# **COMMUNICATION**

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#### **Contents**

2-3	News from HQ	28	Radio Mi Amigo RSL	40-44	DX News
4-5	Open to Discussion	29	Webwatch	45-46	<b>Beyond the Horizon</b>
6-7	Twickenham Meeting	30-31	S European Report	46-49	MW Logbook
8-11	DXing in the 1970s	31	Propagation	50-51	Tropical Logbook
12-21	40 Years of BDXC!	32-34	QSL Report	51-61	HF Logbook
22-23	Listening at Sea 1970s	35	Radio Australia	62-66	<b>Alternative Airwaves</b>
24-26	Listening Post	36-37	UK News	67	Contributors
27	Collectors' Corner	38-39	MW Report	68	QSL Gallery 1970s

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#### Happy 40th Anniversary to the British DX Club!

40 summers ago who would have foreseen that The Twickenham DX Club would become respected around the world by the DX community; a club which would grow and outlive many of the radio stations that it monitored in its early years?



There are several members from 1974 who are still with us on this ever evolving radio journey - who saw TDXC become BDXC and who helped *Communication* grow in size from three pages of typing to the 60 plus pages of news, logs, and photos that it is today- in print and in electronic format. Holding regular social events and meetings for members to discuss radio has also long been another part of the club's success through the decades.

Many DXers have passed through the various membership secretaries' in-trays, and some have sadly passed on. But the success of the BDXC is due to all members past present and future. Thanks to all those who have sent in messages of congratulation as we reach 40 years of BDXC.



This special 40<sup>th</sup> anniversary issue looks through members' eyes at the DXing scene back in the 1970s, both on land and at sea. There is a healthy dose of nostalgia, looking back into the rich heritage of radio and the club itself. But as ever, we look at the present and the future too, with the latest news and events, logs and observations. It is very difficult to predict what might be written here in another 40 years; 2054 looks like a date from science fiction, but there will surely still be radio broadcasters out there, and DXers of the future, to listen, log and enthuse on our shared love of radio.

Congratulations to the BDXC and Good Listening!

- Alan, Andrew, Chrissy, Dave & Mark (BDXC Board)

Next contribution deadline: Wednesday, 24 September - see page 67

#### **Publications**

**Broadcasts in English - Summer edition (A14)** Extra copies available while stocks last: priced: UK £3, Europe £4, €5 or 5 IRCs, Rest of World £5, US\$7 or 6 IRCs.

Radio Stations in the United Kingdom - 24th edition (2014) BDXC's comprehensive guide to MW and FM radio stations in the UK and Ireland. Prices include postage: UK £4 (two copies £7), Europe £6, €8, 7 IRCs (two copies €12), Rest of World £7, \$12 or 8 IRCs.

**Reception Report Forms** - English language forms, featuring the BDXC logo, suitable for sending reports to most broadcasters. Price per 25. UK £3; Overseas: £5, €6, US\$8 or 7 IRCs.

Please send all orders (UK cheques/ Postal Orders payable to "British DX Club") to:

British DX Club, 19 Park Road, Shoreham-by-Sea, BN43 6PF (\$ or € - cash or Paypal only) All prices above include postage.

Paypal payments to bdxc@bdxc.org.uk (please add 5% to cover Paypal fees).

Payments also welcome by bank transfer - please email for account details.

#### **British DX Club Membership Rates**

<u>One year:</u> <u>Two years:</u> UK £17 £33.00

Europe / Worldwide (Airmail) £30 / €38\*\* / \$48\*\* £59 / €74\*\* / \$95\*\* PDF version only (via email) £10 / €12\*\* / \$15\*\* £20 / €24\*\* / \$30\*\*

Please make Cheques/Postal Orders payable to **British DX Club**. All applications and renewals to club treasurer (see front page for address). \*\*Payments in Euros or US\$ - cash / Paypal only. Paypal payments should be sent to bdxc@bdxc.org.uk (please add 5% to cover our Paypal fees) Renewals also welcome by bank transfer at no extra cost - please email for account details.

### **DX Diary**

**1-30 September 2014:** AWR 2014 DX Contest: "Rare, Unusual, Unique QSLs" - see full details in August's Communication pages 16-17.

**Friday 19 to Monday 22 September:** *2014 European DX Council Conference* in France. Several BDXC members will be attending. Details at <a href="https://www.edxc.org">www.edxc.org</a>

**Saturday 4 October:** *Reading DX meeting* (Reading International Radio Group) 1430-1700 BST in room 3 at Reading International Solidarity Centre (RISC), 35-39 London Street, Reading RG1 4PS. Tel: Mike Barraclough 01462 643899 E-mail <a href="mailto:barraclough.mike@gmail.com">barraclough.mike@gmail.com</a> (Future Reading meeting dates: 13 December 2014, 21 February 2015, 25 April 2015)

For other events see also the club website www.bdxc.org.uk and www.rsgb.org/events/index.php

#### **New Members**

A warm welcome to the following new members:

BDXC 2403 Henk Stelte, Utrecht, Netherlands BDXC 2404 Antti Ylisoski, Helsinki, Finland

Front/Back pages A selection of QSLs from the 1970s to celebrate 40 years of the club!



# **Open To Discussion**

with David Morris - mailbox@bdxc.org.uk



It seems like a busy time in radio land, what with Radio Nord being heard loud and clear on 6065, Steam Fair FM, my favourite UK RSL, from the Great Dorset Steam Fair booming in with a much better signal than previous years, 40 years of the BDXC, and 40 years since the closure of RNI and Veronica.

And if that is not enough to keep you occupied, here is OTD with an opening comment which is typical of many: **IAN BIGGAR** writes to "say thanks to you and the team for doing such a fantastic job producing a first class read every month. Even though, like everyone else, I am now overloaded with information, it is almost a relief for that white envelope to drop through the door every month. I <u>always</u> find something of interest within those pages. Please try and resist the temptation to convert to an on-line version, although I know it would being many benefits in terms of producing the magazine. I sound like a technophobe, which I am not. I suppose there are just some traditional aspects that I hope will be preserved."

We have a few radio presenters in our midst and **JULIAN WATSON** tells us he "had some time today so I transferred the highlights of another TWR DX special - this one was from Saturday, 21st April 1984 at 2.30 pm. Compared with the previous recording [heard on BDXC Audio Circle] this one did have some reception dips - it was also the transfer over to BST from GMT.

We also made a programme for May of that year - we sent it to Monte Carlo but it didn't go out as the Germans decided to pull funding for the 15 minutes of transmitter time. I think RMC charged about £300 - £500 per quarter hour at that stage. I believe Peter Hamm (the main presenter) is still about in Lewisham, although he left them when they moved out of London to Biggleswade - I'll have to knock on the door next time I'm in the capital to see if he kept any archives from the studio. As for me, I was just very young and somewhat in awe of being part of the radio experience in London, coming as I did from rural Wiltshire. I suppose it was my star turn on SW! I do remember having a very sore throat on that day of recording, and I noticed my voice slightly breaking at the end - just the adrenalin keeping me going...

The show is about 11' long [it will feature on the September/October Audio Circle programme presented by Gary Drew]. Some buzzes were also due to the fact my parents had the TV going downstairs, which did have an effect on both the short wave and MW from Monaco. I've also attached pictures of the source tape, transfer process and the very Toshiba radio cassette mentioned in the programme. The old workhorse still plays radio great, but the cassette motor wore out a few years ago."

Unfortunately, the photographs would not reproduce clearly, but you can do the next best thing, and that is to listen to the September / October edition of the BDXC Audio Circle – details in the magazine next month but available before then on the BDXC Yahoo email group.

Julian finishes by saying he remembers from an earlier edition of Communication there was a reference to a member called **ANDY MARTINUYK** from Moscow. If Andy would like an audio

copy of a penpal request he made to Radio Luxembourg in 1990, please contact OTD.

**DAVID CRYSTAL** writes from Israel and makes observations with regard to the Tecsun PL-360 and the Kaito KA1107 (pictured). If your main receiver when you are on holiday is the Tecsun, I suggest you obtain a Kaito KA1107 as it is almost ultralight, it is dual conversion, and it has an external aerial jack. The Tecsun is best with strong signals and known frequencies. Thanks to a sensitivity switch you have at least seven antennae with the Kaito.



On each frequency, you should try more than one antenna. This concerns dynamic range. Dynamic range costs money. By trying out several antennae on each frequency, you get true reception and you do not have to pay for dynamic range." David concludes by saying you should find the Kaito less expensive than the Tecsun.

To have been a broadcast journalist and have a short wave transmitting facility named after you, is some going! **DAVID ANSELL** from Horsham sends a copy of a fascinating article. "The Greenville (USA) Edward R Murrow shortwave broadcast facility 'supports the mission of the Broadcast Board of Governors to 'inform, engage and connect people around the world in support of freedom and democracy' through approximately 2200 hours of transmissions each month. Most of these transmissions are provided in Spanish for Radio Marti, the radio broadcast arm of the Office of Cuba Broadcasting. The station also supports the Voice of America mission with Creole, English and Spanish transmissions to Latin America, and English and Portuguese to Africa.

The Greenville Transmitting Station was formally dedicated by President John F Kennedy on 8 February 1963, and re-dedicated as the Edward R Murrow Transmitting Station in October 1968 in honour of the renowned wartime broadcaster and director of the USIA. The broadcasting complex in Greenville was originally designed with three facilities triangulated around the city of Greenville, consisting of two identical and independent transmitter sites referred to as Site A and Site B, and a programme distribution and receiver facility designated as Site C. The Site C facility was closed in 1995. The A Site transmitter was decommissioned in 2006.

The station is equipped with eight high power shortwave transmitters. Five of the eight are rated for operation at 500 kW, and three are rated for operation at 250 kW. However, all eight transmitters are operated at 250 kW in order to reduce the station's operating budget. The station is also equipped with approximately 40 broadcast antennas. The antennas are placed in an arc around the main building area to provide coverage between approximately 03° and 305° with respect to true north. The variety of antenna structures provides the station maximum flexibility for reconfiguring mission requirements and target areas."



From a worldwide high power site, to a very low power installation covering only a few square miles the photograph shows what will be the studios of Quay FM, Alderney. Not only do they need a few cans of paint, but the boarded up windows need some attention – and the inside . . . don't ask!

The current issue of the Alderney Press has two articles about Quay FM, the first of which is the announcement of the public training programme.

The second article provides an interesting insight into the connection between West Africa and a small Channel Island. "Quay FM has an associate radio station in Sierra Leone, Capital

Radio SL, covering about 70% of the country. The association came about in 2006 when the station was put on the air by two consultants who were Quay FM staff members. Liking the style and format of Quay FM the new Capital Radio sought permission to make use of the Quay FM computer database to build their own. Now each station acts as a back up to the other.

Several years ago, the Quay FM computer failed largely wiping out the database. However,

thanks to an immediate emergency feed from Capital Radio, the Quay FM database was restored and Alderney's own radio station was back on air within hours.



Quay FM's Colin Mason returned from

a regular visit to West Africa last week and says that Capital Radio is heavily involved in broadcasting daily reports on the Ebola situation."

# Kilohertz, Cakes and Curry: BDXC 40<sup>th</sup> Anniversary Twickenham Gathering Report

Our traditional summer meeting in BDXC's original home town took place on Saturday 2nd August. In a locale awash with popular music history, this leisurely event has proved an annual hit with members and friends of the club since the start of the new century. However, it also recalls the early years of the club, when we held bi-ennial general meetings in "Twickers", and later popular evening meetings in several of Twickenham's wealth of historic pubs.



<u>left to right</u>: Alan Pennington, Mike Barraclough, Mike Terry, Klaus Werner, Tony Rogers, Gareth Foster, Michael Blake, Darren Rozier, Simon Guettier, Chris Greenway, David Morris, Alistair Blackett, Gordon Pilling, Alan Roe, Dave Kenny, Mark Savage and Ian Kelly.

The twenty or so folk who popped along to the centuries-old Barmy Arms between 'start of transmission' at 3 in the afternoon and 'closedown' about 10.30 pm mostly make an appearance in the group photo above - another Twickenham meeting tradition - with the waters of Old Father Thames and the famous Eel Pie Island as a scenic backdrop.

As ever the conversation seemed to flow as freely as the Thames. Topics this year included one started by Chris Greenway, when he gave some statistics as to the continuing decline in shortwave listening even in areas of Africa where it was once the norm. Darren added his own experiences to the conversation, following another of his regular trips with his church to Uganda. The apparent decline in SWLs was put down to the increasing practice of domestic FM re-broadcasting of international broadcasters, notably BBC World Service, and the phenomenal growth of mobile media, even in the most challenging of RF territory. Many agreed that increasingly, DXing is becoming more of a 'heritage hobby'- but this was no wake.

Enthusiasm for first catching, and then listening to the unusual or the hard to hear remains as strong as ever. And those present ranged in age from their 30s to their eighties. Gordon Pilling's attendance along with his wife Marlene at the meeting came about through serendipity. Amazed to see the couple featured on our local paper's website the previous day (as they'd won a 'Cathedral Express' steam train trip), I couldn't resist driving over to nearby Cranford to deliver an invite, and was so pleased when they turned up, much to the surprise of many. Gordon and Marlene were renowned for their hospitality and gifts - many a radio station favoured them with prizes which often used to be passed on to members at meetings

right: Mike Barraclough and Gordon Pilling.

In an impressive quiz compiled by Chris, there were "Forty Questions for Forty Years". As well as multiple-choice questions, some were multi-part, such as match the presenter with the international radio station they were associated with. The musically-minded were also asked to put a name to those famous station sig tunes - I bet Gordon, a well-known Albaniphile, was able to name Radio Tirana's. I, like many I suspect, just guessed - but still (rather embarrassingly) got the top score. It seemed only fair and humble to let others choose their prize before I picked



up a morse key as my own. Thanks to David Morris for providing many of the prizes.



left: Quizmaster Chris Greenway

Apart from people, there was also a rare exarchive appearance by several early editions of *Communication* at the meeting sadly not including the elusive second issue. These aided an outpouring, of course, of nostalgia- yet also familiarity, as it was recognised that some of those stations still around from 1974 even occupy the same frequencies today.

You only turn forty once, and this proved to be a perfect 'birthday party'. Not just for the club but for lan Kelly too, a little older than 4-0 but who just happened to be celebrating his own birthday that very day. There was the obligatory "Happy Birthday" sung and then not just one but two birthday cakes, including one which I'd attempted to 'crown' with a mock up of a typical 'Communication' cover. As it happens, the typeface my computer chose to present "Communication" in proved to be the same one used in the club's earlier days!

Sadly, some of our 'regulars' with family commitments could not make it this year during the school holidays - though Andy Guy did send text greetings to the meeting by text from a Dover ferry terminal while en route to Italy! On the other hand, it was great to have Tony Rogers with us this year. Tony was Communication's editor for many years, and still provides us with excellently researched guides and articles for both magazine and website.

A superb meal was enjoyed at the Delhi Durbar where the conversation turned to some of the great personalities of radio, men such as Tommy Vance, and to BFBS – we were particularly pleased that BDXC member and BFBS DJ Simon Guettier was able to join us this year - and also to Radio Jackie, another creation of the seventies in this part of the Thames Valley.

To cap a perfect day, those not dashing off for trains had one final pint at The Barmy Arms, and even got a free firework display from somewhere over Eel Pie Island. A balmy finish to a hobby which is still far from barmy, and which as this meeting showed, cements some terrific friendships. Thank you to everybody who came, and here's to 2015! (Mark Savage)

# DXing in the 1970s

Earlier this year we asked BDXC members to share their memories of DXing in the 1970s for this special 40<sup>th</sup> anniversary edition of *Communication*. Several sent in their reminiscences.



We start with **Dell Netherton**: The 1970s were for me, a child of the '60s, a time before shortwave. Fortunately in those days there were a variety of international stations on medium wave. I recall Radio Prague 1297, VOA 1296, Monte Carlo, Radio Tirana, Radio Sweden 1179 and the BBC World Service 1088kc/s. For a while Radio Moscow to Great Britain and Ireland enlivened the long waves. This led to "Questions in the House." I was aware of shortwave via the World Radio Club and the elaborate ITT and Sony portables in Fowey town's two radio shops. My listening was done on a cheap Ritatone Nationwide with mw and lw, battery only. This came with a leatherette case and four flying bomb batteries. I sometimes wonder what I would have heard with today's Superdrug and Asda/Intek equivalents.

**Nick Rank** regales us with tales of home-brew kit, lively tropical bands and offshore radio: The seventies bring back lots of great radio memories for me, in fact I think it was my favourite time radio-wise. The North Sea pirates, mf maritime coastal stations, ILR and BBC local stations starting up and a much more lively 60 metre tropical band are all still remembered fondly here. **Practical Wireless** back in the 70's was (and still is today) full of interesting stuff.



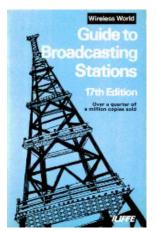
1974

We DXers had "On The Air" with Charles Molloy and Derek Bell who wrote the MW and SW columns respectively. But I couldn't hear most of the MW stations mentioned there, my set at the time was a large domestic transistor portable (GEC2541) so the selectivity wasn't brilliant. But with the help of a standard box loop this set produced my first MW NA. Clearly remembered, it was **WINS 1010kHz** at 0007GMT on 6 Jan 73 when an American accent was heard giving details of a fire on Manhattan Pier. Five minutes later, they had vanished into the noise, but I could now call myself a MW DXer!

I remember having great fun with a home-brew 10 watt valve transmitter, built from a PW design. Everything was bought from the magazine's advertisers, aluminium chassis, DENCO coils, valves, holders etc. You could buy everything for your project in those days just glancing through the advertisers' pages. A redundant black metal Meccano base was pressed into service to hold the 350 volt transformer for the DC PSU. Oscillator coils were wound for the top end of the medium waveband around 1620kHz, a nice clear channel at the time. From somewhere, I managed to acquire a second hand Garrard SP25 record deck with a G800 stylus (a good deck at the time) and an RSC transistor 10 watt audio amplifier. It all came together and we went on air, how I managed to avoid electrocution or rf burns still remains a mystery to this day, I think I was only around 14 or 15 at the time and studying for my O levels.

A couple of local licensed hams who regularly went on top band at weekends kept mentioning the music being played just off the end of the MW band and were trying to track me down, but I moved lower down in frequency into the MW band and they seemed to not mention me again. Somewhere along the way over the years, this tx was either lost or dismantled, but I wish I still had it as a reminder of my mis-spent youth. I think I was also inspired by a pirate radio broadcast by the students of The University of Hull during their rag week. Our kitchen radio, a **Bush TR116** transistor portable, picked them up fine at a distance of 2-3 miles on 225 metres. I forget the year, but it was the early seventies.

Back on the right side of the law, I remember building a **Codar Multiband 6 SW receiver** with a school friend, a kit ordered from PW. It took us most of one Saturday on his dining room table, but worked fine when finished. **Radio Constructor magazine** (sadly missed!) had Dick and Smithy's workshop adventures, which were always educational and humorous and Frank Baldwin's monthly DX loggings column gave me some good tips on what to listen out for. He always seemed to log some fantastic stations, especially the Latin American ones. The annual **Wireless World Guides to Radio Stations** book was one of my first listening reference books, wish I'd kept a few copies now. Then SW transmitter powers were so much lower then, not many 500kW entries.



Of course we had no internet or computers (as we now know them) back then. My only source of info on new stations was the **WRTH**. I found the maritime beacons quite addictive and a quick tune around 280-310kHz often ended up lasting into the small hours, just to try and hear all the beacons in a particular group. My reference here was **Reed's Nautical Almanac**, again I wish I'd kept a copy now most of the maritime beacons are history.

Obviously, the background noise on all bands was far lower than today, just the odd fluorescent lamp causing occasional buzzes. It was easy to spot a new MW ILR or BBC station starting up and a test tone on a previously unoccupied frequency was soon investigated. My log records test transmissions from **Radio Trent**, Nottingham on 998kHz, **Radio Tees** 1169kHz and **Pennine Radio**, Bradford 1277kHz, all in June 1975. **Radio Victory**, Portsmouth and **Radio Orwell**, Ipswich, now both long-lost stations seem to crop up in the log in the late-seventies.

Even though I had to be up for school the next morning, I remember "Dad's Army" being a regular show on **BBC World Service** in the 70's on 1088kHz at 0230GMT. I think it was from the Crowborough transmitter, and reception was fine where we lived after dark. Around the same time, another evening comedy show I seemed to start listening to regularly was "The Life of Riley" on **AFN**, Germany on 872kHz. The show started with the line "The Life Of Riley starring William Bendix as Riley" (I think). This same large transistor portable that I was using at the



time was good on the SW bands, but did suffer from "images." A tuned circuit between the aerial and the set helped a lot with this problem though. The 60 metre band was alive with LA stations back then, **Radio Lara** 4800kHz, **Ecos Del Torbes** 4980kHz, **Radio Rumbos** 4970kHz, all from Venezuela, seemed to feature in the

log regularly. **Radio Santa Fe** 4965kHz and **Radio Colosal** 4945kHz, both Colombians, were heard frequently, the latter station even read out my reception report. Luckily I was lying in bed that particular morning with the headphones on listening to them before getting up for school. My log records: "4/9/73 4945kHz Radio Colosal, Neiva, Colombia. Read out my letter at approx. 0610 GMT along with others received from Sweden and Germany." They played us all a Pink Floyd track and later I received a letter (all in Spanish) and a pennant. Both are still stored in the loft somewhere.

Radio Comercial from Santo Domingo. Dominican Republic on 4880kHz was a good signal back in the 70's and I usually listened to their lively music before going to school in the morning. But I think the 70's for me offshore were dominated by the



stations. Radios Atlantis, Veronica, Caroline, Mi Amigo and of course RNI. Never a dull moment on MW with these stations going on and off the air, changing frequency, masts

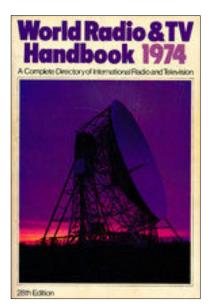
collapsing etc. A brief late-1972 entry in my log states **Scheveningen Radio** on 2182kHz gave out a navigational warning around 2300GMT that the radio ship Mi Amigo had anchored 52 degrees 12 mins N, 4 degrees 16 mins E and was showing no lights. Described as a "hazard to shipping". All exciting stuff to a 14 year old!

Somewhere I have a tape of a Christmas Day 1973 test broadcast from the Mi Amigo on 1187kHz with, I think, Andy Archer presenting. It was during the morning so reception was clear. During the evenings 1187kHz deteriorated badly and I recall many an occasion trying to listen to **Radio Seagull** only to give up. One of the 70's offshore stations, I can't be sure now if it was RNI or Veronica, on signing off in the small hours used to have a minute or two of dead-air then suddenly announce "Don't forget to turn your radio off, you're wasting the batteries".

I missed the drama of the firebomb on the Mebo II, due to being away overnight on a school trip to Wembley. Another entry in my log dated 14/8/75 records a station received on 593kHz repeatedly announcing as "BBC test transmissions from north London." A week later on 20/8/75, another announcement on 593kHz said they were "BBC test transmissions from south London." No difference in strength as received on a **Bush TR116** portable in Hull. I never did find out what the tests were, and I didn't hear them again, but possibly they were connected to the proposed "Carfax" traffic information service?

Andrew Tett writes: What 1970s memories do I choose? Shortwave bands so crammed and signals so strong that they would overload my portable radio when I connected the random-wire antenna to the telescopic. In those days I longed for the future when the bands might not be so crowded. Now, of course, I long for the days when they were! For this sort of reason, and the fact that cost was always a consideration, the cheaper and much better option was to use a jumble sale valve radio.

Picking up Band I television sound (41.5MHz) from the superpowered (200kW vision and 50kW sound) Crystal Palace transmitter occasionally on cheap transistor equipment. Touching the audio input would often give this effect. Radio stations closing down overnight so the MW band was relatively clear for DXing North America. The stations would also open up in the morning with interval signals and theme tunes.



A relatively clear FM band, much more opportunity for the DX to get in. I had quite a few valve radios over the DXing years of the mid-seventies. I used to pick them up at jumble sales and run them for a while, until another one came along which was better or something went wrong. My favourites were always **Philips** ones - in particular the models based on the 341A chassis. The one that I remember most was a **522A**, which had a built-in gramophone player at one stage but which I would never use because I had a much better **Garrard SP25 Mk IV** deck which was much better.

**Norbert Scheel**'s memories of 1970s DXing are dominated by the offshore shortwave stations. **Radio North Sea International** from the radio ship Mebo II with his favourite programme AJ Beirens' **North Sea Goes DX** on Sunday mornings from 1971 to 1974. Although Norbert had been aware of 1960s pirate stations he had no information on where the transmissions came from and they passed him by. From 1970 his interest was triggered, with good reception in Germany during daylight hours. Norbert was also interested in the rest of what shortwave broadcasting bands had to offer, but with the exception of the eastern bloc stations. He recalls how the 1970s provided much for the DXer, with programmes such as **Sweden Calling DXers**, a monthly programme Studio Monica/Frankfurt/Main aired by the German service of **Radio** 

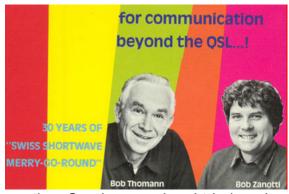
**Portugal** and the weekly German language DX programme on 6155kHz **Radio Austria International**. Even two stations local to him in Berlin had DX programmes: SFB - Sender Freies Berlin's **Our Shortwave Stroll** (somewhat surprising for a station that didn't broadcast on shortwave!) and **RIAS Berlin** on 6005kHz **Radio International** with Armin Amler.

Norbert mentions the excellent propagation in the European winter of 1975-76 on 60 metres which was good for South American stations. On the downside, less enjoyable aspects of the era for him included Morse code transmitters around 48 metres above 6200kHz which interfered with his pirate radio listening. The jamming of signals from Radio Free Europe, Radio Liberty BBC and Deutsche Welle aimed to eastern Europe is another unpleasant memory. Collecting QSL cards was something that was enjoyed differently 40 years ago, when Norbert would contact free radio operators with off air recordings and reception reports, something he feels unable to do now as he does not use the internet. Norbert concludes by asking if we could reproduce an early issue of *Communication* and sends his congratulations for the BDXC 40th anniversary.

Alan Roe writes: It is a coincidence that the BDXC Anniversary Year of 1974 was also the year that I first really became aware of the existence of shortwave radio. For years before, I had always had a small transistor radio, and remember well listening to Radio Caroline and Radio London in the mid 1960's, and also making a point of listening to the launch of Radio 1. I also seem to remember being quite interested in seeing a radio ship offshore whilst on holiday in Walton-on-the-Naze. I also recall listening to Radio Luxembourg in the evenings. However, I don't recall the implementation of the Marine, etc, Broadcasting (Offences) Act in 1967 making any impression on me at the time, and my interest in radio, although present, was fairly low.

This changed in 1974. It all started earlier in the year when late one evening I was listening to Capital Radio on MW, and was a little bored by the output. So I started turning the dial, and after a while came across a programme in English from Sweden. It was **Sweden Calling DXers**, and as I listened I realised that the presenter (I guess that it must have been George Wood) was giving tips about radio stations broadcasting on shortwave. A couple of weeks or so later, I spotted an advertisement in (I think) a Sunday newspaper for a cheap Russian-made 11-band radio (or some such number of bands) including medium and long wave, air band, marine band and several shortwave bands (where it promised that I could tune into stations from around the world - such as Timbuktu, or live baseball from the US or cricket from India, and such like).

My birthday was coming up, so that what was I asked for my birthday present. I got the radio a couple of days before my birthday, and spent an hour on Saturday afternoon tuning around - and heard absolutely nothing, just noise and static. I was somewhat discouraged, but never-the-less I tried again that evening, and found a number of stations in various languages and then eventually (if I remember correctly) Radio Moscow with some rather dry content. Some more tuning brought me to the Two Bobs on Swiss



**Shortwave Merry Go Round**, which was much more interesting. Sunday morning, I tried again and came across Tom Meijer with **The Happy Station Show**. By now I was hooked into shortwave and have never looked back - joining **World DX Club** in around 1977 and **British DX Club** (as it had by then become) a year or so later. (Un)surprisingly, I'm still waiting to hear broadcasts from Timbuktu and live baseball from the US via shortwave!

My congratulations and thanks to the founder members who first conceived the Twickenham DX Club and are still here working hard to produce a first rate bulletin every month, and of course to the other editors and everyone involved in the running of the club.

# Celebrating 40 years of BDXC 1974-2014

The first edition of *Communication* was published four decades ago on 10<sup>th</sup> September 1974 and so this month we are celebrating the club's 40th Anniversary!

During the past 40 years there have been a total of **18,475 pages** published in *Communication*! (including *Broadcasts in English* booklets, this total increases to around 19,391 pages published). You may wonder why the edition you're reading is only Edition 478 (not 481) though? Simply as two editions covered two months (June/July 1975 and June/July 1977) and one edition was missed altogether in July 1985, when the club switched printing format. Apart from this, *Communication* has appeared every month for the past 40 years! But how did it all start in 1974?

The club has its origins in a small typewritten carbon-copied bulletin called *Club DX News*, then renamed *DX 72 from the Twickenham Short Wave DX Club*. About four issues of these were produced (each with only a handful of copies - limited by the number of sheets of carbon paper that could be produced legibly!). These newsletters were circulated within class at school between 1972-3 by David Kenny, with some input also from Malcolm Griffiths and David Balhatchet. However the idea for launching the club proper, was formulated by the two Davids along with Nick Van Stigt, during the long summer school holiday of 1974, still in their home town

of Twickenham, on the banks of the River Thames, west of London. An announcement was sent to various popular DX programmes of the time, that the first bulletin of the Twickenham DX Club (TDC for short at first, but changed to TDXC in early



1976) called *Communication* would be launching in September 1974. Nick's mother would help the club print the first few editions.

The first edition of *Communication* appeared in September 1974 and ran to just three A4 sides. In it, club co-founder and editor Dave Kenny wrote:

"Dear Members, This is TDC's first newsletter. We have decided to call it "Communication" as this single word seems to us to sum up the whole meaning of the hobby of DXing".

The first edition included just 18 shortwave logs including Voice of Nigeria on 15120 kHz and RAE Argentina on 11710 kHz (both frequencies they still use today!) – see below:

STATION	GMT	Khz	MB.	LANGUAGE	SINPO	ADDITIONAL DETAILS
V.O.Nigeria	13.30	15120	19	French	22532	QRM from hum on frequency
Brazzaville	22.00	4765	60	French	33333	Irregular reception
Radio RSA	21.00	4875	60	English	33433	Fr. No longer used (Ed.)
Radio Grenada	20.45	15105	19	English	23532	Very weak signal
Radio Tashkent	12.00	15460	19	English	32522	QRM from heterodyne
Radio Kiev	19.30	7380	40	English	54544	Mon., Thurs., Sat only
Radio N.Brasil:	ia21.00	15245	19	English	44524	Very good reception
Radio Kuwait	20.00	15415	19	English	54544	Very good reception
R.Bangladesh	19.00	15520	19	English	33443	Slow speed news
R. Habana Cuba	20.10	15155	19	English	33533	QRM severe at first, eases
V.O.Turkey	22.00	11880	25	English	44444	Good steady reception
Nauen SFT	18.30	4575	70	2:	33544	Steady reception (SSB)
Conakry Guinea	16.30	15005	20	Fr. Eng.	44344	PTP test in SSB
V.O.Vietnam	18.30	15012	20	English	44444	Good reception
R.N.Brasilia	22.00	15447	19	Portugese	35534	Local service of R.N.Brasilia
RAS Argentina	23.00	11710	25	English	22522	QRN from severe hum
NNV SFT Col.	22.15	15000	20	English	23323	Fair to poor reception

We expect these tips will keep you busy for the next month or so.Please do contribute and send us your reception loggings for publication.

It also included the news that a DXer in the Soviet Union was in trouble with the authorities after his name was read out on the *Sweden Calling DXers* programme. *QSL Waiting Times* including a wait of 46 days for a QSL from Radio Station Peace & Progress in the Soviet Union. Also included were *Propagation Report*, *Spotlight on a Radio Station* (on Radio Australia) and *Propaganda on the Shortwaves – a Sad Reality*, an article by David Balhatchet.

A list of new members in this first edition showed the club had just five members. Editor David Kenny requested contributions to: 37A, Pope's Grove, Strawberry Hill, Twickenham TW1 4JZ (in fact a home-made post box affixed to the wall of Nick Van Stigt's parent's house at Number 37).

We must pause however with a note of sadness in these recollections to note that Nick's mother, who helped print the first copies of *Communication* passed away in July this year. And we also learned that club co-founder David Balhatchet, who left the club after only a couple of years, died in December last year in Penzance. Our sincere condolences go out to Nick and David's families.

But how did such a small club grow into a national and international DX Club, especially during those early years? In 1974 of course there was no internet or email to spread the word so letters announcing the club's arrival had been posted out to many of the English language DX programmes then being aired on shortwave stations around the world. These included *Short Wave Panorama* on Austria Calling from Vienna, *DX Jukebox* on Radio Nederland from Hilversum and *Just Ask & RNB will Answer* on Radio Nacional de Brasilia. And nearer to home the new club was pleased to receive a mention on new ILR Swansea Sound (257 metres) who had a regular late evening DX spot at 2315 on Thursdays, presented by Alan Thompson (who also had a DX programme on Deutchlandfunk). As a result, membership numbers gradually started to climb. Below is the first mention of the club on the popular DX programme *Sweden Calling DXers* on Tuesday 13<sup>th</sup> September 1974 presented by Arne Skoog. Some of you may remember Radio Sweden sent out the scripts of the show to contributors to the programme:

# SWEDEN CALLING DX-ERS

Bulletin nr 1288 Date 1974-09-13

# rapio swepen

International service of the Swedish Broadcasting Corp. S-105 10 Stockholm. Sweden

All times GMT Editor this week

Arne Skoog

Club news. Club Vijana was formed on Febr. 4 1974 by students from 15 to 19 years old at the College Luanga, Kamina, Zaire. The French language is used, and the address is: Club Vijana, Kalenga Madika, Collège Luanga, B.P. 16, Kamina-shabal, Zaire. A local DX Club has been formed in Twickenham, Gr.Britain, by a few young DX-ers. There is no membership fee and the club is interested in all DX activities and hopes to publish a newsletter. Anyone who is interested, primarily from the British Isles, can write to The Twickenham DX Club, 37 a Pope's Grove, Strawberry Hill, Twickenham, TWI 4JZ, Gr.Britain.

And a few months later, on 18<sup>th</sup> February 1975, another mention on Radio Sweden's DX show:

Club news. Now 6 months old, The Twickenham DX Club is ready to receive new members from all over Europe. The club publishes a monthly DX magazine called "Communication", prints many DX information sheets and an annual verification survey as well as unique DX problems service and holds many contests. The membership fees, which include airmail postage to Europe are 95 p for members in the British Isles and 16 IRC:s for those in Europe. For more information and an application form write to: Twickenham DX Club, 37 A, Pope's Grove, Twickenham, TW1 4JZ, England.

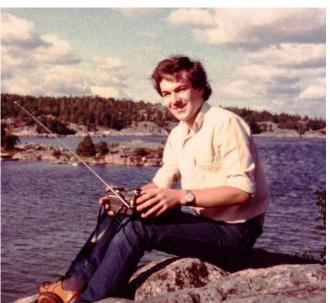
The results of a survey of club members in April 1975, showed that the Radio Sweden "plugs" had been the most successful in recruiting new members. Some stations had refused to announce details of the new club. Arthur Cushen said his *DX World* programme on Radio New

Zealand International could not contain any advertising material, as it also went out on the NZBC's domestic National network. And the BBC's *World Radio Club* wrote back and said they hadn't mentioned TDC as they had many requests from clubs all over the world, so said no to everyone. But, they added, they did make exceptions, if a studio guest belonged to a particular club for example. So it was that on the 29<sup>th</sup> July 1975, Dave Kenny and Nick Van Stigt arrived at Bush House in London for the recording of *World Radio Club* as perhaps the programme's youngest ever guests? And the Twickenham DX Club did receive some publicity on the BBC World Service after all, courtesy of being interviewed by Reg Kennedy. Sadly, no recordings of this edition of *World Radio Club* were kept.

Edition Number 2 (October 1974) of *Communication* is unfortunately missing from the club's archives, but in the Tenth Anniversary issue (September 1984) editor Chris Greenway did mention this issue: "Two more DXers had joined by the time Edition No.2 was published and they were able to read that as Radio Veronica had been forced to close down because of the passage of the Dutch Marine Offences Act, Capital Radio was now audible over most of the country on 557 kHz from its temporary transmitter site in Chelsea."

Edition Number 3 of *Communication* (November 1974) had grown in size to six sides which prompted the editor to comment "Phew! What a bumper edition!" It listed the club's first European member (in Sweden), plus three new members in Japan. News included Harry Van Gelder retiring from presenting Radio Nederland's *DX Jukebox* with Dick Speekman replacing him. Also Capital Radio and LBC (London) would soon move to new MW frequencies – 194 and 261 metres and Radio Hallam (Sheffield) was already on 194 metres and had already been heard in Twickenham and a QSL received. Spotlight on a Radio Station featured Radio Afghanistan which could be heard at 1130 GMT on 15195 kHz. In an article on Jamming on the Shortwaves, Dave Kenny suggested "tuning around the 16 metre band in the evening. Every other station is a jammer" and concluded "Jamming is a great nuisance to DXers". This issue listed a club Board: Nick Van Stigt (Treasurer), Dave Kenny (Editor), David Balhatchet (Secretary) and new recruit Mark Lee (Deputy Editor) all in Twickenham.

Forty years ago in 1974, what receivers were DXers using? Early editions of Communication did



not list this information although Issue number 3 included a "Wanted" advert for an RF Preselector "preferably valve" for use with "a rather imageridden Codar CR70A set"! It wasn't until the August 1975 issue that Padriac Cawley in Ireland suggested members contributing tips should list their equipment. Reading through subsequent issues, receivers such as the AR88, Eddystone 840C, Eddystone EC10, Ekco U143, Trio 9R59DS, Hammerlund, Yaesu FR-101, the new Grundig Satellit 2000 and Philips domestic receivers are mentioned. Digital readout would have been an unaffordable luxury for most DXers in 1974, although sets such as the Barlow Wadley XCR-30 afforded good frequency stability and accurate analogue dial readout through its "Wadley Loop", later used in the Yaesu FRG-7.

<u>Above</u>: Club founder Dave Kenny with Sony 5900W in Sweden (1981) The radio is still in regular use!.

Communication, during its first year, had settled into regular monthly sections: DX News, Members loggings (shortwave and mediumwave, but arranged in time order), a QSL section, Mailbox, a Propagation Report based upon reception in Twickenham and Spotlight on a radio station. Already after one year "with membership approaching fifty" the workload on the editors in

Twickenham was proving too much so an appeal was made for members in the UK to volunteer to compile the DX News, Loggings and QSL sections. The first section editor outside of Twickenham was the late Dr Donald McKinley, in Worthing, who edited the *DX News* section from November 1975 until August 1979.

Two years after the club launched as the Twickenham DX Club, membership numbers passed the 100 mark in October 1976. The increasing and widening geographical spread of membership led to the decision to finally change the club's name to The British DX Club (or BDXC-UK for short) from March 1979. (The current club logo right, designed by Andrew Tett, was chosen from a number submitted by members in 1985 and appeared for the first time on the cover of the January 1986 issue of *Communication*). Of those first 200 members, the following are still members today:

BDXC BRITISH DX CLUB

BDXC 1	Dave Kenny	BDXC 57	Mike Terry	BDXC 111	David Morris
BDXC 3	Nick Van Stigt	BDXC 62	David Reynolds	BDXC 124	Mark Fisher
BDXC 20	Russell Holmes	BDXC 67	Edwin Southwell	BDXC 128	Tony Rogers
BDXC 28	Jim Parker	BDXC 68	Mark Savage	BDXC 146	Chris Gibbs
BDXC 48	Ken Fletcher	BDXC 81	David Ansell	BDXC 186	Chris Greenway
BDXC 49	Mike Barraclough	BDXC 90	Stefano Valianti	BDXC 197	Alan Pennington



Whilst looking through the past 477 issues of Communication I made a note of who were the club officers and editors of the main sections of magazine over the past forty years. I'm not sure if anybody has made such a record before. but there surely deserves to be one. As well as those mentioned there of course been many temporary or stand-in editors and other contributors to the magazine. too numerous to mention here. So my apologies for any omissions or errors which are probably due to the speed I was skim-reading through Communications!

<u>Above</u>: (I-r) James Hobson, Dave Kenny, Paul Cox, Simon Knott, Chris Greenway & Mark Savage (Tennyson Ave, Twickenham c1979)

•	
General Editor	
Sept 1974-Aug 1976	Dave Kenny
Sept 1976-Oct 1978	Mark Lee
Nov 1978-May 1981	Dave Kenny
Jun 1981-May 1985	Chris Greenway
Jun 1985-Dec 1987	Tony Rogers
Jan 1988-Jul 1988	Phil Hodgson
Aug 1988-April 2005	Tony Rogers
May 2005-present	Chrissy Brand

#### Printer

Sept 1974-Jul 1976 Mrs Judith Van Stigt
Aug 1976-Oct 1978 Dave Kenny
Nov 1978-Jul 1980 Paul Cox
Aug 1980-Apr 1982 Colin Wright
May 1982-Mar 1984 John Chivers
May 1984-Jun 1985 Stephen Buckley
Aug 1985-present: printed externally by Presto Print

(in Oxford & Reading); Grosvenor Print (in Caversham) and currently by Hertfordshire Display (Ware).

#### **Club Treasurer**

Nov 1974-Aug 1978 Nick Van Stigt Sep 1978-Aug 1979 Martin Gourley Sep 1979-Nov 1987 Dec 1987-present

Nick Van Stigt Dave Kenny

#### **Club Secretary**

Nov 1974-Jul 1976 Aug 1976-May 1985 Aug 1985-Jan 2006 Feb 2006-present Andrew Tett

David Balhatchet Dr Donald McKinley Colin Wright

**Printing of Communication**: Up until August 1985, it was printed using a *Gestetner* duplicator in the club printer's home, with section editors typing onto stencils. Very occasionally a photocopied sheet was added to include pictures, but for the most part it was 100% typed text. The magazine was all collated and stapled by hand. In August 1985 we switched to external printing (photocopying) and then section editors typed onto A4 paper, mainly still using type writers or early Word Processors (e.g. Amstrad). Pictures were added by pasting in photocopies. Magazines were still posted out from Caversham until we switched to our current printers, Hertfordshire Display, in March 2000. A pdf of Communication is now emailed to Ware (in



Hertfordshire) where the magazine digitally is photocopied. Nowadays editors can insert scanned photos and images into their sections. The magazine is now also despatched from Ware by printers, so the quick turn around the club has always prided itself on is maintained. The days of messy inky stencils and walking around a table collating each copy now seem medieval looking back (the Gestetner was recycled at the local tip, though maybe the museum would have been more appropriate!).

Above: BDXC Board (I-r) Nick Van Stigt, Donald McKinley, Colin Wright Alan Pennington, Dave Kenny and Andrew Tett (Catford, 1981)

**Logbooks** of what our members have heard have been a regular mainstay of *Communication* every month since the first edition. Shortwave logs have been arranged in a variety of orders over the years - time order, split by continent and (as now) frequency order. Before the days of computers, editors would cut members' handwritten contribution sheets into strips to arrange in order for typing! The growth in the number of logs each month meant separate log sections were set up through the years. Beyond the Horizon first appeared under the editorship off Andrew Tett in 1980 and included VHF/TV logs - MW logs were moved into this section in 1985. Ten years later in 1990, a separate MW Logbook appeared. And in June 1985, shortwave logs below 5900 kHz were given their own Tropical Bands Logbook. The logbooks have had many editors over the years but long-service awards are due for:

HF Logbook: Stephen Howie 17 years (1997-to date), Steven Rowe 8 years (1986-1994), Tony Rogers 5 years (1981-1986);

Tropical Logbook: Alan Pennington 13 years (2001-to date), Kevin O'Daly 6 years (1992-1998); MW Logbook: Jeff Weston 15 years (1990-2005), Tony Rogers 8 years (2005-2013);

Beyond the Horizon: Colin Ferris 7 years (1990-1997), Chrissy Brand 9 years (2005-to date).

As well as regular logbooks, reports of what has been heard on DXpeditions, especially to Sheigra Scotland, have also become regular feature Communication over the years. Many of these have reports now been uploaded onto the club website at www.bdxc.org.uk

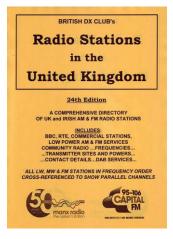
<u>Right</u>: (I-r) Tony Rogers, Alan Pennington & Dave Kenny (Sheigra, October 2007)

<u>DX News</u> has also been a very important core section of *Communication* since Day 1. In the pre internet days, club magazines, along



with DX programmes were the only source of information on new stations, frequency changes etc for DXers. Editors have included: Dave Kenny, Dr Donald McKinley, Chris Greenway, Alan Pennington, Mark Hattam, Tony Rogers and Darren Beasley. Pirate news items were originally included until they migrated to *Alternative Airwaves*. UK news items were covered in more depth between September 1976 and January 1979 in *Local Forum* compiled by Mark Savage.

A separate *UK News* column edited by Dave Kenny first appeared in December 1991, the reports in which formed the basis of editions of the club's popular publication, *Radio Stations in the United Kingdom* (which now also includes Irish stations in a supplement). A separate list of *GB Broadcasting stations* was first published by the club in 1976 and *Radio Stations in the United Kingdom* has now reached its 24<sup>th</sup> edition. Another spin-off from *DX News* has been *Broadcasts in English* – the first listing, compiled by Tony Rogers, appeared as part of the January 1997 *Communication* and as a separate booklet in June 1997. It has appeared every six months since then following the seasonal frequency changes. *Broadcasts in English* as well as *Radio Stations in the UK* have proved popular with non-club members also, and sales have generated extra income for the club.



**QSL Report** is another section that has appeared in most editions since the very beginning, though initially it was called "QSL waiting times" – reporting simply how many days members had waited for their verifications from stations! The club has however never produced "league tables" of numbers of countries and stations verified by their members though, as other clubs have done. *QSL Report* has had a number of editors over the past forty years, but particular mention is due to Stephen Proctor, editor from October 1982 to February 1996 and to Roger Bixley, editor from March 1998 to February 2011 – around 13 years each! Stephen also compiled the fifth and final edition of the club's, *QSL Survey*, in 1988. This useful booklet amalgamated all the QSL data that appeared in the monthly QSL columns and had first been compiled in 1976, then in 1978 by Dave Kenny. Subsequent editions were edited in 1981 (by then *QSL Report* editor David Stevenson and Shaun Geraghty) and in 1984 (by Tony Rogers). Like Roger Bixley before him, our current *QSL Report* editor, Dario Gabrielli, is based outside of the UK – something that was not possible in the club's first few years until the invention of email!

Mailbox / Open to Discussion has been a lively forum of discussion for members right from the beginning. Looking through the archive it was difficult not to stop and read through the hotly debated topics of the time, especially in the 1970s when all correspondence came courtesy of Royal Mail (strikes permitting)! Topics such as pirate radio, layout of Logbook and the EDXC were refereed, usually by the editor of Communication, who also took on the role of Mailbox editor in the early days. But from October 1991, a dedicated editor has been in charge of BDXC's post bag - David Morris. And he's still in charge today, nearly 23 years later! In August 1997 a new name and masthead were adopted for the letters column – Open to Discussion – the name



has stuck, but not the masthead (left). Most letters now arrive by email, which must be a slight disappointment to keen philatelist David!

A <u>Propagation Report</u> appeared regularly in *Communication* right from Issue 1 in 1974. It was based on Dave Kenny's observations on reception in the previous month. From March 1977 until May 1981, a regular report produced by both Ken Fletcher and Dave appeared every month, which was carried on by Chris Greenway when he was General Editor until the mid-1980s. Propagation news was revived by postings from Mike Terry and Ken Fletcher around 2006 and a regular report has appeared most months, compiled by James Welsh, since February 2007.

<u>Pirate Radio</u> At first the club was reluctant to publish details of any pirate radio stations. In the April 1975 edition of *Communication*, the editor wrote: "It will not be possible to list pop pirates because of certain laws in most countries". But a log of London FM pirate Radio Invicta had already slipped through in the February 1975 edition. Those for and against listing pirates in the magazine put their cases in *Mailbox*. But by March 1979 a separate section devoted to "Free Radio News" started to appear each month, edited at first by Bob Burwell. This was soon renamed *Alternative Airwaves*, and was edited briefly by Mark Ward, then Shaun Geraghty, then Gavin Robertson in the years 1980-82. In January 1983 Alan Pennington took on the section and edited *Alternative Airwaves* for a very long 19 year period, until February 2001, covering both land-based and offshore radio news. Initially just a pirate news section, it later adopted a logbook



style format. In September 1988, the club had a stall at the Communicate 88 event in Blackpool.

<u>left</u>: Dave Kenny and John Fraser at our stall at Communicate 88.

In April 2001, Tom Read took the helm of *Alternative Airwaves* for five years, editing it until January 2006. Although offshore radio ended off the British coast in November 1991, Tom made a number of

trips to "offshore revival" RSLs, articles on which appeared in *Communication* (as well as *Radio User* and still online at <a href="http://tomread.co.uk">http://tomread.co.uk</a>). The internet meant *Communication* editors no

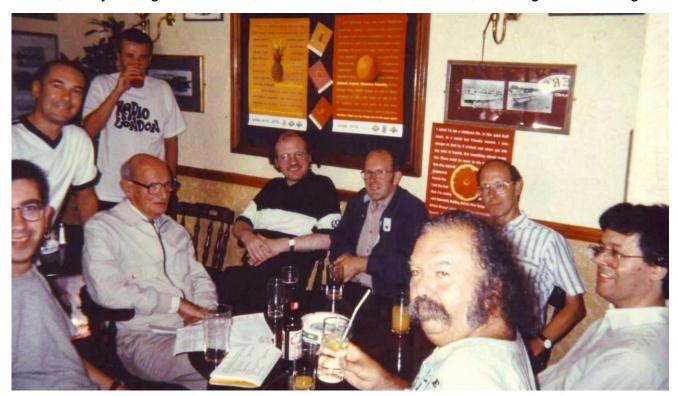
longer had to be UK-based, and from February 2006 to date, Axel Roese in Germany took over AAW, with assistance from Barry Henshall and more recently Vick Haviland.

A dedicated programme section called <u>Listening On</u> with Sheila Hughes appeared between May 1989 and June 1991. From May 2008 Darren Rozier wrote <u>Listening In</u> which looked at a different station each month and, since January 2013, Alan Roe has written a regular programme column called <u>Listening Post</u> and also a music on shortwave section in *Broadcasts in English*.

<u>Southern European Report</u> has been a regular column in *Communication* since March 1995, so over 19 years! Compiled by our long-standing member Stefano Valianti (BDXC 90) in Italy, it gave a new perspective on radio news from further south in Europe. Stefano was our first editor outside the British Isles until Roger Bixley (in Germany) took on *QSL Report* in 1998.

**Ether to Speaker** (subtitled 'a review of listening hardware') first appeared in March 1997, penned by Adrian Moxon, who had contributed receiver reviews before then. Of course reviews of receivers had appeared before in the pages of *Communication*, though this was the first column devoted to the topic. Andrew Tett has since taken on the task of flagging up new receiver and technical developments under the *Ether to Speaker* heading when topics arise.

Meetings & social activity Ken Fletcher, who held the post of Social Secretary for several years in the 70s, must take credit for encouraging social activity in the club in the early days and for challenging "DX hermits" to attend meetings! Originally TDC held a biennial meeting either in someone's house, in a church hall or a pub room in Twickenham. Then, in the early 80s, well-attended AGMs took place in London at Baden Powell House. After a break of a few years our now-familiar annual summer meetings in Twickenham organised by Mark Savage were resumed. From 1975 TDXC started participating in "inter club" meetings, by far the longest-lasting of these has been the Reading meetings which continue to this day. Meetings have also been organised by members of various clubs at various locations around the country over the years including Birkenhead/Wallasey, Birmingham, Bradford, Bournemouth, Catford, Cambridge, Cardiff, Cranford, Derby, Glasgow, Leicester, Hove/Shoreham, Manchester, Reading and Worthing.



<u>Above</u>: Reading meeting, summer of 1997 – standing Dave Kenny & Alan Pennington (Big L T Shirt); seated (I-r) Ian Kelly, Derek Knight, Mike Barraclough, Edwin Southwell, Dario Monferini (Play-DX, Italy), Clive Rooms and Chris Gibbs. (Piper's Island, Caversham)

As well as meetings there have been a few outings organised for members. The first of these was a trip to Jodrell Bank in Cheshire in the 70s. Since then outings to Bletchley Park in Buckinghamshire; the Rampisham transmitter site in Dorset, World Radio Network HQ in London and the Aspidistra transmitter site in Ashdown Forest near Crowborough have taken place. In 1999 we even had a boat trip to an offshore RSL broadcast in Essex. Sadly, a planned members' visit to Woofferton last year was cancelled by Babcock on health & safety grounds!

The club has taken part in a number of exhibitions over the years, notably the Communicate 88 Anoraks UK convention in Blackpool in 1988; at the EDXC Road Show in Birmingham in 1987; at the Lee Valley amateur radio rallies in London and the National Vintage Communications Fair near Leamington.

The European DX Council is an umbrella organisation for DX clubs across Europe and, apart from a short gap in the 1980s, the club has been a member, or observer member (on cost grounds), of EDXC since 1976. Ken Fletcher, as our first EDXC Rep, attended and reported on a number of conferences. Several BDXC members also attended the 1984 EDXC conference in Stockholm (hosted by Radio Sweden) as well as the 1983 conference in London (hosted by the BBC).



World Service) and in recent years BDXC has been represented at many of the EDXC conferences around Europe, including the one this month in France.

World Radio TV Handbook The club was first listed in the 1977 edition of the World Radio TV Handbook (WRTH). TDXC also started offering members a discount on the annual World Radio TV Handbook in 1977, initially the offer was arranged through the World DX Club but subsequently we organised sales directly. A discount for members with the distributors of Passport to World Band Radio was arranged more recently, though sadly PWBR ceased publication in 2009. Communication has been sent to the WRTH editors for many years and we are now credited by WRTH as a contributing organisation, as well as overseeing the annual WRTH prize draws.

<u>Tape Circle / Audio Circle</u> In the October 1975 "Communication", new member Ken Fletcher wrote in TDC Mailbox that he was interested in "starting up a tape circle within the club". This idea came to fruition in February 1976 when the first edition of TDXC Tape Circle was circulated, "including interviews with EDXC Secretary General Rudolf Heim and Radio Sweden's DX Editor

Arne Skoog along with information from Ken Fletcher in Birkenhead and Derek Bell in Derby". Ken and Derek took it in turns to edit and circulate the programmes until September 1976 when Mark Savage (pictured, right) took over from Ken.

Derek continued to contribute and edit from his QTH in Chaddesden, Derby, until he too 'retired'. Another DXer involved around this time was Terry James in Newport, South Wales, who edited several programmes. In a remarkable coincidence, Terry lived less than a quarter of a mile from Damien Read, one of a later, younger pair of editors with a unique style. His partner at the microphone was Andy Guy, but neither of them knew Terry.

The Tape Circle became an established extra service for club members under editors Ken



Fletcher, Mark Savage, Andrew Tett and Chrissy Brand plus a host of rotating monthly presenters. Sadly, the very first edition of TC was not archived for posterity, as far as we know. However, Mark has a copy of his first programme. Many other editions from across the past

decades have been kept (though not all), and are gradually being digitised thanks largely to Andrew Tett. In 2009 the Tape Circle was renamed Audio Circle to reflect the fact most members no longer listen on cassette but via CD or MP3 download. It is now produced bi-monthly and the MP3 download is available free to BDXC members.

<u>The computer age</u> The club's first website was created in January 1996 by Nigel Watkinson, hosted at UMIST in Manchester. In March 2000, the domain www.bdxc.org.uk was acquired. We



now also own the bdxc.co.uk and bdxc.uk domains. The website is now home to a host of articles and resources, both articles which previously appeared in *Communication* (such as Sheigra DXpedition reports) plus regularly updated pages, many written by Tony Rogers, such as *Africa on Shortwave, External Services on Medium wave, South Asia on Shortwave, DX Programme Guide and Guide to Radio Museums*.

In June 1998 a new column, Surfing the World Wide Web first appeared in Communication, which is still a monthly feature sixteen years later, now renamed Webwatch, but still edited by the club's General Editor, Chrissy Brand (photo left)

Forty years ago the General Editor used to receive and post out a lot of contributions to section editors around each monthly deadline – now most are sent in via email.

In February 2002 the bdxc-news service was transferred to Yahoo! Groups enabling members to receive and post items of hot DX news. A separate Yahoo! Group, bdxc-tc (Total Chat) was added in 2007, enabling members to comment on news items or discuss other radio matters. Since January 2013, new or renewing members can opt to receive a pdf by email (instead of a printed copy) of each month's *Communication* to read on their tablets, 'phones or computers.

**Membership** numbers were thought to have peaked around 2002, when they were in excess of 520, though this is an estimate based on the number of copies of *Communication* being printed. However, the influx of new members in January 2013, as a result of the transfer of members from the World DX Club, following the closure of WDXC, pushed the total close to 550, including both print and pdf subscribers. We have just issued membership number 2404, which in theory means that number of individuals have belonged to the club over the past forty years as rejoining members are given their old membership number whenever possible, if identified as such.

On Friday 15<sup>th</sup> July 1988, the radio section in the *Independent* newspaper in the UK published an article titled *A life on the short wave*, written by Robert Hanks. The article included a chart of a selection of shortwave stations, with their frequencies and times, plus a brief comment on what you might hear on each station. An accompanying paragraph provided an introduction to shortwave listening and gave the British DX Club's address at the end. This produced a flood of enquiries, which then Secretary Colin Wright replied to with an information sheet, answering the most frequent questions, plus a sample copy of *Communication*. This generated quite an influx of new members, and was probably the biggest single boost to membership before the transfer of WDXC memberships in January last year.

Usually however, new members are recruited gradually throughout the year through publicity for our publications, adverts in WRTH, mentions on DX Programmes or in magazines such as *Radio User*, or appearances at events (as mentioned above). However we hope fellow BDXC members will also promote the club themselves through word-of-mouth to fellow radio enthusiasts! A lot has changed in our hobby over the past 40 years, but BDXC has evolved as well, thanks to our club officers, editors and members. Well done on reaching this 40 year milestone, and we now look forward to the club's 50<sup>th</sup> anniversary in 2024! (Alan Pennington)

# Short wave listening at sea in the 1970s

By David Harris <a href="mydogisfinn@gmail.com">mydogisfinn@gmail.com</a>

I left school in 1970 and joined the British Merchant Navy as a Navigating Officer Cadet. In those days Britain had a huge merchant fleet which employed many thousands of British seamen. I had become interested in short wave listening whilst at school and knew that when I was at sea I would need a good world band radio to keep in touch with what was happening in the world. On my first voyage I was able to purchase a Grundig Satellit 210 from a duty free shop in Rotterdam. This was a fabulous radio which combined superb performance with excellent sound quality. It had bandspreads for all the SW bands and also covered MW and FM. It was very easy to operate and gave much pleasure as I sailed around the world. *Photo from http://radiopics.com/Grundig/Grundig Satellit%20210.htm* 

On joining a new ship one of my first tasks was to beg a few bits of wood from the ships carpenter and make a secure shelf for my beloved radio. Ships tend to roll about a bit at sea and the radio needed to be firmly fixed to the shelf. I think some of the more modern ships had an aerial socket in each cabin otherwise I rigged up a long wire aerial through The porthole. ship's wardroom (bar) had broadcast receiver, probably something like an Eddystone I don't recall these EB35.



being used very much as many of the younger crew brought records or cassettes which provided our communal entertainment.

My main memory of this period was being able to listen to the BBC World Service at any time of the day or night regardless of where I was in the world. It was a case of the sun never setting on the BBC World Service empire. One of my favourite programmes was a pop music Top 10 (or perhaps Top 20) show which I think was broadcast three times a week. As a teenager I was very keen on music and seem to remember being able to listen to this programme every week. I think it is very sad now that the BBC World Service only broadcasts in English a few hours a day from a few locations. I believe now that some ships have satellite TV and access to broadband. However many seafarers must still rely on Shortwave radio for information and entertainment whilst at sea.

One of the most unusual stations I recall listening to was Radio Gan which was based at the RAF station on the island of Gan in the Maldives. This Indian Ocean island was used for refuelling flights from the UK to the Far East. I think it was AM but not part of the BFBS network. I passed about 50 miles from Gan on a voyage to India and recall listening to the station for a couple of hours. It must have been very low power. The RAF base (and presumably the radio station) closed in 1976. There are some pictures of Radio Gan on this website:

http://www.gan.philliptsmall.me.uk/00%20-%20HTML/PhotoGalleries/RadioGan%20[%20].htm

My voyages took me to Canada, South Africa, East Africa and the India sub-continent. I don't recall much about Canadian radio which was often in French but in the evenings whilst in Canadian waters I liked to listen to the American AM stations which were easily heard. Their

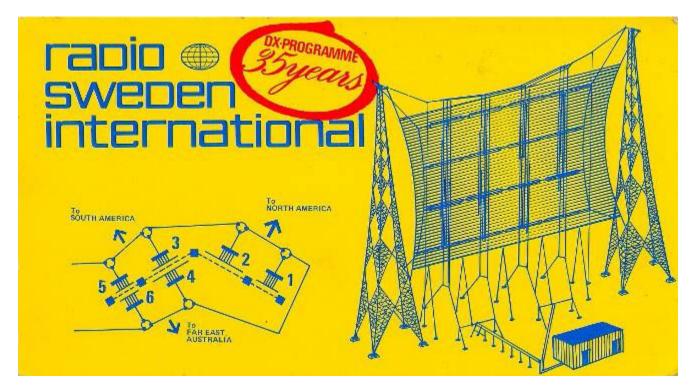
diversity of content and style of presenting was quite a revolution compared with the somewhat staid BBC. It was amazing to hear country music, jazz, R & B, gospel, rock and pop music all coming from different stations.

South Africa in the early 1970s had tightly controlled state-run media but in neighbouring Mozambique there was Lourenco Marques Radio which was a commercial pop music station – a bit like Radio Luxemburg. This station was usually referred to as LM Radio and was the first commercial station in Africa. The station closed in 1975 when Mozambique became independent of Portugal. There is a website <a href="http://www.lmradio.org/">http://www.lmradio.org/</a> commemorating this station. LM Radio which was South African owned was relaunched as Radio 5 (later 5FM) in South Africa. I really enjoyed listening to LM radio on the various occasions when my ship called into South African ports as it meant I could listen to pop music all day and night.

On an ocean voyage you know when you are approaching land as you begin to hear AM radio stations long before you actually make a land fall. One knew that the Indian coast was not far away when Indian music started to appear on the airwaves. Indian music seemed to be widely played to the exclusion of western music in India. However I recall listening to western pop from FM stations in Sri Lanka. Fortunately if local stations did not offer much in the way of entertainment there was always the BBC World Service. I also recall enjoying shortwave broadcasts from Swiss Radio, Radio Netherlands (The Happy Station) and my favourite - Radio Sweden. I think they



broadcast a lot of Swedish pop which was quite good but not played much outside of Sweden – this was long before Abba! After a few years the novelty of being at sea wore off and I left the Merchant Navy to work ashore. My Grundig Satellit gave many years' service although in the end I used it mainly as an FM tuner which I plugged into my stereo system. Some 40 years later I am still interested in radio and recall the very strong links with home that short wave radio gave to me in those years sailing around the world.



# **Listening Post**

with Alan Roe listeningpost@bdxc.org.uk

Hello and welcome to Listening Post for September, and *Happy Birthday to BDXC*. I'll start this month with a couple of programme recommendations from Glenn Hauser in DX Listening Digest.

#### WWCR, USA

WWCR 15825, August 2 at 1455, neat old tunes on `The Talking [sic] Machine Show` from WWCR; frustratingly, Phil Patton gives the year the wax cylinder was made, 1916, but \*not\* the name of the song nor the composer, nor performer! The next one is faded out at 1459 before there can be another incomplete outro, let alone a program closing. Host is an engineer, not an experienced announcer, yet this is the only WWCR show worth listening to on WWCR. They still haven't put up an August programme schedule, but the latest dated June 20 shows for TTMS: Sat 1000 4840, Sat 1430 15825, Sat 2300 9350, Mon 0400 4840 (Glenn Hauser, via DX Listening Digest)

#### WRMI, USA

Jeff White points out that there is now a schedule grid for all the `F` blocks [or "System F" programming] which are attributed to Family Stations, coloured red on the graphic frequency schedule. This schedule is not on the same page as the 9955 programming, but just below the frequency schedule grid which I have tinyurled to: <a href="http://tinyurl.com/kjchgca">http://tinyurl.com/kjchgca</a> or reached through homepage <a href="http://www.wrmi.net">http://www.wrmi.net</a> --> programming --> transmission schedule. Note: if you have downloaded previous frequency schedules, you may get an old one which still exists on the web at different incredibly complex Google URLs.

From that, the DX programmes on WRMI frequencies other than 9955 [are as follows]:

- Historias de Radio: Mon 0430-0500; Fri 0130-0200
- Antena DX: Thu 0430-0500; Sat 0100-0130
- Viva Miami: Fri 0430-0445; Mon/Wed/Fri 1015-1030; Wed & Sat 2115-2130, Thu 0130-0145
- Frecuencia al Día: Fri 0100-0130; Sat 0430-0500
- Wavescan: Sat 1000-1030; Sun 0130-0200
- La Rosa de Tokio: Mon 2100-2200: Tue 0100-0200
- Media Network Plus: Tue 2100-2200
- WORLD OF RADIO: Fri 2130-2200; Sun 0100-0130



#### Some other programmes of interest:

- Blues Radio International: Tue 0430-0500; Thu 2130-2200; Sat 0130-0200
- Trova Libre: Wed 0430-0500; Mon 0100-0130
- Acontecer Venezolano: Thu 0145-0200; Fri 0445-0500
- EU News: Tue & Thu 1015-1030; Wed 2100-2115; Sun 2115-2130
- From Moscow With Love: Wed 2130-2200
- RFI Musique: Wed 0100-0200, Thu 0100-0130

Frequencies for "System F" broadcasts:

0100-0200 5950, WRMI-13, 181 degrees 1000-1030 5850, WRMI-8, 355 degrees 2100-2200 7570, WRMI-11, 315 degrees 0430-0500 5985, WRMI-2, 222 degrees 2100-2200 15770, WRMI-9, 44 degrees

(Glenn Hauser, DX Listening Digest)

#### **China Radio International**

You can often come across traditional Chinese music broadcast in most language services of CRI – but for some reason not in English language programmes. Some years ago, this question was asked of CRI in their (now defunct) Listeners' Garden programme – the reason given was that there was no available slot in their schedule for such a programme. Perhaps it's time to ask again – the Sunday slot of World According to Words would be ideal!

An example is 16 August, where I start the evening with a random scan and settle on 11895kHz (via Xian) at 1845UT where there is some traditional Chinese music to enjoy with a little talk in a local language (listed in EiBi & AOKI as Chaozhou). An enjoyable ten minutes until the transmission ended at 1857UT (perfectly timed tx off immediately after the CRI theme). Thirty seconds later the Kashi transmitter comes on air on the same frequency with CRI in (listed) Cantonese. Following a (presumed) news bulletin, the broadcast continued with a programme of Chinese modern ballads. Again – an enjoyable programme, and so much more enjoyable (for me) than the bi-lingual Global Chinese Music in the English service which is really just a rundown of the latest "Top Twenty" hit parade with snippets of the songs.

The China Radio International website is, unfortunately, a bit of a mess – it's very difficult to navigate, and this is not helped by the various branding being used by different parts of CRI. You would think that at the very least there would be an easy to find shortwave programme schedule – but no. There is one, labelled as "Program Schedule for AM1008 in Beijing", but it's both incomplete and out of date. So here is my monitored 24/7 programme schedule (actually not quite *monitored* for 24/7 – I have had to make a few assumptions – but I think it's accurate).

CRI English broadcasts consists of 4 different blocks of 1 hour programmes each day as follows:

All Broadcasts 00-05 Daily: News

Global Chinese Music

05-55 Daily: Features – see below

55-59 Daily: Chinese Studio

Block A

05-50	Suii.	Giobai Cilinese Music	DIUCK D	
	Mo-Fr:	People in the Know	05-55 Mo-fr:	The Beijing Hour
	Sat:	Heartbeat	05-30 Sa-Su:	News and Reports
30-55	Sun:	Horizons	30-55 Sat:	World According to Words
	Mon:	Frontline	30-55 Sun:	World According to Words (rpt)
	Tue:	Postcard	Block C	_
	Wed:	In the Spotlight	05-55 Daily:	China Drive
	Thu:	Voices from Other Lands	Block D	
	Fri:	Life Up Close	05-55 Daily:	Roundtable

Block B

Sat: Biz Buzz

These 1-hour programming blocks are repeated throughout the day as follows:

0000:	Α	0400:	Α	0800:	Α	1200:	Α	1600:	С	2000:	С
0100:	В	0500:	В	0900:	В	1300:	С	1700:	D	2100:	D
0200:	Α	0600:	Α	1000:	Α	1400:	D	1800:	Α	2200:	Α
0300:	В	0700:	В	1100:	В	1500:	В	1900:	В	2300:	В

The Sunday edition of **The World According to Words** is a repeat of the Saturday edition; recently however these have all been repeats of programmes first aired in 2012 and 2013 and I'm not sure if there have been any new programmes produced for some months now. **Global Chinese Music** is presented in English and Chinese and was introduced a few months ago replacing the second weekly (Sunday) edition of Heartbeat. China Horizons was renamed **Horizons** at around the same time.

I haven't listened much to CRI's weekday programming for some time, concentrating mostly on the weekend programmes. *Horizons* remains my favourite weekend programme. I'll try and make time over the next couple of months to listen to more of their weekday programming and review them later in the year.

Do you listen to any of CRI's programmes, whether that is in English or any of the other language services? If so please let us know what you like (or dislike) about their programmes. I would be very interested to hear from you!

#### **Music on Shortwave**

Rafael Martínez writes with a welcome contribution of music listening tips.

This is the Dmitri Savitski Jazz Time programme current schedule on Radio Liberty's Russian

service: Saturday 1805-1900 on 5995 11760 9840

Sunday 0505-0600 on 9635 11850 17770 Sunday 1905-2000 on 5995 7455 9840

<u>Medi 1</u> is a commercial station well heard in the Mediterranean countries on SW 9575 and LW 171, it offers a programming based on current affairs, news and culture programmes along with a Western and Arabic pop music mix formula, including some specialised music programmes.

This is the correct schedule after monitoring of some of, from my point of view, most interesting music programmes offered by this station:

*Ritmo Latino*, modern Latin dance music presented by Layla Belarbi (in French): Saturday 1503-1600.

Jazz Session, jazz classics presented by Jawad (in French): Sunday 2304-0000.

La Bossa Nova, Bossa Nova hits presented by Sanae (in French): scheduled Sunday 1815 but not noted at that time; shows can be heard anyway at http://www.medi1.com/musique/bossa/

La Musique Soufie, Sufi music presented by Ahmed Lekhligh (in Arabic): daily 1930-1958 repeated at 0300-0328. This programme has become one of my favorites; Wikipedia says "While all Muslims believe that they are on the pathway to God and hope to become close to God in Paradise--after death and after the "Final Judgment"--Sufis also believe that it is possible to draw closer to God and to more fully embrace the Divine Presence in this life. The chief aim of all Sufis is to seek the pleasing of God by working to restore within themselves the primordial state of fitra described in the Qur'an -- fitra is an Arabic word meaning "disposition", "constitution", or "instinct". In a mystical context, it can connote intuition or insight (...)--, in this state nothing one does defies God, and all is undertaken with the single motivation of love of God". Some prominent Sufi musicians according to Wikipedia are Abida Parveen, Nusrat Fateh Ali Khan and Sanam Marvi, all from Pakistan. La Musique Soufie is half hour of slow and smooth music, ideal for relaxing after a workday.

For consulting the Medi 1 current programme schedule or listening to the newest or old shows visit http://www.medi1.com

The <u>Radio Havana Cuba</u> Esperanto service aired on July 27 an interesting feature dedicated to the Cuban musician Pedro Izquierdo, Pello el Afrokán, who in the early sixties created a new rhythm named Mozambique; the show is available at: <a href="http://www.ameriko.org/eo/node/715">http://www.ameriko.org/eo/node/715</a> Wikipedia info about Mozambique at <a href="http://en.wikipedia.org/wiki/Mozambique">http://en.wikipedia.org/wiki/Mozambique</a> (music)

Many thanks to Glenn and Rafael. I would like to receive your comments on what you've been listening to, so please drop me a line at <a href="mailto:listeningpost@bdxc.org.uk">listeningpost@bdxc.org.uk</a>, or by post via the Editor (address on front cover). That's all for this month. Until next time: 73 – Alan

# Collectors' Corner ~ Hallicrafters Sky Buddy

**Tim Ritchie** writes: The Hallicrafters S 19R Sky Buddy is an early World War II single conversion superhet AM / CW communications receiver. It is mains powered and has a panel at the rear to connect an aerial and earth. The frequency coverage is 545 KHz to 44 MHz divided into four ranges: (1) 540 KHz – 1700 KHz; 1.7 MHz – 5.5 MHz; 5.5 MHz – 17.0 MHz; and 16.00 MHz – 46.0 MHz.



The controls consist of main and band spread tuning dials, BFO on/off, AVC on/off, AC / audio gain and pitch control (when using BFO). Also a send / receive switch and socket for 'phones. It also has an internal speaker. Valve line up is: 6K8G, 6K7G, 6Q7G, 41, 76, 80. Operation is straightforward, tuning is smooth and the band spread does help separate out adjacent signals; it has a nice crisp audio on AM and has little frequency drift. However, it is pretty 'deaf' across most of the higher frequencies, but considering the age of the receiver that's not too surprising. Sensitivity decreases quite rapidly above 15 MHz. However, using a MFJ 1045B pre selector helps to reduce this problem. I have several World War II period communications receivers which are of a more sophisticated design but this receiver (in my opinion) has the best visual appeal. Nowadays the Sky Buddy would probably be regarded as an entry level receiver; it cost \$30 in 1939 which would have made it available to cost conscious hams & SWLs on both sides of the pond. Note: This set is in the first run of the model. A later version replaced the send / rec





See a restored Sky Buddy from 1941-42 in action, at The You Tube channel of

https://www.youtube.com/user/TheLegoboy1997, specifically at

https://www.youtube.com/watch?v=EK2w7Svka 8

See also a range of Hallicrafters' radios at <a href="http://www.qsl.net/la5ki/s.htm">http://www.qsl.net/la5ki/s.htm</a> where it is stated: "The first Hallicrafters radio, the S-1 Skyrider, was in 1932. The name "Hallicrafters" was a composite of Bill Halligan's last name, and "handcrafted." The S-Prefix continued for over three decades. The most famous "S" prefixed radio, the S-38, appeared in 1946 and continued for another for 15 years."

# Radio Mi Amigo on the waves in Harwich

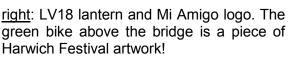


The **LV18** lightship at Harwich Quay, home to Radio Mi Amigo on 106.8 FM from 14<sup>th</sup> to 17th August 2014 - as seen from the Pier Hotel.

The LV18 has been used for offshore radio RSLs before: RNI off Clacton in 1999, Caroline in 2000 and Radio Mi Amigo in 2001. both off Harwich. She was also used in 2004, 2007 & 2009 by Pirate BBC Essex, and as Radio Sunshine in the film "Boat that Rocked"



<u>Left:</u> Bart Serlie, "The Floating Dutchman" on air on Sunday morning.



Below decks on the LV18 is now home to

the old radios and pirate radio memorabilia previously on view at the High Lighthouse in Harwich. The LV18 is open daily in the summer 11am – 4pm BST (£2 admittance) - see <a href="http://www.lv18.org/">http://www.lv18.org/</a> for details.

<u>above</u>: Jolly Roger flag flying on stern of LV18. (photos © AP / DK)



### Webwatch

#### Edited by Chrissy Brand - editor@bdxc.org.uk



Back in 1974 the thought of the vast majority of households in the western world owning several computers, from desktops to mobile phones, was hard to imagine; it was the stuff of BBC *Tomorrow's World*. Today the internet offers so much for DXers: nostalgia, current tips, audio and video, and interaction with fellow radio-heads. However, this month *Webwatch* looks at some websites which reflect shortwave and other radio in the 1970s.

But we start with BBC's *Tomorrow's World* programme. Which technologies predicted from the mid-1960s to the early 1990s actually came true? Look at the touchscreen's invention in 1991 with Judith Hann at <a href="https://www.youtube.com/watch?v=oK6iKfstF40">https://www.youtube.com/watch?v=oK6iKfstF40</a> (this is at the channel of <a href="https://www.youtube.com/user/ENGLISHvintageTV">https://www.youtube.com/user/ENGLISHvintageTV</a> ); better still, go to the BBC pages at <a href="http://www.bbc.co.uk/archive/tomorrowsworld/index.shtml">http://www.bbc.co.uk/archive/tomorrowsworld/index.shtml</a> to see the office of the future from 1969, the mobile phone in 1970 and a review of the 1970s.

Thanks to Andrew Tett we have a BDXC Audio Circle Extra. *Operation Aspidistra* is a 1975 BBC play in a series "The War in Secret" An mp3 is at: <a href="https://app.box.com/s/4d4vxp0a5c48g1ky6of6">https://app.box.com/s/4d4vxp0a5c48g1ky6of6</a> The only known surviving recordings of the *Swiss Shortwave Merry Go Round* from the 1960s & 1970s and the *Two Bobs* shows from the 1980s and 1990s are in mp3 format under The Two Bobs section of <a href="http://www.switzerlandinsound.com">http://www.switzerlandinsound.com</a>. Maybe there are BDXC members who have copies that Bob Zanotti doesn't know about? If you type "Swiss Radio International" into Youtube you come up with quite a few off-air snippets. These include some at the Radio Programme channel <a href="https://www.youtube.com/user/radprog">https://www.youtube.com/user/radprog</a> which also includes a *Sweden Calling DXers* show from 1980. <a href="https://www.youtube.com/watch?v=wCaXi0EU9Qw">https://www.youtube.com/watch?v=wCaXi0EU9Qw</a>

There is a page on Sweden Calling DXers at the Radio Sweden website:

http://sverigesradio.se/sida/artikel.aspx?programid=2408&artikel=4506968 George Wood retired from Radio Sweden last month. Follow his current blog *Notes from Sweden and Strasbourg* at <a href="http://radiowood.com/?author=1">http://radiowood.com/?author=1</a> Ian Chard has a website which includes scans of old shortwave schedules, newsletters from the 1980s and 1990s. <a href="http://rainbow.chard.org/radio/">http://rainbow.chard.org/radio/</a> The *DX Archive* com website does what you would expect. Produced by a team dedicated to preserving free radio information (landbased and offshore stations), it also includes vintage QSL cards from official broadcast stations too: <a href="http://www.dxarchive.com/">http://www.dxarchive.com/</a>

Other sites I recommend, which delve into DXing include the BBC WS in the 1970s (includes audio) at: <a href="http://www.bbc.co.uk/worldservice/history/story/2007/02/070122">http://www.bbc.co.uk/worldservice/history/story/2007/02/070122</a> <a href="http://www.bbc.co.uk/worldservice/history/story/2007/02/070122">http://www.bbc.co.uk/worldservice/history/story/2007/02/070122</a> <a href="http://www.bbc.co.uk/worldservice/history/story/2007/02/070122">http://www.bbc.co.uk/worldservice/history/story/2007/02/070122</a> <a href="http://www.bbc.co.uk/worldservice/history/story/2007/02/070122">http://www.bbc.co.uk/worldservice/history/story/2007/02/070122</a> <a href="http://www.bbc.co.uk/worldservice/history/story/2007/02/070122">httml 70s.shtml</a> <a href="http://www.bbc.co.uk/worldservice/history/story/story/2007/02/070122">httml 70s.shtml</a> <a href="http://www.bbc.co.uk/worldservice/history/st

http://loveletterfromlondon.blogspot.co.uk/2012/07/bush-house-and-beeb.html

Normal Stop covers Bush House ops since the 1950s: <a href="http://radiooperations.blogspot.co.uk/">http://radiooperations.blogspot.co.uk/</a>
while the Radio Sounds Familiar website includes to adverts and other 1970s nostalgia <a href="http://radiosoundsfamiliar.com/">http://radiosoundsfamiliar.com/</a>

The Shortwave Radio Listener's Guide - Fading from the Air and Going Online archives shortwave radio history and link to BBC Radio to encourage listening online. It includes an audio vault with Radio Netherlands' Media Network shows: http://www.listenersquide.org.uk/

Garrison Keillor's *A Prairie Home Companion* radio show started in 1974 and celebrated its 40<sup>th</sup> anniversary with a three hour programme in July 2014. You can watch it (or hear audio only) at the wonderful <a href="http://prairiehome.org/">http://prairiehome.org/</a> (go to the archive section) and their YouTube channel. <a href="https://www.youtube.com/user/PrairieHomeVideos">https://www.youtube.com/user/PrairieHomeVideos</a> I'm looking forward to seeing PHC being recorded on 5 September in Paris: <a href="http://prairiehome.org/tickets/">http://prairiehome.org/tickets/</a>

Normal service will be resumed next month...



# Southern European Report

with Stefano Valianti



**Listening in Monaco** Listening to local radio in the Principality of Monaco is to some extent similar to shortwave listening, due to the variety of languages which are broadcast. Some stations that I heard during a recent trip to Monaco and the Côte d'Azur were:

- **90.6** Médi 1, the Col de la Madone relay, in French and Arabic, also international pop music, many IDs such as "Médi 1, à Rabat 97.5" RDS "MEDI 1"
- **93.2** According to a tip in *Play DX*, I expected to find Qatar-based Radio Sout Al Khaleej FM here, however only a relay of a French station was heard, with RDS indicating it was a test transmission.
- **95.4** Radio Monaco, also on 98.2, which has become the local station of the Principality since Radio Monte Carlo, now "RMC" or "RMC Info", has lost every relationship with Monaco. (The WRTH mentions a local RMC news bulletin Mon/Fri at 0650 on 98.8 MHz only, but I couldn't check it).
- **95.7** Jazz Radio, all day jazz and funky, rotating RDS "JAZZ" "RADIO" "MONACO" "JAZZ" "AND" "SOUL"
- **96.1** Radio FG, excellent signal from Mont Agel, ID "Il est 9 heures sur Radio FG", news, *météo*, DJ with pop and electro music RDS "RADIO FG"
- **96.4** Radio Chine Internationale, in French, they also broadcast many French pop songs, RDS "R.C.I."
- **100.9** Music 100.9, transmitter in Sanremo, very good playlist, present day hits and oldies (Petula Clark's *Downtown* was on the air when I first tuned in) RDS "MUSIC"
- **101.6** Monte Carlo 2, in Italian, all day lounge music, news at 1030, 1230, 1430, 1630 RDS "MC 2"
- **103.6** CHIK Radio, transmitters both in Italy and Monaco, in Russian, many IDs and electro music, RDS "CHIK"
- **106** Plein Sud, a new station in French, transmitters are in Italy, heard with nonstop pop music and IDs on the hour RDS "PLEINSUD"
- **106.3** The local Monaco transmitter of well-known Riviera Radio, which years ago was heard also on mediumwave 702 kHz; ID is "from Sanremo to Saint Tropez and all the way out to sea, this is Riviera Radio 106.5", RDS shows "RIVIERA" "106.5" "HELLO" "BIG HITS" "LESSTALK"

On the AM bands, the local frequencies are still in their places on the dial, 218 with RMC, 702 with RCI (in Chinese, French, Italian), 1467 with Radio Maria (in French, Arabic, English) and 1557 with France Info from Nice. I hope to find them alive and well next time I come here!

Right: Studios of Radio Plein Sud, a new French station run by volunteers <a href="http://radiopleinsud.e-monsite.com/">http://radiopleinsud.e-monsite.com/</a>



But of course, none of the many stations heard here today can match the flavour of the old Radio Monte Carlo, la "radio du soleil" on "1400 mètres ondes longues" in 1974...

#### Radio Monte Carlo 40 years ago

The schedule of Radio Monte Carlo, 218 kHz, 1376 metres, for Monday, 30 December 1974:

0530 s/on with Jose Sacre, with news at 0530, 0600, 0615,

Journal at 0630, 0645; weather at 0650

0700 Frederic Gerard with Journal at 0700 and 0800, news and weather at 0730 and 0830

0900 Daniel Askain

1000 Jean-Pierre Foucault with Maurice Mességué

1200 Zappy Max presents Leave or double

1300 Liliane Rose

1500 Fifty years of songs, with Jean-Claude Laval

1600 Look for the disc

1700 Taxi

1800 Guy Vial with news at 1800 and 1830, weather at 1835

and Journal at 1845

1900 Hit-Parade with Julien Lepers

2230 Journal

2245 Les routiers sont sympa (programme for truck drivers also on Radio-Luxembourg 236 kHz)

2400 Christian Alexandre with Journal at midnight, at 0100 news and s/off with national anthem



With James Welsh - mailto:propagation@bdxc.org.uk Links: www.jameswelsh.org.uk

#### **Propagation Summary**

During the second half of August, Solar activity was at very low levels. This period saw predominately B-class flare activity with isolated C-class flare activity, especially late in the period. The largest event of the period was a C2 flare at 0930 UTC on 16 August.

In addition to the C2 flare, two additional low-level C-class flares contributed three low-level C-class flares this period. A Coronal Mass ejection also arrived at earth late on August 19.

The Solar flux was at normal levels on 12 Aug. With normal to moderate levels observed on 11, 13-17 Aug. Geomagnetic activity was quiet on 13-16 Aug, followed by quiet to unsettled levels on 11 and 17<sup>th</sup>, and quiet to active conditions were observed on 12 august to a Coronal Hole High speed Stream (CH HSS).

#### Propagation Forecast Up to 13 September.

Solar activity is expected to be low throughout the period with a slight chance for M-class flare activity from 21 Aug - 06 September. The Solar flux at is expected to be at normal to moderate levels throughout the period. Geomagnetic field activity is expected to be quiet on 09-13 September. Quiet to unsettled levels are expected on 06-08 Sep due to CH HSS effects.

#### **Solar Cycle Progress**

Sunspot numbers have dropped so far during 2014,and a further downward trend is forecast for 2015. ( <a href="http://www.swpc.noaa.gov/SolarCycle/">http://www.swpc.noaa.gov/SolarCycle/</a>)

Current optimal frequency charts can be found at: <a href="http://hfradio.org/latest\_chart.html">http://hfradio.org/latest\_chart.html</a> and there are more regional charts and maps at: <a href="http://www.hamqsl.com/solar3.html#hfprop">http://www.hamqsl.com/solar3.html#hfprop</a>





# **QSL Report**



edited by Dario Gabrielli qsl@bdxc.org.uk Dario Gabrielli, Viale della Resistenza 33b, IT- 30031 Dolo (Ve) Italy

<u>Albania:</u> China R International 13710 kHz. English programme. QSL card received in 32 days for postal report. QSL is endorsed "via Albania". The card is from the "The Great family of the Chinese nation" series, number 56-45 and features a young lady from the Jino ethnic minority doing some weaving. (ARo)

<u>Austria:</u> <u>Voice of Vietnam</u> 9625 kHz. English programme. Two QSL cards for two separate postal reports received in 47 days. First QSL features a fantastic Black and White photograph of a H'Mong Lady. The second QSL features a colourful photograph of rolling terraced hills

captioned "Che Tao Commune, Vietnam". (ARo)

<u>Canada</u>: <u>CKDO</u>, <u>Oshawa ON</u> 1580 kHz. e-QSL email received in 1 day for report sent via their online contact form at <a href="http://www.ckdo.ca/">http://www.ckdo.ca/</a> Email from Music Director, Gary Bernarde. (AP)



<u>China</u>: China R International 17490kHz.

English programme. QSL card received in 32 days for postal report. QSL card is from the "The Great family of the Chinese nation" series, number 56-46 and features a young lady from the Jing ethnic minority. Also received a nice postcard in the same series, this as series number 56-48 and features another young lady, this time from the Mulao ethnic minority group. CRI also sent a copy of their quarterly magazine and a very nice set of paper cuts. (ARo)

<u>Cuba:</u> Radio Havana Cuba 5040 kHz. Two QSL cards received in post in 130 days in reply to email report sent to <a href="mailto:inforhc@enet.cu">inforhc@enet.cu</a> for English test. One card from Correspondence Dept and one card signed by Arnie Coro CO2KK. (AP)

<u>Finland:</u> SWR Finland 11720 kHz. E- QSL received after 5 days for reception report sent to: info@swradio.net (RC)

**Germany**: Mighty KBC 6095 kHz via Nauen. English programme+MFSK64. e-QSL in 10 hours for reception report with audio clip sent to <a href="mailto:themightykbc@gmail.com">themightykbc@gmail.com</a> (RM)

Mighty KBC 6095 kHz. e-QSL received in a few hours for email report sent to: themightykbc@gmail.com (AJT)

<u>TWR-Europe</u> 6105kHz. English programme. e-QSL (in jpg format) received in 9 days for postal report to TWR-UK, P.O Box 606, Altrincham, WA14 2YS, UK. email reply received from Austrian office (Kalman Dobos at <a href="kdobos@twr.org">kdobos@twr.org</a>). QSL features a sunset photograph of antenna towers. (ARo)

<u>Guam:</u> International Radio for Disaster Relief via KTWR 15650 kHz. e-QSL card received in 7 days for email report sent to <u>info@twr.asia</u>. Card was for special IRDR test in English via KTWR and pictures KTWR transmitters. Verifier-signer Kathy Gregowske who also attached a KTWR schedule. (AP)

<u>Guam International Radio for Disaster Relief</u> via KTWR 15650 kHz. QSL card received in post in 28 days for email report sent to <u>info@twr.asia</u>. Had already received an e-QSL for this report (see QSL Report August). As well as card signed by Kathy Gregowske, also sent a personal letter, KTWR schedule and religious tract. (AP)

<u>International:</u> <u>HFCC trial program on International Radio for Disaster Relief</u> project 15650 and 21840 kHz. QSL postcard received in 32 days for reception report sent to info@hfcc.org (TA)

<u>Kuwait</u>: Radio Kuwait 15540 kHz, English programme. Full data QSL certificate for report sent to <a href="mailto:kwtfreq@media.gov.kw">kwtfreq@media.gov.kw</a> on 26/04/2013 with follow up on 11/10/2013. v/s Khaled Al-Ali, Asst. Under Secretary of Engineering Affairs (RM)

<u>Mariana Islands</u>: <u>Radio Free Asia</u>. 9975 kHz via Tinian. Korean prog. Full data QSL card (dan tranh musical instrument) in 24 days for reception report with audio clip sent to <u>qsl@rfa.org</u> (RM)

Radio Free Asia 15425 kHz via Tinian, Korean programme. Full data QSL card (IBB's Iranawila relay site picture) received in 21 days for report with audio clip sent to qsl@rfa.org (RM)

<u>Pirate:</u> <u>Bluebird</u> 1638 kHz. e-QSL received in 69 days for email report sent to: bleubird1944@hotmail.com (JGa)

<u>Free Radio Bumbelstock</u> 6240 kHz e-QSL and 5 studio pictures returned in 1 day for email report sent to freeradiobumbelstock@hotmail.com (JGa)

Radio Technical Man 6200 kHz. e-QSL received in 21 days for reception report sent to technicalman@hotmail.nl (RM)

<u>Tips and Elvis Show</u> 6220 kHz. e-QSL received in 1 day for report with audio clip sent to t.eshow@hotmail.com (RM)

Radio 5 6300 kHz e-QSL received in 7 days for email report sent to swch@live.nl (JGa)

<u>Wie Wat Woar</u> 95,90 MHz after report sent to:Radio Wie Wat Waor, P/a De Dorpskern, Johannes Poststraat 59, 7918 AB Nieuwlande, Netherlands got in return after 80 days: unsigned selfprepared QSL & letter & logo & Ruimzicht sticker (JGa)

Norton 6320 kHz. e-QSL received in 42 days for email report sent to radio.norton@hotmail.com (JGa)

Zender Akenzo 6305 kHz. e-QSL received in 1 day for email report sent to horizonradio@hotmail.com (JGa)

<u>Carmen Radio</u> 6666 kHz. e-QSL received in 1 day for email report sent to <u>carmenradio@hotmail.com</u> (JGa)

Radio Nordsee International 6210 & 6205 kHz. 2 QSLs received & 1 picture postcard received & 1 QSL card of Radio Paradise (Operator Hannibal of RNI wrote: "for many years I was also by radio paradise active" address at envelope all sent by post to me in about 8 weeks in answer for my postal report sent to Radio Nordsee International PO Box 2209, D-77612 Offenburg, Deutschland (JGa)

Radio Batavia 1539 kHz. e-QSL received in 1 hour and 20 minutes for email report sent to: radiobatavia@hotmail.com (JH)

Good Ship Venus 6266 kHz e-Qsl received in 22 minutes for email report sent to jonger34@hotmail.com (JGa)

Romania: Radio Romania International 9540 Khz. Colour QSL card, stickers, calendar, schedule and letter received after 6 weeks for mailed report send to Radio Romania International, PO Box 111, 014700 Bucharest (Romania) (JK)

<u>USA</u>: <u>WRMI</u> 9955 kHz, Spanish program. Full data QSL card (WRMI Conference Room) in 110 days for reception report with audio clip sent to <u>info@wrmi.net</u>. v/s Jeff White (RM)

Radio Free Asia, 13675 kHz, Mandarin program. QSL received in 6 days for email report to: techweb.rfa.org/files/qsl front.html (AJT)

<u>VOA Radiogram</u> 15670 kHz in MFSK32. Radiogram 62 was aired the week that some international stations made the Trial of International Radio for Disaster Relief (IRDR) and the transmission included an item about the event. Kim Andrew Elliott encouraged sending reception report to:radiogram@voanews.com with c.c. to <a href="mailto:info@hfcc.org">info@hfcc.org</a>. 16 days after was received a special QSL card of the Trial direct from the HFCC headquarters in Prague verifying my reception report with audio clip of the Radiogram broadcast. Radiogram 62 e-QSL was received from VOA after 6 days for the same reception report. (RM)

<u>AWR Wavescan</u> via WRMI Okeechobee FL 15770 kHz. QSL card received in post in 15 days for email report sent to <u>wavescan@awr.org</u>. Card pictured AWR President, Dr Dowell Chow in WRMI studio. Verified signer was Dr Adrian Peterson who also sent AWR Wavescan contest details, a religious tract and postcard of Indiana. (A separate QSL card for same report received in post 6 days later!) (AP)

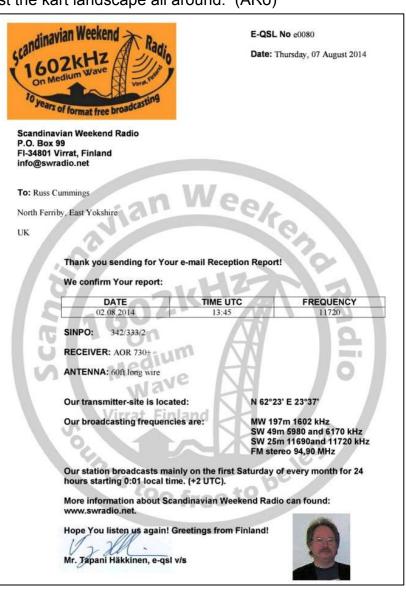
<u>Vietnam</u>. <u>Voice of Vietnam</u> 9730kHz. English program. QSL card for a postal report received in 47 days. The QSL features a beautiful view of Ha Long Bay, Vietnam, with Turquoise blue water and red Vietnamese boats amongst the kart landscape all around. (ARo)

#### Dear friends.

Many thanks for continued contributions to the section that I hope can continue in future to make this page better. Please remember to include details about the programme or department of the radio stations that you received confirmation from (e.g. English, French programme etc.) and the postal or eMail address where you send the reception report.

**NOTE:** When you received a normal paper QSL please write in your contribution "QSL", while if you received any Electronic Card please inform in this way: "e-QSL card". Thanks **Dario** 

Right: The e-QSL received recently from Scandinavian Weekend Radio in Finland by Russ Cummings (RC)



## Radio Australia visit in 1991

By Julian Watson

I was reading with a heavy heart about what's happening at Radio Australia. I have fond memories of the station, having visited their then headquarters in 699 Highbury Road, Glen Waverly in Victoria back in March 1991.

I was met by a most helpful man by the name of Keith Synott, who was a key player in the publicity department and he showed me all around the studio complex. At that time they were all talking about a move to Ultimo, Sydney, which was subsequently completed. The photo is of me in March 1991 sitting in the chair of their New Guinea studio at Radio Australia-being Melbourne and in March jumpers were comfortably worn!

I really hope that Radio Australia will be able to continue, even in a reduced form, as there are so many communities that benefit from its vibrant and culturally rich output. Perhaps a word to Prime Minister Tony Abbot himself



might be in order with so many staff facing an uncertain future?

Below is some of the publicity from the station I picked up from the department on the visit.

Nauru	Kiri	bat	i '	Tuv	alu	1	Cod	ok I	Isla	nds	F	iji	To	nga	S	am	oa						
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17860 kH;	-							/5100					T		T					1	065/\$1		1 100
17795 kHz	-	-						-0	90/51	00							-				_	/S100	
15365 kHz	-			_		_	050	/S100				- 0								100	050/S	-	
11910 kHz			1.				_			065	5100								-		0007.0		
11880 kHz															-			-				non	/S100
1800 kHz					- 7												- 070	/510	0	-	-	030/	3:00
11695 kHz																	1	7010	<u>*</u>		- 0	55/51	00
9860 kHz				9-10																8	-	1	/S100
9580 kHz			34				2						070/5	100								-	/S100
5995 kHz																	- 070	/\$10	0			430)	3100



PETER THOMPSON Presenter AM



RICHARD PALFREYMAN Presenter The World Today



PAUL MURPHY Presenter PM



PETER JEPPESEN Presenter Australia Tonight



GEOFF HOWARD presents Australia's most widely heard News Bulletin - the

Friends of the ABC (Australian Broadcasting Corporation) represents the Australian public interest in its national public broadcaster. It comprises Friends of the ABC organisations from every Australian state and territory working together in a national campaign. See <a href="http://www.abcfriends.org.au">http://www.abcfriends.org.au</a> Thousands have been protesting against the Conservative government's massive cuts to the ABC, which includes Radio Australia.



### **U.K. & Ireland News**



Edited by Dave Kenny - news@bdxc.org.uk

#### **Medium Wave**

**A 12 year licence renewal has been granted to** Panjab Radio London Ltd / Turkish Gold Radio, which broadcasts on <u>1584 kHz</u> in North London. (Ofcom radio update 5 August)

#### FM community radio

**The Hub** (Cornwall 106.1 and 106.4 MHz) now has its third transmitter up and running. Frequencies are St Mawes (200W mixed on 106.4), Megavissey (25W vertical on 106.4), Truro (200W mixed on 106.1 MHz)

**Penwith Radio** (West Cornwall 96.5 and 97.2 MHz) launches on 30 August after two weeks of tests. The transmitters are at Penzance (25W vertical on 96.5) and St Just (25W vertical on 97.2) with coverage from Sennen in the west to Hayle in the east. The station is based at Wharfside Shopping Centre, Market Jew Street, Penzance, TR18 2GB. www.penwithradio.co.uk



**Quay FM (Alderney)** When Quay FM starts up under its new community radio licence it will be with a new frequency and from a new location at the Harbour. Chief Executive Colin Mason OBE said it would take about six months for negotiations with the French over what frequency could be allocated to the station. That would also give them time to convert their new Braye Lodge headquarters into a radio station and train volunteers. (The Journal 13 June via DJM)

#### The timetable for inviting applications for community radio licences has been revised.

**East of England** Ofcom will be accepting applications from the next region, East of England (with Northampton-shire and Milton Keynes) from Wednesday 24 September. The closing date for submissions is 5pm on Tuesday 16 December.

**South East England** Ofcom has amend the region covering south east England, it will now be split it into two separate regions - south east England (outside the M25), and Greater London and other areas within the M25. By inviting applications from smaller geographical areas, Ofcom hopes to be able to reach licence award decisions more quickly.

**Midlands**. The closing date for applications from the Midlands was 24 June 2014. One more application for this region has been included - 6 Towns Radio (Stoke-on-Trent area). [see full list of other applicants in August UK News)

#### FM commercial radio

Radio Hafren now on FM - According to their Twitter announcements, Radio Hafren who broadcast to Mid-Wales on 756 kHz have also been broadcasting on 102.1MHz for Newtown, Welshpool



and the surrounding area since 11 August. More info at <a href="www.radiohafren.co.uk/fm/">www.radiohafren.co.uk/fm/</a> (Nick Rank, 16 August). Tests from Radio Hafren reported on 102.1 MHz in late July. The new transmitter is on the Dolfor to Kerry Road in Newtown, initially running 500W but will increase to 1.6 kW once a permanent mast is installed. (posts on digitalspy 28 July)

**The Pulse** has moved to new studios on the top floor of One St James Business Park, Bradford. The station had been based at Forster Square, Bradford, since its launch as Pennine Radio in 1975. It has also rebranded to Pulse 1 to match its sister station Pulse 2, following similar branding of other stations in the UTV group (Signal 1 / Signal 2 etc). (Radio Today 28 July)

### **Current short-term RSLs (Restricted Service Licences)**

RSL Area	MHz	Station ID	Purpose	<u>Dates</u>				
Birmingham	87.7	Indus R	community trial & Mela	20 Aug-16 Sep				
Bridport	87.7	Bridport FM	radio project/literary events	s 15-21 Sep				
East Wordham, Alton	87.7	Jalsa FM (main)	Muslim convention	27 Aug-1 Sep				
Goodwood, Chichester	87.7	Goodwood Revival R	race commentary	10-14 Sep				
Inverness	106.1	Monster FM	student & community trial	1-28 Sep				
Isle of Wight*	87.7*	Bestival FM	music festival	4-7 Sep				
Keighley	102.1	Hajj FM	Најј	10 Sep-7 Oct				
Kenilworth	87.7	Nationals FM	horse event - dressage	18-21 Sep				
Tarrant Hinton, Dorset	87.9	Steam Fair FM	Great Dorset Steam Fair	23 Aug-1 Sep				
*station not confirmed by Ofcom as of our publication deadline								

### **DAB Digital Radio**

**Triple MuxCo Somerset** has applied for a change of frequency for its forthcoming Somerset DAB multiplex. Under the proposals, the multiplex would be assigned to VHF Block 10B instead of 10D when it launches in September. Ofcom says that changing the frequency is likely to reduce levels of interference and thus improve local DAB coverage overall. (a516digital 8 Aug)

**Yorkshire multiplex closure** The last remaining MXR regional DAB multiplex is to close in ten months time, Ofcom has confirmed. Four other regional multiplexes operated by MXR have closed over the last couple of years. The Yorkshire licence has not been renewed, meaning stations on the multiplex with either have to move to alternative local multiplexes, or fall silent by June 2015. MXR Yorkshire carries Heart, Capital, Gold, Smooth, UCB Gospel, UCB Inspirational, XFM and Radio Yorkshire – a digital-only station from Leeds. (Radiotoday)

DAB multiplex changes approved by Ofcom
Bradford/Huddersfield - Addition of Paigham Radio (a station for the Muslim community)

### **Radio Museums Update**

Harwich radio museum closes, exhibits move to LV18 A trustee of one of Harwich's most iconic landmarks has decided to step down after a battle with ill health. Local musician and historian Tony O'Neil has called time on his occupancy of the High Lighthouse in West Street after suffering a heart attack last year. The 90ft building originally built in 1818 was the home to the National Vintage Wireless and Television Museum from 1995 and Mr O'Neil headed a trust which totally restored the interior. Thousands of pounds was spent on the four-year transformation of the lighthouse including new electrics, fire alarm systems, staircase and further health and safety improvements. Mr O'Neil is saddened to have to hand back the keys to owners Tendring Council but believes he has to put his health first. "After suffering a heart attack a year ago I am sad to give up the building but 100 steps to the top is now unrealistic for me," he said. Mr O'Neil is also the curator and trustee of the LV18 – the last manned Trinity House lightvessel - which was installed on Harwich Quay after a 12 year fight in 2011. The incredibly vast collection of radio equipment from the lighthouse will be officially moved and unveiled on the ship in the coming weeks. (Harwich & Manningtree Daily Gazette 8 July via Mike Barraclough)

The museum has now closed, but part of the collection can be seen on the LV18 Lightvessel which is moored next to the Ha'Penny Pier in Harwich, open daily 1100-1600 until end October.



# **Medium Wave Report**





<u>Bulgaria</u> Radio Blagoevgrad informed its listeners today that the 75kW mediumwave transmitter on 864 kHz in Belo Pole had been switched off on 1 August. The station now broadcasts only on the FM band. The only remaining MW broadcasts on the air in Bulgaria are:

576 kHz BNR1 Horizont via Vidin-Gramada (transmitting on half-power, only 200kW)

And the low power relays on:

747 kHz (Salmanovo, 10kW);

864 kHz (Samuil, 10kW);

963 kHz (Kardzhali, 50kW);

1161 kHz (Targovishte, 10kW and Dulovo/Vodno, 10kW), which carry both Radio Bulgaria programmes for the Turkish-speaking minorities in the country and BNR1 Horizont.



The longwave transmitter carrying BNR1 Horizont and the Parliament Channel on <u>261 kHz</u> (Sofia-Vakarel, 75kW) is also active. (Georgi Bancov dxld yg 4 August)

The two frequencies earmarked for private stations in Bulgaria are <u>963 kHz</u> (not 828 as reported last month) and 1161 kHz. (Rumen Pankov)

**France** CSA announces call for MW nominations for Brittany. This is good news! The Higher Audiovisual Council (CSA) has on 5 August announced the launch of a call for applications for medium wave in Brittany. Bretagne 5, which will be a candidate for obtaining a frequency in the context of this appeal, welcomes the decision of the CSA. It is more than 14 years since the team at Bretagne 5 started work for the use of medium wave, especially in order to develop new radios in rural areas. With this call, the CSA provides a real opportunity for new radios to use medium wave and enrich the Breton radio offerings. (Bretagne 5 web site 5 Aug via AP)

<u>Greenland</u> Good news from Greenland! It has been revealed that <u>KNR</u> is to reinstate three mediumwave frequencies following a lot of criticism about the lack of reception of KNR on the sea and outside towns and villages in Greenland. The three frequencies are:

Qegertarsuag - 650 kHz (5 kW) - due on the air in October or November 2014

Nuuk - 570 kHz (5 kW) - due on the air in January, February or March 2015

Simiutaq, Qagortoq - 720 kHz (10 kW) - due on the air around 1 June 2015

With the reopening of these three MW frequencies, all plans about the launch of a Short Wave transmitter in Greenland have been given up for the time being. When all three MW transmitters are back on the air, it will decided if more MW frequencies are to be relaunched.

And 650 kHz is of course the most commonly reported KNR frequency in Europe.

Best 73's (Stig Hartvig Nielsen, Denmark - 20-25 August WRTH Facebook page)

<u>Italy</u> Mark Dezzani on Facebook reports that a 1kw transmitter in North Italy is operating on 1386 kHz. There were some broadcasts on Friday, Saturday and Sunday as <u>Radio Seborga International</u>, email RadioSeborga@gmail.com. Mark says this was a pop-up station. Last night the transmitter was relaying Radio Caroline from at least 1700 when Mark's show started. No regular schedule posted, recordings on Mark's timeline at his location in Seborga and from a listener in Nice are for evening reception. Radio Seborga International was also heard in Surrey late Saturday evening/early Sunday morning by Graham Foy who says he has been hearing continuous music on 1386 late evenings for a few months now. (Mike Barraclough 5 August)

<u>AM1</u> from Milano has been on 1386 kHz in recent months but was observed here on 1350 kHz on 21 August from 2330 tune-in until abrupt close at 0000 utc with IDs in Italian and English. Roberto Scaglione via Dario Monferini tells me that this was a one day test only, and that AM1 has now returned to 1386 kHz. (ed)

<u>Lithuania</u> New schedule of MW transmissions from Sitkunai, Lithuania, received directly from Rimantas Pleikys, Radio Baltic Waves International project co-ordinator:

Kaunas / Sitkunai, 1386 kHz, 75 kW

0200-0330 Radio Free Europe/Radio Liberty, Russian

0330-0400 NHK World, Russian

0400-0500 Radio Free Europe/Radio Liberty, Belarusian

1730-1800 NHK World, Russian

1800-1900 Radio Free Europe/Radio Liberty, Russian

1900-2000 Radio Free Europe/Radio Liberty, Belarusian

2000-2100 Polish Radio, Belarusian

2100-2200 Radio Free Europe/Radio Liberty, Russian

612 kHz is not used any longer; this transmitter was switched off on 17 August. Note the shortened relay of RL Belarussian (now only 2 hours per day) and the new relay of RL Russian (3.5 hours per day). Reception reports are welcome and will be confirmed. Email: riplei@takas.lt

Postal address: Rimantas Pleikys, Radio Baltic Waves International, Algirdo Str. 13-9, Vilnius, LT-03219 Lithuania. (Dmitry Mezin, Kazan, Russia - mwdx yg 19 August)

Pakistan New 100 kW 711 kHz transmitter at Dera Ismail Khan. Radio Pakistan has installed a new high-power transmitter at Dera Ismail Khan (NW Frontier Province) to boost reach and quality of its broadcasts. The transmitter will be inaugurated at a ceremony at DI Khan on 7 August where Director General Pakistan Broadcasting Corporation Samina Parvez will be the chief guest. The new 100 kW transmitter, installed with the assistance of USAID, replaces 10 kW low power transmitter. The new digital transmitter is strong enough to carry broadcasts of DI Khan Radio to a radius of 160 km during day time and over 400 km at night, making broadcasts audible in entire KPK,FATA, many areas of Balochistan, Punjab, Gilgit-Baltistan and some areas of Afghanistan. The project is part of the plan being implemented by Radio Pakistan to replace old transmitters with modern digital transmitters. <a href="http://www.radio.gov.pk/newsdetail/66055/3">http://www.radio.gov.pk/newsdetail/66055/3</a> (via Alokesh Gupta, dxsasia 7 Aug via BC-DX)

<u>Russia</u> Radio Bonch, St. Petersburg, on 1593 kHz is a students' station of the Bonch-Bruyevich State University of Telecommunications. I myself organised test MW transmissions. We plan to get a constant licence for amateur radio broadcasting as Radio Magic Eye of Moscow did. And, of course, me and Omar plan to launch DX programme of St. Petersburg DX Club via this station (Alexander Beryozkin, St. Petersburg, 16 July, DSWCI DX Window)

<u>Sri Lanka</u> PCJ Radio International's new programme for listeners in India coming soon. Song of India will feature classic Bollywood songs as well as other classic hits from Southeast Asia, UK, US, Australia and more. The date and time of the first program will be announced soon. The frequency will be 1125 kHz mediumwave [via Puttalam, Sri Lanka-ed]. (Keith Perron 26 July on PCJ Media and PCJ Radio Facebook page)

<u>Turkey</u> Still active in Turkey on medium wave are <u>891 kHz</u> Antalya (Aksu) and <u>927 kHz</u> Izmir (Cumaovası). There are, again, the only two regional studios. The daily broadcasts start with a local announcement 0255 GMT, followed by the Turkish national anthem. The regional programmes end at 1700 GMT and they then relay the information programme Radyo Bir. (Rumen Pankov 10 August via Dario Monferin)

Mauno Ritola (Finland) confirms that TRT is still also active on <u>630 and 1062 kHz;</u> Mustafa Cankurt in Turkey confirms that 702 kHz is now off air. (Mauno Ritola WRTH 22 Aug)

<u>Ukraine</u> <u>UR1</u> reported in late July on <u>549 kHz</u> (Mykolaiv) and <u>711 kHz</u> (Dokuchaievsk). (Reports in RusDX 27 Jul- 3 Aug)

<u>USA</u> <u>Radio Disney</u> is selling all but one of its AM radio stations and says it is focusing more on digital distribution and away from broadcast. The company partners on digital services such as SiriusXM and has new deals with ShowMobile, Slacker and Aha Radio. There is also a Radio Disney app for iPhone, iPad and Android phones. The company plans to sell 23 out of its 24 AM stations, effective 26 September. The one station its keeping, KDIS(AM), Los Angeles, will originate Radio Disney's national programming. (Radio World 8 August) Stations being



sold include WQEW AM 1560 in New York - which is often logged in Europe.(ed)



# **DX News - Short Wave**

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Algeria A14 schedule of Radio TV Algerienne via Issoudun, France (all 500 kW to N Africa) 0400-0459 7295 Arabic Nat. Chaine 1 0500-0559 7295 Arabic Nat. Chaine 1 0500-0505 9535 French news bulletin 0505-0559 9535 Arabic Holy Quran px 0600-0605 11985 French news bulletin 0605-0659 11985 Arabic Holy Quran px 1800-1900 13820 Arabic Nat. Chaine 1 1900-2000 11765 Arabic Nat. Chaine 1 1900-1905 13820 French news bulletin 1905-1959 13820 Arabic Holy Quran px 2000-2100 9375 Arabic Nat. Chaine 1 2000-2005 11765 French news bulletin 2005-2059 11765 Arabic Holy Quran px 2100-2200 7495 Arabic Nat. Chaine 1 2100-2105 9375 French news bulletin 2105-2159 9375 Arabic Holy Quran px 2200-2205 7495 French news bulletin 2205-2259 7495 Arabic Holy Quran px (Swldxbulgaria Blog 23 August)

<u>Australia</u> Many of Radio Australia's own programmes were cancelled in August as part of the recent cuts, with airtime replaced by relays of ABC domestic networks such as Radio National and Triple J. The RA web site on 19 August states "We are in the process of updating our radio schedule. We're introducing some new shows and some existing ones have moved to new time slots. Please stay tuned, we'll be publishing the full new schedule soon." The good news is that so far there have been no cuts to shortwave frequency usage. (various reports Aug 2014)

Reach Beyond Australia (ex HCJB) seemingly now on 11590 kHz throughout the 1225-1500 UTC period. (Wolfgang Bueschel BC-DX 30 July)

<u>Vintage FM</u> via the facilities of OzyRadio is back on air on 3210 kHz. Heard at 1105 UTC on 19 August. (lan Baxter-Australia dxld yg)

<u>Azerbaijan</u> <u>Ictimai Radio</u> in FM mode was back on its traditional frequency on 9677v (ex 11760) observed around 1730 UTC on 13 August (Bulgarian SW Blog) *This Baku-based station is probably intended to jam the Nagorno-Karabakh (pro Armenian) Voice of Justice on 9677. (ed)* 

**Bulgaria / Qatar** The audio of the Arabic channel of <u>Al Jazeera TV</u> was observed on 14 August by the Bulgarian DX Bloggers testing on 15760 at 0400-1555 and 7300/7305/7310 kHz from 1600-0355. HFCC Registrations for 15 August gave the schedule as 0700-1555 on 15760 and 1600-0655 on 7305 kHz via Kostinbrod. Presumably a test as not heard since (as of 23 August)

<u>China</u> The Bulgarian DX Bloggers reported that <u>CRI</u> suspended transmissions on a number of frequencies from the Urumqi site between 1-20 August. Presumably these were off the air for scheduled maintenance.

<u>Cuba</u> Arnie Coro mentioned these frequency changes for <u>Radio Habana Cuba</u> on his 'DXers Unlimited' programme last night (heard at 0430 UTC 30-July on 6000 kHz):

from 25th July RHC have dropped 9550 kHz at 1100-1300 UTC and dropped 15340 kHz at 1300-1500 UTC [all were Spanish]

But from 25th July RHC have extended its use of 11760 kHz (100 kW) after 1500 UTC, now until 1900 UTC.

From 1500-1800 UTC 11760 now broadcasts the 'Cuba Online' programme in Spanish (previously only on the internet).

Plus from 1800-1830 11760 now has Arabic and from 1830-1900 now has Portuguese\*\*.

No changes to English frequencies mentioned. (Alan Pennington)

\*\*Glenn Hauser reports hearing Creole instead of Portuguese on 29-30 July.:

<u>Finland Radio Gramox</u> is now operating on 3960 kHz with 50 W from Hämeenkyrö (Tampere), Finland. <a href="http://www.gramox.fi">http://www.gramox.fi</a> (via Mauno Ritola WRTH Facebook 9 August). The station plays old Finnish music from the 1920s to the 1960s and launched in 2013. It broadcasts locally on FM 106.8 MHz and has a low-power short wave licence for 3960, 7230 and 25760 kHz as well as medium wave 729 kHz medium wave (web site says 729 "coming soon"). Of the three shortwave frequencies, only 3960 is currently active. Heard here with a very weak signal around 2300 UTC on 9 and 24 August, only audible in LSB due to DRM interference from 3965.

<u>Scandinavian Weekend Radio</u>, Finland's other licensed shortwave station, broadcasts only on the first Saturday of each month starting at 2100 UTC Friday until 2100 Saturday. Frequencies are 5890 or 6170 plus 11690 or 11720, although the 11 MHz transmitter has been off for several months. Russ Cummings reports "I think SWR, Finland is now on 11720 at 1335 UTC although their schedule states 11690 kHz is on at this time. Currently playing heavy rock, SINPO 34223, lots of noise and static crashes (Russ Cummings, 2 August - BDXC-News yg)

**Germany** A new low-power private shortwave station called <u>Europa 24</u> / <u>Europe 24</u> has started testing from Datteln, Germany on 6150 kHz. First reported in July with low power tests and thanks to a tip from Harald Kuhl heard testing around 2300 UTC on 2 August with recorded IDs in English, German and Dutch, announcing as "coming soon... Europe 24 ... information and entertainment station for the whole of Europe". Good signal in UK at this time. Also heard subsequent days approx 1600-2330 UTC. The station's registered address is: DG2YID, Bernd Feyock, Johann-Strauss-Str. 22, 45711 Datteln. HFCC has registered 0600-1900 UTC with 15 kW. (Wolfgang Büschel, Andree Bollinn, via BC-DX; Harald Kuhl, Dave Kenny)

Radio Andernach on 7325 kHz DRM signal from German army station Radio Andernach was observed on 7325 kHz on 3 Aug at 0205UTC. No audio decoded, but the DRM text shows "Mmedia, German, Germany, audio conditional access --- Information, Radio Andernach". Web site http://www.radio-andernach.bundeswehr.de/ (via Google translate): "Radio Andernach offers a 24-hour full programme: In Kosovo and Afghanistan, soldiers can receive the channel on FM. In addition, for relatives at home Radio Andernach is also available via web stream." (Alan Roe)

<u>Greece</u> <u>ERT Open</u> have posted (15 July) a summer frequency schedule online as follows (times listed on website as Greece Time, converted here to UTC):

1200-0350 9935

1200-0800 9420

0100-0800 15630

1200-1950 15650

2000-0050 15630

0400-0800 11645

Actual operating times vary considerably from the above - but I am impressed (and amazed) that the programmes of ERT Open continue at all. (Alan Roe 17 August)

<u>Laos</u> <u>Lao National Radio</u> heard on 6130 kHz at 1359 UTC on 5 August with usual theme music before segment in English; heard bits & pieces of their normal ID; "This is the Lao National Radio, broadcasting from Vientiane capital, the Lao People's Democratic Republic. Our news in English program broadcasts at 2100 to 2130 hours local time daily, which is transmitted on AM 567 kHz. on medium wave and on AM 6130 kHz. on shortwave"; poor, but pleased to find they still have English at 1400 UT. (Ron Howard-California, -USA, wwdxc BC-DX TopNews 6 Aug)

After several days with just a carrier on 6130 kHz tonight I have a good readable signal from LNR, Vientiane domestic service at 2230 UTC. (Harald Kuhl, listening in N. Denmark, 12 Aug)

<u>Lithuania</u> Only two transmissions remain on SW per Aoki, both relays of other stations: 0100-0400 RFA in Uighur on 9400 0430-0500 NHK Russian on 6165 (Glenn Hauser dxld)

<u>Netherlands</u> Radio Netherlands cancels last remaining SW broadcast Radio Nederland has announced that after prolonging SW for two years (only for a half hour M-F broadcast in Spanish), that too is being cancelled as of 2 August - no more SW at all. Had been 0000-0030 UT Tue-Sat via WHRI 9895, presumably now silent. However, some programs (? Is that what to call them?) remain via other media (Glenn Hauser, dxld yg 4 August)

Papua New Guinea The only active PNG stations on shortwave as of 3 August are:

3205 Radio Sundaun 3260 Radio Madang 3385 Radio East New Britain (Craig Seager, Australia. Dxplorer)

3235 NBC Southern Highlands reactivated 18 August. (Ron Howard, dxld yg)

Peru A new SW\_station in La Libertad Department has been registered on 4910 kHz with 1 kW. (Thomas Nilsson, Sweden, SW Bulletin 20 July / Glenn Hauser dxld). Glenn Hauser has discovered three more previously unknown and potentially new SW stations in the list of new authorisations - presumably these are planned and not yet on the air: 5020 kHz 5 kW Amazonas, Chachapoyas, Asociación Católica San José. Planta: Av. Aeropuerto s/n, Afueras de la Ciudad Chachapoyas; Estudios: Jr. Amazonas No. 1177 5050 kHz, 1 kW: Empresa Radiodifusora Comercial Amistad S.C.R.L., Planta: Zona la Cantuta, Chiquian, Ancash, Bolognesi, Chiquian; estudios: Plaza de Armas s/n Chiquian, ibid. 4940 kHz 1 kW: Asociación Promotora "San Francisco Solano", Planta y Estudios: Esquina de las Calles Rioja con Iquitos, Ucayali, Atalaya, Raymondi (dxld yg)

**Poland / Germany** While scanning the bands I logged Polish Radio in English via Radio 700 on 7310 kHz around 1440 utc on 24 July. Checked the next day and Polish Radio heard from signon at 1430 utc with sign-off at 1500 utc. Fair reception. (Edwin Southwell) When checked on 21 August a Radio 700 programme in German was being carried in the 1430-1500 slot (dk)

Russia Voice of Russia, which suspended shortwave broadcasts on 31 March due to financial difficulties, has registered an extensive SW schedule with the HFCC, including English to Europe and North America. The start date is given as 1 October 2014. However, this may just be a contingency in case funding for the broadcasts is restored. Alokesh Gupta (via dxld) wrote to Voice of Russia and received a reply on 21 August saying that "Although the plans to re-open the VOR shortwave broadcasts are being considered, at this point nothing can be said for sure regarding its status in the near future."

**Spain** Cuts to <u>REE shortwave broadcasts</u>. Listening on 2 August at 2100 UTC to the English transmission on 9660 kHz and their programme "Listeners Club". Alison Hughes said that it is not certain if REE will be on air after 1 October. I assume she is referring to the English broadcast rather than REE as a whole, but she didn't clarify further. (Alan Roe)



In "Listener's Club" on 15 August more details were given of impending cuts at REE: From 1 September, REE will eliminate their live news broadcast and will present a 1-hour recorded programme which will be broadcast on TVE television at 1am [presume local time ie 0000 UTC] Monday to Saturday. The shortwave service [to Europe/Africa at 1900 Monday-Friday and 2100 Saturday-Sunday] will be discontinued from 1 September. The shortwave broadcast at 0000 UTC to North America will continue until 1 October when it is likely that the shortwave service will be terminated. No mention was made of impact to Spanish language programming. Details were unclear, but it may be that the 1-hour recorded programme will remain available via the REE website as a daily podcast (I guess following the example of stations such as Radio Bulgaria - which prepares a daily "podcast" of features and current affairs). (Alan Roe 15 August)

REE announces that from September (no date given), the only remaining transmission in French will be at 0000-0100 (so ex 2300-0000?) [presumably to North America on 6055 khz-ed]. French to Africa, the Mid-East & Europe will be cancelled. (REE 18 Aug via Jean-Michel Aubier dxld yg)

<u>Sri Lanka</u> Transmissions of <u>PCJ Radio International</u> (Sundays 1230-1330 on 13720 via Sri Lanka) were cancelled from 20 July. (DX Mix) *PCJ is instead planning to start a medium wave broadcast to India via Sri Lanka - see medium wave above. (ed)* 

<u>SLBC</u> noted with new sign off on 11905 kHz now from 0115-0230 (ex -0330) (Jose Jacob dxld 19 Aug). US religious programmes in English still heard Saturdays 0230-0300, Sundays 0230-0330, but on weekdays now only in Hindi and Tamil at 0115-0230 (RP observations Aug)

<u>Sweden</u> The <u>Radio Nord Revival</u> broadcast took place on 23-24 August with test transmissions also on 22 August. Frequencies used were as follows:

MW 1512 kHz from Kvarnberget, Vallentuna. Licensed 2.5 kW but using 1 kW, antenna 37m. SW 3950 / 6065 / 9295 from Ringvalla, Sala. Power 10 kW, antenna height 12m.

SW 5770 kHz from The Castle, Vaxholm. Licensed power 0.5 kW antenna height 12m.

This was a one-off chance to hear a broadcasting signal from The Castle - the place where the first broadcast ever in Sweden was made on 1 September 1919.

Reception reports can be sent to: Ronny Forslund, Radio Nord Revival, Vita Huset, 17995 Svartsjö, Sweden. Return postage in the form of \$ or IRC's is much appreciated. http://radionordrevival.blogspot.se/

Reception of Radio Nord was widely reported on the BDXC-News group by several members.



Harald Kulh at the DX farm site in northern Denmark had good daytime signals on both 6065 and 3950 kHz, while members in the UK reported only а weak daytime signal on 6065, but fair good evening to reception on both fregs. On August Radio 23 switched to 9295usb from 1910-0500 utc heard in UK. France and North America with aood reception. Broadcasts continued on 24 August on 6065 (Reports by HK, NR, RC, AP, DK, GS see also HF Logbook)

Above Bernt Nyberg operating Radio Nord's 10 kW SW transmitter at Ringvalla.

<u>Taiwan</u> Further frequency change of <u>Radio Taiwan International</u> from 1 August: 2000-2100 Spanish to Europe 3965-fr (Issoudun 250 kW) ex 5915/3965 2100-2200 German to Europe 3965-fr (Issoudun 250 kW) ex 5915/3965 (DX Mix)

USA The future of SW broadcasting The Broadcasting Board of Governors has published a report from its committee on the future of SW Broadcasting. The report found shortwave radio to be essential to listeners in target countries, but of marginal impact in most markets. Research suggests that the increased availability and affordability of television, mobile devices and Internet access has led to the declining use of shortwave around the world. The report finds that substantial audiences embrace shortwave in Nigeria, Burma, North Korea, Afghanistan, Somalia, Zimbabwe, Cuba and other target markets for the BBG. At the same time, the committee's recommendations make clear that the BBG will need to continue to reduce or eliminate shortwave broadcasts where there is either minimal audience or that audience is not a U.S. foreign policy priority. It also ratifies reductions in transmissions that were made in 2013 and further cuts that were made in 2014. Even after recent reductions, the BBG makes programmes in 35 of its 61 broadcast languages available on shortwave where there is a strategic reason to do so. The report notes there is no evidence that shortwave usage increases during crises. At such times, audiences continue to use their preferred platforms or seek out anti-censorship tools to help them navigate to the news online, including firewall circumvention tools or offline media including thumb drives and DVDs. (BBG press release 1 August via Morand Fachot)

Overcomer Ministry via WHRI - the following transmissions have been cancelled 1600-1800 on 9840; 1600-1900 on 17610; 2000-2100 on 9840 (SWLDX Bulgaria Blog 16 Aug)

### Overcomer Ministry via WRMI updated schedule:

5015 0000-0400 7570 24h (except 2100-2200 WRMI progs)

7730 24h (except 0300-0400) 11580 24h

11825 24h 15770 24h (except 2100-2200 WRMI progs)

<u>WRMI</u> own programming, which includes hired airtime and relays of DX programmes is now scheduled as follows:

0100-0200 5950 to Caribbean, Latin America

0430-0500 5985 to Central America

1000-1030 5850 to Eastern North America

2100-2200 15770 to Europe

2100-2200 7570 to Western North America

2300-1400 9955 to Latin America (WRMI schedules updated 12 August)

See also Listening Post in this issue for more details of WRMI programming.

Zimbabwe [non] SW Radio Africa closes completely. It is with regret that SW Radio Africa announces that it is closing down. We recently stopped our shortwave transmissions but have continued to provide broadcasts via our website and other formats, but these too will cease. We'd like to thank the organisations and individuals who have supported us for the past 13 years and the contributors to our programs who have given so willingly of their time and expertise. In particular we'd like to thank our listeners, who have shared their lives, hopes and dreams and helped us to tell the story of Zimbabwe's sad decline to the world. We hope that one day Zimbabwe finally has a government who understands that its sole responsibility is to ensure a safe, healthy, prosperous life for every man, woman and child in the country. Our first broadcast was on 19th December 2001. Our last broadcast will be on 10th August 2014. It's been a privilege. Gerry Jackson, Founder/Editor, 4th August 2014 (swradioafrica.com via Mike Terry)

The closure of SW Radio Africa leaves just VOA Studio 7 and Radio Dialogue specifically targeting Zimbabwe on SW. <u>Radio Dialogue</u> can be heard fairly well most days at 1600-1700 on 12105 kHz via Madagascar in English and Shona/Ndebele.



# **Beyond the Horizon**

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### Community & RSL stations heard in UK

MHz	UTC	Station, details, etc.	SIO	Date	Inits
87.7	1105	Ramadan FM, Bristol, mx	253	25/07	SHo
87.9	2235	Ramadan FM, Preston (pres), OM in Urdu?.	poor	28/07	ар
93.2	1106	Bristol CR, Barton Hill Bristol, rock & roll, blues mx	354	25/07	SHo
94.7	1520	Saint FM, Burnham-on-Crouch. Hrd in Essex. ID no RDS.	fair	18/07	AP
97.5	1110	Somer Valley FM, Midsomer Norton, Neil Young track	344	25/07	SHo
98.0	1108	Ujima, Bristol, jazz mx	454	25/07	SHo
103.2	2301	Preston FM, soul mx, oldies. RDS: PRESTON_	good	28/07	ар
103.4	1104	BSR Bradley Stoke, absconded prisoner from Leyhill	233	25/07	SHo
106.3	2122	Bridge FM, Bridgend, club & dance mx	354	25/07	SHo
106.8	2025	R Mi Amigo, Harwich, aboard LV18. Tony Currie with final px	v gd	17/08	AP
		RDS: mi_amigo + text: "Celebrating 50 years of			
		pirate radio" (hrd Essex)			
107.5	2156	Felixstowe R, Polish song, EE ID, RDS: FELXSTWE (hrd Essex)	fair	17/08	AP

**Nick Ward** writes that during the past few weeks he noticed few openings of any great measure. "I have identified one more FM station on 105.6 - this is the France Info station transmitted from Cherbourg; not so far away. I tried to listen to the Cowes RSL on 87.9 but heard nothing (*Communication* Aug 14, p30). I will try again with the Bournemouth Air Festival on 87.7 at the end of August."

**Simon Hockenhull** writes: Not much to report this month with no Sporadic E openings and thanks to the unstable air mass which has prevailed for the last few weeks I have not noticed any tropo openings just the usual national signals fading in from Oxford, North Hessary Tor, Rowridge, Ridge Hill and occasionally Wrotham. On DAB I have been monitoring allocation 10B and 10D for any test transmissions from Mendip of the new local Somerset multiplex. There has been nothing so far. Apparently Somerset was allocated 10D but has had to change to 10B as the coverage of the local Wiltshire multiplex is being expanded and will need to switch to 10D.

**Tim Bucknall** notes that this summer there have been a few RDS readings erroneously showing up. This can occur when the RDS codes from two station become merged. He recalls seeing this with John Faulkner several years ago on a Blaupunkt radio. There was a Barnsley RSL on 107 which his rx displayed as "cornsley" which for some reason (perhaps because it was 2 a.m.) we found hilarious! One of Simon Hockenhull's logs seems to have done this, when on 87.9 on 3 July at 1351 a French station's RDS showed up as "RCS F1". An interesting anomaly of technology. Of course there was no RDS to worry about for FM DXers back in 1974!

### Bandscan, Corfu, 14-15 August 2014

**Alex Mackow** writes: I have just come back from a week-long stay in Corfu. We stayed at Kassiopi, which is in the north of the island, just a few miles from Albania. Hence the FM log includes some stations from Albania and Italy as well as the expected Greek stations. I took my Sangean ATS-909 and used the telescopic antenna for my FM log. The log was compiled over a couple of days around 14<sup>th</sup> and 15<sup>th</sup> of August. RDS ids in capitals. The Albanian stations played the current chart music that can be heard in the UK with English jingles such as "Top Albania Radio". Some of the Greek stations played the same English music too, but others played typical Greek as well as Greek religious music. (See also MW Logbook).





### MHz Station, details, Courier font indicates the scrolling RDS readout

87.6 Studio 1 87.6 FM ST THL 26610 54719 EMAIL STUDIO-1@OTENET.GR LIVE INTERNET STUDIO876.GR 14.8.14 TIME 2351

88.2 Radio Tirana // 93.0, 107.0

8.88 STAR FM 88.8 TEL 26610 44478 CORFU GR

89.2 EAGLE RADIO // 95.2, 103.2

90.1 DEEJAY

KIMA FM 90.3

90.6 STUDIO LEFKATAS

Unid, Greek, distorted music 91.1

91.8 Proto programa // 93.8

94.1 TOP ALBANIA RADIO // 100.6, 104.0 but without RDS

95.8 Kiss 958 WELCOME TO KISSLAND EXPLORE THE ISLAND AND ITS MAGIC ON WWW.INFO.GR KISS FM KERKYRAS KAI IONIAON NHSON

Kanali 1 KANALI1.BLOGSPOT.COM TEL 6945 076050 FAX 26610 45334 97.5

97.9 NEO 97.9

GAGA 984 CORFU WWW.GAGARADIO.COM THL 26610 31366 98.4

RADIO EPTANISA 98.8 98.8

99.3 ERT Open

RYTHMOS 997 KERKYRA TEL 26610 45997 WWW.RYTHMOS997.COM 99.7

100.1 RADIO KERKYRA 100.1 FM TELEF 26610 42242 KAI SKAI MAZI 26 XRONIA

CLUB FM 100.4

COSMOS 101.1

POP FM 102.1

LIFE RADIO 102.9 TEL 26610 38101 102.9

103.6 CAPITAL

AKTINA 104.7 FM 104.7

ORTHODOXOS 105.1 LOGOS 105.1

R-NORBA 106.6

RADIO TIRANA PROGRAMI I PARE 03 29 20 107.0 MHZ 29/07/13 107.0

(yes the date and time were completely wrong)



# **Medium Wave Logbook**

Edited by Susan Evans - mwl@bdxc.org.uk



STUDIO1

### **Americas** 1520 0407 WWKB Buffalo NY. ESPN Radio, ID, promo "Mike & Mike", ESPN3 ad. 333 31/07 ap.

1580	0413	CKDO Oshawa ON. promo: durhamradionews.com, jingle, Elton John.	322	01/08	ар
1610	0423	Caribbean Beacon, Anguilla. YL preacher in EE //6090 kHz.	343	31/07	ар
1620	0421	R Rebelde, Cuba. OM in SS plus Cuban mx //5025 kHz.	232	30/07	ар
1660	0344	WGIT 'Faro de Santidad' Canovanas PR (pres). excited SS preacher, lot	s		
		of "Hallelujahs!"	242	31/07	ар
1690	0357	CHTO Toronto ON (pres). Greek mx, songs. (also 31/7 @ 0343 Gk mx)	142	01/08	ap
1700	0353	KKLF Richardson TX (pres). Distinctive Tejano music with accordions,			
		No ID heard at top of hour, songs continued through.	232	31/07	ар

<u>ASIA</u>			
1071	1910	AIR, Rajkot, Vividh Bharati Sce in Hindi; songs under Al-Nur, Syria	333 11/08 RP*
1566	1915	AIR, Nagpur, Nat Sce in Hindi //9425	232 11/08 RP*

Middl	e East	<u>&amp; Caucasus</u>			
783	1935			11/08	
891	0254	TRT Antalya, Turkey. IS, ID, N Anthem, nx in TR (from 0301 // 927)		12/08	
900	1906	S.Arabia, Gen. Sce in AA. Phone calls//1260,1440,1521,9555, 9870		04/08	
927	0301	TRT Izmir, Turkey. s/on,nx in TR // 891		12/08	
981	1930	IRIB R Iran, Hamadan. R Iran ID, N. Anthem, Farsi. //990,1503		11/08	RP*
1323	1600	BBC WS, Zyyi, Cyprus. Nx //9410. EE		12/08	RP* RP*
1350 1431	1846 1635	TWR Israel via Gavar, Armenia. Rlg prgr in Hebrew; EE from 1916 IRIB Iran, Isfahan. Prog in Farsi		02/08 12/08	
1521	2155	BSKSA, Duba OM AA		26/07	
1521	2142	BSKSA General Service, Duba, Saudi Arabia Ara sp		26/07	
1539	2130	VOA, Abu Dhabi YL EE		27/07	
1575	1910	IRIB Abadan. Mx		14/08	
1575	1630	R Farda, UAE Talks in Farsi // 5860		12/08	
1575	1940	R Farda, UAE Huge signal, ID 1943 //5860,7585. bubble jammer on 157	5 ~	02/08	JH
A £!					
Africa 531	<u>1</u> 0320	Jil FM, F'kirina, Algeria. Folk songs // 549	422	13/08	RP*
531	2214	Jill FM, F'kirina Algeria Stn ann and pop mx Ara/FF		14/08	
585	1925	R Tunisia, Gafsa. ID in AA // 684		04/08	
630	0340	R Tunisia, Tunis. Folk songs //684		13/08	
981	0325	R Algeria, Alger. Sermon (not as on 1422 kHz) in AA		13/08	
981	2235	R Algerienne 2. Ouled Fayet. mx	244	08/08	NRe
1422	0327	R Algeria, Alger. Sermon in AA (not same as on 981)	422	13/08	RP*
1422	2230	R Algerienne, Ouled Fayet	122	25/07	NRe
1530	2130	VOA via Sao Tome. Country mx prog // 6080 15580 EE		03/07	
1530	2000	VOA, Sao Tome EE Music of Africa		27/07	
1566	0333	TWR Benin, Parakou. ID, song and rlg sermon in VV	242	13/08	RP*
Europ	oe				
549	0300	Ukraine R. Nx in Ukrainian // 1404	422	14/08	RP*
549	2216	DLF,via multi site Germany GG sp		14/08	
576	2050	RNE R Nacional, Barcelona. SS Jazz	233	19/07	NRe
585	2045	RNE R Nacional, Madrid OM SS	233	15/08	NRe
603	2123	France Info, Lyon, France FF sp	344	03/08	SHo
639	2030	RNE R Nacional, multisite.YL SS		30/07	
657	2145	RNE R5 Madrid. Folk mx then ID SS		15/08	
666	2120	SER Barcelona OM SS		30/07	
684	2020	RNE R Nat, Seville YL SS		16/08	
702	2125	CRI via Col de la Madone, France FF sp		03/08	
702	2218	NDR Info, Flensburg, Germany Weather reports GG France Info. Rennes nx FF		14/08 31/07	
711 738	2130 2155	RNE R Nat. Barcelona. Pop mx SS		01.08	
756	2230	DLF Regensberg. OM GG		01.08	
783	2045	COPE Barcelona YL SS		02/08	
792	2153	NDR Info, Linger Germany GG Sp		14/08	
801	2155	RNE R Nacional, multi site. YL SS		02/08	
837	2210	COPE, multi site OM SS		03/08	
855	2010	RNE R Nacional, multi site YL SS		04/08	
864	2100	France Bleu. Paris FF traffic report	444	05/08	NRe
864	1854	France Bleu, Paris France Mx and FF Sp	253	02/08	SHo
873	1935	SER, multi site OM SS		04/08	
891	2035	R538, Netherlands. Folk mx		07/08	
936	2145	RNE R5 multisite. Discussion SS		16/08	
954	2130	Onda Corta. Madrid. ID SS		08/08	
990	2115	SER, multi site OM SS		06/08	
999		RAI Uno, Italy. OM Italian		09/08	
1008		Groot Nieuws R. Netherlands, c&w mx		09/08	
1017	∠∪3∪	RNE R5. multi site. OM SS	۷33	10/08	inke

1044	2010	SER, multi site. OM SS	333	11/08	NRe
1116	2040	SER, multi site. OM SS		11/08	
1125	1910	RNE R5. Multi site. Football		12/08	
1134	1930	HR, Zadar. OM Croatian	133	12/08	NRe
1170	1915	R Capodistria, Slovenia. YL Italian	233	13/08	NRe
1179	2208	SR Antena, Heusweiler Germany GG sp		14/08	
		·			
1188	2220	MR4, multi site Hungary Hungarian sp local mx		14/08	
1206	2207	France Info, Bordeaux France FF sp		14/08	
1242	2120	France Info, Marseilles France FF sp and mx	344	03/08	SHo
1242	2045	France Info. Marseilles. YL FF	233	22/07	NRe
1252	2155	R Nostalgia, Interview Dutch	233	22/07	NRe
1269	2110	DLF, Neumunster. GG Economic nx		23/07	
1269	2205	DLF, Neumunster Germany Stn ann GG		14/08	
1278	2121	France Bleu, Starsbourg France Mx FF female singer		03/08	
1278	2125	France Bleu, Strasbourg. 'Cafe de Paris' mx	244	23/07	NRe
1287	2035	SER multisite. OM SS	244	17/08	NRe
1377	2225	France Info. Lille FF Flight MH17		24/07	
1404	2125	France Bleu, Multisite. YL FF		25/07	
1440	2140	RTL, Marnach Luxembourg GG Sp		26/07	
1485	1847	ERT Greece, "Montego Bay' song by Bobby Bloom//1404,1512		04/08	
1494	1920	R Free Europe via Moldova in Moldovian, ID, www	533	11/08	RP*
1494	2135	France Info, Clermont Ferrand France FF sp	253	02/08	SHo
1494	2045	France Info. Clermont Ferrand OM FF		26/07	
1494	2158			14/08	
		France Bleu, Bastia France FF mx female singer			
1512	2133	ERT, Chania Greece Greek mx and sp		15/08	
1512	2310	ERT, Hania, Crete. Greek mx // SW 9420 9935. "Ert Open" ID	222	23/08	DK
1557	2135	France Info, Nice France FF Sp	343	02/08	SHo
Britis	h Isles				
630	2210	BBC R Cornwall, Redruth Rpt on artists loft studios	232	14/08	SHo
				14/08	
657	2150	BBC R Cornwall, Bodmin Extreme weather events			
720	2150	BBC R4, Lisnagarvney Choice of death for old people		02/08	
801	1645	BBC R Devon, Barnstaple Local traffic news		24/07	
810	2145	BBC R Scotland, multi site Female singer	343	02/08	SHo
810	2020	BBC Scotland. Close of Commonwealth Games	344	03/08	NRe
846	2147	R North, Redcastle, Ireland Seekers Record		02/08	
882	2000	BBC Wales, multi site. nx		07/08	
990	1646	BBC R Devon, Exeter Local traffic news		24/07	
1296	2200	R XL, Birmingham. nx		17/08	
1341	2045	BBC R Ulster. c&w mx	244	24/07	NRe
1341	1850	BBC R Ulster, Lisnagarvney Sport prog	243	02/08	SHo
1368	2140	Manx Radio, Foxdale Old Rock mx tracks	343	02/08	SHo
1431	2143	Smooth, Southend Local adverts		26/07	
1449	2138	BBC R4, Redmoss Health issues in care homes		02/08	
1485	2300	BBC R4, Carlisle Big Ben and midnight news		12/08	
1503	2204	BBC R Stoke, Sideway News and local weather	242	14/08	SHo
1530	2145	BBC R Essex, Southend Rpt on mobile phones in cars	242	26/07	SHo
1557	1844	Smooth, Southampton Local Adverts	243	02/08	SHo
1566	1847	Eagle Xtra, Guildford. Mx Donna Summers I feel love		02/08	
1602	1842	Desi Radio, Southall. Asian mx		02/08	
		·			
1602	1857	BBC R Kent, Rusthal. Mx Donna Summers I feel Love	243	02/08	2110
		nunity Radio, RSL & Irish Temporary Licence (all LPAM unless stated			
1179	1225	R BGWS, Farnborough (pres) YL in Nepali (hrd on portable in power cut)	141	06/08	AP
1287	0750	R Glan Clwyd, Rhyl. cont pops, 0800 ID: " Radio Ysbyty Glan Clwyd"	344	30/07	ар
1287	1500	BHR, Basildon Hospital, Essex. nx, IDs, "Basildon Hospital" "BHR-1287"			-
		sung jingle. (Hrd Bradfield-on-Sea, Essex)	242	18/08	AP
1386	0450	R JCom, Leeds (pres). EE talk px, 0457: mx (R Clatterbridge nulled)		30/07	
	5.50			33,31	~~

1386	2229	R JCom Leeds. Jewish mx, ID/jingle. 2245: old music/songs. (audible			
		best on LSB with local Blast 1386 on silent carrier + Energy Dublin off)		11/08	AP
1386	0501	R Clatterbridge, Wirral. nx, "Light and Early", R Clatterbridge sung jingle.			ар
1521	0740	Flame CCR, Wirral. UCB UK wx. local wx, tide times L'pool & Wirral.	343	01/08	ар
1575	1215	Stoke Mandeville Hospital R, Bucks. "Love's Theme", "Stoke Mandeville			
		Hospital Radio" ID. (hrd during power cut on Sony 7600GR)	142	06/08	AP
Long					
153	2030	NReK1. OM Norwegian		14/08	
153	2135	Antena Satalor, Brasov Romania Local mx	232	26/07	SHo
162	0758	France Inter, Allouis. 2 YLs with talk on children, ad for MSF, FF	454	19/08	SH
171	2330	Medi 1, Morocco. Euro mx // weak 9575	233	05/08	DK
171	2137	Medi 1, Nador, Morocco Pop/dance mx FF	242	26/07	SHo
177	2130	DLR Documente, Zehlendorf Germany GG Sp	344	15/08	SHo
183	0810	Europe 1, Saarlouis, Germany. OMs with discussion, // web, FF	434	19/08	SH
189	0035	RUV, Gufuskalar Iceland Male Icelandic presenter	243	02/08	SHo
207	0036	RUV, Eidar Iceland Male Icelandic presenter	222	02/08	SHo
207	0040	DLF, Aholming, Germany Male presenter GG	444	02/08	SHo
216	2139	RMC, Romoules, France FF sp	344	26/07	SHo
225	2138	PR1, Solec Kujawski, Poland Polish sp	243	26/07	SHo
216	2115	RMC Info. FF OM	133	28/08	NRe
225	2015	PolskieR1. YL Polish	133	15/08	NRe
234	0838	RTL, Beidweiler, Luxembourg. YL on phone, comp winner, ID,FF	454	19/08	SH
252	2250	RTE 1. Golden oldies	133	28/07	NRe
261	2326	Horizont, Bulgaria. YL ID "Radio Bulgaria" & "Horizont". web promo.	243	05/08	DK
261	2104	Horizonte, Sofia Bulgaria Female presenter Bulgarin sp	243	15/08	SHo
270	2126	CRo1, Topolna Czech Republic Czech sp	343	15/08	SHo
		•			

**Alan Pennington** writes: Even in the height of summer it's possible to hear some trans-Atlantic stations in Lancashire on the coast south of Preston just on my Sony 7600GR portable sat inside a home-made loop, though this time conditions were a bit noisy.

**Simon Hockenhull** writes: I managed a few interesting UK catches, one with one of my 1960's transistor radio and heard Iceland for the first time this summer on both its Long Wave outlets again using one of my 1960's portable radios. It's sad to see three of the French AM France Info stations close down forever and I suppose it is a sign of things to come. I notice in the WRTH that France Info seems to be slotted in on FM around the 105 MHz area although the coverage is not as extensive as the main FM networks.

I am still able to listen to RTE1 on 252 kHz free from co channel interference day and night. On the 02 August it was quite strange to hear Donna Summers "I feel love" record within 10 minutes of each other from two stations and from the same region.

### Bandscan, Corfu, 14-15 August 2014 Alex Mackow writes:

On MW, during the day there was nothing that could be heard with ease, there were traces of signals on 630, 675 (Arabic sounding?), 756, 810, 936 (Italian?), 1395 but these were very weak and could not be identified. In the evenings, the band was much busier and I could hear UK Radio 5 on 693 and 909 as well as TalkSport on 1089.

On LW, during the day I could only hear a very weak French station on 162 kHz. During the evening I could hear French on 162, German on 177, French on 183, Radio 4 on 198, French on 216 and Polish First Programme on 225. All of these were strong enough to listen to with ease. I did not listen to short wave on this occasion. Since the BBC World Service is not broadcasting during the day to anywhere close to Corfu, it is more or less inaudible during the day. Instead I just checked the news on my mobile phone in the evenings when in range of a wi-fi hotspot. guess it's a sign of the times. (See also Beyond the Horizon)

Thanks to all the contributors. I'll make space for your late-Summer holiday loggings next month, so no excuses... 73s **Susan** 



# **Tropical Bands Logbook**



# Edited by Alan Pennington – tropical@bdxc.org.uk

3320   2355   Sonder Grense, South Africa - songs & anns Afrikaans.   342   17/08   AM   3950   1254   R Nord Revival, Sweden - Test audible in N Denmark / 6065   ~ 22/08   HKf   3950   1254   R Nord Revival, Sweden - Special txn, 100 <sup>™</sup> Anniv. Væxholm Radio - early 605 mx, ads, Swedish. //6066 kHz. KBS QRM 2000+ 353   22/08   AP   3955   2014   KBS S Korea via Woofferton - GG speech   455   29/07   SHo   3955   2014   KBS S Korea via Woofferton - GG speech   455   29/07   SHo   3985   2134   R 700 via Kall, Germany - Pop mx, GG   253   26/07   SHo   3985   2134   R 700 via Kall, Germany - Pop mx, GG   253   26/07   SHo   3985   2134   R 700 via Kall, Germany - Pop mx, GG   253   22/17/08   AM   4750   1804   Dunamis Shortwave, Uganda (Pres). Afro songs, relig, talk in EE   by Y L from 1830.   222   12/08   AM   4765   2334   73   73   73   73   74   74   74	<u>kHz</u>	UTC	Station, programme details, language etc	SIO	Date	Init.
3950         1254         R Nord Revival, Sweden - Test audible in N Denmark / 6065         ~~ 22/08         HKf           3950         1929         R Nord Revival, Sala, Sweden - special txn, 100th Anniv, Vaxholm Radio - early 60s mx, ads, Swedish. //6065 kHz. KBS QRM 2000+         353         22/08         AP           3955         2015         KBS World R via Woofferton - German px, splattering R Nord.         555         22/08         AP           3960         2022         R Gramox, Finland. Old time Finnish mx // web (only audible in lsb) 142         23/08         DK           4955         2134         R 700 via Kall, Germany - Pop mx, GG         253         26/07         SHo           4950         1010         R Verdad, Guatemala - Song by YL, IS, ID, ann in SS (best in lsb)         221         17/08         AM           4750         180         Dunamis Shortwave, Uganda (Pres). Afro songs, relig, talk in Eby YL, from 1830.         232         12/08         AM           4765         0350         R Progreso, Havana, Cuba - OM+YL in SS with nx? Off @ 0400.         252         29/07         AP           4765         2334         Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?)         343         16/08         AM           4780         1800         248         249/07         AP         AT         476<	3320	2355	Sonder Grense, South Africa - songs & anns Afrikaans.	342	17/08	AM
Radio – early 60s mx, ads, Swedish, //6065 kHz, KBS QRM 2000+ 353         22/08 AP           3955         2005         KBS World R via Woofferton – German px, splattering R Nord.         555         22/08 AP           3955         2014         KBS S Korea via Woofferton – GG speech         455         29/07 SHo           3960         2134         R 700 via Kall, Germany - Pop mx, GG         253         66/07 SHo           4055         0100         R Verdad, Guatemala - Song by YL, IS, ID, ann in SS (best in Isb)         221         17/08 AM           4319u         234         AFRTS relay, Diego Garcia, Chagos Is - PSAs, songs, EE         322         17/08 AM           4750         1804         Dunamis Shortwave, Uganda (Pres). Afro songs, relig, talk in EE         by YL from 1830.         232         12/08 AM           4765         234         Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?) 343         16/08 AM           4780         1800         258         CNR 1, China - CC mx         244         217/08 AM           4800         2058         CNR 1, China - CC mx         244         216/08 AM           4800         2318         CNR 1, China - CC mx         244         23/07 NRe           4800         235         CNR1 via Golmud (Pres) - Man in C with continuous talk         222	3950	1254		~~	22/08	HKf
3955         2005         KBS World Ä via Woofferton – German px, splattering R Nord.         555         22/08         AP           3950         2014         KBS S Korea via Woofferton – GG speech         455         29/07         SHo           3985         2134         R 700 via Kall, Germany – Pop mx, GG         253         26/07         SHo           4055         010         R Verdad, Guatemate – Song by YL, IS, ID, ann in SS (best in Isb) 221         17/08         AM           419u         2334         AFRTS relay, Diego Garcia, Chagos Is – PSAs, songs, EE         322         17/08         AM           4750         1804         Dunamis Shortwave, Uganda (Pres). Afro songs, relig. talk in EE         by Y, from 1830         232         12/08         AM           4765         0350         R Progreso, Havana, Cuba – OM+YL in SS with nx2 Off @ 400         252         29/07         AP           4765         2334         Tajik R, Tajikistan – Indian-style mx, talk in Tajik (about the music?) 343         16/08         AM           4800         2056         CNR 1, China – anns, time pips, songs in CC // 6000         443         16/08         AM           4800         2105         CNR 1, China – CC mx         244         23/07         NRe           4800         2210         CNR 1, Golmud	3950	1929	· · · · · · · · · · · · · · · · · · ·			
3955         2014         KBS S Korea via Woofferton - GG speech         455         29/07         SHo           3960         2202         R Gramox, Finland. Old time Finnish mx // web (only audible in Isb.) 142         23/08         DK           3985         2134         R 700 via Kall, Germany - Pop mx, GG         253         26/07         SHo           4055         0100         R Verdad, Guatemala - Song by YL, IS, ID, ann in SS (best in Isb)         221         17/08         AM           4750         1804         Progreso, Garcia, Chagos Is - PSAs, songs, EE         222         17/08         AM           4765         0350         R Progreso, Havana, Cuba - OM+YL in SS with nx? Off @ 0400.         252         29/07         AP           4765         234         Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?) 343         16/08         AM           4780         050         R Dipoteut - Anns and songs in VV         341         16/08         AM           4800         020         AIR Hyderabad, India - National Song, talk in Hindi, mx         342         17/08         AM           4800         231         CNR 1, China - CC mx         244         23/07         NRe           4800         232         CNR1 is Golmud (Pres) - Man in CC with continuous talk         222						
3980         2202         R Gramox, Finland. Old time Finnish mx // web (only audible in Isb) 142         23/80         DK           3985         2134         R 700 via Kall, Germany - Pop mx, GG         253         26/07         SHO           4055         0100         R Verdad, Guatemala - Song by YL, IS, ID, ann in SS (best in Isb) 221         17/08         AM           4750         1804         AFRTS relay, Diego Garcia, Chagos Is - PSAs, songs, EE         322         17/08         AM           4765         0350         R Progreso, Havana, Cuba - OM+YL in SS with nx? Off @ 0400.         252         29/07         AP           4765         0350         R Progreso, Havana, Cuba - OM+YL in SS with nx? Off @ 0400.         252         29/07         AP           4765         2334         Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?) 343         16/08         AM           4780         1800         R Dijbouti - Anns and songs in VV         343         16/08         AM           4800         2058         CNR 1, China - Cr mx         244         23/07         NRe           4800         210         CNR 1, China - Cr mx         244         23/07         NRe           4800         223         CNRT4 iva Golmud - Chinesse speech, male presenter         243         14/07<			• • • • •			
3985         2134         R 700 via Kall, Germany - Pop mx, GG         253         26/07         SHo           4055         0100         R Verdad, Guatermala - Song by YL, IS, ID, ann in SS (best in Isb)         221         17/08         AM           4750         1804         Dunamis Shortwave, Uganda (Pres). Afro songs, relig. talk in EE         by YL from 1830.         232         12/08         AM           4765         0350         R Progreso, Havana, Cuba - OM+YL in SS with nx? Off @ 0400.         252         29/07         AP           4765         2334         Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?) 343         16/08         AM           4780         180         R Djibouti - Anns and songs in V         343         16/08         AM           4800         2058         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08         AM           4800         2058         CNR1, China - anns, time pips, songs in CC // 6000         443         16/08         AM           4800         231         CNR1, China - CC mx         244         23/07         NRe           4800         232         CNR1 via Golmud - Chinese speech, male presenter         243         14/07         Sho           4800         231         CNR-1, Golmud (Pre			•			
A055   0100   R Verdad, Guátemala - Song by YL, IS, ID, ann in SS (best in Isb)   221   17/08   AM   4319u   233   AFRTS relay, Diego Garcia, Chagos Is - PSAs, songs, EE   322   17/08   AM   270			· ·	•		
4319u         2334         AFRTS relay, Diego Garcia, Chagos Is - PSAs, songs, Tellg. talk in EE by YL from 1830.         232         12/08         AM           4750         0350         R Progreso, Havana, Cuba – OM+YL in SS with nx? Off @ 0400.         252         29/07         AP           4765         2334         Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?)         343         16/08         AM           4780         1800         PDibouti - Anns and songs in VV         343         16/08         AM           4800         0202         AIR Hyderabad, India - National Song, talk in Hindi, mx         342         17/08         AM           4800         2056         CNR 1, China - anns, time pips, songs in CC // 6000         433         16/08         AM           4800         2100         CNR 1, China - CC mx         244         23/07         NRe           4800         2318         CNR-1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KOD           4835         2032         VL8A Alice Springs, Australia - Commonwealth Games, ID         443         01/08         AM           4840         0510         VL8A Alice Springs, Australia - News. EE.         222         09/08         DH           4841         0510         WWCR,			· · · · · · · · · · · · · · · · · · ·			
4750         1804         Dunamis Shortwave, Uganda (Pres). Afro songs, relig. talk in EE by YL from 1830.         232         12/08         AM           4765         0350         R Progreso, Havana, Cuba – OM+YL in SS with nx? Off @ 0400.         252         29/07         AP           4765         2334         Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?) 343         16/08         AM           4780         1800         R Djibouti - Anns and songs in VV         343         16/08         AM           4800         2058         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08         AM           4800         2058         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08         AM           4800         2205         CNR1, China - CC mx         244         23/07         NRe           4800         2318         CNR1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KO           4835         2022         VL8A Alice Springs, Australia - Lalks.         222         19/08         KD           4835         2134         VL8A Alice Springs, Australia - News EE.         222         09/08         DH           4840         0410         WWCR, Nashville, TN, USA – The Talking Machine Show						
by YL from 1830. 232 12/08 AM 4765 0350 R Progreso, Havana, Cuba – OM+YL in SS with nx? Off @ 0400. 252 29/07 AP 4765 2334 Tajik R, Tajikistan - Indian-style mx, talk in Tajik (about the music?) 343 16/08 AM 4780 1800 R Djibouti - Anns and songs in VV 343 16/08 AM 4800 0020 AIR Hyderabad, India - National Song, talk in Hindi, mx 342 17/08 AM 4800 2058 CNR 1, China - anns, time pips, songs in CC // 6000 443 16/08 AM 4800 2100 CNR 1, China - CC mx 244 23/07 NRe 4800 2235 CNR1 via Golmud - Chinese speech, male presenter 243 14/07 SHo 4800 2318 CNR-1, Golmud (Pres) - Man in CC with continuous talk 222 16/08 KOD 4835 2022 VL8A Alice Springs, Australia - Commonwealth Games, ID 443 01/08 AM 4804 0400 2318 CNR-1, Golmud (Pres) - Man in CC with continuous talk 222 16/08 KOD 4835 2038 ABC Alice Springs, Australia - News. EE. 222 09/08 DH 4840 0410 WWCR Nashville TN, USA – The Talking Machine Show, EE 454 18/08 RM 4840 0502 WWCR, Nashville, USA - Man in EE with political talk 222 17/08 AM 4875 0120 R Diff Roraima, Boa Vista, Brazil – OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair 27/07 RAD* 4885 016 Xizang PBS, Tibet, China – start of programme. Fair 03/08 GB 4905 2100 Xizang PBS, Tibet, China – start of programme. Fair 03/08 GB 4905 2101 Xizang PBS, Tibet, China – start of programme. Fair 03/08 GB KOD 4910 2134 VL8T Tennant Creek, Australia – ABC news 822 24/07 AM 4910 2134 Xizang PBS Lhasa – Chinese speech (not Tibetan? – ed) 242 26/07 SHo 4905 2250 Xizang PBS, Lhasa (Pres) – Man in VV with songs //4920KHz 222 16/08 KOD 4910 2134 Xizang PBS Lhasa – Chinese speech (not Tibetan? – ed) 242 26/07 SHo 4905 2348 Xizang PBS Lhasa – Chinese speech (not Tibetan? – ed) 242 26/07 SHo 4905 2348 Xizang PBS Lhasa – Chinese speech (not Tibetan? – ed) 242 26/07 AM 4920 2348 Xizang PBS Lhasa – Chinese speech (not Tibetan? – ed) 242 26/07 SHo 4905 2500 Xizang PBS, Lhasa, China – Talk re Ebola outbreak. EE 322 16/08 AM 4940 2040 VOA relay, Botswana – Talk re Ebola outbreak. EE 322 16/				322	17700	Aivi
4765         0350         R Progreso, Havana, Cuba – OM+YL in SS with nx? Off @ 0400.         252         29/07 AP           4765         2334         R Djibouti - Anns and songs in VV         343         16/08 AM           4780         1800         R Djibouti - Anns and songs in VV         343         16/08 AM           4800         2058         AIR Hyderabad, India - National Song, talk in Hindi, mx         342         17/08 AM           4800         2050         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08 AM           4800         2100         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08 AM           4800         2100         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08 AM           4800         2318         CNR1 via Golmud - Chinese speech, male presenter         243         14/07 Sho           4800         2318         CNR1 via Golmud - Chinese speech, male presenter         243         14/07 Sho           4835         233         CNR1 via Golmud (Pres) - Man in CC with continuous talk         222         16/08 KOD           4835         234         Alka Alice Springs, Australia - Commonwealth Games, ID         443         01/08         AM           4840         041         WWCR Nashville T	7/30	100-		232	12/08	ΔM
4765         2334         Tajik Ř, Tajikistan - Indian-style mx, talk in Tajik (about the music?) 343         16/08         AM           4780         1800         R Djibouti - Anns and songs in VV         343         16/08         AM           4800         020         Alk Hyderabad, India - National Song, talk in Hindi, mx         342         17/08         AM           4800         2058         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08         AM           4800         2100         CNR 1, China - CC mx         244         23/07         NRe           4800         2235         CNR 1 via Golmud - Chinese speech, male presenter         243         14/07         SHO           4800         2318         CNR-1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KOD           4835         2022         VL8A Alice Springs, Australia - Commonwealth Games, ID         443         01/08         AM           4840         0410         WWCR Nashville TN, USA - The Talking Machine Show, EE         222         09/08         DH           4840         0510         WCR, Nashville TN, USA - The Talking Machine Show, EE         454         18/08         RM           4875         0120         R Diff Roraima, Brazil - songs, anns in PP	4765	0350	•			
4780         1800         R Djibouti - Anns and songs in VV         343         16/08 AM         AM           4800         0020         AIR Hyderabad, India - National Song, talk in Hindi, mx         342         17/08         AM           4800         2058         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08         AM           4800         2100         CNR 1, China - CC mx         244         23/07         NRe           4800         2318         CNR1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KOD           4835         2032         VL8A Alice Springs, Australia - Commonwealth Games, ID         443         01/08         AM           4845         2038         ABC Alice Springs, Australia - Lommonwealth Games, ID         443         01/08         AM           4835         2034         VL8A Alice Springs, Australia - Lommonwealth Games, ID         443         01/08         AM           4840         0410         WWCR Nashville, USA - The Talking Machine Show, EE         454         18/08         RM           4840         0502         R Diffusoriana, Brazil - Songs, anns in PP         332         17/08         AM           4875.1         0334         R Diffusoriana, Brazil - Songs, anns in PP <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
4800         0020         AIR Hyderabad, India - National Song, talk in Hindi, mx         342         17/08         AM           4800         2058         CNR 1, China - anns, time pips, songs in CC // 6000         443         16/08         AM           4800         2100         CNR 1, China - CC mx         244         23/07         NRe           4800         2235         CNR1 via Golmud - Chinese speech, male presenter         243         14/07         SHo           4800         2318         CNR-1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KOD           4835         2022         VL8A Alice Springs, Australia - Lommonwealth Games, ID         443         01/08         AM           4835         2038         ABC Alice Springs, Australia - Lommonwealth Games, ID         443         01/08         AM           4840         0410         WWCR Nashville TN, USA - The Talking Machine Show, EE         222         09/08         DH           4840         0605         WWCR, Nashville, USA - Man in EE with political talk         222         04/08         KOD           4875.1         0334         RDiff Roraima, Brazil - songs, anns in PP         332         17/08         AM           4875.1         0334         RDiff Roraima, Brazil - songs, anns in PP						
4800         2100         CNR 1, China - CC mx         244         23/07         NRe           4800         2235         CNR 1 via Golmud - Chinese speech, male presenter         243         14/07         SHo           4800         2318         CNR-1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KOD           4835         2022         VL8A Alice Springs, Australia - Commonwealth Games, ID         443         01/08         AM           4835         2134         VL8A Alice Springs, Australia - Lews. EE.         222         09/08         GB           4840         0410         WWCR Nashville TN, USA - The Talking Machine Show, EE         222         09/08         RM           4840         0502         WWCR, Nashville, USA - Man in EE with political talk         222         04/08         KOD           4840         0605         WWCR-3 - religious talk, OM. EE.         333         11/08         RM           4875         0120         R Diff Roraima, Brazil - songs, anns in PP         332         17/07         AM           4885         0616         R Clube do Para, Brazil - ann, ID, song in PP         343         17/08         AM           4895         2050         Xizang PBS, Tibet, China - YL Tibetan.         222         05/08 </td <td></td> <td></td> <td>,</td> <td></td> <td>17/08</td> <td>AM</td>			,		17/08	AM
4800         2235         CNR1 via Golmud - Chinese speech, male presenter         243         14/07         SHo           4800         2318         CNR-1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KOD           4835         2022         VL8A Alice Springs, Australia - Commonwealth Games, ID         443         01/08         AM           4835         2038         ABC Alice Springs, Australia - Lalks.         poor         03/08         GB           4840         0410         WWCR Nashville TN, USA - The Talking Machine Show, EE         454         18/08         RM           4840         0605         WWCR, Nashville, USA - Man in EE with political talk         222         04/08         KOD           4875         0120         R Diff Roraima, Brazil - songs, anns in PP         332         17/08         AM           4875.1         030         R Diff Storaima, Boa Vista, Brazil - OM presenter with Brazilian pops in PP, 0356: ID, c/d anns over light mx, choral NA0400* poor/fair         27/07         RAD*           4885         0016         R Clube do Para, Brazil - ann, ID, song in PP         343         17/08         AM           4905         2100         Xizang PBS, Tibet, China - start of programme.         fair         03/08         GB           4905	4800	2058	·	443	16/08	AM
4800         2318         CNR-1, Golmud (Pres) - Man in CC with continuous talk         222         16/08         KOD           4835         2022         VL8A Alice Springs, Australia - Commonwealth Games, ID         443         01/08         AM           4835         2038         ABC Alice Springs, Australia - Commonwealth Games, ID         poor         03/08         GB           4840         0410         WWCR Nashville TN, USA - The Talking Machine Show, EE         454         18/08         RM           4840         0502         WWCR, Nashville, USA - Man in EE with political talk         222         09/08         KOD           4840         0502         WWCR, 3 - religious talk, OM. EE.         333         11/08         M           4875         0120         R Diff Roraima, Brazil - songs, anns in PP         332         17/08         AM           4875         0334         R Difusora Roraima, Boa Vista, Brazil - OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair         27/07         RAD*           4885         0916         R Clube do Para, Brazil - ann, ID, song in PP         343         17/08         AM           4905         250         Xizang PBS, Tibet, China - YL Tibetan.         222         05/08         NRe           4905         2131	4800	2100	CNR 1, China - CC mx	244	23/07	NRe
4835       2022       VL8A Alice Springs, Australia - Commonwealth Games, ID       443       01/08       AM         4835       2038       ABC Alice Springs, Australia - talks.       poor       03/08       GB         4835       2134       VL8A Alice Springs, Australia - News. EE.       222       09/08       DH         4840       0410       WWCR Nashville TN, USA - The Talking Machine Show, EE       454       18/08       RM         4840       0502       WWCR, Nashville, USA - Man in EE with political talk       222       04/08       KOD         4840       0605       WWCR, Nashville, USA - Man in EE with political talk       222       04/08       KOD         4875       0120       R Diff Roraima, Brazil - songs, anns in PP       332       17/08       AM         4875.1       0334       R Diff Roraima, Brazil - ann, ID, song in PP       343       17/08       AM         4885       0016       R Clube do Para, Brazil - ann, ID, song in PP       343       17/08       AM         4905       2505       Xizang PBS, Tibet, China - start of programme.       fair       03/08       GB         4905       2131       Xizang PBS, Lhasa - Chinese speech (not Tibetan? – ed)       242       26/07       SHo         4905       2250<			CNR1 via Golmud - Chinese speech, male presenter			
4835         2038         ABC Alice Springs, Australia – talks.         poor         03/08         GB           4835         2134         VL8A Alice Springs, Australia – News. EE.         222         09/08         DH           4840         0410         WWCR Nashville TN, USA – The Talking Machine Show, EE         454         18/08         RM           4840         0605         WWCR, Nashville, USA – Man in EE with political talk         222         04/08         KOD           4875         0120         R Diff Roraima, Brazil – songs, anns in PP         332         17/08         AM           4875.1         0334         R Diffusora Roraima, Boa Vista, Brazil – OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA. –0400* poor/fair         27/07         RAD*           4885         0016         R Clube do Para, Brazil – ann, ID, song in PP         343         17/08         AM           4905         2050         Xizang PBS, Tibet, China – start of programme.         fair         03/08         GB           4905         2101         Xizang PBS, Tibet, China – YL Tibetan.         2222         05/08         NRe           4905         2131         Xizang PBS, Lhasa (Pres) – Man in VV with songs //4920kHz         222         16/08         KOD           4906         2132						
4835         2134         VL8A Alice Springs, Australia - News. EE.         222         09/08         DH           4840         0410         WWCR Nashville TN, USA – The Talking Machine Show, EE         454         18/08         RM           4840         0502         WWCR, Nashville, USA - Man in EE with political talk         222         04/08         KOD           4840         0605         WWCR, Ashville, USA - Man in EE with political talk         222         04/08         KOD           4875         0120         R Diff Roraima, Brazil - songs, anns in PP         332         17/08         AM           4875.1         0334         R Difusora Roraima, Boa Vista, Brazil - OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair 27/07         RAD*           4885         0016         R Clube do Para, Brazil - ann, ID, song in PP         343         17/08         AM           4905         2505         Xizang PBS, Tibet, China - start of programme.         fair 03/08         GB           4905         2131         Xizang PBS, Lhasa - Chinese speech (not Tibetan? - ed)         242         26/07         SHo           4905         2250         Xizang PBS, Lhasa (Pres) - Man in VV with songs			·	_		
4840         0410         WWCR Nashville TN, USA – The Talking Machine Show, EE         454         18/08         RM           4840         0502         WWCR, Nashville, USA - Man in EE with political talk         222         04/08         KOD           4840         0605         WWCR-3 - religious talk, OM. EE.         333         11/08         DH           4875         0120         R Diff Roraima, Brazil - songs, anns in PP         322         17/08         AM           4875.1         0334         R Diffusora Roraima, Boa Vista, Brazil – OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0340* ID, content pops in			· · ·	•		
4840         0502         WWCR, Nashville, USA - Man in EE with political talk         222         04/08         KOD           4840         0605         WWCR-3 - religious talk, OM. EE.         333         11/08         DH           4875         0120         R Diff Roraima, Brazil - songs, anns in PP         322         17/08         AM           4875.1         0334         R Diffusora Roraima, Boa Vista, Brazil – OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 03						
4840       0605       WWCR-3 - religious talk, OM. EE.       333       11/08       DH         4875       0120       R Diff Roraima, Brazil - songs, anns in PP       332       17/08       AM         4875.1       0334       R Difusora Roraima, Boa Vista, Brazil - OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair pops in PP. 0356: ID, c/d anns over light poor/fair pops in PP. 0350; ID, c/d anns over light poor/fair pops in PP. 0350; ID, c/d anns over light poor/fair pops in PP. 0350; ID, c/d anns over light poor/fair pops in PP. 0350; ID, c/d anns over light poor/fair pops in PP. 0350; ID, c/d anns over light poor/						
4875       0120       R Diff Roraima, Brazil - songs, anns in PP       332       17/08       AM         4875.1       0334       R Difusora Roraima, Boa Vista, Brazil - OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair       27/07       RAD*         4885       0016       R Clube do Para, Brazil - ann, ID, song in PP       343       17/08       AM         4905       2050       Xizang PBS, Tibet, China - start of programme.       fair       03/08       GB         4905       2100       Xizang PBS, Tibet, China - yt Tibetan.       222       05/08       NRe         4905       2131       Xizang PBS, Lhasa - Chinese speech (not Tibetan? - ed)       242       26/07       SHo         4905       2250       Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz       222       16/08       KOD         4910       2134       VL8T Tennant Creek, Australia - ABC news       322       24/07       AM         4910       2134       VL8T Tennant Creek, Australia - ABC news       322       24/07       AM         4910       2034       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>			•			
4875.1       0334       R Difusora Roraima, Boa Vista, Brazil – OM presenter with Brazilian pops in PP. 0356: ID, c/d anns over light mx, choral NA0400* poor/fair 27/07 RAD*       27/07 RAD*         4885       0016       R Clube do Para, Brazil – ann, ID, song in PP 343 17/08 AM       34905 2050 Xizang PBS, Tibet, China – start of programme. fair 03/08 GB       03/08 GB         4905       2100       Xizang PBS, Tibet, China – YL Tibetan. 222 05/08 NRe       222 05/08 NRe         4905       2131       Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed) 242 26/07 SHo       242 26/07 SHo         4905       2250       Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz 222 16/08 KOD       222 16/08 KOD         4910       2134       VL8T Tennant Creek, Australia - ABC news 322 24/07 AM       224/07 AM         4915       0009       R Daqui, Goiânia, Brazil (pres) – OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor 14/08 AM       4920       2132 Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed) 242 26/07 SHo       242 26/07 SHo         4920       2132 Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905 343 17/08 AM       343 17/08 AM         4925       0129 R Educacao Rural, Tefe, Brazil (pres) – Football commentary. PP 232 17/08 AM       322 16/08 AM         4930       1809 VOA relay, Sao Tome - ID by man in EE with s/on then mx       333						
4885         0016         R Clube do Para, Brazil - ann, ID, song in PP         343         17/08         AM           4905         2050         Xizang PBS, Tibet, China – start of programme.         fair         03/08         GB           4905         2100         Xizang PBS, Tibet, China – start of programme.         fair         03/08         GB           4905         2101         Xizang PBS, Tibet, China – YL Tibetan.         222         05/08         NRe           4905         2131         Xizang PBS, Lhasa - Chinese speech (not Tibetan? – ed)         242         26/07         SHo           4905         2250         Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz         222         16/08         KOD           4910         2134         VL8T Tennant Creek, Australia - ABC news         322         24/07         AM           4915         0009         R Daqui, Goiânia, Brazil (pres) – OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor         14/08         RAD*           4920         0038         AIR Chennai, India - news in EE, Hindi ann, mx         232         17/08         AM           4920         2132         Xizang PBS, Lhasa - Chinese speech (not Tibetan? – ed)         242         26/07         SHo           4920					17700	Aivi
4885       0016       R Clube do Para, Brazil - ann, ID, song in PP       343       17/08       AM         4905       2050       Xizang PBS, Tibet, China - start of programme.       fair       03/08       GB         4905       2100       Xizang PBS, Tibet, China - YL Tibetan.       222       05/08       NRe         4905       2131       Xizang PBS, Lhasa - Chinese speech (not Tibetan? - ed)       242       26/07       SHo         4905       2250       Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz       222       16/08       KOD         4910       2134       VL8T Tennant Creek, Australia - ABC news       322       24/07       AM         4915       0009       R Daqui, Goiânia, Brazil (pres) - OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor       14/08       RAD*         4920       0038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2132       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       <	<del>1</del> 07 5. 1	000-			27/07	RAD*
4905       2050       Xizang PBS, Tibet, China – start of programme.       fair       03/08       GB         4905       2100       Xizang PBS, Tibet, China - YL Tibetan.       222       05/08       NRe         4905       2131       Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed)       242       26/07       SHo         4905       2250       Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz       222       16/08       KOD         4910       2134       VL8T Tennant Creek, Australia - ABC news       322       24/07       AM         4915       0009       R Daqui, Goiânia, Brazil (pres) - OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor       14/08       RAD*         4920       0038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2132       Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed)       242       26/07       SHo         4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       <	4885	0016	• •			
4905       2100       Xizang PBS, Tibet, China - YL Tibetan.       222       05/08       NRe         4905       2131       Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed)       242       26/07       SHo         4905       2250       Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz       222       16/08       KOD         4910       2134       VL8T Tennant Creek, Australia - ABC news       322       24/07       AM         4915       0009       R Daqui, Goiânia, Brazil (pres) - OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor       14/08       RAD*         4920       0038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2132       Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed)       242       26/07       SHo         4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx						
4905       2131       Xizang PBS Lhasa - Chinese speech (not Tibetan? - ed)       242       26/07       SHo         4905       2250       Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz       222       16/08       KOD         4910       2134       VL8T Tennant Creek, Australia - ABC news       322       24/07       AM         4915       0009       R Daqui, Goiânia, Brazil (pres) - OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor       14/08       RAD*         4920       0038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2132       Xizang PBS Lhasa - Chinese speech (not Tibetan? - ed)       242       26/07       SHo         4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA via Pinheira, Sao Tome - English, nice Afron			·			
4910       2134       VL8T Tennant Creek, Australia - ABC news       322       24/07       AM         4915       0009       R Daqui, Goiânia, Brazil (pres) - OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor       14/08       RAD*         4920       0038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2132       Xizang PBS Lhasa - Chinese speech (not Tibetan? - ed)       242       26/07       SHo         4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       p	4905	2131		242	26/07	SHo
4915       0009       R Daqui, Goiânia, Brazil (pres) – OM in PP w/spirited talk then vocal selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor       14/08       RAD*         4920       0038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2132       Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed)       242       26/07       SHo         4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA via Pinheira, Sao Tome - English, nice Afron music.       v gd       03/08       GB         4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features<	4905	2250	Xizang PBS, Lhasa (Pres) - Man in VV with songs //4920kHz	222	16/08	KOD
selection. 0017: more talk, no ID hrd before off or lost in noise 0022poor 14/08 RAD* 4920 0038 AIR Chennai, India - news in EE, Hindi ann, mx 232 17/08 AM 4920 2132 Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed) 242 26/07 SHo 4920 2348 Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905 343 17/08 AM 4925 0129 R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP 232 17/08 AM 4930 1809 VOA relay, Botswana - Talk re Ebola outbreak. EE 322 16/08 AM 4940 2031 VOA, Sao Tome - ID by man in EE with s/on then mx 333 03/08 KOD 4940 2034 VOA relay, Sao Tome - African songs, ID. EE/VV // 15580 443 17/08 AM 4940 2046 VOA via Pinheira, Sao Tome – English, nice Afron music. v gd 03/08 GB 4940 2050 VOA Sao Tome - African mx. EE 433 02/08 NRe 4960 0403 VOA via Sao Tome – EE svce, OM+YL with nx, then nx features poor 27/07 RAD* 4976 1826 UBC Radio, Uganda - Ann, talk by OM in EE 343 12/08 AM 4976 2042 UBC Kampala, Uganda - songs, talks	4910	2134	VL8T Tennant Creek, Australia - ABC news	322	24/07	AM
4920       0038       AIR Chennai, India - news in EE, Hindi ann, mx       232       17/08       AM         4920       2132       Xizang PBS Lhasa - Chinese speech (not Tibetan? – ed)       242       26/07       SHo         4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA via Pinheira, Sao Tome - English, nice Afron music.       v gd       03/08       GB         4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       poor 27/07       RAD*         4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976 </td <td>4915</td> <td>0009</td> <td></td> <td></td> <td></td> <td></td>	4915	0009				
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4920       2348       Xizang PBS, Lhasa, China - talk over mx. Tibetan // 4905       343       17/08       AM         4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA via Pinheira, Sao Tome - English, nice Afron music.       v gd 03/08       GB         4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       poor 27/07       RAD*         4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976       2042       UBC Kampala, Uganda - songs, talks       fair       03/08       GB						
4925       0129       R Educacao Rural, Tefe, Brazil (pres) - Football commentary. PP       232       17/08       AM         4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA via Pinheira, Sao Tome - English, nice Afron music.       v gd 03/08       GB         4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       poor 27/07       RAD*         4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976       2042       UBC Kampala, Uganda - songs, talks       fair       03/08       GB			, , ,			
4930       1809       VOA relay, Botswana - Talk re Ebola outbreak. EE       322       16/08       AM         4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA via Pinheira, Sao Tome - English, nice Afron music.       v gd       03/08       GB         4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       poor       27/07       RAD*         4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976       2042       UBC Kampala, Uganda - songs, talks       fair       03/08       GB						
4940       2031       VOA, Sao Tome - ID by man in EE with s/on then mx       333       03/08       KOD         4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA via Pinheira, Sao Tome - English, nice Afron music.       v gd       03/08       GB         4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       poor       27/07       RAD*         4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976       2042       UBC Kampala, Uganda - songs, talks       fair       03/08       GB			· · · · ·			
4940       2034       VOA relay, Sao Tome - African songs, ID. EE/VV // 15580       443       17/08       AM         4940       2046       VOA via Pinheira, Sao Tome - English, nice Afron music.       v gd 03/08       GB         4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       poor 27/07       RAD*         4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976       2042       UBC Kampala, Uganda - songs, talks       fair 03/08       GB						
4940       2046       VOA via Pinheira, Sao Tome – English, nice Afron music.       v gd 03/08 GB         4940       2050       VOA Sao Tome – African mx. EE       433 02/08 NRe         4960       0403       VOA via Sao Tome – EE svce, OM+YL with nx, then nx features       poor 27/07 RAD*         4976       1826       UBC Radio, Uganda – Ann, talk by OM in EE       343 12/08 AM         4976       2042       UBC Kampala, Uganda – songs, talks       fair 03/08 GB			· · · · · · · · · · · · · · · · · · ·			
4940       2050       VOA Sao Tome - African mx. EE       433       02/08       NRe         4960       0403       VOA via Sao Tome - EE svce, OM+YL with nx, then nx features       poor 27/07       RAD*         4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976       2042       UBC Kampala, Uganda - songs, talks       fair       03/08       GB						
49600403VOA via Sao Tome – EE svce, OM+YL with nx, then nx featurespoor 27/07RAD*49761826UBC Radio, Uganda - Ann, talk by OM in EE34312/08AM49762042UBC Kampala, Uganda – songs, talksfair 03/08GB				_		
4976       1826       UBC Radio, Uganda - Ann, talk by OM in EE       343       12/08       AM         4976       2042       UBC Kampala, Uganda – songs, talks       fair       03/08       GB						
4976 2042 UBC Kampala, Uganda – songs, talks fair 03/08 GB				•		
4976 2137 R Uganda – political commentary, YL in EE. 333 05/08 DH	4976	2137	R Uganda – political commentary, YL in EE.	333		
4976 2215 UBC, Uganda (pres) – mx, VV talk, weak+unstable, definitely on fq 251 05/08 SH	4976	2215	· · · · · · · · · · · · · · · · · · ·	251	05/08	SH
5015 0002 WRMI, Miami, USA - Bro Stair // 7730 7570 11580 15770! 244 22/08 DK	5015	0002	WRMI, Miami, USA - Bro Stair // 7730 7570 11580 15770!	244	22/08	DK

5025	0421	R Rebelde, Cuba – OM in SS, Cuban music //1620 kHz MW.	353	30/07	ар
5025	0545	R Rebelde, Cuba - Man in SS with Cuban songs	222	17/08	KOD
5025	2130	VL8K Katherine, Australia - ABC News - plane crash, sport, etc.	342	24/07	AM
5025	2348	R Rebelde, Cuba - Phone-in re children & family. ID SS	343	16/08	AM
5040	0001	R Habana Cuba - IS, ID, mx, world nx in (pres) Creole	453	17/08	AM
5040	0557	R.Havana, Cuba - continuous Cuban songs and mx. Man in SS	222	17/08	KOD
5040	0500	R Havana, Cuba – "This Day in History", nx, EE //6060 6100 6165	353	13/08	AP
5040	0530	R Havana, Cuba - "Giant African Snail" dangerous to humans. EE.	353	20/08	AP
5040	0606	R Habana, Cuba - talk about conflict in Gaza. OM in EE.	333	11/08	DH

Thanks to everybody who contributed this month! Arthur Miller has again heard what he thinks was **Dunamis Shortwave** from Uganda on 4750 kHz with English religious programming at 1830 on 12<sup>th</sup> August. As there is nothing else that would broadcast English religious programmes on 4750, I'm sure his presumption is correct!

Radio Nord Revival which celebrates the early sixties offshore station has been broadcasting from Sala, Sweden for the past two days on 3950 kHz. Has Sweden ever used the 90 metre band before? Their signal has been pretty good after dark here in the UK, considering they're only using 5 kilowatts, so it's a pity this is only a short term licence to commemorate 100 years of Vaxholm Radio. Having looked through the club archive of "Communication" in recent weeks, you realise which stations and countries have disappeared from shortwave in the past forty years!



Until next month, 73s and Good DX! Alan



# **HF Logbook**

Edited by Stephen Howie - hfl@bdxc.org.uk



### **Analogue**

<u>kHz</u>	UTC	Station, programme details, language, etc	SIO	Date	<u>Init.</u>
_					
5830	0400	WTWW, USA. No more World of Radio at this time	252	03/08	RP
5850	0727	WRMI TruNews, USA. EE, high QRN, OMs w/ bible message	232	28/07	MTG
5875	0542	BBC WS via Ascension. OM EE talk abt nx items, // 6005	343	16/08	MLF
5875	2054	VO America via Thailand. YL KK talk, IS & ID 2054	242	09/08	MLF
5910	0445	R Japan via Issoudun. JJ outside bcast at live event -0500*	454	13/08	AP
5910	0528	R Alcaravan, Colombia. OM with SS comm & lots LA mx/sx	242	16/08	MLF
5915	2110	ZNBC, Zambia. VV, political comment (nothing on 6165)	252	10/08	RP
5920	0358	R Romania Int. Home Sce 1 s/on // MWs, over closing WHRI 2	533	12/08	RP
5930	2000	Dardasha 7 via UNID site. OM with AA ID & talk 2000-2015	444	01/08	MLF
5936.73	2120	Voz Missionaria, Brazil. Soft mx, talk	fair	03/08	GB
5939.9	2219	Voz Missionaria, Brazil. OM with PP sx // 9665	242	10/08	MLF
5940	2224	Voz Missionaria, Brazil. OM with PP talk	242	03/08	MLF
5960	2005	China R Int via Albania. Bookshelf px, EE // 5985	444	27/07	SHo
5960	2151	China R Int via Albania. Talk of family names, EE	555	05/08	DH
5960	2243	VO Turkey. OM & YL TT talk, ID 2243. beyond scheduled 2100	343	10/08	MLF
5964.7	2213	RTM Klasik Nasional, Malaysia. VV, YL/OM ballad	122	16/08	MTG
5975	0500	R Japan via Woofferton. Rain-triggered disasters in Japan	454	20/08	AP
5975	0505	R Japan via Woofferton. EE nx, 0515 - Japan Focus -0530*	554		AP
5975	0510	R Japan. Radio Japan Focus, visit to planetarium, EE	455	01/08	CS
5985	1820	R Taiwan Int. Magazine programme – Chinese tourists, EE	555	28/07	JCa

5985 5995 5995 6000 6000 6000 6005 6005	0431 2133 2212 0410 0425 0555 2228 0512 1645	WRMI, USA. Blues Radio Intl, blues mx and comments, EE RTM, Mali. Talk, audio better than recent months RTM, Mali. OM with VV sx & comm R Havana Cuba. EE nx, 0440 - DXers Unlimited, freq changes R Havana Cuba. OM with sports news, EE R Havana Cuba. OM with EE talk about OAS // 6060 CNR 1, China. OM with CC talk, YL commentary BBC WS, UK. Newsdate px, business news, EE R Freundes - Dienst via R 700 Germany. OM with GG rel talk, ID	252 fair 242 353 444 243 242 444 343	19/08 03/08 02/08 30/07 05/08 08/08 03/08 04/08 16/08	GB MLF ap CS MLF MLF CS
6020	1840	Adygeyskoye R, Russian Fed. Drama (pres) in VV, mx	333	27/07	
6025	2130	Xizang PBS, China. OM with Tibetan sx then YL comm	343	01/08	MLF
6030	0557	R Marti, USA. OMs discussions, under usual jammer // 7405	333	08/08	MLF
6055	1900	China R Int in FF and R Rwanda also in FF	533	11/08	RP
6055	2056	R Rwanda. OM with Kinya-rwanda comm & lots local mx, ID, off	343	31/07	MLF
6060	0500	R Havana Cuba. 'This day in History', nx, EE // 6100 6165 5040	454	13/08	AP
6060	0510	R Havana Cuba. YL and OM with world news update, EE	444	01/08	
6060	0515	R Havana Cuba. UN World Humanitarian Day (19/8), EE	453	20/08	
6060	0609	R Havana Cuba. News, EE	444	06/08	
6060	0640	R Havana Cuba. Ebola outbreak, EE	233	09/08	
6060	2148	VOIRI, Zahedan, Iran. Beautiful Ramadan px, sermons, AA	544	21/07	
6060	2155	PBS Sichuan 2, Xichang, China. IDs, emphatic talk, CC	fair	03/08	
6060	2247	PBS Sichuan 2, Xichang, China. OM with CC talk, // 7225	343	10/08	
6065	0655	R Nord Revival, Sweden. Fair signal at this time.	343	23/08	
6065	1430	R Nord Revival, Sweden. Old recs, ID in Swedsh. EE ID 1550	343	22/08	
6065	1230	R Nord Revival, Sweden. Just audible, full EE ID mentions 1485.		23/08	
6065	1240	R Nord Revival, Sweden. Audible with excellent audio in N Denm		22/08	
6065	1725	R Nord Revival, Sweden. In USB, parallel with web stream	343	22/08	
6065	2102	China Business R, China. YL with CC comm & local mx	333	31/07	
6070 6070	0620 1625	Channel 292, Germany. OM with GG comm & GG/EE pop	242 242	27/07 03/08	
6080	1805	Channel 292, Germany. "Free radio from Bavaria", ID, rock mx R Australia. Press review, EE	133	24/07	
6080	1840	VO America via Botswana. African mx, EE, co-ch R Australia	332	27/07	
6080	2143	VO America via Botswana. Record requests, EE	333	05/08	
6089.9	1900	R Nigeria. VV (rumbling under CRI in Romanian)	222	11/08	
6090	0423	Caribbean Beacon, Anguilla. US YL preacher // 1601	354	31/07	
6090	0550	Caribbean Beacon, Anguilla. Melissa Scott, EE talk on abortion	343	16/08	
6090	1830	R Nigeria. OM with Hausa talk	343	14/08	
6095	0831	Transportradio, Netherlands. Web address, "punkt nl", ID, DD	454	20/08	
6095	1101	Mighty KBC via Nauen. Emperor Rosko playing oldies, EE	444	10/08	DH
6095	1422	Mighty KBC via Nauen. Pop mx, Co-ch interference, EE	333	27/07	JCa
6100	0535	R Havana Cuba. YL with nx about Cuba, EE	444	02/08	CS
6100	0610	R Havana Cuba. News, EE	444	06/08	DH
6100	1830	Int R Serbia. Pop mx to 1830, YL RR ID, into II at 1831	444	09/08	
6100	1834	Int R Serbia. News, EE	555	06/08	
6100	1843	Int R Serbia. Px on start of WW I, EE	343	28/07	
6110	2037	R Fana, Ethiopia. YL with Amharic talk & HoA mx/sx	242	06/08	
6115	0605	R O1 Int, Austria. OM & YL with nx review in GG	344	08/08	
6115	2117	R Veritas Asia via Philippines. YL with Mandarin talk	343	31/07	
6120	2203	Super R Deus e Amor, Sao Paulo, Brazil. Usual talk, fading	weak		
6130	1804	Mix of China + TWR Swaziland + BVB with Jack van Impe Min	222	03/08	
6130	1835 1844	Bible Voice BC via Germany, Dol by EE	333 332	09/08 27/07	
6130 6130	2215	Bible Voice BC via Germany. Rel px, EE	453	24/06	
6130	2230	Xizang PBS, Lhasa, Tibet. Tibetan News Gen Ch., ads, VV Lao National R, Vientiane. (See DX News)	good	12/08	
6135	1825	Yemen R. Arabic music, EE	333	05/08	
6134.83	0000	R Santa Cruz, Bolivia. Local mx, anns mention Bolivia. QRM Braz		03/08	
6135	2332	R Aparecida, Brazil. OM anns, PP talk, ID at 2342, more anns	pr/fr		RAD*
6150	2206	Europe 24, Datteln, Germany. EE, GG & II statement	۲۰۰۰۰	. 3, 33	
		about Europe 24 px to start soon. 1630-2325	343	28/07	MLF
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6150	2300	Europa 24 Loop IDs in English Dutch Cormon Cuitar my		02/08	ШΖ
6150		Europe 24. Loop IDs in English, Dutch, German. Guitar mx.	~		
6150	2320	Europe 24, Datteln, Germany. Test tx, mx, IDs, GG, EE, DD	333	02/08	
6159.95	2259	CKZN, St John's, Canada. CBC R1 ID, nx - fighting in Iraq, EE	233	11/08	
6160	2225	CKZN, St John's, Canada. YL soccer tournament, CBC Radio 1	334	16/08	MTG
6165	0611	R Havana Cuba. News, EE	333	06/08	DH
6175	1847	China R Int, Beijing. Buying new homes in China, EE	344	28/07	SHo
6185	1904	R Taiwan Int via UK. YL with GG ID & talk	343	09/08	
6195	1747	BBC WS via Oman. Discussion on police corruption, EE	333	19/08	
6195	1836	·	343	27/07	
		BBC WS via Oman. Female presenter, EE			
6195	2320	BBC WS via Kranji. End of Commonwealth Games, EE	242	03/08	
6280	2221	Sound of Hope, Taiwan. YL & OM CC talk	343	28/07	
7240	2230	KBS World Radio, S Korea. KK sx, IS & OM ID	444	31/07	MLF
7255	2128	R Belarus. Local songs, EE	444	05/08	DH
7255	2133	R Belarus. OM with EE talk, ID at 2133	343	10/08	MLF
7260	2232	China R Int, Urumqi. PP service, mx px, OM and YL anns, close	fair	13/08	RAD*
7265	0612	Hamburger Local R, Germany. "Media Network", monitoring, EE	333	06/08	DH
7275	2138	R Exterior de Espana, Noblejas. Drama px, OM in SS, ID, close	fr/gd		RAD*
7285	2007	China R Int via Albania. Bookshelf px, EE	455	27/07	
	0614	· ·	344	08/08	
7305		BBC WS via Ascension. OM with FF talk, ID at 0614			
7310	1438	Polish R via ? "Europe East", features from other stations, EE	444	09/08	
7315	1930	VOIRI, Tehran, Iran. Nx, adj-ch QRM ('number station'?), EE	443	09/08	
7315	1951	VOIRI, Tehran, Iran. Virtues of patience, EE	444	27/07	SHo
7315	2359	WHRI, USA. ID and address	332	12/08	JK
7365	2048	VO America via Thailand. YL with KK talk, ID at 2052	243	28/07	MLF
7385	2052	Xizang PBS, China. S/on mx, YL with Tibetan ID then talk	343	28/07	MLF
7400	0705	TWR, UK. YL with story about Hebrew scroll, EE	444	02/08	
7415	2009	China R Int, Kashi. Bookshelf px, EE	444	27/07	
7415	2156	China R Int, Kashi. Lang lesson, Chinese words for driving, EE	333	05/08	
7445	1723		333	05/08	
		BBC WS via Madagascar. Talk about Boko Haram, EE			
7445	1724	BBC WS via Madagascar. Furniture made from tyres, EE	354	07/08	
7445	1800	BBC WS via Madagascar. Ebola outbreak, EE	333	30/07	
7460	2202	R Free Asia via Mongolia. YL with KK talk to 2202 & abruptly off	343	10/08	
7495	2245	R Algerienne via France. OM with AA talk	444	31/07	
7505	2247	R Free Asia via Tajikistan. OMs with Tibetan sx	444	31/07	MLF
7550	1806	All India R. Commentary US/India relationship, EE	454	01/08	JCa
7550	1819	All India R. Indian classical music, EE	444	05/08	DH
7550	1832	All India R. Px on Japan, EE	454	27/07	SHo
7550	1900	All India R. News, EE	444	28/07	
7570	0000	WRMI, USA. Bro Stair - talk re Missouri riots // 11580 15770 etc	243	22/08	
7585	2343	R Farda, USA. ID in Persian	555	12/08	
7730	0500	WRMI, USA. Overcomer Ministry in EE // 15190	252	03/08	
9295usb	1930	R Nord Revival, Sweden. Fair signal	~~	23/08	
9300	1530	N Korea Reform R via Uzbekistan. OM with KK talk, ID & off	242	14/08	
9335	2128	R Free Asia via Tinian. YL with CC comm & mx, usual jammer	333	03/08	
9345	1535	FEBC via Philippines. YL with Mandarin talk	343	14/08	
9370	1539	R Free Asia via Tajikistan. OM with Tibetan talk	332	14/08	
9370	1605	R Free Asia via Tajikistan. YL with Uighur comm & sx	343	13/08	
9380	1904	All India R, Aligarh. Hindi comm & sx in new svce to S India	343	13/08	MLF
9390	1936	R Thailand. Film review show, news, EE	343	07/08	JCa
9390	1903	R Thailand. Report on Ebola outbreak	444	09/08	SHo
9390	1940	R Thailand. Talk, songs, EE	exInt	03/08	GB
9390	2045	R Thailand. OM with EE talk, ID at 2045 & into Thai	344	06/08	
9400	1953	VOIRI, Tehran, Iran. Virtues of patience, EE	354	27/07	
9410	0002	BBC WS via Thailand news in EE	343	13/08	
9410	1722		333	05/08	
		BBC WS via UAE. Talk about Boko Haram, EE			
9410	1735	BBC WS via UAE. Football news, EE	343	10/08	
9420	0408	ERT Open, Greece. ID in Greek // MWs	454	03/08	
9420	1613	CNR 13, China. OM with Uighur talk	343	13/08	
9420	2255	ERT, Greece. Popular music	544	12/08	JK

9420 2259 ERT Open, Greece. Greek talk 9420 2230 ERT Open, Greece. Greek m. // 9935 15630 444 0508 NB 9430 2000 VO Vietnam via UAE. German nx fair 03/08 GB 9BC WS via Ascension. OM with Hausa talk 342 27/07 SH0 9445 2213 All India R. Px on Japan, EE 242 27/07 SH0 9445 2213 All India R. Px on Japan, EE 242 27/07 SH0 9445 2213 All India R. Business news. EE 344 09/08 DH 9475 0753 R Australia. YL with EE talks about chilchood 344 08/08 MLF 9475 0753 R Australia. YL with EE talks about chilchood 5475 R Australia. YL with EE talks about chilchood 5475 R Australia. Shepparton. Mx px on local bands, EE 333 07/08 SH0 9485 0850 Altantic 2000 via HLR, Germany. Mx, EE ID 333 07/08 DH 9485 1354 Radio City via HLR, Germany, Mungo Jerry song 353 03/08 RP 94510 1000 IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001 IRRS via Romania. WI with "Your Story Hour" px, EE ID at 1001 IRRS via Romania. WI with "Your Story Hour" px, EE ID at 1001 IRRS via Romania. WI with "Your Story Hour" px, EE ID at 1001 IRRS via Romania. What is Obarna's faith? EE 9450 VO Indonesia. Strong QRM from China on 9525, poor on USB 9530 2000 Reterior de Espana. Sign-on in Spanish 353 12/08 JK Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08 DH 9540 1732 R Romania Int. Listeners DX reports, EE 955 05/08	0.400	0050		0.40	00/00	011
9430         2000         VO Viehnam via UAE. German nx         fair         30/308         BB           94440         6850         BBC WS wia Ascension. OM with Hausa talk         343         27/07         SHO           9445         1331         All India R. P. von Japan, EE         444         09/08         DH           9455         1533         R Free Asia via Saipan. YL. & OM CC sx. & comm. off 1630         444         09/08         DH           9475         1748         WTWW 1, Lebanon TN, USA. Gospell mx, YL announcer, EE         433         28/07         JCa           9475         0753         R Australia. News, EE         333         05/08         DH           9475         0753         R Australia. Newpanton. Mx px on local bands, EE         333         07/08         SD           9485         050         Atlantic 2000 via HLR, Germany. Mx, EE ID         333         09/08         DK           9485         1351         Hamburger Lokal R, Germany, History of pirate radio, EE         441         10/08         DK           9485         1301         Hamburger Lokal R, Germany, Mungo Jerry song         353         03/08         RP           9510         1000         IRRS via Romania. What is Obama's faith? EE         441         10/08         DK </td <td></td> <td></td> <td>ERT Open, Greece. Greek talk</td> <td></td> <td></td> <td></td>			ERT Open, Greece. Greek talk			
94440         0569         BBC WS via Ascension. OM with Hausa talk         343         27/07         RH-9           9445         2313         All India R. Px on Japan. EE         444         09/08         DH           9455         1630         R Free Asia via Saipan. YL & OM CC sx & comm, off 1630         344         08/08         ML-P           9475         0753         R Australia. YL with EE talks about childhood         243         36/08         DH           9475         0753         R Australia. News, EE         333         07/08         DH           9475         1742         R Australia. News, EB         333         07/08         DH           9475         1742         R Australia, Shepparton. Mx px on local bands, EE         333         07/08         DH           9485         1301         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9485         1301         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9485         1301         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444         10/08         DH           9510         1002         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444	9420	2320	ERT Open, Greece. Greek mx // 9935 15630	444	05/08	DK
94440         0569         BBC WS via Ascension. OM with Hausa talk         343         27/07         RH-9           9445         2313         All India R. Px on Japan. EE         444         09/08         DH           9455         1630         R Free Asia via Saipan. YL & OM CC sx & comm, off 1630         344         08/08         ML-P           9475         0753         R Australia. YL with EE talks about childhood         243         36/08         DH           9475         0753         R Australia. News, EE         333         07/08         DH           9475         1742         R Australia. News, EB         333         07/08         DH           9475         1742         R Australia, Shepparton. Mx px on local bands, EE         333         07/08         DH           9485         1301         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9485         1301         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9485         1301         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444         10/08         DH           9510         1002         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444	9430	2000	VO Vietnam via UAE. German nx	fair	03/08	GB
9445         1831         All India R. Psuinsess news, EE         242         27/07         SHO           9455         1630         R. Free Asia via Saipan, YL. & OM. CC sx & comm, off 1630         344         08/08         MLP           9475         1748         WTWW 1, Lebanon TN, USA. Gospel mx, YL announcer, EE         343         28/07         JCA           9475         0733         R Australia. YL with EE talks about childhood         243         30/08         MLF           9475         0813         R Australia. News, EE         333         05/08         MLF           9485         0850         Atlantic 2000 via HLR, Germany, Mx, EE ID         333         09/08         DK           9485         134         Hamburger Lokal R, Germany, Murgo Jerry song         353         03/08         DK           9485         134         Hamburger Lokal R, Germany, Murgo Jerry song         353         03/08         DK           9485         134         Hamburger Lokal R, Germany, Story Houri'p X, EE ID at 1001         144         10/08         DH           9510         100         IRRS via Romania. VL with Tor Story Houri'p X, EE ID at 1001         144         10/08         DH           9511         101         IRRS via Romania. VL with Tor Story Houri'p X, EE ID at 1001 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
9445         2213         All India R. Business news, EE         444         09/08         MLP           9475         1748         WTWW 1, Lebanon TN, USA. Gospel mx, YL announcer, EE         343         28/07         JCA           9475         0753         R Australia. YL with EE talks about childhood         243         06/08         MLF           9475         1742         R Australia. News, EE         333         07/08         DH           9475         1742         R Australia, Sepparton. Mx, EE ID         333         07/08         DH           9485         1301         Hamburger Lokal R. Germany, Mingo Jerry song         353         03/08         DK           9485         1301         Hamburger Lokal R. Germany, History of pirate radio, EE         444         10/08         DH           9485         131         Hamburger Lokal R. Germany, History of pirate radio, EE         444         10/08         DH           9510         100         IRRS via Romania. VI. with "Your Story Hour" px, EE ID at 1001         444         10/08         ML           9511         1102         IRRS via Romania. VI. with "Your Story Hour" px, EE ID at 1001         444         10/08         ML           9510         120         IRRS via Romania. VI. with Fis Talk. In Jack Park.         45						
9455         1630         R Free Asia via Saipan, Yi & OM CC sx & comm, off 1630         344         08/08         MLF           9475         1748         WTWWY I, Lebanon TN, USA. Gospel mx, YI. announcer, EE         343         38/07         JG0           9475         0813         R Australia. YI. with EE talks about childhood         243         06/08         MLF           9475         0813         R Australia. News, EE         333         05/08         BH           9485         0850         Atlantic 2000 via HLR, Germany, Mx, EE ID         333         09/08         DK           9485         1301         Hamburger Lokal R, Germany, Murgo Jerry song         353         03/08         DK           9485         1301         Hamburger Lokal R, Germany, Murgo Jerry song         353         03/08         DK           9510         1102         IRRS via Romania. What is Obarna's faith? EE         444         10/08         MLF           9510         1102         IRRS via Romania. What is Obarna's faith? EE         444         10/08         MLF           9510         120         VO Indonesia. Strong ORM from China on 9525, poor on USB         353         12/08         BK           9525.1         130         R Exterior de Espana. Sign-on in Spanish         353         <			·			
9475         1748         WTWW 1, Lebanon TN, USA. Gospel mx, YL announcer, EE         342         28/07         JCA           9475         0753         R Australia. YL with Eet talks about childhood         243         06/08         MLF           9475         1742         R Australia. News, EE         333         07/08         SHO           9485         1301         Hamburger Lokal R, Germany. Mix, EE ID         444         10/08         DH           9485         1301         Hamburger Lokal R, Germany. History of pirate radio, EE         444         10/08         DH           9485         1354         Radio City via HLR, Germany. History of pirate radio, EE         444         10/08         DH           9510         1000         IRRS via Romania. What is Obama's faith? EE         444         10/08         DH           9510         1102         IRRS via Romania. What is Obama's faith? EE         444         10/08         DH           9510         1102         IRRS via Romania. What is Obama's faith? EE         444         10/08         MLF           9510         1102         IRRS via Romania. What is Obama's faith? EE         444         10/08         MLF           9525         2303         R Skictorio de Espana. Signa-on in Spanish         343         36/	9445		All India R. Business news, EE	444		
9475         0753         R Australia YL with EE talks about childhood         243         06/08 MLF           9475         0813         R Australia News, EE         333         07/08 SHo           9485         0850         Atlantic 2000 via HLR, Germany, Mx, EE ID         333         09/08 BV           9485         1354         Hamburger Lokal R, Germany, Mx, EE ID         444         10/08 DH           9485         1354         Radio City via HLR, Germany, Mungo Jerry song         353         03/08 RP           9510         1000         IRRS via Romania, YL with "Your Story Hour" px, EE ID at 1001         444         10/08 MLF           9510         1100         IRRS via Romania, YL with "Your Story Hour" px, EE ID at 1001         444         10/08 MLF           9510         1101         IRRS via Romania What is Obama's faith? EE         444         10/08 MLF           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08 MLF           9525         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         733         12/08 MLF           9540         175         R Romania ht. Talk about icons, EE         555         50/07 B Ho           9540         1727         R Romania ht. Talk about icons, EE         455 <t< td=""><td>9455</td><td>1630</td><td>R Free Asia via Saipan. YL &amp; OM CC sx &amp; comm, off 1630</td><td>344</td><td>08/08</td><td>MLF</td></t<>	9455	1630	R Free Asia via Saipan. YL & OM CC sx & comm, off 1630	344	08/08	MLF
9475         0753         R Australia YL with EE talks about childhood         243         06/08 MLF           9475         0813         R Australia News, EE         333         07/08 SHo           9485         0850         Atlantic 2000 via HLR, Germany, Mx, EE ID         333         09/08 BV           9485         1354         Hamburger Lokal R, Germany, Mx, EE ID         444         10/08 DH           9485         1354         Radio City via HLR, Germany, Mungo Jerry song         353         03/08 RP           9510         1000         IRRS via Romania, YL with "Your Story Hour" px, EE ID at 1001         444         10/08 MLF           9510         1100         IRRS via Romania, YL with "Your Story Hour" px, EE ID at 1001         444         10/08 MLF           9510         1101         IRRS via Romania What is Obama's faith? EE         444         10/08 MLF           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08 MLF           9525         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         733         12/08 MLF           9540         175         R Romania ht. Talk about icons, EE         555         50/07 B Ho           9540         1727         R Romania ht. Talk about icons, EE         455 <t< td=""><td>9475</td><td>1748</td><td>WTWW 1, Lebanon TN, USA. Gospel mx, YL announcer, EE</td><td>343</td><td>28/07</td><td>JCa</td></t<>	9475	1748	WTWW 1, Lebanon TN, USA. Gospel mx, YL announcer, EE	343	28/07	JCa
9475         0813         R Australia, News, EE         333         05/08         DH           9485         1742         R Australia, Shepparton, Mx on local bands, EE         333         05/08         SHO           9485         1301         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9485         1361         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9510         1000         IRRS via Romania, YL with "Your Story Hour" px, EE ID at 1001         444         10/08         DH           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08         DH           9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         9507         03/08         BR           9535         230         R Exterior de Espana. Sign-on in Spanish         555         28/07         31/08         JK           9540         1752         R Romania Int. Eincyclopaedia', The Cooking Show', EE         555         28/07         SHO           9580         213         R Australia. News, EE         455         07/08         SHO           9580         216         R Australia. News, EE         455 </td <td>9475</td> <td>0753</td> <td>· •</td> <td>243</td> <td>06/08</td> <td>MI F</td>	9475	0753	· •	243	06/08	MI F
9475         1742         R. Australia, Shepparton, Mx px on local bands, EE         333         07/08         SHC           9485         0850         Atlantic 2000 via HLR, Germany, Mx, EE ID         333         07/08         DK           9485         1354         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9510         100         IRRS via Romania, YL with "Your Story Hour" px, EE ID at 1001         444         10/08         MLF           9510         1102         IRRS via Romania, YL with "Your Story Hour" px, EE ID at 1001         444         10/08         MLF           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08         MLF           9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         poor         353         12/08         MLF           9540         1750         R Romania Int. Talk about icons, EE         555         05/08         DH           9540         1732         R Romania Int. Talk about icons, EE         455         05/08         DH           9550         2108         VO Vietnam. YL with Fr Ealk, ID at 2108         343         06/08         MLF           9685         2112         Super R Deus é A						
9485         0850         Atlantic 2000 via HLR, Germany, Mx, EE ID         333         09/08         DK           9485         1301         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9510         1000         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444         10/08         MP           9515         1101         IRRS via Romania. What is Obama's faith? EE         444         10/08         DH           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08         MLP           9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         poor         DR         MR           9540         1750         R Romania Int. Eincyclopaedia', 'The Cooking Show', EE         555         28/07         SB           9540         1752         R Romania Int. Listeners DX reports, EE         455         07/08         SHo           9550         2018         VO Vietnam *T. Lwith FF talk, ID at 2108         343         406/08         MLF           9580         0814         R Australia. News, EE         255         29/07         SHo           9600         2017         China R Int, Kashi, Mention of Fred Hollit movie, EE			·			
9485         1301         Hamburger Lokal R, Germany, History of pirate radio, EE         444         10/08         DH           9485         1354         Radio City via HLR, Germany, Mungo Jerry song         353         30/08         RP           9510         1000         IRRS via Romania. What is Obama's faith? EE         444         10/08         DH           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08         MLF           9525.8         1925         VO Indonesia. Strong ORM from China on 9525, poor on USB         poor         33/08         RB           9540         1750         R Romania Int. Talk about icons, EE         555         28/07         JCa           9540         1727         R Romania Int. Stisteners DX reports, EE         455         07/08         SHo           9540         1732         R Romania Int. Stisteners DX reports, EE         455         07/08         SHo           9580         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08         MLF           9605         1628         BEC WS via Singapore. YL with Hindi talk about cricket, off :30         34         14/08         MLF           9625         1718         VO Vietnam. Talk about trees, EE			· · · · · · · · · · · · · · · · · · ·			
9485         1354         Radio Čiţi via HLR, Germany, Mungo Jerry song         353         03/08         RP           9510         1000         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444         10/08         MLF           9510         1102         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444         10/08         MLF           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08         MLF           9525.8         1825         VO Indonesia. Strong ORM from China on 9525, poor on USB         poor         03/08         BB           9540         1750         R Romania Int. Talk about icons, EE         555         28/07         JC           9540         1727         R Romania Int. Listeners DX reports, EE         455         07/08         SHo           9550         2108         R Quer R Deus é Amor. OM with frantic religious talk         344         06/08         MLF           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08         MLF           9580         818         RAustralia. News, EE         222         05/08         MLF           9650         128         BBC WS via Singapore. YL with HYacatak discussions			· · · · · · · · · · · · · · · · · · ·			
9510         1000         IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001         444         10/08         MLF           9510         1102         IRRS via Romania. What is Obama's faith? EE         444         10/08         DH           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08         MLF           9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         poor         03/08         GB           9536         2300         R Exterior de Espana. Sign-on in Spanish         555         12/08         JL/08         JL/09         JL/08         JL/09         JL/09         JL/09         JL/09         JL/09         JL/09         JL/09         JL/09			· · · · · · · · · · · · · · · · · · ·			
9510         1102         IRRS via Romania. What is Obama's faith? EE         444         10/08 DH         DH           9515         1610         KBS World R, S Korea. OM with EE review of local nx         242         14/08 MLF           9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         9500         363         12/08 JK           9540         1750         R Romania Int. Talk about icons, EE         555         28/07 JC2           9540         1732         R Romania Int. Talk about icons, EE         555         05/08 DH           9540         1732         R Romania Int. With Fr Bitk, ID at 2108         343         06/08 MLF           9550         2108         VO Vietnam. Y. With Fr Bitk, ID at 2108         343         06/08 MLF           9550         2108         VO Vietnam. Y. With Fr Bitk, ID at 2108         343         06/08 MLF           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08 MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07 SHo           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08 MLF           9625         1718         VO Witham. Talk	9485	1354	Radio City via HLR, Germany. Mungo Jerry song	353	03/08	RP
9510         1102         IRRS via Romania. What is Obama's faith? EE         444         10/08 DH         DH           9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         0000         03/08 GB           9535         2300         R Exterior de Espana. Sign-on in Spanish         353         12/08 JK           9540         1750         R Romania Int. Talk about icons, EE         555         28/07 JCa           9540         1727         R Romania Int. Talk about icons, EE         555         05/08 DH           9540         1732         R Romania Int. With Fr talk, ID at 2108         343         06/08 MLF           9550         2108         VO Vietnam. Y. Lwith Fr talk, ID at 2108         343         06/08 MLF           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08 MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07 SH0           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08 MLF           9605         1628         BBC WS via Singapore. YL with Kazakh discussions, // 9645         243         14/08 MLF           9625         1718         VO Winton. Talk about trees, E	9510	1000	IRRS via Romania. YL with "Your Story Hour" px, EE ID at 1001	444	10/08	MLF
9515         1610         KBS World R, S Korea. OM with EEr review of local nx         242         14/08 MLF           9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         353         12/08 JK           9540         1750         R Exterior de Espana. Sign-on in Spanish         353         12/08 JK           9540         1752         R Romania Int. Encyclopaedia', The Cooking Show', EE         555         28/07 JCa           9540         1732         R Romania Int. Listeners DX reports, EE         455         07/08 SH0           9550         2108         VO Vietnam. YL with FF talk, ID at 2108         343         06/08 MLF           9580         0814         R Australia. News, EE         222         05/08 DH           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :33         14/08 MLF           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :33         14/08 MLF           9630         1718         VO Vietnam. Talk about trees, EE         444         05/08 DH           9630         173         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08 MLF           9630         176         IBRAR A via Rwanda. OM with Oromo speech, sx/mx, ID 1730         343	9510	1102	· · · · · · · · · · · · · · · · · · ·	444	10/08	DH
9525.8         1925         VO Indonesia. Strong QRM from China on 9525, poor on USB         poor         03/08 GB           9535         2300         R Exterior de Espana. Sign-on in Spanish         353         12/08 JK           9540         1750         R Romania Int. Encyclopaedia', 'The Cooking Show', EE         555         25/07 JCa           9540         1727         R Romania Int. Talk about icons, EE         555         05/08 DH           9540         1732         R Romania Int. Listeners DX reports, EE         455         07/08 Sh0           9550         2108         VO Vietnam. YL with Fr talk, ID at 2108         343         06/08 MLF           9580         0814         R Australia. News, EE         222         05/08 MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07 Sh0           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08 MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08 DH           9630         176 it         IBRA R via Rwanda. OM with Oromo speech, sy/mx, ID 1730         343         14/08 MLF           9635         2703         Deutsche Welle via Kigali. African Link px, EE         444						
9535         2300         R Exterior de España. Sign-on in Spanish         353         12/08 JK           9540         1750         R Romania Int. Encyclopaedia', The Cooking Show', EE         555         28/07 JCa           9540         1727         R Romania Int. Talk about icons, EE         555         50508 DH           9540         1727         R Romania Int. Listeners DX reports, EE         455         07/08 SHo           9550         2108         VO Vietnam. YL with FF talk, ID at 2108         343         06/08 MLF           9580         0814         R Australia. News, EE         222         05/08 DH           9580         2014         Super R Deus é Amor. OM with frantic religious talk         344         06/08 MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07 SMLF           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08 MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08 DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08 MLF           9630         1676         IBRA R via Rwanda. OM with Oromo speech, sx/mx, ID 1730         343<						
9540         1750         R Romania Int. 'Encyclopaedia', 'The Cooking Show', EE         555         28/07 JCa           9540         1727         R Romania Int. Listeners DX reports, EE         555         05/08 DH           9550         2108         VO Vietnam. YL with FF talk, ID at 2108         343         06/08 MLF           9580         0814         R Australia. News, EE         222         05/08 DH           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08 MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07 SHo           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08 MLF           9630         1718         VO Vietnam. Talk about trees, EE         444         05/08 DH           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sv/mx, ID 1730         343         14/08 MLF           9635         2011         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         252         16/08 SH           9655         2120         Deutsche Welle via Kigali. African music, EE         444         07/08 CS           9665         2121         Deutsche Welle via Kigali. African music, EE         <			· · · · · · · · · · · · · · · · · · ·	•		
9540         1727         R Romania Int. Talk about icons, EE         555         05/08         DH           9540         1732         R Romania Int. Listeners DX reports, EE         455         07/08         SHO           9580         0814         R Australia. News, EE         222         05/08         MLF           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08         MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07         SHO           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off: 30         343         14/08         MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08         DH           9630         1634         VO Minorittes, China. OM & YL with Razakh discussions, // 9645         243         14/08         MLF           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sv/mx, ID 1730         343         13/08         MLF           9630         1716         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         444         07/08         CS           9655         2121         Deutsche Welle via Kigali. African Link px, EE			·			
9540         1732         R Romania Int. Listeners DX reports, EE         455         07/08         SHO           9550         2108         VO Vietnam. YL with FF talk, ID at 2108         343         06/08         MLF           9580         0814         R Australia. News, EE         222         05/08         DH           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08         MLF           9605         1628         BSC WS via Singapore. YL with Hindit talk about cricket, off: 30         343         14/08         MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08         DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08         MLF           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08         MLF           9630         1731         RERA Via Rwanda. OM with Oromo speech, sv/mx, ID 1730         343         13/08         MLF           9655         2001         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CL           9665         2120         Deutsche Welle via Kigali. African Link px, EE			R Romania Int. 'Encyclopaedia', 'The Cooking Show', EE			
9550         2108         VO Vietnam. YL with FF talk, ID at 2108         343         06/08 MLF           9580         0814         R Australia. News, EE         22         05/08 DH           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08 MLF           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08 MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08 DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08 MLF           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sv/mx, ID 17730         343         13/08 MLF           9635         0703         RFF/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07 MLF           9655         2001         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         425         16/08 SH           9655         2120         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         444         07/08 CS           9655         2121         Deutsche Welle via Kigali. African Link px, EE         444         05/08 DH           9665         2131         Deutsche Welle via Kigali. Af	9540	1727	R Romania Int. Talk about icons, EE	555	05/08	DH
9550         2108         VO Vietnam. YL with FF talk, ID at 2108         343         06/08 MLF           9580         0814         R Australia. News, EE         22         05/08 DH           9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08 MLF           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08 MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08 DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08 MLF           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sv/mx, ID 17730         343         13/08 MLF           9635         0703         RFF/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07 MLF           9655         2001         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         425         16/08 SH           9655         2120         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         444         07/08 CS           9655         2121         Deutsche Welle via Kigali. African Link px, EE         444         05/08 DH           9665         2131         Deutsche Welle via Kigali. Af	9540	1732	R Romania Int. Listeners DX reports, EE	455	07/08	SHo
9580         0814         R Australia. News, EE         222         05/08         DH           9585         2112         Super R Deus è Amor. OM with frantic religious talk         344         06/08         MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07         SHO           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08         MLF           9630         1634         VO Vietnam. Talk about trees, EE         444         05/08         DH           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sx/mx, ID 1730         343         13/08         MLF           9635         0703         RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. African Ink px, EE         444         07/08         SS           9655         2120         Deutsche Welle via Kigali. African music, EE         444         07/08         SS           9665         2131         Deutsche Welle via Kigali. African music, EE         444         07/08         CS           9665         2131         R Exterior de Espana. Closure of REE in October! EE						
9585         2112         Super R Deus é Amor. OM with frantic religious talk         344         06/08         MLF           9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         343         14/08         MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08         DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08         MLF           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sx/mx, ID 1730         343         13/08         MLF           9635         0703         RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         252         16/08         SH           9655         2120         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CB           9655         2131         Deutsche Welle via Kigali. African music, EE         444         10/08         CB           9660         2105         R Exterior de Espana. Tole on tree maintenance, EE         444         10/08         CB           9665         1953         R Exterior de Espana.			•			
9600         2017         China R Int, Kashi. Mention of Fred Hollit movie, EE         555         29/07         SHo           9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off: 30         343         14/08         MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08         DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08         MLF           9635         0703         RFE/RL via Germany. YL with RC comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         252         16/08         SH           9655         2120         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African music, EE         444         05/08         DH           9660         2000         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SH           9660         2115         R Exterior de Espana. Opera music, EE         544         07/08         JC           9665         1953         R Exterior de Espana. Opera			·			
9605         1628         BBC WS via Singapore. YL with Hindi talk about cricket, off :30         343         14/08         MLF           9625         1718         VO Vietnam. Talk about trees, EE         444         05/08         DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08         MLF           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sx/mx, ID 1730         343         13/08         MLF           9635         0703         RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9665         2131         Deutsche Welle via Kigali. African Link px, EE         444         10/08         CB           9660         2000         R Exterior de Espana. Closure of REE in October! EE         444         10/08         CB           9660         2115         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1907         R Exterior de Espan			·			
9625         1718         VO Vietnam. Talk about trees, EE         444         05/08         DH           9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08         MLF           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sx/mx, ID 1730         343         13/08         MLF           9635         0703         RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9655         2120         Deutsche Welle via Kigali. African music, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African music, EE         444         07/08         CB           9660         2000         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2115         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         SHo           9665         1953         R Exterior de Espana. Tylk with the news in EE         454         07/08         JS           9665         2116         Deutsche Welle via Kigali. Px on WW I,						
9630         1634         VO Minorities, China. OM & YL with Kazakh discussions, // 9645         243         14/08         MLF           9630         1716         IBRA R via Rwanda. OM with Oromo speech, sv/mx, ID 1730         343         13/08         MLF           9635         0703         RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African Link px, EE         444         05/08         DH           9660         2000         R Exterior de Espana. Closure of REE in October! EE         444         00/08         DH           9660         2115         R Exterior de Espana. Closure of REE in October! EE         444         09/08         SH           9660         2141         R Exterior de Espana. Opera music, EE         444         09/08         DH           9665         1953         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         1967         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         1967         R Exterior de Espana. YL with the n			· · · · · · · · · · · · · · · · · · ·			
9630         1716         IBRA R via Rwanda. OM with Oromo speech, sx/mx, ID 1730         343         13/08         MLF           9635         0703         RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         252         16/08         SH           9655         2120         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African Link px, EE         444         05/08         DH           9660         2000         R Exterior de Espana. Feature on publishing conference, EE         444         10/08         CB           9660         2115         R Exterior de Espana. Closure of REE in October! EE         444         09/08         SHo           9660         2115         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         SHo           9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1916         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria,						
9635         0703         RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off         443         27/07         MLF           9655         2001         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         252         16/08         SH           9655         2120         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African music, EE         444         05/08         DH           9660         2000         R Exterior de Espana. Feature on publishing conference, EE         444         10/08         CB           9660         2115         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2141         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1953         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         1967         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2126         R Exterior de Espana. YL with the new						
9655         2001         Deutsche Welle via Kigali. News, Tilbury dock bodies, EE         252         16/08         SH           9655         2120         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African music, EE         444         05/08         DH           9660         2000         R Exterior de Espana. Feature on publishing conference, EE         444         10/08         CB           9660         2115         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2141         R Exterior de Espana. Opera music, EE         444         09/08         DH           9665         1953         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazii. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa <td< td=""><td></td><td></td><td>• • • • • • • • • • • • • • • • • • • •</td><td></td><td></td><td></td></td<>			• • • • • • • • • • • • • • • • • • • •			
9655         2120         Deutsche Welle via Kigali. African Link px, EE         444         07/08         CS           9655         2131         Deutsche Welle via Kigali. African music, EE         444         05/08         DH           9660         2000         R Exterior de Espana. Feature on publishing conference, EE         444         10/08         CB           9660         2115         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2141         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         21125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0545         R Romania Int. Travellers Guide, EE         555	9635	0703	RFE/RL via Germany. YL with RR comm & mx, ID 0700 & off	443	27/07	MLF
9655         2131         Deutsche Welle via Kigali. African music, EE         444         05/08         DH           9660         2000         R Exterior de Espana. feature on publishing conference, EE         444         10/08         CB           9660         2115         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2141         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1997         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0836         R Romania Int. Travellers Guide, EE         222	9655	2001	Deutsche Welle via Kigali. News, Tilbury dock bodies, EE	252	16/08	SH
9660         2000         R Exterior de Espana. feature on publishing conference, EE         444         10/08         CB           9660         2115         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2141         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0545         R Romania Int. Travellers Guide, EE         555         01/08         CS           9700         0836         R New Zealand Int. News, EE         222         06/08         DH           9710         0707         R Australia. YL with news on earthquake in China, EE         444         0	9655	2120	Deutsche Welle via Kigali. African Link px, EE	444	07/08	CS
9660         2000         R Exterior de Espana. feature on publishing conference, EE         444         10/08         CB           9660         2115         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2141         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0545         R Romania Int. Travellers Guide, EE         555         01/08         CS           9700         0836         R New Zealand Int. News, EE         222         06/08         DH           9710         0707         R Australia. YL with news on earthquake in China, EE         444         0	9655	2131	Deutsche Welle via Kigali. African music. EE	444	05/08	DH
9660         2115         R Exterior de Espana. Closure of REE in October! EE         343         09/08         SHo           9660         2141         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0545         R Romania Int. Travellers Guide, EE         555         01/08         CS           9700         0836         R New Zealand Int. News, EE         222         06/08         DH           9710         0707         R Australia. YL with local nx & wx, ID at 0707 & more sports         344         27/07         MLF           9710         0719         R Australia. News, EE         243         28/07         SHo <td></td> <td></td> <td>- The state of the</td> <td></td> <td></td> <td></td>			- The state of the			
9660         2141         R Exterior de Espana. Talk on tree maintenance, EE         444         09/08         DH           9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0545         R Romania Int. Travellers Guide, EE         555         01/08         CS           9700         0836         R New Zealand Int. News, EE         222         06/08         DH           9710         0701         R Australia. YL with news on earthquake in China, EE         444         04/08         CS           9710         0707         R Australia. YL with local nx & wx, ID at 0707 & more sports         344         27/07         MLF           9710         0810         R Australia. News, EE         333         05/08         DH <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td>			· · · · · · · · · · · · · · · · · · ·			
9665         1953         R Exterior de Espana. Opera music, EE         544         07/08         JCa           9665         1907         R Exterior de Espana. YL with the news in EE         455         15/08         PP           9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0545         R Romania Int. Travellers Guide, EE         555         01/08         CS           9700         0836         R New Zealand Int. News, EE         222         06/08         DH           9710         0701         R Australia. YL with news on earthquake in China, EE         444         04/08         CS           9710         0707         R Australia. YL with local nx & wx, ID at 0707 & more sports         344         27/07         MLF           9710         0719         R Australia. Financial news updates, EE         243         28/07         SHo           9715         1939         VOIRI, Iran. Commentary on Gaza conflict, EE         544         07/08						
9665       1907       R Exterior de Espana. YL with the news in EE       455       15/08       PP         9665       2116       Deutsche Welle via Kigali. Px on WW I, EE       232       09/08       SHo         9665       2125       R Voz Missionaria, Brazil. OM with PP talk, ID at 2125       333       06/08       MLF         9689.9       2005       VO Nigeria, Ikorodu. Talk, Hausa       fr/gd       03/08       GB         9700       0545       R Romania Int. Travellers Guide, EE       555       01/08       CS         9700       0836       R New Zealand Int. News, EE       222       06/08       DH         9710       0701       R Australia. YL with news on earthquake in China, EE       444       04/08       CS         9710       0707       R Australia. YL with local nx & wx, ID at 0707 & more sports       344       27/07       MLF         9710       0719       R Australia. News, EE       243       28/07       SHo         9710       0810       R Australia. News, EE       333       05/08       DH         9715       1939       VOIRI, Iran. Commentary on Gaza conflict, EE       544       07/08       JCa         9715       1954       VOIRI, Iran. Talk on Islam in EE       455       15/08			•			
9665         2116         Deutsche Welle via Kigali. Px on WW I, EE         232         09/08         SHo           9665         2125         R Voz Missionaria, Brazil. OM with PP talk, ID at 2125         333         06/08         MLF           9689.9         2005         VO Nigeria, Ikorodu. Talk, Hausa         fr/gd         03/08         GB           9700         0545         R Romania Int. Travellers Guide, EE         555         01/08         CS           9700         0836         R New Zealand Int. News, EE         222         06/08         DH           9710         0701         R Australia. YL with news on earthquake in China, EE         444         04/08         CS           9710         0707         R Australia. YL with local nx & wx, ID at 0707 & more sports         344         27/07         MLF           9710         0719         R Australia. News, EE         243         28/07         SHo           9710         0810         R Australia. News, EE         333         05/08         DH           9715         1939         VOIRI, Iran. Commentary on Gaza conflict, EE         544         07/08         JCa           9715         1954         VOIRI, Iran. Talk on Islam in EE         455         15/08         PP			·			
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9700       0836       R New Zealand Int. News, EE       222       06/08       DH         9710       0701       R Australia. YL with news on earthquake in China, EE       444       04/08       CS         9710       0707       R Australia. YL with local nx & wx, ID at 0707 & more sports       344       27/07       MLF         9710       0719       R Australia. Financial news updates, EE       243       28/07       SHo         9710       0810       R Australia. News, EE       333       05/08       DH         9715       1939       VOIRI, Iran. Commentary on Gaza conflict, EE       544       07/08       JCa         9715       1954       VOIRI, Iran. Prophet from Iraq, EE       444       27/07       SHo         9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08       PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08       JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08       DH         9730       1911       VO Vietnam. Reports in RR       good       03/08       GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07 <td>9689.9</td> <td>2005</td> <td>VO Nigeria, Ikorodu. Talk, Hausa</td> <td>fr/gd</td> <td>03/08</td> <td>GB</td>	9689.9	2005	VO Nigeria, Ikorodu. Talk, Hausa	fr/gd	03/08	GB
9710       0701       R Australia. YL with news on earthquake in China, EE       444       04/08       CS         9710       0707       R Australia. YL with local nx & wx, ID at 0707 & more sports       344       27/07       MLF         9710       0719       R Australia. Financial news updates, EE       243       28/07       SHo         9710       0810       R Australia. News, EE       333       05/08       DH         9715       1939       VOIRI, Iran. Commentary on Gaza conflict, EE       544       07/08       JCa         9715       1954       VOIRI, Iran. Prophet from Iraq, EE       444       27/07       SHo         9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08       PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08       JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08       DH         9730       1911       VO Vietnam. Reports in RR       good       03/08       GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07       RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx	9700	0545	R Romania Int. Travellers Guide, EE	555	01/08	CS
9710       0701       R Australia. YL with news on earthquake in China, EE       444       04/08       CS         9710       0707       R Australia. YL with local nx & wx, ID at 0707 & more sports       344       27/07       MLF         9710       0719       R Australia. Financial news updates, EE       243       28/07       SHo         9710       0810       R Australia. News, EE       333       05/08       DH         9715       1939       VOIRI, Iran. Commentary on Gaza conflict, EE       544       07/08       JCa         9715       1954       VOIRI, Iran. Prophet from Iraq, EE       444       27/07       SHo         9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08       PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08       JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08       DH         9730       1911       VO Vietnam. Reports in RR       good       03/08       GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07       RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx	9700	0836	R New Zealand Int. News, EE	222	06/08	DH
9710       0707       R Australia. YL with local nx & wx, ID at 0707 & more sports       344       27/07 MLF         9710       0719       R Australia. Financial news updates, EE       243       28/07 SHo         9710       0810       R Australia. News, EE       333       05/08 DH         9715       1939       VOIRI, Iran. Commentary on Gaza conflict, EE       544       07/08 JCa         9715       1954       VOIRI, Iran. Prophet from Iraq, EE       444       27/07 SHo         9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08 PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08 JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08 DH         9730       1911       VO Vietnam. YL with a news commentary in EE       455       15/08 PP         9730       2011       VO Vietnam. Reports in RR       good 03/08 GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07 RP         9745       1625       Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)       222       12/08 RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx       242	9710	0701	R Australia. YL with news on earthquake in China, EE	444	04/08	CS
9710       0719       R Australia. Financial news updates, EE       243       28/07       SHo         9710       0810       R Australia. News, EE       333       05/08       DH         9715       1939       VOIRI, Iran. Commentary on Gaza conflict, EE       544       07/08       JCa         9715       1954       VOIRI, Iran. Prophet from Iraq, EE       444       27/07       SHo         9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08       PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08       JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08       DH         9730       1911       VO Vietnam. YL with a news commentary in EE       455       15/08       PP         9730       2011       VO Vietnam. Reports in RR       good       03/08       GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07       RP         9745       1625       Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)       222       12/08       RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx       242			•	344		
9710       0810       R Australia. News, EE       333       05/08       DH         9715       1939       VOIRI, Iran. Commentary on Gaza conflict, EE       544       07/08       JCa         9715       1954       VOIRI, Iran. Prophet from Iraq, EE       444       27/07       SHo         9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08       PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08       JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08       DH         9730       1911       VO Vietnam. YL with a news commentary in EE       455       15/08       PP         9730       2011       VO Vietnam. Reports in RR       good       03/08       GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07       RP         9745       1625       Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)       222       12/08       RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx       242       03/08       MLF			•			
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9715       1954       VOIRI, Iran. Prophet from Iraq, EE       444       27/07       SHo         9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08       PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08       JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08       DH         9730       1911       VO Vietnam. YL with a news commentary in EE       455       15/08       PP         9730       2011       VO Vietnam. Reports in RR       good       03/08       GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07       RP         9745       1625       Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)       222       12/08       RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx       242       03/08       MLF						
9715       2001       VOIRI, Iran. Talk on Islam in EE       455       15/08       PP         9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08       JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08       DH         9730       1911       VO Vietnam. YL with a news commentary in EE       455       15/08       PP         9730       2011       VO Vietnam. Reports in RR       good       03/08       GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07       RP         9745       1625       Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)       222       12/08       RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx       242       03/08       MLF						
9730       1928       VO Vietnam. Music, YL – sign off, EE       444       09/08 JCa         9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08 DH         9730       1911       VO Vietnam. YL with a news commentary in EE       455       15/08 PP         9730       2011       VO Vietnam. Reports in RR       good       03/08 GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07 RP         9745       1625       Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)       222       12/08 RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx       242       03/08 MLF						
9730       1615       VO Vietnam. Victims of Agent Orange, EE       444       06/08 DH         9730       1911       VO Vietnam. YL with a news commentary in EE       455       15/08 PP         9730       2011       VO Vietnam. Reports in RR       good       03/08 GB         9745       0030       R Bahrain. Advertisements in AA, jingles, disco songs       252       29/07 RP         9745       1625       Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)       222       12/08 RP         9750       1504       Nei Meggu PBS, China. OM with Mongolian talk & lots local mx       242       03/08 MLF						
97301911VO Vietnam. YL with a news commentary in EE45515/08PP97302011VO Vietnam. Reports in RRgood03/08GB97450030R Bahrain. Advertisements in AA, jingles, disco songs25229/07RP97451625Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)22212/08RP97501504Nei Meggu PBS, China. OM with Mongolian talk & lots local mx24203/08MLF						
97302011VO Vietnam. Reports in RRgood03/08GB97450030R Bahrain. Advertisements in AA, jingles, disco songs25229/07RP97451625Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)22212/08RP97501504Nei Meggu PBS, China. OM with Mongolian talk & lots local mx24203/08MLF	9730	1615	VO Vietnam. Victims of Agent Orange, EE	444	06/08	DH
97302011VO Vietnam. Reports in RRgood03/08GB97450030R Bahrain. Advertisements in AA, jingles, disco songs25229/07RP97451625Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?)22212/08RP97501504Nei Meggu PBS, China. OM with Mongolian talk & lots local mx24203/08MLF	9730	1911	VO Vietnam. YL with a news commentary in EE	455	15/08	PP
9745 0030 R Bahrain. Advertisements in AA, jingles, disco songs 252 29/07 RP 9745 1625 Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?) 222 12/08 RP 9750 1504 Nei Meggu PBS, China. OM with Mongolian talk & lots local mx 242 03/08 MLF	9730	2011	VO Vietnam. Reports in RR	good	03/08	GB
9745 1625 Mix of R Bahrain + Chinese talk + UNID in VV (Taiwan?) 222 12/08 RP 9750 1504 Nei Meggu PBS, China. OM with Mongolian talk & lots local mx 242 03/08 MLF	9745	0030	•	•		
9750 1504 Nei Meggu PBS, China. OM with Mongolian talk & lots local mx 242 03/08 MLF						

0755	4000	D	400	00/07	
9755	1800	R Japan via S Africa. News in EE	433	23/07	NRe
9755	1814	R Japan via S Africa. News, EE	444	05/08	DH
9755	2146	China Business R, China. YL with CC sx then comm, // 9775	343	06/08	MI F
9760	2015	AWR, Guam. Russian conversation	good	03/08	
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9765	2215	R Romania Int. Talk about architecture, EE	555	09/08	
9780	1712	Deewa R via France. OM with Pashto talk about WHO, YL ID	344	08/08	MLF
9785	1855	VO Turkey. Reports, music, EE	555	09/08	JCa
9785	1835	VO Turkey. News, EE	555	06/08	
9785	1835	VO Turkey. YL with news update, EE	555	01/08	
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9785	1840	VO Turkey. Px on end of Ramadan, EE	444	28/07	
9790	1653	Ashna R via Philippines. OM with Pashto talk, ID at 1653	343	14/08	MLF
9810	2021	VO America via Botswana. Nice music, FF	good	03/08	GB
9815	2238	R Free Asia via Kuwait. OM & YL with Tibetan talk	343	03/08	MLF
9820	1850	R Australia. Live music show, EE	444	09/08	
9820	1804		344	27/07	
		R Australia. News, young unemployment, EE			
9820	1850	R Australia. Discussion with careers, Radio National ID, nx in EE		19/08	
9820	1914	R Australia. OM & YL with Pacific nx & comm	343	13/08	MLF
9830	2202	VO Turkey. News, EE	444	09/08	DH
9830	2241	VO Turkey. OM with EE comm & lots local mx, ID at 2241	444	03/08	MLF
9835	1928	RTM Sarawak, Malaysia. OM with Malay comm, EE/Malay pop	233	13/08	
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9855	2244	R Australia via UAE. YL with EE talk on reading & writing // 9900		03/08	
9860	1730	VOIRI, Sirjan, Iran. OM with GG ID, ex 9570 // 7410	444	14/08	
9860	1759	VOIRI, Sirjan, Iran. YL with long talk, no sign of // 7240, GG	433	14/08	SH
9875	1935	VO Korea, N Korea. YL with EE talks in KK // 11635	343	13/08	MLF
9885	2030	VO America via Sao Tome. French px start	good	03/08	
9895	2131	R Cairo, Egypt. Very distorted audio, YL, EE	332	09/08	
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9900	2255	R Australia via UAE. EE, cookery, sports nx @ TOTH // 9855	232	16/08	
9915	2002	BBC WS, Woofferton, UK. E Ukraine air crash, EE	455	27/07	
9925	1837	R Pilipinas, Philippines. OM with EE/Filipino talk // 15190	242	08/08	MLF
9935	0435	ERT, Greece. Non stop Greek pops // 9420 15630	454	01/08	RM
9940	1938	TWR via Swaziland. OM & YL with FF comm	343	13/08	
9975	1843	R Free Asia via Tinian. OM & YL with KK discussion	344	08/08	
10000	2034	Observatorio Nacional, Brazil. Usual IDs, time	fair	03/08	
11520	0846	WEWN, USA, OM with rel px, EE	444	05/08	
11520	1011	WEWN, USA. Bible Study, EE	433	06/08	DH
11565	0900	WHRI, USA. Call to Worship Ministries until 0930	252	10/08	RP
11565	1010	Overcomer Ministry, USA (via WHRI). Brother Stair, EE	333	06/08	DH
11580	1820	All India R. Indian classical mx, EE	333	05/08	
11595	1331	HCJB, Australia. Programme in Hindi	354	16/08	
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11610	1521	China R Int. Japanese politics, EE	444	09/08	
11615	1908	R Exterior de Espana. YL with news in EE	455	15/08	
11615	2022	R Exterior de Espana. OM with FF talk & YL comments	343	29/07	MLF
11620	1602	VOIRI, Iran. Zionist lobby in UK, EE	333	07/08	DH
11625	1732	Vatican R. Talk about alter servers, EE	444	05/08	DH
11625	1734	Vatican R. Latest on Ebola outbreak in W Africa, EE	354	07/08	
11635	1920	VO Korea, N Korea. Commentary, music, EE	343	09/08	
11635	1902	VO Korea, N Korea. OM with station ID, EE	434	15/08	
11635	2029	VO Korea, N Korea. OM with KK comm & lots sx/mx // 9875	343	07/08	MLF
11650	2154	CNR 1, China. OM & YL with CC talk & sx/mx, Beijing // 11710	343	27/07	MLF
11660	2000	BBC WS via Ascension. OM with Hausa ID & off	343	13/08	MLF
11660	2210	China R Int, Kashi. FF service, OM with talk, YL with light mx	pr/fr		RAD*
11660	2218	China R Int, Kashi. FF talk till 2225, ID and close, light CC mx	fair		RAD*
11660	2226	China R Int. Signing off in French	555	12/08	
11665	1413	China R Int, Kashi. Health discussion, EE	333	05/08	
11670	1821	All India R. Indian classical music, EE	444	05/08	DH
11670	1830	All India R. Talk on India and music in EE	545	15/08	PP
11670	1833	All India R. Px on India-Pakistan war, EE	454	27/07	
11670	2108	All India R. GOS, EE, Indian PM's fight on poverty // 11740	444	16/08	
11670	2214	All India R. Commentary	433	12/08	
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11675	1414	China R Int. Health discussion, EE	222	05/08 DH
11675	1505	BBC WS via Oman. News, EE	333	05/08 DH
11675	1554	BBC WS via Oman. Sports px, EE	354	08/08 SHo
11675	1600		422	08/08 NRe
		BBC WS via Oman. News, EE		
11695	1430	China R Int. Pilipino service with station ID	455	15/08 PP
11695	2032	R Australia. OM with "Pacific Beat" px	343	07/08 MLF
11695	2115	R Australia. Phone-in, cooking pumpkins // 13630 15415	444	16/08 MTG
11695	2137	R Australia, Shepparton. Commonwealth Games report, EE	444	03/08 SHo
		· · · · · · · · · · · · · · · · · · ·		
11695	2215	R Australia, Shepparton. Song, IDs, reports	fair	03/08 GB
11695	2217	R Australia. Healthy eating	433	12/08 JK
11720	1335	SWR Finland. Tentative with heave rock (schedule lists 11690)	343	02/08 RC
11725	0535	R New Zealand Int. OM with stock market nx, EE	343	01/08 CS
11725	0645	R New Zealand Int. Interview in EE	422	30/07 NRe
11725	0715	R New Zealand Int. OM presenter, EE	242	28/07 SHo
11725	0755	WRMI, USA. OM with rel px and station address in EE	534	14/08 PP
11725	1927	R New Zealand Int. OM & YL with EE discussion abt behaviour	242	14/08 MLF
11730	2129	R Belarus. Local songs, EE	444	05/08 DH
11730	2224	Overcomer Ministry, USA. Religious prog	453	12/08 JK
11730	2300	Family R, USA. Spanish	454	12/08 JK
			433	22/07 NRe
11735	1800	ZBC, Zanzibar, Tanzania. IS, ID, news		
11735	1803	ZBC, Zanzibar, Tanzania. "ZBC Radio", African music, EE	333	13/10 DH
11735	2026	ZBC, Zanzibar, Tanzania. YL with Swahili talk & local mx/sx	343	11/08 MLF
11750	1640	SLBC, Sri Lanka. Sinhala comm & local sx/mx	343	16/08 MLF
11760	1340	China R Int. EE, bio of mx group Beastie Boys and their songs	555	03/08 RP
11760	2202	R Havana Cuba. OM with SS ID & nx review // 11840	343	27/07 MLF
11764.7	2132	Super R Deus é Amor, Brazil. PP, OM monologue & song	232	16/08 MTG
11765	1415	China R Int. Health discussion, EE	222	05/08 DH
11765	1431	China R Int. Tourist px in EE	455	15/08 PP
11765	2032	R Algerienne via France. OM with AA chanting then talk	343	11/08 MLF
11770	2147	VO Nigeria. OM with Swahili talk, sx/mx, ID at 2147, off 2158	242	02/08 MLF
11780	2036	R Nacional, Brazil. OM with PP talk	243	11/08 MLF
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11780	2138	RN Amazonia, Brazil. PP, football commentary, "gooaal"	232	16/08 MTG
11780	2222	R Nacional, Brazil. "Goooooooool", sport	good	03/08 GB
11785	2308	R Free Asia via Tinian. OM with CC talk	343	31/07 MLF
11800	1900	Deutsche Welle via Kigali. News, EE	422	27/07 NRe
11800	2130	Deutsche Welle via Kigali. African mx, EE	444	05/08 DH
11810	2201	KBS World R, South Korea. Sign on and news, EE	333	09/08 DH
11845	1730		354	07/08 SHo
		VO America via Vatican. Station anns, Report from Africa, EE		
11845	1750	VO America via Vatican. Ebola, EE	444	06/08 DH
11850	2100	BBC WS via Singapore. OM with AA comm to 2100, ID & off	343	07/08 MLF
11854.9	2213	R Aparecida, Brazil. OM with PP comm & Y/L sx // 9630	242	27/07 MLF
11855	2228	R Aparecida, Brazil. Songs, IDs	good	03/08 GB
11865	1613	AWR via Guam. Bible study	333	06/08 DH
11865	1959	Deutsche Welle via Kigali. Station anns and close, EE	242	27/07 SHo
11865	2132	Deutsche Welle via Kigali. African mx, EE	333	05/08 DH
11890	1401	BBC WS via Oman. Talk about space missions, EE	333	06/08 DH
11890	1506	BBC WS via Singapore. News, EE	333	05/08 DH
11890	1530	BBC WS via Singapore. Football, EE	433	10/08 NRe
11895	1552	BBC WS via Kranji. Sport px, EE	354	08/08 SHo
11900	1753	China R Int. Success in Profile, EE	444	06/08 DH
			343	27/07 MLF
11900	2216	Vatican R via Philippines. OM with CC talk, IS & off to 2300		
11945	0655	R Australia. Sports news, EE	333	10/08 DH
11945	0815	R Australia. News, EE	434	05/08 DH
11945	0852	R Australia. Talk on the market, EE	343	05/08 PP
11945	0902	R Australia. News, EE	333	06/08 DH
11955	2016	AWR via Austria. Dyula talks, ID at 2016, not 9770 as WRTH	343	13/08 MLF
			444	05/08 DH
11955	2127	AWR via Austria. Contact details, close down, EE		
11955	2328	R Romania Int. Spanish	544	12/08 JK
11965	2044	R Japan. OM & YL with JJ talk 1900-2300	343	11/08 MLF

11	980	0600	R Dniprovskaya Khvylia, Ukraine. Tones to 0600, Ukrainian anns	232	16/08	MLF
	985	2150	HCJB via Ascension. OM with Pulaar talk	343	05/08	
11	995	1606	AWR via Sri Lanka. YL talk on explorers, EE	343	28/07	JCa
11	995	1614	AWR via Sri Lanka. Bible Study	333	06/08	DH
11	995	2056	R France Int, Issoudun. OM anns, FF, ID, close anns, off 2100	fair	17/08	RAD*
12	000	2220	VO Vietnam. YL with CC comm & mx/sx	343	27/07	MLF
12	010	2310	BBC WS via Thailand. OM with EE talk about Ebola outbreak	332	31/07	MLF
12	010	2321	BBC WS via Thailand. End of Commonwealth Games, EE	252	03/08	SHo
12	015	1745	China R Int, Beijing. Chinese media survey, EE	433	07/08	SHo
12	015	1956	VO Korea, N Korea. YL with GG comm & local mx, ID 1957	344	30/07	MLF
12	020	2222	VO Vietnam. YL with CC sx/mx, NOT // 12000	242	27/07	MLF
12	035	1530	VO Tajik, Tajikistan. OM with Tajik talk, "Ovozi Tojik", ID 1530	344	09/08	MLF
12	040	2050	VO America via Germany. OMs with Hausa talk about football	443	11/08	MLF
	055	1600	TWR India via Yerevan. OM with EE/Bhili bible readings, off	343	09/08	
	085	1535	R Australia. Discussion on crime levels, EE	333	28/07	
	085	0910	Mongolia (tentative). Chinese type mx, YL, too weak for ID	121	11/08	
	085	1306	R Australia. News, EE	222	05/08	
	085	1603	R Australia. Science Show - Gravity waves w/Paul Davies // 9475		27/07	
	085	1647	R Australia. Jazz music px, EE	445	24/07	
	095	0720	BBC WS via Ascension. Commonwealth Games update, EE	242	28/07	
	095	1550	BBC WS via S Africa. Sports news in EE	222	13/08	
	095	2100	BBC WS via Ascension. Time pips, station anns and news, EE	343	07/08	
	105	1627	R Dialogue via Madagascar. African music, VV	333	07/08	
	105	2057	WTWW, USA. "Bible Worldwide" in PP, ID at 2057, off 2100	243	13/08	
	105	2324	WTWN, USA. OM with special presentation in Yoruba,. EE ID	343	31/07	
	120	1735	R Pilipinas, Philippines. Px for workers abroad, mainly Tagalog	333	05/08	
	125	1607	IBRA R via Yerevan. OM with Amharic talk	343	09/08	
	895 570	1547	VO America via Botswana. 'Border Crossings' mx, EE	344	28/07	
	570 500	1759	China R Int. Roundtable, EE	444	06/08	
	580 580	1759	Bangladesh Betar, Mx, news commentary, EE	544	19/08	
	580 580	1747	Bangladesh Betar. Sign on and news, EE	444	06/08	
	580 580	1800	Bangladesh Betar. "True path of Islam", EE	444	29/07	
	580 580	1816	Bangladesh Betar, Yl with my on court case, my FF	444	05/08	
	580 580	1826 1829	Bangladesh Betar. YL with nx on court case, mx, EE	454 544	11/08 15/08	
	580 580		Bangladesh Betar. Talk on independence, EE Bangladesh Betar. Mx, station anns and close, EE	544	27/07	
	580 605	1859 1242	All India R, Bangalore. OM & YL with CC talk & mx	444 343	14/08	
	610	0723	CNR 1, China. OM & YL with CC talk	243	27/07	
	610	1308	China R Int. News about major earthquake, EE	444	05/08	
	620	1840	R France Int, Issoudun. OM with passionate talk, FF – RR listed	242	11/08	
	630	0626	R Australia. YL with EE talk about music then OM ID	243	08/08	
	630	1545	R France Int. OM with RR talk // 15215	343	03/08	
	630	2137	R Australia, Shepparton. Commonwealth Games report, EE	242	03/08	
	640	1855	All India R, Bangalore. Indian mx, OM vocals, // 9720, AA	353	11/08	
	650	1045	VO Turkey. YL with Uzbek talk	343	26/07	
	650	1222	China R Int via Albania. Drivers of the Chinese economy, EE	444	06/08	
	650	1700	R Kuwait, Kabd. Local mx, vocals, TS, anns, fanfare, ID, AA	252	14/08	
	660	1712	BBC WS, Woofferton, UK. Weak signal, radio play? // web, Dari	252	14/08	
	660	1835	BBC WS, Woofferton, UK. Px on Malaria, EE	242	27/07	
	670	1728	VOIRI, Kamalabad, Iran. OM with anns, px start, // 11965, Swah.	252	14/08	SH
13	675	1655	R Free Asia via Tajikistan. OM with Mandarin talk then EE comm		07/08	MLF
13	690	1554	Deewa R via Germany. OM with Pashto sx & comm	343	03/08	MLF
13	695	1745	All India R, Bangalore. AIR IS loop. ID, start of EE bx, anns, EE	252	14/08	SH
13	695	1822	All India R, Bangalore. Indian classical mx, EE	333	05/08	DH
	710	0819	China R Int. Talk on Libya, EE	444	05/08	
13	710	1334	All India R. YL with news in EE	233	16/08	PP
	710	1416	China R Int. Talk about stray cats, EE	444	05/08	
	750	0638	R France Int. OM with Hausa talk, ID & off 0630	243	08/08	
13	760	1303	VO Korea, Pyongyang, N Korea. Sign on, patriotic songs, EE	333	05/08	DΗ

13760	1335	VO Koroa Dyongyang N Koroa Commontary EE	322	23/07	NDo
		VO Korea, Pyongyang, N Korea. Commentary, EE			
13760	1730	China R Int. Cosmetics industry in China, EE	444 555	06/08	
13760	1735	China R Int. Roundtable discussion on business, EE	17/08		
13760	1747	China R Int. Chinese media survey, EE	07/08		
13760	2117	VO Korea, Pyongyang, N Korea. News, EE	243	27/07	
13760	2130	VO Korea, Pyongyang, N Korea. YL with EE & lots KK mx/sx	444	27/07	
13760	2144	VO Korea, Pyongyang, N Korea. YL poem for re-unification	453	16/08	MTG
13760	2146	VO Korea, Pyongyang, N Korea. Military songs, EE	333	05/08	DH
13765	1745	Vatican R. Talk about Ebola, EE	343	06/08	DH
13780	1559	VOIRI, Iran. Zionist lobby in UK, EE	333	07/08	DH
13780	1605	VOIRI, Sirjan, Iran. OMs with EE talk about Lebanon	242	03/08	MLF
13810	1416	Overcomer Ministry via Nauen. Brother Stair talk, EE	544	20/07	
13810	1453	Overcomer Ministry via Nauen. Brother Stair, EE	333	05/08	
13830	1611	BBC WS via Thailand. OMs with Tamil discussions, off 1615	243	03/08	
13845	1200	WWCR 3, USA. Religious px in EE	433	09/08	
13845	1335	WWCR 3, USA. Medical properties of charcoal, EE	444	05/08	
13845	1455	WWCR 3, USA. Talk about conspiracy, EE	222	05/08	
13845	2227	University Network, Anguilla. Bible study	454	12/08	
13870	1759	·	444	11/08	
	1804	VO America via Nauen, OM with report, Ebela, // 12005, Ambarica		11/08	
13870		VO America via Nauen. OM with report, Ebola, // 12005, Amharic			
14670	1922	CHU, Ottawa, Canada. Time service	weak		
15000	1920	WWV, Colorado, USA. Usual time service, OM voice	fair	03/08	
15030	1100	All India R, Aligarh. Lots local mx to 1056, EE ID & nx to 1100	242	26/07	
15090	1304	R Azadi (pres). Px in Dari	333	16/08	
15115	1350	VO America via Thailand. OM with Mandarin talk	343	06/08	
15120	0955	VO Nigeria. OM – commentary, EE	332	06/08	
15120	0600	VO Nigeria. YL with ID and nx, EE	533	10/08	
15120	0816	VO Nigeria. YL with EE talk, co-ch QRM from UNID station	222	05/08	
15120	0846	VO Nigeria. Px on role models, EE	354	05/08	
15120	0945	VO Nigeria. Civil aviation in Nigeria, EE	322	24/07	NRe
15120	0945	VO Nigeria. ID, press review – Ebola, EE	342	07/08	DK
15130	1108	R Romania Int. Talk on Moldovan economy, EE	555	06/08	DH
15130	1115	R Romania Int. The Future Starts Today px, EE	444	01/08	CS
15130	1128	R Romania Int. Listeners Letterbox, OM in EE	555	11/08	PP
15140	1425	R Sultanate of Oman. Pop mx show, nx by YL, EE	344	27/07	JCa
15140	1424	R Sultanate of Oman. "Your favourite station, 90.4 FM", mx, EE	333	05/08	DH
15140	2139	R Sultanate of Oman. AA vocals, talk, instrumental mx, off	fr/gd		RAD*
15150	1322	BBC WS, UK. Talk on farming and fruit flies, EE	433	16/08	
15160	1330	R Romania Int. Programme in RR	444	16/08	
15180	1130	VO Korea, N Korea. YL with FF comm & local mx	242	02/08	
15180	1631	VO America. Sudan in Focus px, evacuation of aid workers, EE	444	07/08	
15190	1515	IRRS-Shortwave, Milan. OM with religious talk, EE	444	27/07	
15190	0715	R Africa via USA. Religious px, EE	222	02/08	
15190	1500	R Santec via Romania. GG & EE - Christian message	423	27/07	
15190	1737	R Pilipinas, Philippines. Px for workers abroad, mainly Tagalog	333	05/08	
15190	1812	R Pilipinas, Philippines. OM & YL Filipino talk, ID at 1824	343	07/08	
15190	1835	R Pilipinas, Philippines. News in EE and VV	444	15/08	
15190	1912	R Pilipinas, Philippines. Tagalog, talk	fair	03/08	
					RAD*
15190	2202	R Africa via Okeechobee. Vocals, ID for R Africa & WRMI	good		
15190	2246	R Africa via Okeechobee. Many IDs, contact details, EE	good	03/08	
15195	1105	R Free Asia via UAE. OM with Tibetan talk, Kuwait // 17495	343	26/07	
15205	1412	Pan American BC via Issoudun. Hymn, Bible, EE	443	27/07	
15205	1422	Pan American BC via Issoudun. OM with rel px in EE	434	15/08	
15215	1846	Bible Voice BC via Moosbrunn. Rel px, EE	242	27/07	
15225	1410	RFE/RL via France. Turkmen discussions, Germany // 12025	343	06/08	
15235	1720	Channel Africa, S Africa. Talk about geology, EE	444	05/08	
15235	1745	Channel Africa, S Africa. Africa Digest	444	11/08	
15240	1107	VO Turkey. YL with CC talk	343	26/07	
15240	2301	R Australia, Shepparton. Female newsreader, EE	242	03/08	SHo

15245	1000	VO Karaa N Karaa Station ID fallowed by my EE	242	01/00	ICo.
15245	1800	VO Korea, N Korea. Station ID followed by mx, EE	343	01/08	
15245	1304	VO Korea, N Korea. Sign on, patriotic songs, EE	333	05/08	
15245	1347	VO Korea, N Korea. YL with station ID in EE	454	10/08	
15245	1357	VO Korea, N Korea. OM with EE comm & KK sx, ID & off 1358	343	06/08	
15245	1507	China R Int. News about major earthquake, EE	444	05/08	
15245	1818	VO Korea, N Korea. Talk on human rights	444	11/08	JK
15245	1820	VO Korea, Pyongyang, N Korea. OM with ID, military choir, EE	444	09/08	CS
15245	1824	VO Korea, Pyongyang, N Korea. "Crimes committed by GIs", EE	444	05/08	DH
15245	2115	VO Korea, Pyongyang, N Korea. News, EE	354	27/07	SHo
15245	2145	• • •	344	09/08	
15245	2145	VO Korea. Pyongyang, N Korea. Military songs, EE	444	05/08	
15250	1609	China R Int. 'China Drive', wx, EE	544	28/07	
15250	1425	Athmik Yatra R via Germany. OM with Gamit talks, ID at 1429	343	06/08	
15250	1651	China R Int. Space travel, EE	444	08/08	
	0600	•	444	23/07	
15255		Channel Africa via Meyerton. News, Malaysia jet crash, EE			
15275	1908	Deutsche Welle via Kigali. 'Africa Link' – Sudan conflict, EE	444	13/08	
15275	1742	Deutsche Welle via Kigali. French	444	11/08	
15310	1358	BBC WS via Thailand. Talk on comets, EE	333	06/08	
15315	1900	Sawtu Linjiila via France. OM with Fulfulde talk, mx, ID & off	444	07/08	
15344.5	2136	R Nacional, Argentina. YL with SS ID & talk	343	27/07	
15345	1815	R Argentina Exterior. Bond defaults, EE	222	05/08	DH
15345.22	1916	R Nacional, Argentina. Culture, SS	good	03/08	GB
15350	0820	China R Int. Talk on Libya, EE	333	05/08	DH
15360	1635	AWR via Sri Lanka. Mx, discussion on 'guilt', EE	343	28/07	JCa
15360	1436	R France Int. OM with Farsi talk	343	06/08	MLF
15360	1652	AWR via Sri Lanka. Religious talk, EE	333	08/08	
15370	1438	R Havana Cuba. Lots of rumba mx & sx, OM with SS ID at 1438	343	06/08	
15375	1400	R Japan via Uzbekistan. Japanese novelty tunes & songs, ID	343	27/07	
15400	1109	R Romania Int. Talk on Moldovan economy, EE	444	06/08	
15400	1115	R Romania Int. Business Club px, EE	444	05/08	
15400	1129	R Romania Int. Listeners Letterbox, OM in EE	454	11/08	
15400	1724	BBC WS via Ascension. Talk about Boko Haram, EE	444	05/08	
15400	1735		433	06/08	
		BBC WS via Ascension. IS, unrest in Nigeria, EE			
15400	1738	BBC WS via Assension. Focus On Africa	353	11/08	
15400	1800	BBC WS via Ascension. Station anns and news, EE	242	07/08	
15415	0620	R Australia. OM with sports commentary, EE	433	09/08	
15415	0654	R Australia. Sports news, EE	333	10/08	
15415	2135	R Australia. Commonwealth Games report, EE	344	03/08	
15415	2210	R Australia. Nx, ID, breakfast show // 13630, EE	244	10/08	
15435	1737	BSKSA, Saudi Arabia. Arabic	544	11/08	
15450	1437	HCJB, Australia. Religious talk, US tornadoes, EE	443	27/07	
15450	1243	VO Turkey. News by YL, EE	444	14/08	DH
15450	1245	VO Turkey. European History and the Turks, EE	544	05/08	CS
15450	1427	Reach Beyond, Australia. Advice on dress making, EE	333	05/08	DH
15450	1438	Reach Beyond, Australia. EE, Christian, "When Tragedy Strikes"	343	27/07	MTG
15450	1514	Reach Beyond, Australia. YL with EE talk on stress management	t 343	06/08	MLF
15460	1528	RFE/RL via France. OM & YL with Tajik talk, YL with ID at 1527	343	06/08	MLF
15465	0821	China R Int. Talk on Libya, EE	222	05/08	DH
15470	1455	BBC WS via S Africa. OM with Somali talk, ID at 1455	343	06/08	
15475	1030	R Kuwait. OMs with AA talk, ID at 1030 & off	242	10/08	
15485	1610	R Taiwan Int via France. YL with EE review Taiwanese nx, ID	344	09/08	
15485	1645	R Taiwan Int. Talk on higher education, EE	232	08/08	
15490	0800	Reach Beyond, Australia. OM with God's work in EE	343	14/08	
15490	0800	Reach Beyond, Australia. Talk on prejudice, EE	434	05/08	
15490	0817	· · · · · · · · · · · · · · · · · · ·	333	05/08	
		WEWN, USA. Discussion on pornography, EE			
15520	1638	VO Turkey. News, EE	444 555	08/08	
15540	1922	R Kuwait. Talk - Islam and divorce, music, EE	555	09/08	
15540	1625	R Kuwait. YL with Urdu ID then talk	343	06/08	
15540	1735	R Kuwait. Urdu	454	11/08	٦r

15540	1834	R Kuwait. YL with news headlines in EE	455	15/08	PP
15540	1840	R Kuwait. YL with sports news, mailing details, EE	444	01/08	CS
15550	1306	UNID. Chinese [Jammer scheduled 1200 – 1430 – ed]	454	16/08	
15550	1628	R Dabanga via UAE. OM with ID in Darfuri AA then off	444	06/08	
15565	0818	WHRI, USA. Devotional songs, EE	333	05/08	
15570	0640	Vatican R. Talk about Ebola emergency, EE	544	09/08	
15570	0650	Vatican R. African service, talk about Ebola, EE	444	10/08	
15570	1730	Vatican R. African service	454	11/08	JK
15570	1731	Vatican R. Talk about alter servers, EE	444	05/08	DH
15570	1736	Vatican R. Latest on Ebola outbreak in W Africa, EE	252	07/08	SHo
15575	1301	KBS World R, S Korea. Sign on and news, EE	222	05/08	
15575	1305	KBS World R, S Korea. YL & OM with EE talk	242	14/08	
15575	1349	KBS World R, S Korea. OM singing, EE	444	10/08	
	1510		444	05/08	
15580		China R Int. Health discussion, EE			
15580	1648	VO America via Botswana. Africa News Tonight	444	11/08	
15580	1726	VO America via Botswana. Talk on Afghanistan, EE	444	05/08	
15580	1756	VO America via Botswana. Roundtable px, EE	344	07/08	
15580	1800	VO America via Botswana. EE news	433	28/07	NRe
15580	1827	VO America via Botswana. African news in EE	534	15/08	PP
15580	2142	VO America via Botswana. Record requests, EE	333	05/08	DH
15595	1625	Vatican R. YL with talk on the First World War, EE	544	05/08	CS
15610	1200	WEWN, USA, EE	433	03/08	
15620	1648	VO America via Botswana. Somali	353	11/08	
15640	1520	Bible Voice via Bulgaria. Bible study, EE	444	08/08	
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15650	1320	ERT, Greece. Greek, OM & YL song & other mx	333	05/08	
15660	1318	BBC WS via ? Newshour, EE [via Thailand – ed]	333	05/08	
15660	1320	BBC WS via UNID site. OM with EE world nx [via Thailand – ed]	343	14/08	
15700	0642	Deutsche Welle via Kigali. Skateboarding police, EE	444	10/08	
15715	1116	VO America, Greenville. FF talk, ID at 1114, Sa only 1100-1130	343	26/07	MLF
15720	2236	R New Zealand Int. Talk	fair	03/08	GB
15735	1415	R Japan via Tashkent. Music show, EE	343	27/07	JCa
15735	1410	R Japan via Tashkent. Talk about food production, EE	333	05/08	DH
15735	1415	R Japan via Tashkent. Japan Today px, EE	222	24/07	NRe
15770	0540		353	15/08	
15770	1300	Overcomer Ministry via WRMI. Religious px in EE	233	26/07	
15780	1330	VO America via Philippines. OM in KK, Tinian // 11935	343	14/08	
15790	1639	BBC WS via Meyerton. Swahili (?) talk about Ebola	454	11/08	
15795	1058	WWCR, USA. News, EE	333	08/08	
15825	1200	WWCR 1, USA. Religious px in EE	222	08/08	
15825	1323	WWCR 1, USA. Gospel music, EE	333	05/08	
15825	1638	WWCR, USA. Religious px in EE	454	11/08	
15825	1656	WWCR 1, USA. Devotional song, EE	333	08/08	DH
15825	1727	WWCR 1, USA. Religious talk, EE	444	06/08	DH
16450	1043	Sound of Hope via Taiwan. YL & OM with CC talk & mx bridges	232	10/08	MLF
17480	0822	China R Int. Talk on Libya, // 17490, EE	333	05/08	DH
17490	0840	China R Int. Jome schooling programme, EE	555	05/08	
17490	1246	China R Int. Talk on Chinese literature, EE	555	06/08	
17500	1610	R Inyabutatu via France. OM with Kinya-rwanda talk, ex 17870	242	16/08	
17505	0625	· · · · · · · · · · · · · · · · · · ·	444	09/08	
		China R Int. YL and OM with talk on cement industry, EE			
17510	1002	All India R. YL with news in EE	354	10/08	
17515	1455	R Free Asia via Tajikistan. OM with Tibetan talk	332	03/08	
17530	0600	VOIRI, Sirjan, Iran. Mailbag with Dario Gabrielli letter, SS	454	15/08	
17530	1336	VO America via Vatican. OM with Somali talks	344	08/08	
17560	8000	VO America via Tinang. CC mx, news, anns, off with TS at 0100	fair	14/08	
17630	1205	China R Int. People In The Know px, EE	544	07/08	CS
17630	1309	China R Int. News about major earthquake, EE	444	05/08	DH
17630	1421	China R Int. Talk about stray cats, EE	444	05/08	DH
17670	1110	R Romania Int. Talk on Moldovan economy, // 17680, EE	333	06/08	
17670	1130	R Romania Int. Listeners Letterbox, OM in EE // 17680	545	11/08	
		,	-		

17670 17670	1340 1823	AWR via Madagascar. OM with Vietnamese talk All India R. Indian classical mx, EE	242 222 444		DH
17680	1100	R Romania Int. IS, OM with ID, YL with "Radio Newsreel", EE		04/08	
17690 17700	1102 1510	R Free Afghanistan via Kuwait. OM with Dari talk, // 15090	242	10/08 03/08	MLF
17780	1725	VO America via Vatican. OM with Hausa talk on Nigeria, ID 1510	343	05/08	DH
17780	1725	BBC WS via Ascension. Talk about Boko Haram, EE BBC WS via Ascension. USA interests in Africa, EE	455	07/08	
17790	1323	BBC WS, UK. Talk on farming and fruit flies, EE	242	16/08	
17790	1514		343	03/08	
17790	0615	BBC WS via Singapore. YL then OM Urdu talk, ID at 1514 Deutsche Welle, Germany. African nx, Ebola crisis, EE	443	09/08	
17800	1030	VOIRI, Kamalabad, Iran. OM with world news update, EE	433	03/08	
17820	1106	VOIRI, Kamalabad, Iran. OM & YL with EE talk & listeners letters		10/08	
17830	0717	BBC WS via Meyerton. Threat from ISIS to N Irag refinery, EE	353	28/07	
17830	1752	BBC WS via Ascension. USA interests in Africa, EE	344	07/08	
17895	1520	VO America via Botswana. 'Music Time in Africa', EE	343	27/07	
17895	1511	China R Int. Health discussion, EE	333	05/08	DH
17895	1540	VO America. Border Crossings in EE, Neil Sedaka "Oh Carol"	555	11/08	
17895	1757	VO America via Greenville. Roundtable px, EE	243	07/08	
17895	1826	VO America via Botswana. Px on Art, EE	243	27/07	
19000	2300	R Australia, Shepparton. Female newsreader, EE	242	03/08	
19060	1840	Tajik R Home Svce. Folk songs // 4765 14295 not // 9530			
		[19060 is fourth harmonic of 4765 – ed]	252	29/07	RP
21500	0545	R Romania Int. Business Club px, EE	444	06/08	CS
21505	1335	BSKSA, Riyadh, Saudi Arabia (pres). Px in Arabic	455	16/08	PP
21515	1100	R Exterior de Espana. Time pips and news, SS	354	25/07	SHo
21520	0854	VOIRI, Iran. Russia px, RR	343	05/08	PP
21540	1336	R Kuwait (pres). Px in Arabic	545	16/08	PP
21610	1556	R Exterior de Espana. Local mx, female singer, SS	454	08/08	SHo
21660	1504	BBC WS via Ascension. News, EE	333	05/08	DH
21660	1550	BBC WS via Ascension. Sport px, EE	243	08/08	SHo
21660	1648	BBC WS via Ascension. Property in London, EE	333	08/08	DH
21780	1337	Deutsche Welle, Germany (pres). Px in Hausa	444	16/08	PP
21780	1355	Deutsche Welle via UAE. OM with Hausa comm, ID at 1355	343	08/08	MLF
21790	0853	VOIRI, Iran. Music with OM in Swahili	444	05/08	PP

### **Digital**

<u>kHz</u>	UTC	Station, programme details, language, etc	dB/O	Date	<u>Init</u>
5940	1906	KBS World via Bulgaria. OM in GG	17/-	06/08	RT
7330	0514	R Romania Int, Galbeni. OM in FF. EE at 0530	18/-	15/08	RT
7435	0610	R Romania Int, Tiganesti. OM in GG	19/-	15/08	RT
9540	1810	R Romania Int, Galbeni. YL in GG	17/-	14/08	RT
9780	0750	R Exterior de Espana. YL in SS	21/-	13/08	RT
9800	2002	R Romania Int, Galbeni. YL in FF. EE at 2030	18/-	13/08	RT
11810	1705	R Romania Int, Tiganesti. YL with world news, EE	19/-	14/08	RT
13720	1145	R Exterior de Espana. YL in SS	19/-	13/08	RT
15120	1840	VO Nigeria, Abuja. "Allowed to continue", EE	22/-	06/08	RT
15585	1133	R Exterior de Espana. OM in SS	20/-	15/08	RT

Many thanks to all contributors for this month's healthy selection of logs, which come in a month that has seen an ever changing picture on the HF bands. In recent weeks the Voice of Russia has left SW, perhaps to come back in October. The Voice of America have almost completely pulled out of the bands, Radio Australia have all but ended specific international programming and Radio Exterior de Espana have announced the end of their SW years. More on all of this in "DX News".

Until next month, 73s and take care

Stephen



# **Alternative Airwaves**



with Axel Röse & Vick Haviland aaw@bdxc.org.uk

Freq	UTC	Station + details Da	te C	Contributor(s)
95.4	1512	Roots FM, London. Classic reggae, "Roots 95"	12-Aug	SH
95.5	1524	Ontop R, London. Discussion on women, parents	12-Aug	SH
96.1	1550	<b>S-Dance</b> , London. Deep house mx, IDs	12-Aug	SH
846	2214	R North/Gospel 846, Redcastle, Donegal, Ireland. Gospel mi	•	10-Aug DH
1350	2330	R AM One, Milano, Italy. One day test (ex 1386) mx, IDs.	21-Aug	DK
1386	2240	Energy Power, Dublin - cont. pops, Energy jingle.	10-Aug	AP
1512	2233	UNID - Dutch songs	10-Aug	AP
1592	2310	UNID - US talk px. Exact fq 1592.57 (var.). Also 1592.45 2220	10/8? 11-Aug	g AP
1611	2055	R. Calypso. Ann, popmx nonstop. DD	10 Jul	NS
1611	2110	R. Calypso. Ann, popmx nonstop. DD	10 Jul	NS
1620	2035	R. Vrolijke Milnwerker. ID, ann, Dutch mx. DD	25 Jul	NS
1620	2210	R. Calypso. Ann, popmx. DD	26 Jul	NS
1638	2024	Z. Scharia. ID, ann, popmx. DD	20 Jul	NS
1630	2044	Z. Vrolijke Mijnwerker. ID, Dutch mx. DD	14 Jul	NS
1630	2110	Z. Vrolijke Mijnwerker. ID, Dutch mx. DD	19 Jul	NS
1630	2032	Z. Vrolijke Mijnwerker. ID, Dutch + Polkamx. DD	27 Jul	NS
1630	2034	Z. Vrolijke Mijnwerker. ID, pop+German mx DD	04 Aug	NS
1637	1909	<b>R. Bluebird</b> - D, schlager, polka, greets, NE-NL, instr., -20.10	27-Jul	AR
1646	1946	R. Witte Tornado - D, schlager, country, polka, alpine folk, -20		AR
1646	2017	R. Mustang. ID, ann, Dutch+popmx. DD	07 Aug	NS
3905	2206	R. Alice. French language ID-jingle, popmx. French	26 Jul	NS
4026	2337	Laser International - old px frm 1 <sup>st</sup> June (ann 7450 AM)	23-Aug	AP
6193	2028	Sluw Vos R. ID-jingle+ann, popmx. EE	03 Aug	NS
6199	2044	R. Technische Man. ID, ann, instr-Dutch+Polkamx. DD	25 Jul	NS
6199	2108	R. Technische Man. ID, ann, popmx, utility, (!), QERM. DD, E		NS
6200	1025	R. Rona Lisa - E, D, jingles, schlager, pirate sx, greets, c/d 11.	•	AR
6200	2010	R. Technical Man – pops, rock, dance, EE; also hrd 25-Jul+01	-	
6205 6205	0753 0855	King Shortwave - E, oldies, italodisco, pop, jingles, rock, -09.2		AR AR
6205	2227	<b>King Shortwave</b> - E, oldies, jingles, -09.15 <b>R. Foxfire</b> - E, pop	17-Aug 9-Aug	AR
6205	6205	R. Tango Italia – usual non stop tango mx and IDs	9-Aug 8-Aug	RM
6210	1835	Shortwave Gold - E, pop, jingles, -20.35	27-Jul	AR
6210	1818	Shortwave Gold - E, pop, jingles, -20.35  Shortwave Gold - E, soul, pop, jingles, -21.35	3-Aug	AR
6210	2153	Shortwave Gold, E, rock music	5-Aug	DH
6210	1920	Shortwave Gold - E, soul, //2nd station?	9-Aug	AR
6214	1810	Free R. Bumbelstock - E, instrum., chat, polkas, -18.25	3-Aug	AR
6220	2007	<b>R. Tango Italia</b> – usual non stop tango mx; also hrd 30-Jul+01		
6220	1815	R. Tango Italia - E, S, tango music, -21.35	3-Aug	AR
6220	1946	R. Tango Italia – usual tango mx and IDs, big signal!, c/d 202		RM
6220	0903	R. Technical Man - E, pop, schlager, oldies, polka, greets, c/d	•	
6220	1901	Tip and Elvis Show – pops, rock, IDs, hellos, EE/DD	26-Jul	RM
6220	2028	Tip & Elvis Show. ID, ann, pop+rockmx. EE, DD	26 Jul	NS
6238	2023	R. Borderhunter. ID, jingle, pop+rockmx. EE	27 Jul	NS
6239	07132	Free R. Bumbelstock - E, schlager, wx report, rock, layer, -08	.20 27-Jul	AR
6239	0840	<b>R. Marabu</b> - G, rock, pop, -23.05	9-Aug	AR DK
6240	2012	Borderhunter R. – oldies, ID jingles, pop, NS mx, c/d 2118	27-Jul	AR RM
6240	1853	R. Joey, dance, pop, schlager, -20.00	3-Aug	AR
6240	2225	<b>R. Likedeeler</b> - E, rock, oldies, jingles, old Neede adr., -22.55	16-Aug	AR
6240	2047	Skyline R. Germany - G, rock, tape R. Nordsee, -21.22	16-Aug	AR
6240	2058	Sluwe Vos Radio – early 80s pop-rock, EE	11-Aug	RM

	0040		•	. –
6247	2218	R. Underground Int'l - E, greets, pop, fade out	9-Aug	AR
6253	2020	R. Pandora (UK) - E, utility QRM, jingles (Caroline), chat, -20.50	16-Aug	AR
6254	1700	R. Casanova - D, G, E, greets, schlager, jingles, c/d 19.37	3-Aug	AR DK
6255	1941	R. Telstar South (UK) - E, oldies, rock'n'roll, -19.51	9-Aug	AR
6260	0846	<b>R. Casanova</b> - D, greets, instrum., gone 08.53	17-Aug	AR
			•	
6260	1917	UNID non stop techno mx, off at 1957 check	16-Aug	RM
6265	1847	<b>R. Good Ship Venus (GSV)</b> - E, utility QRM, low audio, rock, pop		•
6265	1928	<b>Z. Digital</b> , rock, oldies, pop, -20.15	3-Aug	AR
6265	2224	Weekend Music R E, pop, oldies, rock, jingles, c/d 23.25	9-Aug	AR
6282	1854	Pony R. – Dutch mx and ID's, DD	16-Aug	RM
6285	0344	Focus Int'l - E, oldies, rock, pop, diverse DJs, -20.40	27-Jul	AR RM
6285	1125	Focus Int'l - E, oldies, rock, focus@live.co.uk, -21.35	3-Aug	AR DK
6285	11071	<b>R. Telstar (NL)</b> - D, schlager, jingles, greets, instrum., -11.46	17-Aug	AR
6286	2105	R. Focus Intl – 70s rock, EE, also hrd 2+3-Aug	1-Aug	RM
			•	
6289	1811	R. Rode Adelaar - D, greets, polka, oldies, schlager, jingles, -19.5	•	AR
6290	2053	R. Black Arrow. ID, Ann, Dutch+instr mx. EE, DD	19 Jul	NS
6290	2036	R. Foxfire. ID, ann, DD-ann, popmx. EE, DD	29 Jul	NS
6290	2232	<b>Crazy Wave R.</b> - G, E, pop, greets, rock, oldies, fade out 23.10	9-Aug	AR
6290	2055	Mustang R. – dance mx, hellos, EE	28-Jul	RM
6290	1941	Over The Horizon R. Satie piano pieces -2030, then varied, c/d 2	2.59 16-Aug	AR RM
6294	0837	R. Condor - E, D, dance, jingles, pop, hotline, greets, -09Jul	17-Aug	AR
6295	2004	The Bogusman – long talks and alternative mx, EE c/d 2108	2-Aug	RM
6295	1434	Reflections Europe. OM - religious talk, EE, SIO 444	27-Jul	JCa
6295	2153	R. Powerliner. ID, ann, Dutch+German mx. DD	26 Jul	NS
6296	2145	Cupid R E, pop, sstv picture, classic rock, c/d 22.11	9-Aug	AR DH
6297	2058	R. Cupid. ID, ann, rockmx. EE	9 Aug	NS
6300	2123	R. Akai (with R. Alice) - D, schlager, D-rock, -22.15	16-Aug	AR
6300	1751	R. Lowland - D, E, oldies, email, country, -18.03	3-Aug	AR
6300	1001	R. Rode Adelaar - D, polka, little audio test, greets, c/d 10.08	17-Aug	AR
6304	1808	R. Quintus - E, D, greets, oldies, rock, country, c/d 19.01	27-Jul	AR
6305	2138	Borderhunter R. – dance mx,pops,ID jingles,EE; also hrd 02-Aug	@2200 1-Aug	RM
6305	1945	R. Merlin Int'l - E, rave, pop, jingles, rock, oldies, -23.00	16-Aug	AR
6305	0906	R. Merlin Int'l - E, Caroline extracts & chat, -11.45	17-Aug	AR
6305	2102	R. Powerliner Int'l - D, dance, QSO, greets, oldies, pop, brass, -2	•	AR
6305	2020	Mustang R. ID, rockmx. DD	27 Jul	NS
6305	0950	R. Telstar (NL) - D, yodel, instrum., greets, c/d 09.58	27-Jul	AR
6305	2134	· · · · · · · · · · · · · · · · · · ·		
		R. Zara - E, D, rock, greets, schlager, oldies, -22.05	9-Aug	AR
6306	2016	R. New Wave Int'l - E, D, NE-NL, test, rock, pop, email, c/d 21.02	•	AR
6320	1700	Delta R. NL. ID. Oldies	8-Aug	DK
6322	2110	<b>Mustang R.</b> – dance & techno mx, IDs, EE/DD. Also hrd 15-Aug	1-Aug	RM
6322	2205	R. Black Bandit - D, E, oldies, greets, rock, country, -22.15	9-Aug	AR
6322	1829	<b>R. Lowland</b> - D, E, pop, greets, jingles, oldies, NL, c/d 19.27	3-Aug	AR
6322	1949	R. Mustang - E, D, dance, pop, email, c/d 20.02	9-Aug	AR RM
6324	2050	R. Underground Int'l - E, greets, Korean mx, schlager, polka, -21	.35 3-Aug	AR
6325	0958	R. Poema - E, G, D, italodisco, bye-bye, c/d 10.02	27-Jul	AR
6328	2053	R. Zodiac. ID, ann. Popmx. DD	09 Aug	NS
6375	1930	R. Pandora (UK) - E, jingles, email	16-Aug	AR
6399	2003	<b>R. Norton</b> - E, instrum., c/d 20.05	9-Aug	AR
6404	1901	R. Good Ship Venus (GSV) - E, oldies, jingles, pop, instrum., -21	•	AR
		• • • • • • • • • • • • • • • • • • • •	•	
6422	1853	R. Dutchwing - E, rock, country, pop, -19.30	16-Aug	AR
6725	1210	R Tower. NL. Cont DD, GG mx. ID EE	3-Aug	DK
6725	1833	<b>R. Tower</b> - E, D, schlager, oldies, email, //1620, -22.15	16-Aug	AR
6746	2008	R. Pioneer - E, dance, folk, polka, pop, rock, jingles, -21.30	9-Aug	AR
6770	2308	<b>Old Time Vintage R</b> . – Vitalis adv., Burns and Allen px, fair, -2341	•	RAD*
6802	1819	Pink Panther R E, D, oldies, pop, jingles, old commercials, -21.2		AR
6949	2031	<b>R. Blackbeard</b> - E, dance, pop, chat/ topics in online chat, -21.30	9-Aug	AR
6965	2056	Little Feat R E, soul, greets, jingles, rock, pop, c/d 21.25	9-Aug	AR
6978	1850	Rock R. Network, nonstop oldies, -21.35	3-Aug	AR
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Pirate radio station scuppered as plug pulled An OAP cancer survivor has been prosecuted for setting up a radio station to support fellow sufferers. Brian Barfoot, 70, of St David's Way, Wickford, appeared at Basildon Magistrates Court last Friday, 8 August, to admit broadcasting from a pirate radio station. He insisted he had only created the station to offer advice and support for men with cancer, claiming there was a bias in the media towards women's charities. He said complicated registration processes had deterred him from seeking a radio licence. He pleaded guilty to one charge of establishing or using a wireless telegraphy station without a licence and one charge of being in charge of a premises and knowingly failing to prevent its use for unlawful broadcasting. He ran the station – named in court documents as Monster House Radio – from a unit in Russell Court, Wickford. He was ordered to pay £250 in fines, £500 in prosecution costs and a £20 victim surcharge. Speaking after his court appearance, he told how he had been 'raided' over the offences and had all his equipment seized. He said: "Heavy-handed isn't the word". Magistrates ordered all his radio equipment be forfeited and destroyed as part of his punishment. Mr Barfoot said: "It's an absolutely, 100 per cent stupid prosecution. There are pirate radio stations out there that have been going on for 10 or 11 years, but they pick on me? Come on. There is no way any small, self-sufficient radio station can apply for a licence. You have to fill out about 67 pages of forms." Speaking of his decision to set up the station, he said: "There is nothing out there that helps the male species who have cancer. I was giving awareness. That was what it was for." (Yellow Advertiser 14 August via MET)

**Monster House Radio** is listed as 88.3 and transmitting to Essex and the Medway. They play house music. Amongst various photos of house music DJ's and plugs for programmes on their Facebook page there is a Cancer Research UK banner. (MWB)

**Pirate Radio Museum, Clacton-on-Sea** – we paid a visit to Ray Anderson's new venture next to the pier in Clacton on the way back from visiting the Radio Mi Amigo RSL aboard the LV18 in Harwich. It is sited in the Atlanta Building, a short walk from where we had parked for free on the promenade. First impression on entering, was that of a pop-up remainder shop you find on many High Streets, though this one was selling lots of offshore radio memorabilia: DVDs, T Shirts, sweat shirts, CDs, books, even videos, cassettes and old vinyl records! Plus merchandise



bearing the Pirate Radio Museum logo. Unlike a remainder shop though, none of it was cheap. This part of the building is free to enter, as it's really a shop selling some of EAP's products which are also found online at radiofab.com. So very little in the way of Museum exhibits yet. The best part of the Museum is the audiovisual display "Anarchy on the Airwaves" which costs £5 to see for adults. You walk through the display, station by station, which tells the story of most of the British offshore stations, from Radio Caroline and Atlanta in 1964, through to Caroline in the 80s and Laser 558, told mainly in large historic photos of ships, DJs etc. There is also a small screen where you can watch about 5 minutes of historic film on each station. We did have to

keep turning the volume up (and down on adjacent screens) to listen interference free though – headphones would have been better than the TV speakers. I thought the display was quite well done though as a general history of UK offshore radio, and we spent an enjoyable three quarters of an hour wandering through it and had it to ourselves on a Monday morning. Dominating the Museum is a bright yellow 60s style submarine (perhaps part of a fairground ride?) the purpose of which eluded me. And I did buy something in the shop – a copy of Chris Elliot's book, The Wonderful Radio London Story, which I'd wanted for ages. (It was full price at £24.99 but I saved on postage by buying there!) (AP)

Pirate Radio Museum, 1<sup>st</sup> Floor, Atlanta Building, Clacton-on- Sea CO15 1QX (next to the pier) Admission to 'Anarchy on the Airwaves' Audio Visual exhibition: £5 (adults). Opening hours 1000-1700 daily (summer). Check website for winter opening: <a href="www.pirateradiomuseum.com">www.pirateradiomuseum.com</a>

Radio Caroline Southampton Support group meeting Roland Beaney writes: Early news of the next Radio Caroline Southampton Support group meeting that will take place on Wednesday 24 September from 7pm at the usual venue the Netley Victoria club near Southampton, SO31 5DG. Meet special quests, broadcasters and staff from the station and hear news of the work on board the Ross Revenge. This time we will be celebrating another year of Peter Smith's sponsorship of the 60s and 70s show broadcast on Tuesday nights. So come along and meet Barry James, Clive Garrard and the sponsor of the show Peter Smith. Buy your gifts from the Caroline sales stand that Albert and Georgina Hood will be setting up. You are welcome to join us for a £5 donation which includes a buffet and all proceeds from the evening go towards the costs of restoration work on board the Ross Revenge.

There is accommodation available in the area if you want to stay the night. Recommended accommodation within walking distance of the club at The Prince Consort pub (MET)

Laser Hot Hits "The shortwave transmitter on 4015kHz has been off the air for most of this month [July]. This is due to circumstances beyond our control and frustratingly happened around the time the reduced power fault was fixed. We shall try to return to the 76m band just as soon as possible. In the meantime our Internet streams continue 24 hours a day and we can still be heard around 6950kHz at various times but most likely on Sundays. There may be some tests on 48m too so please keep tuning around." (http://www.laserhothits.co.uk/ 24 July) Laser noted back on shortwave, but on 4026 kHz, on 23 August, and still on 4026 today. They did move to 4015 originally because of utility interference on 4026, though seems clear at present. (AP 26 Aug)

### Radio Veronica and RNI remembered - Dutch special event amateur station PD538RNI

On 31 August, it will be 40 years since the Dutch offshore radio stations stopped transmissions due to changes in legislation. Many fans still mourn the loss of their beloved stations in 1974. Arie PD0ARI (amateur radio operator) from Giessenburg, Netherlands will be operating Special Event Station PD538RNI from 28 August until 19 September. He will be active on 10m, 20m and 40 m. All operations will be in Phone. 538 in the callsign stands for the last frequency the offshore radio station Veronica used, and RNI stands for Radio Northsea International, the name of the other station that had to stop 40 years ago. Both stations closed down in the evening of 31 August 1974. (http://www.southgatearc.org via MET

Radios Seagull and Waddenzee offshore From 20-31 August, Radio Seagull and Radio Waddenzee are broadcasting live from the radio ship LV Jenni Baynton anchored off the Dutch coast of Harlingen on 1602 kHz as well as online at radioseagull.com. Radio Waddenzee in Dutch is on air daytime from 0500-1700 UTC with Radio Seagull's English service overnight from 1700-0500 UTC. Andy Sennitt writes that "During the live broadcasts, the web feed is using the mediumwave signal, thus giving you the feel of listening on mediumwave wherever you are. I'll be on board for the whole of next week, and really looking forward to it. Normally our radio ship is anchored in the harbour at Harlingen, in Friesland. But every so often, we go out to sea to promote the station and make a small amount of money by offering visitors the chance to come



and visit the ship. The 31st August 2014 is the 40th anniversary of the closure of RNI and Radio Veronica when the Dutch passed their own Marine Offences Act. The British equivalent had already been in force since 14 August 1967. But Radio Veronica was soon back on the air, landbased and licensed. On board the Jenni Baynton are several mediumwave transmitters, but we are only licensed to broadcast on 1602 kHz. The whole station is run by people who love radio and rock music :-)" (Andy Sennitt on Facebook via MET)

Martin van der Ven has uploaded 299 photos and 7 videos taken on Saturday (23 August) of Radio Seagull and Radio Waddenzee

broadcasting offshore from the Jenni Baynton to Flickr, at this link:

https://www.flickr.com/photos/offshoreradio/sets/72157646796008771/ (MWB on Facebook)

Radio Caroline ship drops anchor in the River Blackwater "An iconic pirate pop radio ship has dropped anchor in the River Blackwater for the first time since the mid-1990s, with plans to take over the airwaves. Radio Caroline, the world's most famous pirate radio station, which is housed on the ship MV Ross Revenge, has docked just off the shore of Bradwell after leaving its home of 10 years in Tilbury docks last Thursday (31 July).

The station altered the face of pop music by challenging the established radio format in the 1960s, 70s and 80s by playing 24 hours of pop music a day, and tracks that other radio stations wouldn't. Now the team is back on the Blackwater for the first time since 1993, and plan to use a temporary 28-day radio licence to give Maldon and the Dengie a taste of the famous station whilst they apply for an AM licence to operate permanently. Manager of the Ross Revenge Peter Moore, 67, who lives in Maldon and who has been involved with Radio Caroline since 1976, said: "It's nice to be back at Bradwell on the Essex coast again. We've had a lot of support from the local community and we hope to get more involved. It was a hard old slog to get the boat here and we're glad to be back – we've had a great reaction so far from the local community." " (http://www.essexchronicle.co.uk/Pirate-station-Radio-Caroline-drops-anchor-River/story-22121919-detail/story.html via MET)



Above, view of the Ross Revenge with its new mast, anchored in the River Blackwater.

The ship can be seen in the far distance from Bradwell Marina, at Bradwell Waterside, Bradwell-on-Sea. It is quite a walk from the visitors car park to the shore and not really worth the effort of going to Bradwell as the ship is really only a speck in the distance. Access and visibility might be better from St Lawrence's Bay just west of Bradwell, but I would advise waiting as boat trips out to visit the Ross are being planned, as is an RSL broadcast next Easter. (DK - visit on 18 August)

FCC upholds \$15,000 pirate radio fine The FCC has upheld a \$15,000 fine for Walter and M. Rae Nadler-Olenick for operating a pirate station in Austin, Texas. They had appealed against the penalty, but the appeal was rejected. The Olenicks operated an unlicensed station on 90.1 MHz, according to the bureau. In 2013, agents traced the signal to their apartment building and found an antenna mounted on an approximately 50-foot tower attached to the building. A coaxial cable ran from the antenna to a utility room, according to the agency. (Radio World via MET)

### LOGBOOK / QSL / NEWS CONTRIBUTORS

AJT AM AP ap ARo AR CB	Adam Toynton Arthur Miller Alan Pennington Alan Pennington Alan Roe Axel Röse Chrissy Brand	Torquay, Devon Llandrindod Wells, Powys Caversham, Berkshire Longton, Lancs Teddington, Middx Neuss, Germany Salford, Gtr Manchester	DX 394, Yaesu FRG100, homemade loops, DX10 vertical JRC NRD 525, NRD 545, G5RV 40m long wire. AOR 7030+ / LW, Beverage, ALA1530, / Sony 7600GR Sony 7600GR + homebrew MW loop Winradio G31DDC Excalibur / 17m long wire Lowe HF-150 & Loop Antenna AOR LA-320 Sony ICF 7600D, Sony ICFSW100E, Degen active loop
CRS	Chris Stacey	Eastbourne, East Sussex	ICFSW7600G / internal ferrite & telescopic whip
CS	Christopher Shorten	Norwich, Norfolk	Eton Satellit 750, 10m long wire
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DK	Dave Kenny		R 7030+/Wellbrook ALA1530, 90m bev, LW, Sony XDR F1HD
ES	Edwin Southwell	Basingstoke, Hants	Drake R8A, 50m longwire
GB	Giampiero Bernardini	Milan, Italy	Drake R7 + Perseus; antenna: T2FD 15m
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KOD	Kevin O'Daly	Rickmansworth, Herts	Sony ICF SW 7600 GR + telescope & 2m wire Sony 2001D, 50ft longwire
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NRe	Nigel Reid	Enfield. Middlesex	Eton Satellit 750, indoor long wire
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PP	Paul Price	Cardigan, Ceredigion	FRG7000, Sony ICF2001D & DX934, Iw
RC	Russ Cummings	North Ferriby, East Yorks	AOR 7030+, 60 ft long wire
RAD*	Richard A. D'Angelo	•	ec RX340, Drake R8B, Eton E1/E5, Alpha DX Sloper/RF sys mini
RM*			, G3, RP6901PLL; indoor wire+MFJ-956 tuner, Tecsun AN-200 loop
RP*	Rumen Pankov	Sofia, Bulgaria	Sony ICF2001D & VEF201, Ant Folded Marconi 16m
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SHo	Simon Hockenhull		dig Sat 700, YB 400, ferrite rods, AKD Target HF3+4m LW
TB	Tim Bucknall	Congleton, Cheshire	RDR54D1. CLP5130, Icom ICR9500, CLP5130 VHF/UHF V+H
WB	Wolfgang Büschel	Stuttgart, Germany	Perseus, AOR AR7030 and PC/Dream software

<sup>\*</sup> in HFL denotes HF log from outside Europe (in MWL denotes MW log from outside UK)

# NEXT CONTRIBUTION DEADLINE: WEDNESDAY 24th SEPTEMBER 2014

Please send all postal contributions to: BRITISH DX CLUB, Apartment 827 Abito, 85 Greengate, SALFORD, M3 7NE

E-mail contributions can be sent to editor@bdxc.org.uk or directly to the section editors The email contribution deadline is Friday 26<sup>th</sup> but please send earlier if possible.

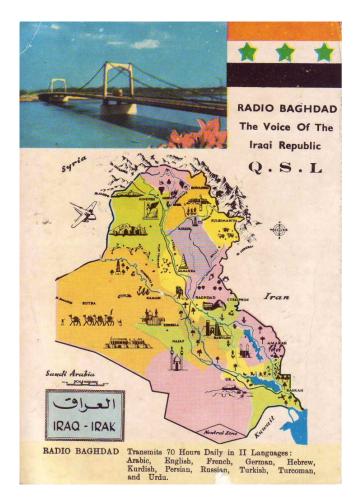
### **BDXC E-Mail Groups on Yahoo!**

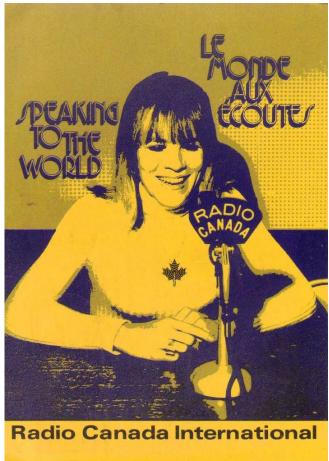
The club operates two e-mail services on Yahoo which all members are invited to join:

BDXC-News - primarily for radio news and club announcements BDXC-TC - "Total Chat" for informal chat and discussion about the hobby

To join either or both groups simply send a blank e-mail to:

bdxc-news-subscribe@yahoogroups.com / bdxc-tc-subscribe@yahoogroups.com Once subscribed you can opt to receive either individual messages or a daily digest of messages







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