	1450	MYANMAR – strong sig, poor modulation Myanma R

585	1451	UNKNOWN – poor modulation v hard to follow.
594	1452	VIETNAM – VoV1 Da Nang fair but mixed
603	1453	CHINA – uncertain who. Definitely Mandarin and it was slow and deliberate speaking.
610	1454	VIETNAM – Ho Chi Minh City excellent strength
630	1456	VIETNAM – VoV1 Dong Hoi fair/ good but mixed
648	1456	VIETNAM – VoV1 Qui Nhon poor modulation – mixed.
675	1456	VIETNAM – VoV1 My Van fair and mixed
684	1457	UNKNOWN – big carrier silencing all noise v small and unidentifiable signal
693	1458	CHINA presumed. Fair but mixed and impossible to distinguish
711	1459	VIETNAM – VoV1 Can Tho – excellent signal and excellent at an hour after sunrise in Malaysia the next morning.
729	1503	VIETNAM – VoV2 Dong Hoi very good
738	1505	TAIWAN possibly – bad het from 740 even with narrow band filter
740	1505	VIETNAM – VOV2 An Nhon fair – suffered from het from 738
747	1506	INDONESIA – RRI Bengkulu good with news
756	1509	INDONESIA – mixed with prayer/ islamic chanting. Possibly RRI Prog 1 Purwokerto. Mixed with another – possibly Taiwan.
765	1510	CHINA – uncertain but possibly CNR5 Fuzhou (600 kw)
783	1511	VIETNAM – VoV2 Can Tho excellent with phone calls
801	1512	INDONESIA – RRI Pro 4 Medan – (close to here) excellent
819	1513	VIETNAM – VoV4 Buon Me Thuot fair with talk
864	1515	INDONESIA RRI Cirebon good with music on trad instruments and chanting
909	1516	THAILAND So. Wor. Thor.Surin Fair and mixed
918	1517	CAMBODIA – RNK Phnom Penh excellent as ever
954	1518	VIETNAM – Vinh Long Radio Can Tho. Fair but noisy. According to Pacific Asia Log it shouldn't be on, but it was. It definitely sounded VV
1017	1520	THAILAND (uncertain) – sounded Thai – fair sig
1026	1520	UNKNOWN – big carrier poor signal
1080	1524	CHINA – CRI Kunming – huge signal in Laotian. Gave web address as lao.cri.com
1215	1527	THAILAND – So. Wor. Thor. Surat Thani// 891. Fair. 891 (Nong Khae) poor.
1224	1530	UNKNOWN – huge carrier no signal
1242	1530	VIETNAM – VoV Ext. Sce Thoi Long – big signal
1269	1530	CHINA – CRI Xuanwei excellent
1287	1531	INDONESIA – RRI Palembang – always there, but not tonight!
1350	1532	PHILIPPINES – DWUN mixed with China or Taiwan - fair at best.
1359	1533	TAIWAN – Fangliao not there surprisingly
1368	1533	THAILAND – one of the So. Wor. Thors fair/ poor
1413	1535	INDONESIA – RRI Sungliat Reg. Prog 2 fair/ poor
1503	1538	TAIWAN – Fangliao good in Thai
1512	1539	INDONESIA - RRI Bukittingi terrible signal, unusually.
1530	1540	PHILIPPINES – DZME fair with relig prog.
1557	1540	UNKNOWN – poor/ fair and mixed – possibly Taiwan (usual suspect) and Thailand
1575	1541	THAILAND – Ban Phachi – excellent as usual
1593	1542	THAILAND possibly – So. Wor. Thor Ratchaburi fair.

Stu also posted a trail from his holiday in Bali. As mentioned above Aussies dominated in the early evening. From 6pm local time the Aussies fade in and there is a plethora of them. The trial below was indicative of what could be heard without really spending any time at it.

Freq	Time UTC	Details
531	1025	AUSTRALIA - poor/fair with talk. 6DL most likely as fits ABC prog format
540	1030	AUSTRALIA - mixed signal - most probably ABC 4QL
558	1030	AUSTRALIA - regular and good around sunset. ABC Radio, so must be 6WA
585	0942	INDONESIA - RRI Surubayah Pro 4 fair/poor in Indonesian
594	1040	AUSTRALIA - ABC Western Victoria (3WV) fair with regional news mentioning Ballarat
603	1036	AUSTRALIA - vg - ABC id given - unsure which one though - possibly 4JK
630	1055	INDONESIA - RRI Makassar Pro 1 - fair with talk
675	0943	AUSTRALIA - ABC NSW Regional Radio Corowa (2CO) with wx forecast for NSW - fair/good
702	0945	AUSTRALIA - ABC R National Sydney (2BL) //675 fair
729	0950	AUSTRALIA - ABC R National Adelaide (5RN) - good with item on the Pop-Up Globe Theatre
846	0939	AUSTRALIA - ABC R National Canberra - fair/ poor - may have been 6CA //702
855	1035	INDONESIA - RRI Pro-1 Mataram (on island next to Bali) good all day
873	1030	AUSTRALIA - 6DB relaying ABC Grandstand - Aussie Rules football - good // 675,702,
891	0940	AUSTRALIA - ABC R National Adelaide (5AN) fair/ good //702
999	1057	INDONESIA - RRI Pro 1 Jakarta - fair/poor with music
1080	1058	INDONESIA - RRI Pro 1 Bali - fair/noisy with talk
1098	1059	INDONESIA - unsure which as there was a large het on frequency
1206	1020	INDONESIA - excellent all day RRI Pro 4, Bali
1287	1022	INDONESIA - Possibly RRI Pelambang - vg with pops and some talk. Indonesia mentioned
1323	1140	AUSTRALIA - 5DN Adelaide vg with pops prog. Lot sof local ads and id given as Cruise 1323
1341	1145	CHINA - CRI vg in EE with jazz mx
1359	1140	TAIWAN - RTI Fangliao vg in EE



NORTH AMERICAN X BAND AT-A-GLANCE 07/2017 (thanks to Tony King)

1610	Carib.Beacon	Anguilla	ANG	EE	religious. Dr Gene Scott /Mrs Scott
	CHHA	Toronto	ON	SS	'Radio Voces Latina' Call in SS & EE. Distinctive chimes
	CHRN	Montreal	QU	QU	South Asian Format. Radio Humsafar
1620	KSMH	West Sacramento	CA	Rel.	"IHR (Immaculate Heart Radio) Sacramento"
	R Rebelde	(6 Tx sites)		CUBA	SS .Distinctive 5 note chime on hour. Sync echo.
	WNRP	Gulf Breeze	FL	News/Talk	ABC News "News Radio 1620"
	WDND	South Bend	IN	Nostalgia	"America's Best Music"
	KOZN	Bellevue	NE	Fox Sport	"The Zone"
	WTAW	College Station	-Bryan	TX	'Newstalk 16-20 WTAW' Takes C-to-C AM
	WDHP	St Croix		USVI	Nx/talk/gospel/country. Overnight NZT BBCWS.
	KYIZ	Renton	WA	Urban contemporary	//KRIZ " Z Twins"
1630	WRDW	Augusta	GA		"ESPN Augusta"
	KCJJ	Iowa City	IA	News-talk-AC	"The Mighty 16-30 KCJJ"
	KKGM	Ft Worth/Dallas	TX	'Modern gospel music	1630 KKGM' IRN News
	KRND	Fox Farm	WY	SS 'regional mexican'	ID "La Mexicana"
1640	KDIA	Vallejo	CA	Talk/religious/life issues	
	WTNI	Biloxi	MS	Sport.	"ESPN AM 1640 The Champ"
	KZLS	Enid	OK	News/Talk	
	KDZR	Lake Oswego	OR	Conservative Talk	"Talk 1640"
	KBJA	Sandy	UT	SS news/talk	EE ID "KBJA AM Super 1640"
	WSJP	Sussex	WI	Rel. Catholic.	Relevant Radio
1650	KFSW	Fort Smith	AR	Contemporary Christian	
	KFOX	Torrance	CA	Radio Seoul.	Korean/ EE ID on hour
	KBJD	Denver	CO	SS Rel.	Radio Luz
	KCNZ	Cedar Falls	IA	"The Sports Station"	1650 The Fan
	CKZW	Montreal	QU	Evangelical Christian	in FF x CJRS 06/16
	CINA	Mississauga	ON	Indian. "Seena Radio"	
	KSVE	El Paso	TX	SS Sports/Talk	ESPN."ESPN Desportes 1650"(850w o/n)
	WHKT	Portsmouth	VA	Conservative Talk	Radio "1650 The Answer"
1660	KBRE	Merced	CA	AOR (Album Oriented Rock)	x SS rel. x KTIQ
	WCNZ	Marco Is	FL	Relevant Radio	
	KWOD	Kansas City	KS	Sport/Talk	"Bison 1660"
	WQLR	Kalamazoo	MI	Fox Sport.	"Kalamazoo 1660, The Fan"
	WBCN	Charlotte	NC	Conservative Talk	. 'America's Pulse 1660'
	KQWB	West Fargo	ND	Fox Sports	
	WWRU	Jersey City	NJ	Korean	
	WGIT	Canóvanas	PUR	'Faro de Santidad'	SS Religious
	KRZI	Waco	TX	'KRZI ESPN Radio'	
1670	KHPY	Moreno Valley	CA	SS religious.	ESNE Radio
	KQMS	Redding	CA	"News Talk Superstation 1670 AM"	x KNRO
	WMGE	Dry Branch	GA	"Fox Sports 1670 Georgia"	x WPLA
	CJEU	Gatineau	QU	Community/Children's	Radio "Radio Oxygène 1670"
	WZOZ	Madison	WI	"CBS Sports radio	"The Zone"
1680	KGED	Fresno	CA	ID slogan	"The Answer"
	WOKB	Winter Garden	FL	Rel.	"WOKB Winter Garden-Orlando"
	KRJO	Monroe	LA	"Classic Hits 1680"	"LA105"
	WPRR	Ada	MI	Talk ID	"Public Reality Radio"
	WTTM	Lindenwold	NJ	World ethnic id	"1680 WTTM Lindenwold-Philadelphia"
	KNTS	Seattle	WA	SS Religious.	EE ID 00:10 after hour. "Radio Luz"
1690	KFSG	Roseville	CA	Rel. SS,RR,Hmong	EE ID on hr "KFSG Sacramento"
	KDMT	Arvada	CO	"1690 KDMT Denver's	Money Talk "
	WMLB	Avondale Estates	GA	Eclectic mix.	"Voice of the Arts" CBS News
	WVON	Berwyn	IL	Talk	
	WPTX	Lexington Park	MD	Adult Standards	
	CHTO	Toronto	ON	Multilingual.	Greek.
	CJLO	Montreal	QU	Campus community -	college station
	WIGT	Charlotte	Amalie	USVI	Religious.
1700	WEUP	Huntsville	AL	Urban contemp.	Gospel "Hunsville's Heritage Station"
	WJCC	North Miami Beach	FL	World Ethnic.	'Radio Mega 1700'
	KBGG	Des Moines	IA	"Des Moines all news 1700 KGBB"	
	XEPE	Tecate BCN	MX	"ESPN 1700" sports	
	WRCR	Ramapo, NY	NY	Ethnic	"Radio India"
	KKLF	Richardson-Dallas-Ft	Worth	TX	Tejano/Conjunto SS & EE " Kick 1700", "Banda 13"
	KVNS	Brownsville	TX	Fox Sports	Radio

TV/FM NEWS & DX

Editor

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Call for expressions of interest in FM broadcasting licences

Applications have been received for the following FM broadcasting spectrum licences:

- Centennial Drive (Whitianga) 95.1 MHz, licence number 258295.
- Lower Rataroa (near Thames) 106.0 MHz, licence number 258269.
- Croisilles Ridge (near Okiwi Bay – Marlborough Sounds) 105.9 MHz, licence number 258271.
- Takorika (near Havelock) 106.5 MHz, licence number 258413
- Grampians (at Nelson) 105.6 MHz, licence number 258268.
- Hollow Top (near Ward) 105.9 MHz, licence number 258270.
- Wallace Peak (near Hanmer Springs) 106.1 MHz, licence number 258414.

The Ministry is seeking expressions of interest in these commercial FM licences, closing 5pm on 31 July 2017. Following this, a decision will be made regarding which licences can be allocated by direct sale and which by a competitive allocation process.

(Radio Spectrum Management Business Update – July 2017)

Update from Gordon Mathieson

HAMILTON

87.9	3ABN	98.6	The Hits
88.2	Radio Spice	99.4	The Breeze
89.0	Free FM	100.2	Radio Live
89.8	ZM	101.0	RNZ National
90.6	Raukawa FM // Tokoroa 95.7	103.4	Niu FM
91.4	Concert	105.0	Coast
92.2	More FM	105.8	Mai
93.0	The Rock	106.7	The Hum
93.8	The Sound	106.9	Radio City (Hindi)
94.6	Life FM	107.1	O.C. (with loud harmonic, was Max FM)
95.4	Radio Tainui	107.3	George FM
96.2	Hauraki	107.5	Radio Mehfil
97.0	Newstalk ZB	107.7	S.M. Classics (Hindi - was Beerescourt's Easy Listening - now gone.)
97.8	The Edge		

RAGLAN

88.2	The Tractor	106.8	The Tractor // 88.2
98.1	Raglan Community Radio	107.7	RAG FM

no sign of Rush FM 87.7 in either Hamilton or Raglan

Upper Coromandel Peninsula - Thames

88.0	Gold FM	106.7	More FM // 97.2
90.8	The Breeze	107.1	Sea FM
92.4	Nga Iwi FM	107.4	Big Valley Radio
97.2	More FM		

COROMANDEL

89.1	More FM	96.4	Gold FM
92.2	Nga Iwi FM		

MATARANGI

94.0	More FM		
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OPITO (east of Kuaotunu)

106.7	More FM		
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WHITIANGA

87.8	RNZ National	99.1	Gold FM // 96.4 (this originates from Waihi)
88.2	LFM	105.5	The Rock
90.3	More FM	106.9	Sea FM
96.7	The Breeze	107.4	LFM (Hahei) // 88.2
97.5	Classic Gold		

TAIRUA

90.7	The Breeze	100.3	Sea FM
93.9	More FM		

no low powers in Tairua or Coromandel

Commercial Radio celebrates further audience growth - Survey 2 – 2017**TOTAL NEW ZEALAND**

Commercial Radio Audience Measurement survey shows 3.35 million people, more than 80% of New Zealanders aged 10+ listen to commercial radio each week.

Survey 2 2017 has shown that commercial radio continues to thrive, delivering compelling results across key demographics. Highlights include:

- People 10-17: 75.3% listen each week
- People 18-34: 80.5% listen each week
- People 25-44: 84.7% listen each week
- People 25-54: 84.8% listen each week
- People 45-64: 83.2% listen each week
- People 55-74: 79.8% listen each week
- Grocery Buyers: 83.1% listen each week

The CEOs of both major commercial radio companies were pleased to see today's results.

The table below shows the ranking of the major commercial Networks by Weekly Reach, Station Share and Breakfast share across all people 10+ and the key 18-34 and 25-54 demographics.

Table 1: GfK New Zealand Commercial TOTAL NEW ZEALAND Survey 2 2017 total Cumulative Reach and Total Station Share (Mon-Sun 12mn- 12mn) and Station Share Breakfast (Mon-Fri 6am-9am)

Table 1: GfK New Zealand Commercial TOTAL NEW ZEALAND Survey 2 2017 total Cumulative Reach and Total Station Share (Mon-Sun 12mn- 12mn) and Station Share Breakfast (Mon-Fri 6am-9am)

TOTAL NEW ZEALAND	Weekly Cumulative Reach ¹		Total Station Share ²		Breakfast Station Share ³	
	000's	Rank	%	Rank	%	Rank
All People 10+						
Network The Edge	647.2	1	7.5	4=	7.3	4=
Network Breeze	521.6	2	8.2	2	7.6	3
Network More FM	513.8	3	7.3	6	8.9	2
Network Newstalk ZB	502.3	4	10.3	1	13.4	1
Network ZM	486.8	5	6.4	7=	7.0	6
Network The Rock	428.2	6	7.9	3	7.3	4=
Network Coast	412.9	7	7.5	4=	5.8	7=
Network Mai FM	401.5	8	5.4	9	5.8	7=
Network The Hits	395.1	9	5.3	10	5.2	10
Network The Sound	338.3	10	6.4	7=	5.4	9
All People 18-34						
Network The Edge	295.7	1	12.9	2=	12.2	4
Network ZM	246.7	2	12.9	2=	15.5	1
Network Mai FM	214.6	3	11.5	4	13.3	2
Network The Rock	182.7	4	13.1	1	13.0	3
Network More FM	132.7	5	6.0	6	5.6	5
Network Breeze	119.2	6	6.2	5	5.2	6
Network The Hits	115.8	7	5.5	7	4.6	7
Network Flava	103.8	8	5.0	8	3.2	10=
Network Radio Hauraki	85.1	9	3.7	10	3.7	8
Network George FM	74.5	10	2.4	12	1.6	14
All People 25-54						
Network The Edge	336.4	1	8.7	2	8.9	3
Network The Rock	290.8	2	11.6	1	10.8	1
Network More FM	283.2	3	8.6	3	9.8	2
Network ZM	271.9	4	7.9	5	8.8	4
Network Breeze	266.4	5	8.2	4	8.1	5
Network The Hits	209.9	6	6.3	7	5.9	9
Network Mai FM	202.3	7	5.7	8	6.5	6
Network The Sound	192.1	8	7.2	6	6.1	7
Network Newstalk ZB	167.7	9	4.5	9	6.0	8
Network Radio Hauraki	149.8	10	4.1	10	3.7	11

¹ The number of different listeners reached by each commercial station Mon- Sun 12mn-12mn

² The percentage share that each commercial station has of the total commercial listening Mon-Sun 12mn-12mn

³ The percentage share that each commercial station has of the total commercial listening Mon-Fri 6am-9am

(GfK, 6 July 2017, www.gfk.com/en-nz/insights/press-release/commercial-radio-total-nz-survey-2/)

UTILITIES

Editor

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Ashburton

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This month we welcome Roger Abbott from Inverell, New South Wales to the Utility section. # against a frequency indications that the logging was made using the League's SDR.

FREQ UTC DETAILS OF TRANSMISSION

2524 0735 AUSTRALIA Tasman Marine with weather. At 0758 standing by for position reports (none heard). Next sked announced for 0745 tomorrow; vg 8/7 JWO

5450# 0508 RAF volmet weather reports poor to fair 9/7 AD

5628 0850 Tokyo R to United 78 poor -fair 8/7 JWO

6565 0854 "Adelaide 671" flight level report. Presumed Vbrisband Regional/Domestic Air Route Area. Heard several evenings on this freq, up till mid evening. 18/7 JWM

6676 0931 Australian Volmet Good signal 25/7 RA

6754 0938 CANADA Air Force met reports, f-g 1/7 JWS

8743 0945 Asian language, female voice presumed Maritime Wx from Bangkok good signal 25/7 RA

8764 0935 USCG Chesapeake, male computer generated voice, fair 8/7 JWO

8812 0938 VIETNAM Ho Chi Minh R, tent, female announcer, fair – good in presumed Vietnamese 8/7 JWO

8828 0951 Auckland Volmet 25/7 RA

8867 0400 Fiji940 in contact with Auckland selcal check fair 9/7 ABD

8891 0700 Gander R (f-g) to Delta 159 (poor – very poor) echo-ey audio; 1/7 JWS

8891# 0407 Gander Radio calling Delta 446 fair 9/7 AD

8957 0658 Shannon volmet with reports for Turin and Lisbon fair 1/7 JWS

10051 0717 New York Air with met reports for Bermuda, Miami, Nassau, Orlando & Atlanta, all of which were missing, so very short reports! fair 8/7 JWO

11387 0501 Australian coastal waters weather reports poor 9/7 ABD

CONTRIBUTORS

RA	Roger Abbott	Inverell, Australia	Alinco DX R8 and Kenwood TS140S; 200 ft inverted L fed with a 9:1 balun
JWS	Jonathan Wood	Shag Point	Icom R75, Lowe HF150, ELAD DuoR using 22 and 46m dipoles.
JWO	Jonathan Wood	Orokonui	Icom R75, Lowe HF150, ELAD DuoR using 19 and 26m dipoles.
JWM	Jonathan Wood	Mosgiel	Icom R75, Lowe HF150, ELAD DuoR using 19 and 26m dipoles.
ABD	Arthur De Maine	Ashburton	Icom R71E using a 30 foot long wire.
AD	Arthur De Maine		using the League's Northland SDR.

Arthur

ADCOM REPORT

Editor

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Ashburton

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WELCOME to new member Roger Abbott of Inverell, NSW, Australia. Roger is returning to the hobby after a break of 25 years. Enjoy your time with us. Also we welcome Mike Fokker from Trentham, Upper Hutt who is rejoining the League and is keen to get back into the hobby. Good to welcome back past members.

We regret to inform members that long time member and Life member Peter Grenfell has passed away recently. The League sends its condolences to Jill and the family. Tributes to Peter are to be found elsewhere in the magazine.

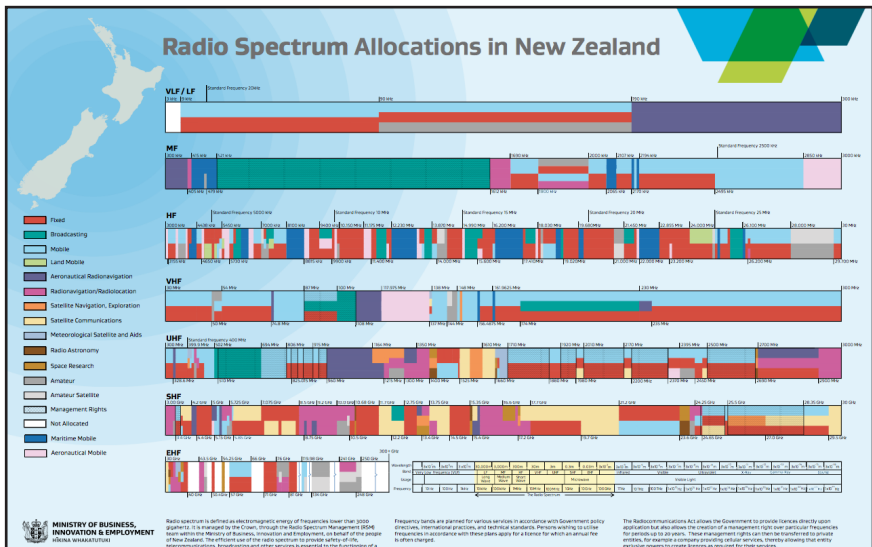
ANNUAL GENERAL MEETING - the League's 69th Annual General Meeting will be held on **SUNDAY 5TH OF NOVEMBER 2017** (no fireworks provided) at Lochlea Lifestyle Resort, Ashburton commencing at 2.00pm. The meeting will be held in the Lodge or the League President's villa, depending on the number of members that indicate that they will attend. Further information in the September and October DX Times. South Island members this is your chance to attend an AGM and meet other members. Any remits are to be the hands of the National Secretary by the 10th of September 2017.

Radio Spectrum Management has released new web pages on frequency allocations in New Zealand. Check out:

<https://www.rsm.govt.nz/online-services-resources/publications/pibs/21>

and <https://www.rsm.govt.nz/online-services-resources/publications/nz-allocations-chart>

The latter is an attractive chart as you can see below.





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, July 2, 2017 -- Following up on the information we posted last time about RCA's international non-broadcast facilities, under "DX History/Stations" we have added a collection of world map postcards promoting the "Worldwide Wireless" messaging capabilities of RCA Communications, Inc.

< www.ontheshortwaves.com> Update, July 9, 2017 -- Under "DX History/Lists, Logs, Guides & Columns," we have posted a very nice "Radio Log & World War Map," distributed by David Spencer, Ltd., an appliance dealer in Vancouver, B.C., and promoting General Electric Radiotron tubes. With the reminder to "Keep Tuned to the Empire," it contains info on the company's radio repair service, a time zone chart, tips on getting good reception, and a list of American and Canadian broadcast band stations. The best part is the map, which is 19x24" in the original. On the map borders are lists of the world's principal shortwave stations, set out in three ways: by call letters (left hand side), by frequency (right), and by city (bottom). If you zoom in you can read the labels that identify numerous events of the war up to the time the map was published, which appears to be mid-1941. Examples: "DeGaulle welcomed at Douala [Cameroon], Oct. 10 - 40," "Germans scuttle Graf Spee, Dec. 17 - 39," "Nazi Battleship Bismark sunk, May 27 - 41," "The Germans invade Poland, Sep. 1 -39," "British & Free French invade Syria, June 8 - 41," etc.

< www.ontheshortwaves.com> Update, July 16, 2017 -- Under "DX History/Stations" you will find an info sheet and QSL dating from 1938 from what was later known as Radio Denmark. The call letters, OZF, and the station's well-known frequency, 9520 kHz., became familiar to shortwave listeners everywhere, especially after 1948, when the station went from 6 kw. to 50 kw. OZF came into regular use in the mid-1930s. For some radio-related Danish philately, check out < http://www.ontheshortwaves.com/Philately/Denmark_FDCs.pdf> -- And under "Specialized Resources/Wavescan," we have three new entries from Adrian Peterson: (1) "The Radio Scene on Snake Island [Puerto Rico]" (Wavescan N434, June 18, 2017); (2) "The Radio Scene in European Turkey" (Wavescan N435, June 25, 2017); and (3) "World's Largest QSL: A Booklet from South America [YV1BC, Venezuela]" (Wavescan N436, July 2, 2017).

< www.ontheshortwaves.com> Update, July 23, 2017 -- When I was in high school, starting out in DXing, my greatest SWBC thrill was afternoon reception from Africa, especially Angola. On the east coast the Angolans faded in not long before sign off, and signals were decent; they could usually be identified even before they closed down with the playing of "A Portuguesa," the national anthem of Portugal. They were good verifiers too. But at their best they never produced signals like those heard by Colin Miller, who was living in South Africa at about the same time, learning about shortwave and DXing. Colin often recorded his reception, and under "Specialized Resources/The DX Recordings of Colin Miller," we are pleased to present an initial group of those recordings, specifically from Angola and Mozambique. These were made in the 1970s. We hope to offer more in the future. Thanks, Colin. -- Also under "Specialized Resources," we have three new "Wavescan" articles from Dr. Adrian M. Peterson: (1) "BBC Far Eastern Relay Station-Pt. 3: Supplementary Relay Service in Tokyo" (Wavescan N437, July 9, 2017); (2) "California QSL-Cards in Red, White and Blue-2" (Wavescan N438, July 16, 2017); and (3) "Australian Shortwave Callsigns VLM" (Wavescan N438, July 16, 2017).