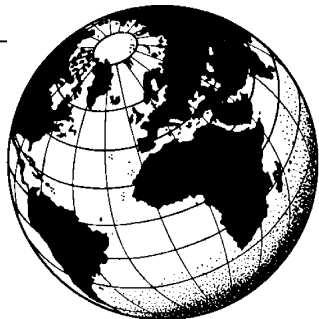


# MEDIUM WAVE NEWS

MEDIUM WAVE CIRCLE

November 2010 Volume 56 No. 06



- ♣ *WRTH 2011 offer*
- ♣ *Excalibur reviewed*
- ♣ *Brixton Prison Radio*
- ♣ *The hoop loop*
- ♣ *The radio collector*
- ♣ *NRC AM Radio Log*
- ♣ *Dutch pirate bandscan*

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## STOP PRESS:

Welcome to new members this month...

Welcome to the Circle!

## LATE NEWS

Stop Press Deadlines: 30<sup>th</sup> November for December 2010 2<sup>nd</sup> January for January 2011

Cover illustration: Radio Sweden leaves MW 1179kHz

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# EDITORIAL

with Steve Whitt

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This month we are well into the MW DX season in the northern hemisphere and this is reflected in the expanding DX Logs column. Please keep your contributions coming in. If you've never contributed before yours will always be welcome.

## Volunteers

I've mentioned it before but I make no excuse for repeating myself. The Circle will only thrive with the maximum amount of support from each & every member. Unfortunately many of the jobs at the Circle are filled by the same "usual suspects" so I'm saddened that John Williams could not find a volunteer to cover the production of Home Front for one month whilst he's away in November.

John will need some help in February 2011 so if you think you can help please contact him or me.

## WRTH 2011

As usual we will be teaming up with our friends at the British DX club to make a bulk order for WRTH 2011 at the end of November. So in this issue of MWN you'll find more information about the latest edition of the World Radio TV Handbook. On the back cover you will also find an order form.

The publisher has increased the cover price this year and postage has also increased but UK members can still save £6.45 (inc postage) on the cover price.

**Don't delay – orders need to be received before 22nd November 2010.**

*Thanks to Alan Pennington at BDXC.*

## NRC AM Radio Log, 31st Edition

The National Radio Club of the USA has published the 31<sup>st</sup> edition of the NRC AM Radio Log, updated for the 2010-11 DX Season. This is the definitive listing of MW/AM stations for the MW listener and DXer. The 31st edition of the Log will contain approximately 290 pages of data and 18 pages of instructions in 8-1/2" x 11" size, 3-hole punched, U.S. loose leaf format. This publication fits nicely into a 1" three-ring binder. Nearly 8000 updates since last year's 30th Edition of the log! Additional reference lists include call letters of FM simulcasts, listings of regional groups of stations in the groups section (separate section of the log book) and a cross reference of those stations that are licensed to use IBOC (In Band On Channel) digital audio.

Price: To the United States, \$19.95 to members, \$25.95 to non-members; to Canada, \$24 to members, \$33.50 to non-members; add \$3.50 for Priority Mail. Airmail to all outside US/Canada: \$34.00. Payment in U.S. funds only!

Order from: NRC Publications, P.O. Box 473251, Aurora CO 80047-3251 or you can order online: <http://www.nrcdxas.org/catalog/books/index1.html>

## Sweden vacates medium wave 30/10/10

The final English programme yesterday on 1179 should have been 2130-2200 UTC as per their schedule but they carried Swedish P1 instead. The final English broadcast on MW and SW is now online.

11 minutes in there is an interview with the channel manager on the reasons for the change. George Wood then looks back at seven decades of Radio Sweden with historic audio clips, including some of the Saturday Show, it's now in their 30 day archive: <http://sverigesradio.se/rs/english/>

There's a 14 minute Swedish film on the construction and opening of the 1179 Solvesborg transmitter on YouTube.

Part One: <http://www.youtube.com/watch?v=sTckNgoVens>

Part Two: <http://www.youtube.com/watch?v=qC6awJRg9TI>

A local newsreport, and maybe a good reason to start reading Swedish, or autotranslators like Google... (via *Hermod Pedersen*)

<http://www.sydsvenskan.se/sverige/article1282280/Helgsmal-sist-ut-fran-Horbymasten.html>

Conclusion in article by local station manager: "There might be a buyer, or it will all be dismantled and sold as scrap."

## Richard Hillier

Many members will have been in contact with Richard if they ever got an AOR receiver – particularly the AOR 7030. As you may recall we reported that AOR-UK ceased to operate a little while back. Well Richard has been in touch and updates us, “Just to update you... AOR UK closed at the end of June 2010 with distribution (AOR & TenTec) and support transferring to W&S. With the credit crunch, poor exchange rates and products appearing late to market, it became clear that there was insufficient business to sustain the AOR UK operation indefinitely. Mark Sumner and John Thorpe still hope to get the AR7070 shortwave receiver to market, but not as an AOR product.

I have been with Radixon (WiNRADiO) since the end of August 2010. A new UK office has been set-up so that I can travel from my home in Chesterfield without relocating.

Feel free to contact me for product information, sales and support of WiNRADiO products. The Excalibur G31DDC has received some great reviews and the Excalibur-Pro G33DDC is set to launch over the next few months (with switchable preselector, preamp and 4MHz bandwidth DDC). Best wishes. Richard Hillier (G4NAD),”

Richard can be reached at Richard Hillier, Radixon UK Ltd. Millhouse Business Centre, Station Road, Castle Donington, East Midlands DE74 2NJ UK. T +44 870 446 0449 F +44 870 446 0459. we all know that Richard is really helpful but sadly he's no longer in a position to offer support for the AOR receivers.

*(I'm not sure that 0870 premium rate phone numbers can be dialled from outside the UK – Editor)*

Thanks to Ian Bateman at RA Dixon for putting me back in touch with Richard.

This month I'm really pleased that we have a thorough user review of the new WiNRADIO Excalibur receiver courtesy of member Jack Weber.

Now on with the show.

73s Steve

# BRIXTON PRISON RADIO

courtesy of the Guardian

*Brixton prison radio 'a Daily Mail story waiting to happen', says governor. Notorious inmates kept off Brixton prison's award-winning radio station, governor tells conference also addressed by prisoner*

The prison governor behind the taxpayer-funded, Sony award-winning Electric Radio Brixton has admitted the project is a "Daily Mail story waiting to happen".

Paul McDowell, the governor of HMP Brixton, said certain inmates had been barred from the airwaves to protect the project from attack from the Daily Mail.

The Brixton radio project is expected to be replicated in other prisons across the UK.

McDowell said he would never let notorious prisoners such as Charles Bronson, Ian Huntley or Rose West take to the airwaves.



He is one of the driving forces behind the prison radio station that won two gold prizes at this year's Sony Radio Academy Awards last month.

← *Brixton Prison governor Paul McDowell takes to the air.*

McDowell was joined on stage at the Radio

Festival in Nottingham today by one of the station's star presenters, identified only as Tis, who was jailed for four years for a drugs-related offence and is now serving out his sentence at another prison.

"My primary role is to protect it from attacks from the likes of the Daily Mail," McDowell said.

"I am a prison governor and half of my life is spent managing the politics of prisoners. One of the things I am not going to do is put Ian Huntley on a radio station to deliver a programme every week. That is opening us up [to attack] and if we get criticised for that then we might end up losing the whole thing."

McDowell said he made "very careful choices" about the prisoners who were allowed on air at the Brixton station. He added: "This is a Daily Mail story that is waiting to happen."

McDowell defended the user of taxpayers' money to fund prison radio, saying its broadcasts encouraged takeup of prison education and rehabilitation schemes across the board, and not just in radio.

"We have to make a choice – do we chuck people in a prison that does nothing with them, offers them no support, and makes no effort to rehabilitate them? If that's what we want, then that's fine, don't have radio stations, don't have educational departments, just keep churning out people who commit more crime," he told the Radio Festival.

"We don't let them have too much fun. They produce programmes that are interesting and educational and get information to their peer group about all the different resettlement programmes in prison. It leads individuals to think about changing their lives, and in the end that helps reduce crime.

"It's not about getting people jobs in radio. There are a small number of people in the radio station talking to 800 prisoners. We want to encourage them to think more positively about their future, and encourage them to change their lives."

McDowell admitted that some prison officers were against the idea. "Yeah, there are some, there is a small number who are against it, but there are people who are against a lot of different ideas. There are some people in society who would be against even the idea of an education centre in prison," he said.

Tis, who won a Sony bronze award for his interview with Jonathan Aitken, the former Tory MP who served seven months of an 18-month sentence for a "calculated perjury" during a libel trial against the Guardian, began working for the station last year.

He was previously involved in music production but it was the first time he had worked in radio. He revealed he had since been sent a letter by Aitken congratulating him on his award.

"Everyone in prison wants to aspire to be better, but they don't know what steps to take. That's the important part – to give them encouragement, advice, and tell them what steps they need to take. Every prisoner wants to better themselves," he said.

"I thought getting some kind of qualification would really benefit me. I coincidentally ended up in Brixton prison so I took advantage of that. I improved my vocabulary and was around some very influential people. They offered me support, I improved my communications skills, and my confidence went up.

"My future is a lot brighter than when I first came to prison and that is a lot to do with Brixton prison radio. The night I got arrested I could never have predicted meeting the people that I have at Brixton and winning an award. It's a lot of hard work."

*Footnote: For our members outside the UK who might not understand the references to the Daily Mail, this is a British daily newspaper with a reputation for carrying stories (with varying degrees of accuracy) designed to stimulate an outraged reaction from its conservative middle class readership. This story might be spun as "Notorious prisoners enjoying themselves at the taxpayers expense".*

# THE HOOP LOOP

edited by Nick Hall-Patch

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A few months back, on the UltralightDX Yahoo group, Jim Kearman described what he called “the Hoop Loop”, an external loop antenna to be used with a Tecsun PL-380, although other radios that contain the Si4734 DSP radio chip may also be used. The loop antenna in the radio is replaced with a matching transformer that is tuned by the radio’s internal varactor, and a transmission line connects the antenna with the matching transformer. Interestingly, use of such a hoop for the frame of a tuned loop antenna was mentioned some years ago in Joe Carr’s Receiving Antenna Handbook, the “Embroiderloop”. Steve Ratzlaff has built the Hoop Loop also, and has provided us more details about construction and results.

## KR1S Hoop Loop Ultralight Radio Antenna

by Jim Kearman, KR1S

### Construction

The KR1S Hoop Loop antenna is built on a 23-inch quilting hoop, purchased at Jo-Ann Fabrics. The base is seven inches in diameter and is sold as the mounting plate for clocks. It already had a hole drilled in it, and after putting three thick rubber feet on the bottom, the feedline could go through the hole and underneath. I ran two wood screws up through the base into the outer hoop clamp. Having a turntable made it possible to solidly mount the hoop to the base. The antenna has three turns of #24 magnet



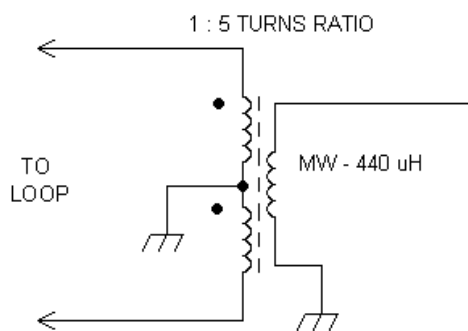
wire. The radio antenna is replaced with a matching transformer. This transformer operates in a way that wasn't apparent to me until someone more knowledgeable explained it.

To provide a terminal for the loop windings, I used a piece of 1/16" (0.031-inch) pc board the width of the hoop, with a gap sliced in the copper laminate in between the two ends. I bored holes through the board and the hoop at the same time and glued the board in place after warping it to match the curvature of the inner hoop. Then I ran the wires through the holes and soldered them to the board, where I also soldered the feed line.

The antenna doesn't have to have three turns, or be any particular size. Keeping the antenna inductance below 20  $\mu\text{H}$  reduces the number of turns required and presents a relatively low impedance to the transmission line from the loop to the matching transformer. The transmission line is small-gauge speaker wire. I was initially using a 12-foot length with no problems, but that was longer than I needed so I used an eight-foot length for the final version.

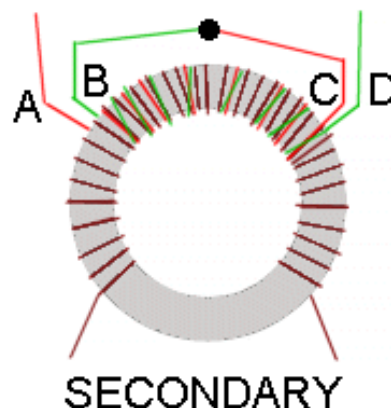
The low number of turns on the loop also allows for a transformer turns ratio commensurate with good coupling. A difference of one turn on a three-turn antenna has a huge effect on inductance. If you use a different size hoop or another loop configuration, you'll have to calculate the number of turns needed to keep the loop inductance in the range of 10-20  $\mu\text{H}$ , assuming a turns ratio of 1 : 5.

The drawing shows a schematic of the matching transformer. The primary is a center-tapped bifilar winding, with total reactance closely matching the loop's reactance. I say "closely matching" because the primary winding must have an even number of turns. I got this idea from one of the co-inventors of the SiLabs Si4734 DSP chip, the same "knowledgeable source" mentioned above. As he explained it, using a bifilar winding with grounded center tap, common-mode signals see one-quarter of the primary inductance. Reducing common-mode pickup leads to deeper nulls, especially on stronger local stations.



This drawing shows how the

transformer is wound. I used different colors for clarity, but of course you can use the same color magnet wire for all windings; you'll only have to sort out the bifilar primary windings with an ohmmeter. Twist the bifilar primary wires lightly together. Two turns per inch is good enough. After winding, B and C are connected together and to the ground side of the secondary (connection not shown). A and D are the antenna terminals.



This modification removes the internal antenna. A 1/8" mono headphone jack is installed on the side of the radio where the wrist strap formerly attached. The core nicely fits into the space between the end of the internal antenna and the side of the case. If you install the transformer outside the radio, you can use a shorting-type monaural jack to select the internal antenna when the external antenna is disconnected. Then, however, the leads connecting the transformer to the circuit board will be slightly longer, adding stray capacitance. If the transformer is mounted right on the plug, the system should still resonate across the band.

Using a Hoop Loop with four turns instead of three will raise its reactance and require more turns on the transformer primary, which could improve signal strengths, but my sense is that any improvement would be slight. If longwave is your primary interest, it's worth trying.

### Theory

The matching transformer steps up the inductance or impedance of the antenna. The transformation ratio of the transformer is the square of the turns ratio. If the turns ratio is 1 : 5, the transformation ratio is 1 : 25. A 16- $\mu$ H antenna is therefore transformed to 400  $\mu$ H at the secondary. This inductance appears in parallel with the transformer secondary inductance, and that parallel inductance is what the radio tries to tune. Therefore, that parallel inductance should be within the range of 180-450  $\mu$ H for a Tecsun DSP radio. For medium-wave reception, higher inductance is not helpful, and about 250  $\mu$ H would be good. You calculate the total inductance of two inductors in parallel by dividing the product of their inductances by the sum. It turns out that a transformer secondary inductance of 440  $\mu$ H, a 1 : 5 turns ratio and a 16- $\mu$ H antenna presents an inductance of 210  $\mu$ H to the radio.

The transformed inductance is tuned by a varactor on the radio integrated circuit. The antenna impedance is transformed up by the primary-to-secondary turns ratio, so the chip sees the combination of transformer and antenna as a tuned antenna system.



### Hoop Loop -- The Movie

Chris Knight, N0IJK posted a YouTube video of his hoop loop in action:  
<http://www.youtube.com/watch?v=NG3m7aoKp98>.

### Puttin' On The Litz

If you're blue, and you don't know where to go to

Why don't you go where signals flits? Puttin' on the Litz

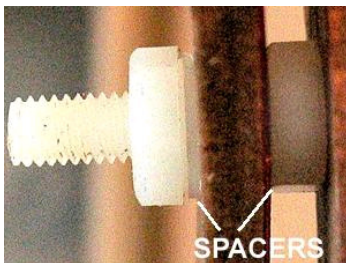
I came into a short piece of 165/46 Litz wire and replaced the three turns of #24 magnet wire on the hoop. Before-and-after checks on 530, 1000 and 1700 kHz showed no difference in signal strength with the Litz. Magnet wire should be fine for the Hoop Loop. Toroids and short pieces of magnet wire are available from <http://kitsandparts.com>.

### The Hoop Loop on LW

The Hoop Loop has done well on LW (150-500 kHz) using a 2700- to 3500- $\mu$ H secondary on the matching transformer. You'll need a large -61 core; I recommend an FT140-61 wound with 28-gauge magnet wire. A Hoop Loop with more turns may pay off on LW. The radio needs to see a combined inductance of 2000  $\mu$ H or more. Obtaining that parallel combination with a reasonable coil means using a much higher turns ratio, to transform the antenna inductance to around 6400  $\mu$ H. A 1 : 20 ratio will work with a 16- $\mu$ H antenna, but a lower ratio (more turns on the primary) would have less loss. I made a 2650- $\mu$ H coil on an FT114-61 core. In the first two nights of listening I logged 10 countries, and nine European and African LW broadcast stations! The 1.14-inch core is too small unless you use very thin wire, but it's the largest I had. Use a 1.40-inch core (FT140-61). The combined inductance is about 1850  $\mu$ H, which is a little low. A 3375- $\mu$ H inductance (150 turns, FT140-61) with 4 bifilar turns on the primary will work. An antenna inductance of about 135  $\mu$ H would allow for a better turns ratio (1 : 5, as for the medium-wave transformer) with the same secondary inductance.

### The Hoop Loop Goes Sideways

Sometimes, tilting a loop antenna will make nulls even deeper and sharper. After some consideration, I came upon a page at <http://www.radiointel.com/anthooploop.htm>, that gave me the answer. The author also used a 23-inch hoop, but made a loop that resonates with 365 pF. I cut the top half off the outer hoop, and added



some weight to the bottom of the base to make the Hoop Loop more stable. As part of

the winding is now exposed, a coat of polyurethane will hold the wires in place. A quick daylight test showed I could null



a local on 1230 kHz 17 dB deeper by turning and tilting the loop than by turning alone. I've thought about gluing a piece of 1/4" plastic rod through the outer hoop, so I could use a vernier drive to adjust the tilt; it's that sharp.

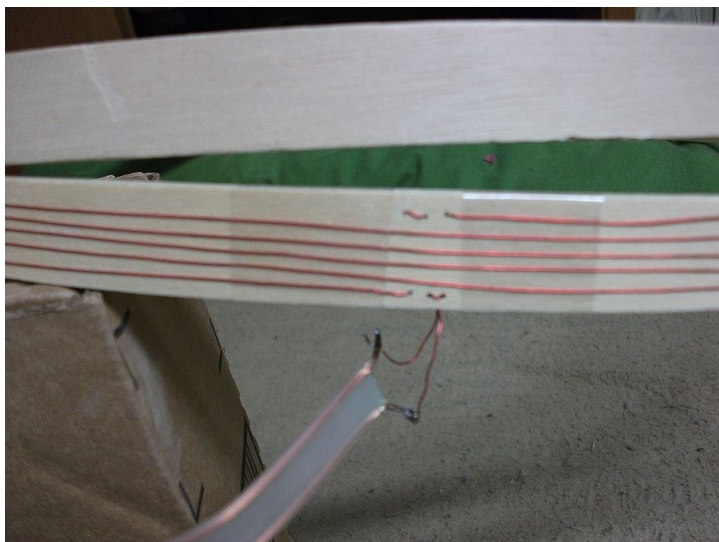
I used 10-32 Nylon machine screws, nuts and washers. The washers are positioned as shown in this photo. With the spacers located as shown, you can tighten the nuts so the loop tilts smoothly and easily, but doesn't droop when you let go.

(ed. note: the above is from Jim's original web article published at <http://kr1s.kearman.com/html/hooploop.html> with some additions from submissions he made to the Ultralight group, and is used with the author's permission)

## The Hoop Loop by Steve Ratzlaff

I just had to try the hoop loop implementation, and I have finally done it, and it's working just fine. I mainly wanted to verify to myself that the calculations really do work, when the hoop loop is transformed up and placed in parallel with the main transformer winding, and of course it does. But it's still fun to actually calculate what's needed and build it and measure the various inductances and try the final hookup. I'm not a MW DXer but more of a tech type just messing around with this Ultralight Radio stuff.

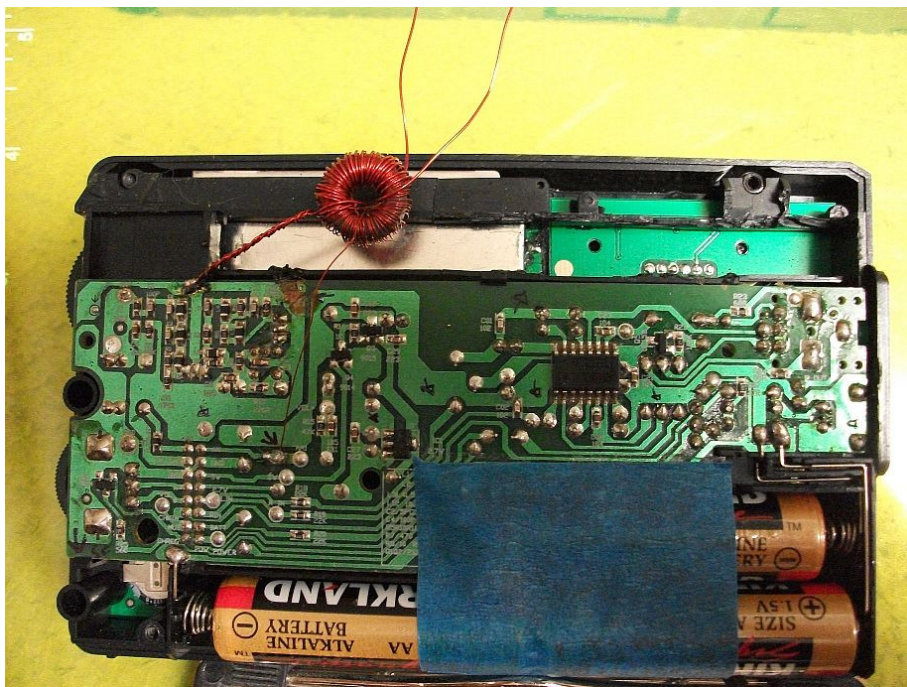
The closest Jo-Ann Fabric store is 70 miles away in Walla Walla, WA, so I ordered two 23" quilting hoops online. I wound 5 spaced turns of #28 wire, which measured 43  $\mu\text{H}$  using the aade.com LC meter. The photo below shows the winding detail of my Hoop Loop. I drilled two small holes at start and finish; these hold the wires well enough, with a bit of tape on both sides. I have taped a number of places around the hoop too. The turns tend to be displaced somewhat as the outer hoop is placed over the inner hoop, but generally stay separated. I used a length of TV 300 ohm twin lead to connect the loop to the transformer and radio.



For the receiver, I used my PL 380 that had already had its stock loopstick removed and more of the plastic framework removed, so the radio was all ready for more experiments. To figure out how many turns would be needed for my secondary winding (the one connected to the radio), I used the handy inductance calculator software that can be downloaded at [http://www.dl5swb.de/html/mini\\_ring\\_core\\_calculator.htm](http://www.dl5swb.de/html/mini_ring_core_calculator.htm). Following Scott Willingham's recommendation of 500  $\mu\text{H}$  to start with, the calculator showed 85 turns of #32 wire on an FT50-61 toroid would work. The length calculator was a little short for the amount of wire needed, but I'd added 8" extra. That was fortunate, since I only had 2" of pigtailed left after winding 85 turns (using a homemade wooden bobbin). Maybe my particular core was a little fatter than the nominal diameter used in the program. That 85 turns measured 516  $\mu\text{H}$ --not bad for a nominal  $\pm 20\%$  core permeability variation for ferrite cores.

Trying various turns ratios and resultant parallel inductance gave 24 turns for a nominal 539  $\mu\text{H}$  for my 43  $\mu\text{H}$  loop, for a parallel inductance of 259  $\mu\text{H}$ --that seemed to be the magic combination

that should be sure to resonate over the whole MW band with the SiLabs chip in the PL380. Winding a 12 turn bifilar winding on the core and connecting it to the loop, then measuring the actual inductance gave 276  $\mu\text{H}$ . Close enough, and it should work with the radio.



I installed the transformer in the PL 380, sitting in the space the original loopstick was, with short leads to the PCB. The primary's bifilar center-tap and the secondary ground lead were lightly twisted together and soldered to the same ground spot (note that this is "RF ground", the area marked "RF Gnd" on the printed circuit board, and is not the same as the headphone ground). The picture shows the MW Hoop Loop transformer

installed, in my experimental non-permanent type setup. The transformer will fit in the space where the loopstick was and I can just tape the rear cover in place with the primary wires coming out between the covers. This is about the shortest secondary hot wire arrangement, and it's still over 2 inches long. It's known that the "hot" wire to the board will pick up signal, so if the transformer were put even farther away in the upper right corner (viewed from the rear as in this photo), perhaps it would be wise to use RG174 coaxial cable to shield it if you have strong locals. The extra capacitance of the coax might be a concern when tuning the top end of the band however.

With the loop attached to the transformer, all was well when I finally turned the radio on, with good signals from top to bottom of the band. Nulling wasn't that great in my downstairs crowded bedroom with a workbench piled with test equipment and a large metal heater duct in the ceiling. I found I had to tilt the loop almost 45 degrees, then nulling was superb! Apparently all that metal really skews signals here in the bedroom. (This was all on nighttime reception tests just a little while ago.) I live in a rural area and the closest MW station is 20 miles away, 1450 KLBW, which is 1 kW in the daytime, and reduces power at night--usually I can hardly hear it at all at night in the jumble of stations on 1450. So I can't do urban strong-signal type tests here.

I then tested my good beginner's luck and built an LF version of the Hoop Loop. I started with a larger FT140-61 toroid and after I got that working, I wound a second transformer on a smaller FT114-61. There's quite a size and especially weight difference between them. The larger one had quite a bit of unwound core left; the smaller one is filled about 3/4, and the smaller one is easier to work with due to less size and weight. About 16 feet of wire is needed for the secondary, and use of a homemade wooden bobbin makes winding manageable, though not exactly fun. The secondary winding has 180 turns of #30 enamel wire on the smaller FT114-61 core with 14 center-tapped turns for the primary. Tuning range is 165-810 kHz and loop and transformer together measure about 1750  $\mu\text{H}$  on the aade.com LC meter.

I used the same 23" diameter loop with 5 spaced turns as before when I wound the AMBC transformer. A daytime check outside pulled in 9 NDBs, the most I've ever received during daytime on a portable radio with internal or small external loop antenna.

Finally, I used a previously built 6-foot square PVC frame as a two turn "hoop loop", along with the LF transformer. That heard me the "RL" beacon in Red Lake, Ontario, as well as more daytime NDBs. But I think it's too large to really be practical as a single-tuned antenna with the DSP varactor, and there was some bleedthrough from AM BCB stations even in my rural area. You're probably better off coupling a separate tuned loop to the PL380 like Gary DeBock's external loops do. I think the large loop is overwhelming the varactor part of the DSP chip with its single tuned circuit and not working as well as a double tuned circuit such as provided by Gary's loops.

A final note, if you install or remove a transformer or loopstick, use a proper procedure for removing and installing the wires. For removal, remove the hot wire before removing the ground wire. For installation, install the ground wire before installing the hot wire. There apparently have been isolated cases where the DSP chip AM Input has been zapped and destroyed by static charges associated with touching the AM Input pin without a ground path through the loopstick or transformer being in place first.

One should also be sure to touch something grounded and not move around while attaching the hot lead. The chip is supposed to be robust and survive such things and so far I haven't had any problems for the times I've forgotten to have the ground lead of loopstick or transformer in place first, but I always try to have the ground lead soldered first. (Or removed last when working with a loopstick.)

*(the above originally appeared in the Technical Column of IRCA's DX Monitor, and is used with the permission of all concerned)*

# THE RADIO COLLECTOR

Courtesy Daily Mail

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## ***Radio Ga Ga: Collector fills his house with 1,200 radio sets spanning more than 100 years***

Some might say he could do with bit of a clear out and should just get himself an iPod.

But 80-year-old collector Gerry Wells loves old radios so much he has filled every nook and cranny of every room in his home with the devices.

As the digital switchover fast approaches these incredible pictures of Mr Wells' radio cache - the UK's biggest collection of vintage radios - is a stark reminder of what will soon be lost to the history books forever.

The house is now the country's only working wireless radio museum - and these startling images show the more than 1,200 historical machines that fill every inch of his house.

In the perfect setting - Mr Wells' father bought the home from early wireless enthusiast Alfred Rickard-Taylor in 1914 - radios spanning over 100 years are stacked from floor to ceiling.

Covering every decade since 1890 the amazing stockpile of working machines includes an early German-made Rhumpkorm from 1895 right up to a modern wireless bought last month for Mr Wells to listen to in the bath.

And Mr Wells loves traditional radio so much he has vowed to continue broadcasting analogue radio signals even after the Government's plans to kill it.



*Rows of radios from throughout the 20th century line the shelves at Mr Wells' home*



*Every room of the pensioner's five-bedroom London home is crammed with radios spanning over 100 years*

In July culture minister Ed Vaizey heard a backlash from frustrated members of the public as he committed the Government to supporting 'the ambition' of turning off the FM radio signal in 2015.



*Gerry Wells at his home which is also the British Vintage Wireless and Television Museum*

The old TV analogue signal will cease to exist when the final region of the UK makes the TV digital switchover in 2012. Since 2008 the TV switchover has been happening one region at a time in the UK, with the servicing analogue signal being killed at the point each area makes the switchover.

The future is looking the same for radio with ministers discussing a similar scheme.

But for lovers of radio like Gerry a switchover to digital radio will be a personal catastrophe.

He said: 'Even if they do switch off analogue radio AM and FM signals I and plenty of people like me will continue to broadcast so that people can continue to enjoy it.'

'We will only be able to broadcast to our local areas but if you have something recorded and stored on any format like a CD, such as an old show or even just music, then you can send it out on an analogue broadcast using transmitters.'



"There are too many problems with digital radio. It doesn't work in many areas around Britain. And what will we do with all the people who don't have digital radio in their cars?"

← *Spanning every decade since 1890 the amazing stockpile of working machines line the walls of his home*

Eccentric Gerry says his affair with traditional radio and and early electric equipment began 'pre-natal' when he was still in his mother's womb.

He said: 'Since I could walk I had this fascination with all things electrical. As a child I didn't play with traditional toys. I was more fascinated by lightbulbs.

'While my mother was pregnant with me in 1929, we had electrical lighting installed and she was fascinated by the electrician working away in our home, installing all these wires and things she had never seen before.

'It seems like that fascination was passed on to me because I've had a lifetime of curiosity about electrical gadgetry.'

Bucking the family trend of a career in banking, insurance or the clergy, Gerry became a repair man fixing TV sets, radios and other early electrical goods.

1960's Bush radio



- The Bush TR82 transistor radio which was launched in 1959.
- A design classic, its portability meant it was immensely popular among teenagers.
- The design was created by Ogle Design, a company based in Hertfordshire and modern reproductions are still being made.
- The Bush company took its name from Shepherd's Bush in London.
- The TR130 launched in 1966 was also a design classic that is still collectable

1920s Crystal receiver - Browning



- A Crystal Receiver from the 1920s produced by Browning.
- Crystal radios were hugely popular in the early days of radio.
- They did not need a battery but instead drew power from the radio waves picked up on the antenna.
- It got its name from the crystal detector, originally made with a piece of crystalline mineral.
- By the end of the decade they were completely obsolete

In 1974, after a back injury stopped him from working, he founded the British Vintage Wireless and Television Museum, converting his townhouse into a walk-in homage to the contraptions he loves most.

'I was seeing these amazing machines being discarded and I felt there was a need to save them so that we can continue to enjoy them, even if they become obsolete,' he said.

After filling up every space in his home, Gerry built a large workshop at the end of his garden, which is also now brimming with vintage gadgetry.

The museum now consists of 13 rooms covered top-to-toe in radios, televisions, speakers and radiograms from the dawn of radio up to the last valve model ever made.

Due to his age, he now accepts visitors by appointment only and is unable to accommodate day trippers who turn up on his doorstep unannounced.

#### 1950s ULTRA coronation radio



- Ultra launched this special leather-bound version of its most popular radio in time for the coronation in 1953.
- The company first started in 1920 as Ultra Electric Ltd. for the production of domestic radios before selling the business in 1961.
- In 1950 the firm release the 1950 version of their popular portable, the 'Twin 50'.
- The Ultra factory was on the A40 in West London, opposite the famous 30s Hoover Building

#### 1940s GEC radio



- A classic design from the General Electric Company from around 1940
- Encased in bakelite this particular version was hard-wearing and affordable
- From the 1920s the Company was involved in the creation of the National Grid
- During World War II, GEC was a major supplier to the military of electrical and engineering products

But in arranged visits guests are treated to the spectacular sight of his colossal collection of wireless and TV sets.

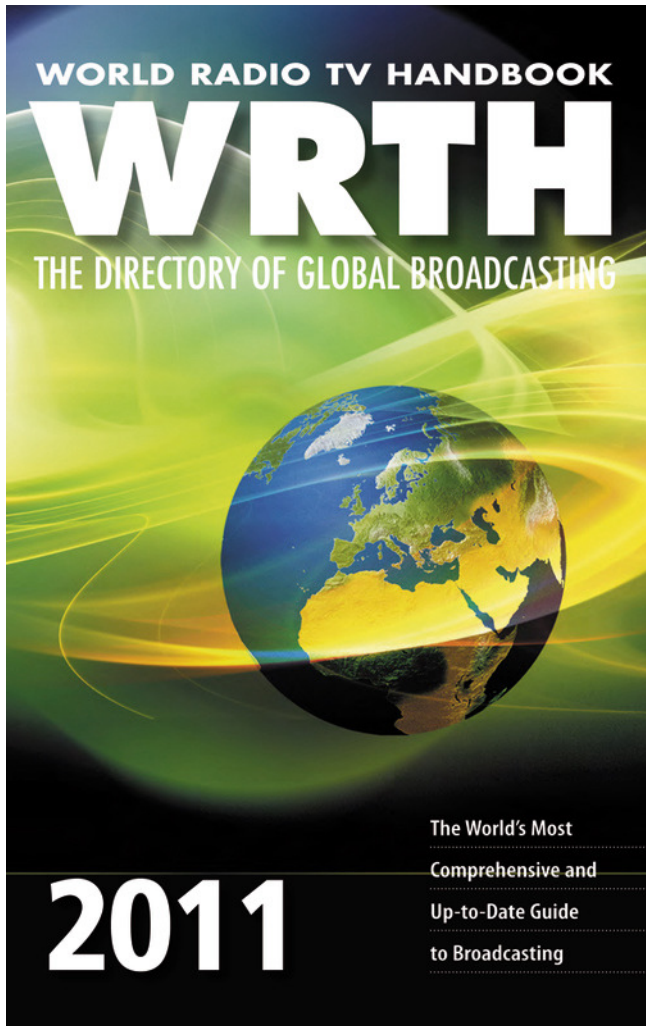
Today it remains in Gerry's words 'the only working and viable wireless museum in the UK'.

He said: 'There have been other great people out there but sadly many of them have died and without the precautions in place to protect their museums they have faded away.'

And for Gerry, the Life President of his attraction, which is now a trust and registered charity, the wireless will forever remain the best.



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# WiNRADiO G31DDC Excalibur

Software-Defined Receiver

Reviewed by Jack Weber



The biggest development to affect MW DXing in recent years has been the ability to record the entire band for time-shifted offline DXing. Not everyone wants to listen in this way, but there's no denying that it's brought about a major shift in DXing and in many DXers' sleep patterns.

Up till now, Microtelecom's Perseus software-defined receiver has been the only radio to offer this capability. Other SDRs that work in a similar way, such as the RFspace SDR-IQ, are restricted to a narrower bandwidth and so have not had as much impact on MW DX. Now, for the first time, Perseus has a real challenger - the WiNRADiO G31DDC Excalibur. Like Perseus, Excalibur is a software-defined receiver that digitises the incoming signal directly at radio frequencies and can record enough bandwidth to cover the whole of the MW band. And, like Perseus, it has the benefit of very effective and flexible digital filters - something that's particularly useful on the MW band.

Having used Excalibur for some weeks now, I thought I'd offer some observations on its potential for MW DXing.

The hardware part of Excalibur comes in a screened box with a plastic outer shell, the same design that Winradio has used for all of its G3-series radios. It's small, light and unobtrusive. The only physical controls are a power button and an indicator light. At the back there's a power connector for the external 12 volt linear power supply, an antenna connector (SMA with a supplied BNC adapter), and a USB 2.0 connector for the cable that joins the receiver to your PC.

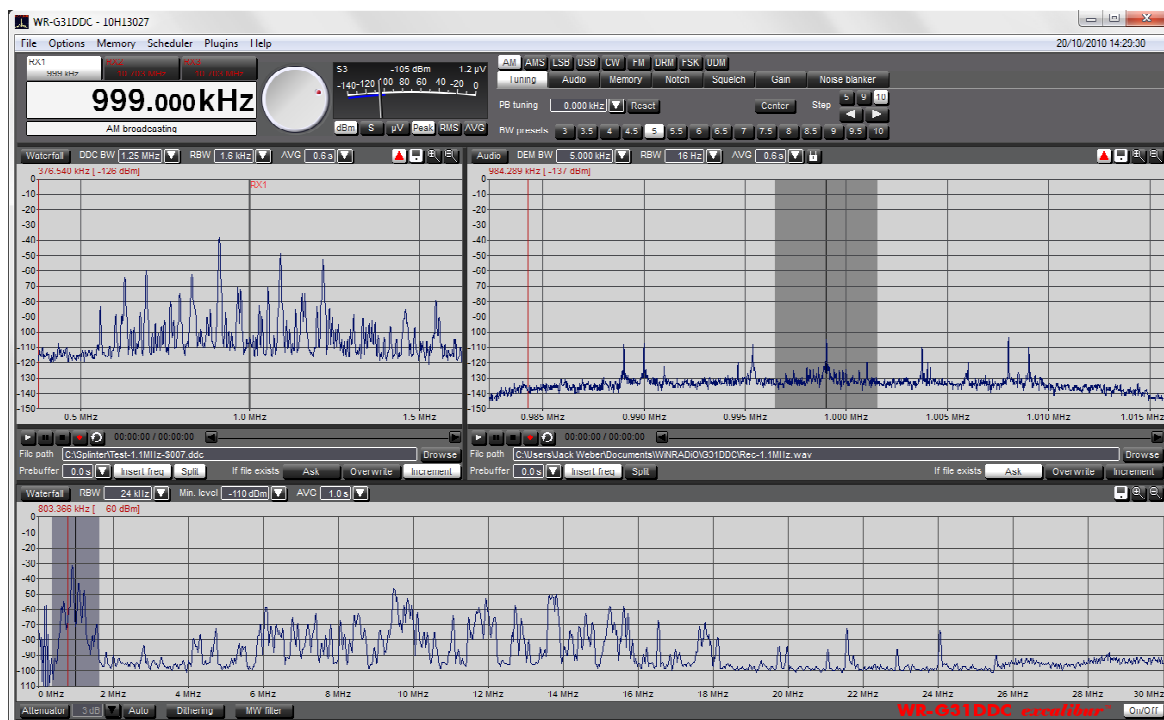
The minimum requirement for full operation is a 2GHz dual core CPU running Windows XP, Vista or 7. And, of course, it must have a free USB 2.0 port. None of this should present any problems these days, though it's worth trying to go above the minimum spec if at all possible. To allow for different computer performance levels, Excalibur lets you adjust the length of its digital filters. This trades filter sharpness against CPU load so you may get away with a PC below the minimum spec, but it probably won't provide the full range of filters and bandwidths. I'm using Excalibur with a

3GHz Core Duo PC running Windows 7 and it can comfortably handle the maximum settings at a CPU load of around 30%.

The audio output is fed via whatever soundcard you've selected as your default. Although Excalibur will work fine with the PC's built-in soundcard, it really does help to use a more upmarket card. You'll get lower noise, more dynamic range, better stability and simply a more intelligible sound, which should translate into more DX. The same, of course, is true when using any SDR.

Internally, Excalibur is what's known as a DDC (Digital Down-Conversion) receiver. The RF coming in from the antenna is digitised by sampling at 100 MS/s (100 million samples per second) and 16 bits. This allows Excalibur to see just under 50MHz of radio spectrum in one go. That's too much for subsequent processing so it needs to be converted down to a more manageable bandwidth by a mathematical technique called decimation. This reduces the full 50MHz to any one of 21 possible bandwidths ranging from 20kHz to 2MHz. Three of these bandwidths (1.25, 1.5 and 2MHz) are sufficient to capture the whole of the MW band, and the two larger ones let you include the NDB band and LW too. You can move this DDC bandwidth anywhere within the digitised 0-50MHz spectrum, which means that Excalibur can tune from 9kHz to 49.995MHz, though performance falls off above about 40MHz.

Within the currently selected DDC bandwidth you can receive any signal that's present. In fact, you can receive any three signals because Excalibur provides three independent receivers, each of which can have different modes, filters, AGC settings, etc and all of which can be used simultaneously. In reality, I've rarely found a need to use more than one. They can be useful if you're checking for parallel transmissions, though you can't check a MW signal against a possible SW match as that would be outside the DDC bandwidth. Excalibur can record the outputs of these receivers as audio, and it can also record the full DDC bandwidth for subsequent offline DXing.

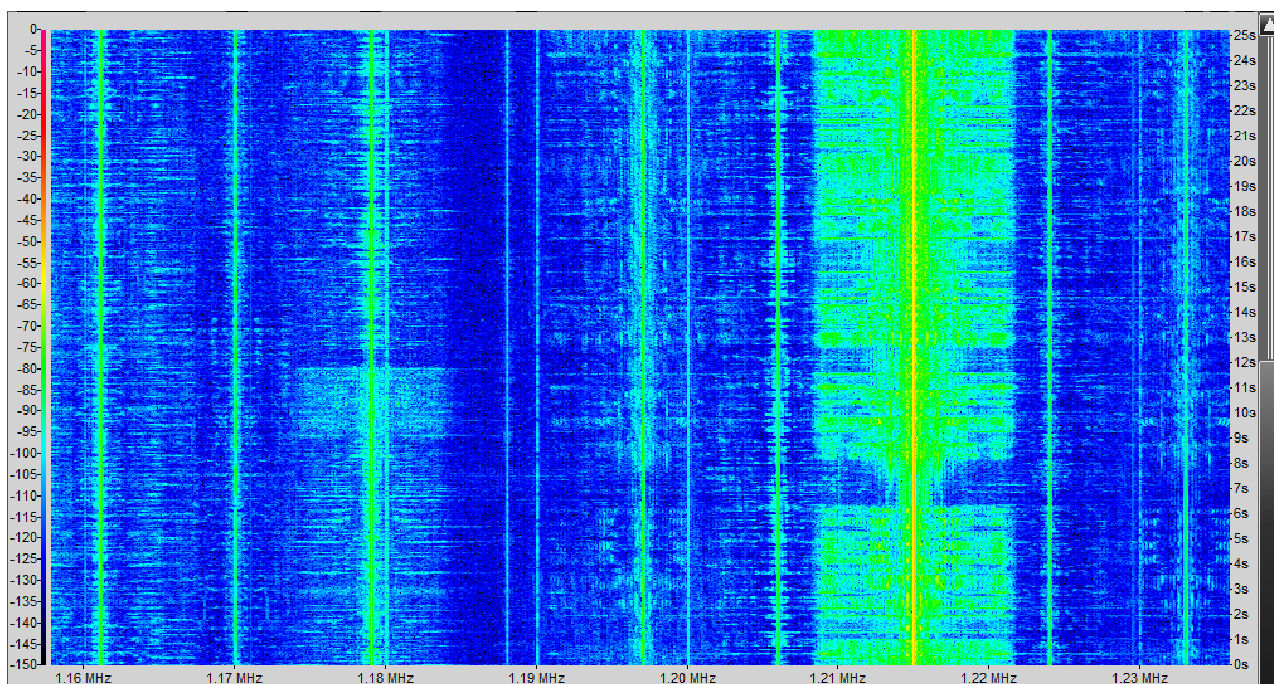


*Excalibur's resizable window is dominated by its three spectrum analysers. The main receiver controls are grouped at the top. The wideband and audio recorder controls are in a band in the middle and can be hidden when not in use.*

As with other SDRs, all the operational controls and displays appear on your computer screen. In contrast to Perseus, which has a fixed-size window, Excalibur's window is resizable which means that it can fit on anything from a smallish laptop to a big widescreen display, and you have the

choice of filling the screen or leaving room for other windows. A variety of skins (colour schemes) allow you to choose an appearance that suits you.

The interface is dominated by three spectrum analysers which show progressively narrower segments of the received spectrum. Stretching across the full width of the window at the bottom is the wideband display showing 0-30MHz or, if you choose, the full 50MHz. At top left is the DDC display showing whichever one of the 21 DDC bandwidths you've selected. At top right is the demodulator display which provides a detailed view for tuning and setting the receiver. Alternatively, you can use it to show the demodulated audio spectrum. All three panels can be resized relative to each other and all of them expand and contract together as you resize the window. In addition you can zoom in on each display, and both the wideband and DDC displays can be viewed as inverted waterfalls instead of spectrum graphs. All this offers tremendous flexibility and is a great help when DXing.



*Both the wideband (0-30MHz) and DDC spectrum displays may be viewed as waterfalls.*

Being able to see signals across a block of frequencies is invaluable both as a tuning aid and as a guide for adjusting various filters. In this respect, the Excalibur displays are as good as any I've seen. They're fast, accurate and offer a wide range of sensible adjustment options. Each display can optionally be averaged over a range of 0.1 to 2 seconds in order to reduce the effects of rapidly fluctuating noise and modulation and so help to reveal actual signals. The display data is stored in a sizable buffer, which allows you to scroll back in time by up to 50 seconds on the DDC waterfall and up to 10 minutes on the wideband display. Unfortunately, the waterfalls don't display time markers, there's only a relative scale that shows how many seconds you've scrolled through. That's not particularly helpful. It would be nice also if there was a control for reducing the refresh rate of the waterfall as a slow, long duration waterfall can be useful for checking activity over a longer period of time. Incidentally, there appear to be no controls for changing the visual dynamic range of the waterfalls and none are mentioned in the manual, but they do exist. You just need to right-click on the level scale at the left of the waterfall.

The demodulator display can resolve down to either 1Hz or 2Hz depending on the current DDC bandwidth. This is more than adequate for normal DXing, but may not be enough to satisfy serious enthusiasts of carrier offset tracking. Though for that sort of work, you'd probably want to send the audio output to a more specialised application such as Spectrum Laboratory anyway. At 2.5 ppm, frequency stability is not quite as solid as on most top-level receivers. Again it's more than good

enough for normal DXing, but less suitable for precise frequency measurements. A professional version of Excalibur with tighter frequency control and other improvements is due, but there's no definite indication yet of cost or availability. One very helpful feature is that you can easily calibrate Excalibur to any known frequency rather than having to use a specific standard frequency such as 5 or 10MHz. This means that you could use BBC R4 on 198kHz, the Russian frequency standard stations on 4996 and 9996kHz, or indeed any other station that's known to be reliable.

All the usual reception modes are available and there's even a built-in DRM decoder, though you'll need to purchase a software key for €49 to make use of it. I know DRM is unpopular with many DXers and its future looks increasingly uncertain, but if you want to try it, this decoder works very well and is far more convenient than using an external application. If you already own the DRM key from an earlier G3 model, it will work with Excalibur. The Synchronous AM detector lets you select either or both sidebands, which is excellent. And the latest software version has tightened it up to avoid the problem of it being captured by other nearby carriers. This is just what's needed when listening for MW splits with a local carrier 1 or 2kHz away. It works really well, pulling the audio up and stabilising selective fading.

Demodulation bandwidth (i.e. selectivity) can be adjusted by dragging the on-screen passband edges with your mouse, by entering a numerical value or by selecting from a range of preset values. The minimum bandwidth is 10Hz, which should make NDB DXers happy, and the maximum is 33.333kHz, which is more than you'll ever need. Filter quality is absolutely superb with near-vertical sides (especially if you can turn up the filter length) and minimal ripple. My only quibble is that the AM filtering is an exception to this, being rather broad and soft. A sharper-edged option to match the other modes would have been useful. Anyway, it's not a big problem as you're more likely to be using SSB or Sync AM for DX reception.

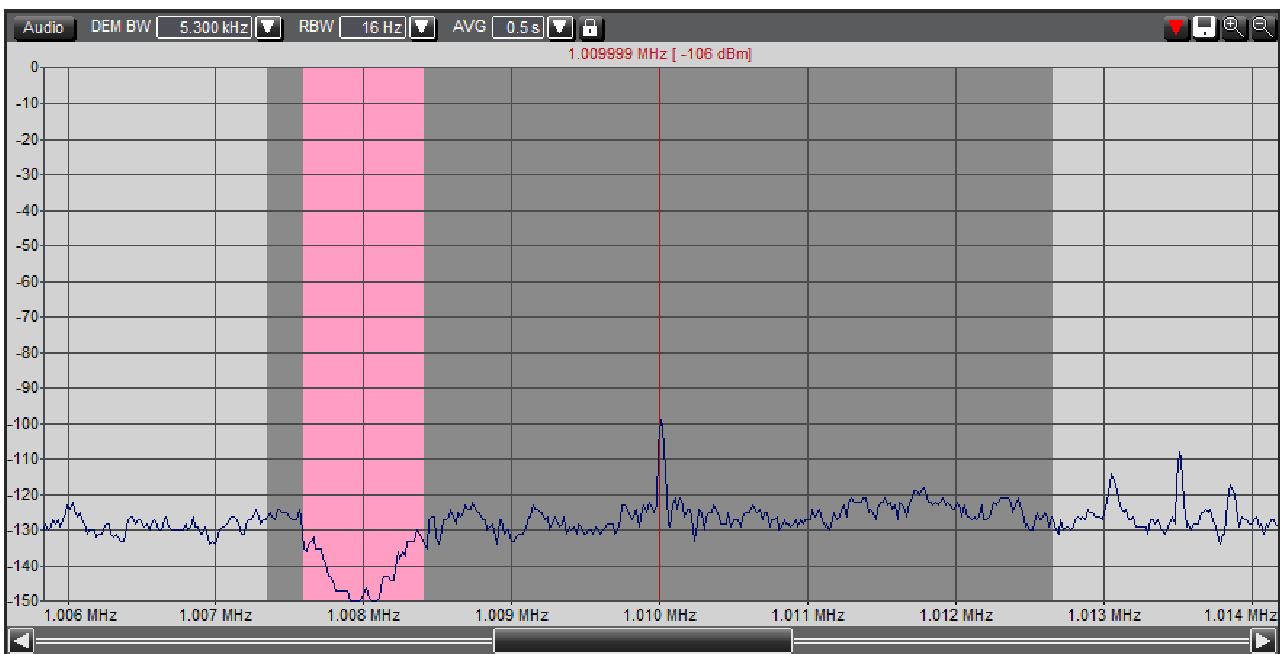
One extra level of filtering that's provided is an audio bandpass filter. On its lower edge this is very useful for reducing rumble, and the top edge can provide the steeper cut-off that's needed when using AM mode. Beware though, because it can also catch you out. Sometimes when you try to widen the demodulation bandwidth, nothing appears to happen. The reason is that you've inadvertently left the audio passband at a narrower setting so whatever changes you're making to the demodulation filter are being lost. The easy solution is to always leave the audio filter wide, but for more critical listening you'll get the best results by setting it the same as or just a bit wider than the demodulator filter.

This potential for confusion with the audio filter highlights a more general interface issue which is that you're never able to see more than a few of the controls at one time. In order to maximise space for the three spectrum displays, the operational controls have been split up into seven separate tabs labelled Tuning, Audio, Memory, Notch, Squelch, Gain and Noise Blanker. This can be frustrating as you have to click on a different tab each time you want to move from, say, Tuning to AGC or from Audio to Memory. It's also the reason why you may not notice if you've left something like the audio filter, the AGC or the noise blanker set in an inappropriate way, as you can't see the setting when you're in a different tab. I'd happily give up some space elsewhere in order to get more controls on screen. What is good is that almost everything can also be controlled by the use of customisable keyboard shortcuts so, if you can remember the keys, you may not need to switch tabs so often.

Tuning comes with many options. Rotating the mouse wheel tunes in 1kHz steps which become 1, 10 or 100Hz if you hold down the Ctrl, Shift or Alt keys respectively. To go straight to a particular frequency, you can enter it from the keyboard or click on it in any of the three spectrum displays, though this usually results in just an approximate value determined by the resolution of the display. It would be nice if it could be set to snap to the nearest whole kHz. Up/down tuning in fixed steps of 5, 9 or 10kHz is available via on-screen buttons and keyboard commands. There's also a virtual tuning knob on the screen that you can rotate by pressing the left or right mouse buttons over it.

Finally, you can change individual digits by pressing the shift key while scrolling the mouse wheel over that digit. If you'd rather use a hardware tuning knob, Excalibur works well with the Griffin PowerMate.

There's an excellent notch filter that can be positioned by hand on the demodulator spectrum display and can be adjusted for width from 10Hz to 2kHz. It's very effective. Some people may want an auto-notch, but for me a manual one is preferable. AGC can be set to Fast, Medium or Slow and you can also define up to three custom settings. Alternatively, you can switch the AGC off and set the gain manually, which is often better for weak signals. AGC is based on levels within the demodulator passband. Given Excalibur's superb filters this means that you can get very close to a much stronger station without having it affect the gain. There's no Noise Reduction filter, but there is a Noise Blanker. I haven't used it much as I don't generally suffer from the sort of impulsive noise that blankers are designed to tackle, but on the one occasion when it did occur the blanker dealt with it effectively.



*The benefit of this type of display is that you can see exactly where the signals are and adjust filtering to suit. Here, the broader band shows the main selectivity filter set to receive on 1010kHz, the pink band within it shows where the notch filter has been placed to remove an interfering signal on 1008kHz.*

As I've already mentioned, Excalibur can record the whole DDC bandwidth up to 2MHz for offline DXing later and can also record up to three audio channels. Long recordings can be split automatically into files of about 2GB so you can leave the recorder running all night if your hard disk has enough space. At the maximum 2MHz bandwidth, a DDC recording uses about 36GB per hour. At 1.25MHz, which is the smallest bandwidth to cover all of MW, it needs 24GB per hour. At narrower bandwidths, Excalibur uses more storage than Perseus because it records 32-bits of data rather than 24. However, above a DDC bandwidth of 1MHz both drop down to 16 bits so disk usage is comparable. The price of 1 and 2TB hard disks has fallen so much that it's entirely reasonable to make complete overnight wideband recordings of MW. Though, you wouldn't want to keep too many of them.

During playback all the split files join seamlessly and you can pause and move forwards or backwards within each file. If your DDC recording has caught something that you want to keep as an audio recording, you can record the audio directly from the DDC playback. Having both wideband and audio recording fully integrated into the receiver is a delight and vastly better than messing about with separate recording software and audio cables (actual or virtual). It all works

well and is immensely useful. What stops it being perfect is that there is no timestamping on the recordings, so finding TOTH IDs or simply logging what you've heard isn't easy, though it can be done by noting down the start time of the first recording and then doing some calculations. Also, there's no ability to endlessly loop a short section during playback in the way that Perseus does. Instead you have to drag the marker manually back along the timeline every time. It would be very nice if both these points could be addressed in a future software update.

There's a powerful scheduler for audio recordings that lets you set different tuning, mode, gain, etc. for each event. Sadly, you can't schedule DDC recordings, which is odd as there's more need for this than for timed single-channel recordings. However, following recommendations from other users, I've been using a free utility called Splinterware System Scheduler to stop and start the DDC recorder at specified times. It works very well, making it easy to create repeated short TOTH recordings or indeed any other scheduled DDC recordings. Of course, it would be even better to have an integrated DDC scheduler to match the excellent one for audio, but at least this plugs the gap.

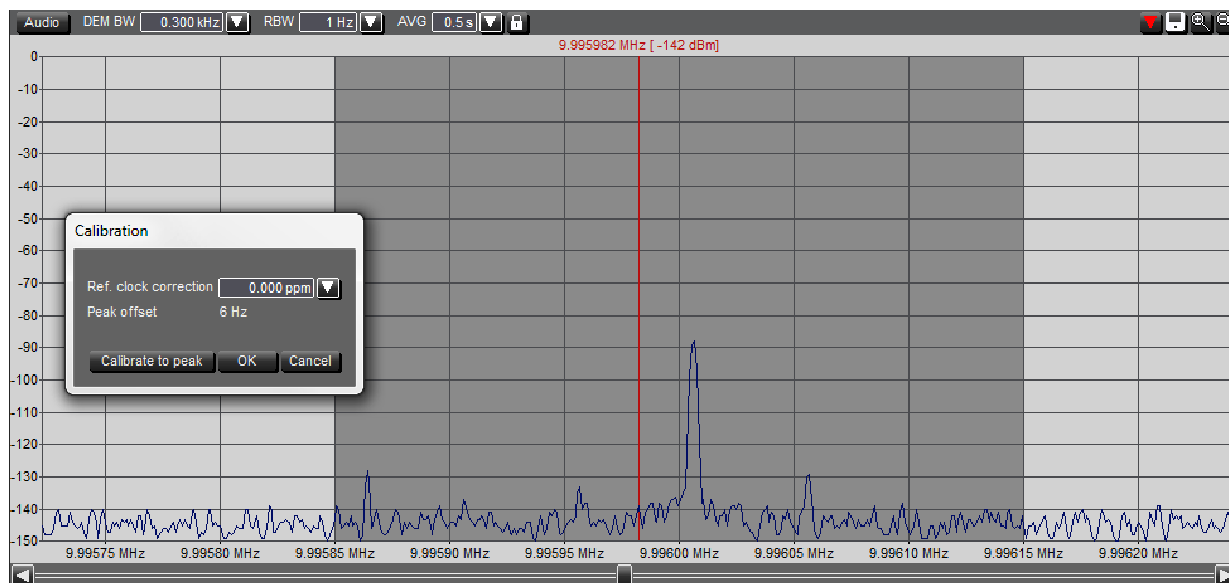
Incidentally, the ease of using a program like Splinterware reflects an important difference between Excalibur and Perseus. Because of its almost total lack of keyboard commands, Perseus can only be controlled from generic third-party software by simulating mouse-clicks at specific positions on screen. Excalibur, by contrast, has comprehensive and easily customised keyboard shortcuts which makes it easier to provide remote control or scheduling via external software and also ensures that such arrangements will continue to work if the window is moved or resized.

Excalibur has an unlimited number of memories for storing frequencies and receiver settings. You can also assign up to 11 memories to the keyboard's function keys, which is very handy for quick access to any station or frequency of particular interest. As you tune around, any memory entries associated with the current frequency ( $\pm$  an adjustable margin) will appear in the Memory tab, though this is a cramped little space and, anyway you may not be able to see it as you'll probably need one of the other tabs to be active. You can also open a separate window to show the memory database and tune straight to any entry by double-clicking on it. It's a pity that data can't be imported into it, but has to be entered as individual records.

Being so new, Excalibur inevitably has a few bugs and wrinkles, which still need to be sorted out. Fortunately, Winradio has always been very responsive to user feedback and has an impressive track record of issuing frequent software updates. One bug that I reported to them (it affected the operation of the notch filter in certain modes) was diagnosed, re-programmed and released as a software update in one month. A minor incompatibility with some sound cards was also fixed within weeks of being reported by users. There aren't many manufacturers that could manage that. Among the outstanding issues are some inconsistent readings on the S-meter, such as RMS values usually being higher than Peak values. Another one to watch out for is that when you're making a DDC recording you must make sure that the button labelled Insert Frequency is selected. At first sight, this button simply seems to give you the option of putting the centre frequency into the file name. In fact it's not an option, it's essential, because if you don't select it then the DDC recording won't work when you play it back. (No, it doesn't make sense to me either). As far as stability goes, I've found the software to be very reliable. It's never crashed on me or caused anything else to misbehave.

Excalibur's capabilities can be expanded by the use of software plug-ins. There aren't currently any designed specifically for it, but that may change once it becomes established. Meanwhile, Winradio offers several software options including VSC, which can route audio to other applications, Wavebase, which provides facilities for controlling Excalibur from a database of frequencies and stations, and the Advanced Digital Suite, which decodes various digital modes such as Navtex and Fax. Because audio recording is built in, there's no further need for Total Recorder and similar software. However, you may want to keep an audio editor for cutting down recordings or providing

more complex audio filtering. Excalibur's audio recordings are in WAV format so they don't suffer the limitations of MP3. Of course, they can be converted in an audio editor if you want a compressed format for archiving.



*Frequency calibration is very simple and can be done at any accurately known frequency.*

As I'm concentrating on Excalibur's use for MW DXing, I've ignored various features that aren't directly applicable. So I'll just quickly mention that the frequency display can be offset for use with VHF/UHF downconverters. Excalibur also has three types of squelch and an FM mode, but not wide FM as needed for broadcast reception.

That more or less covers the main operational features of Excalibur. What about its signal handling?

MW DXing makes great demands on any receiver. In particular, it requires the ability to receive weak signals close to very strong ones. Fortunately, this is precisely where Excalibur excels. The sharpness and depth of its filters is excellent and its handling of strong signals is superb. Unlike an analogue receiver, which will degrade gradually as it's presented with ever stronger input signals, a digital receiver suffers little degradation until the input saturates and clipping occurs, at which point reception falls apart. To prevent this happening, Excalibur has a switched attenuator that can be adjusted in 3dB steps from 0 to -21dB. There's also a very useful Auto option that will increase the attenuation automatically if signal overload approaches. This is ideal if you leave Excalibur making a DDC recording and then a local powerhouse comes on air in the middle of it. There's no switched preamplifier, nor is one likely to be needed on MW except perhaps in very quiet locations. There's also no preselector other than a switched high-pass filter to protect SW reception from powerful MW broadcasts. Again, that will be fine in the vast majority of cases, but may be a limitation for MW use if you live close to a SW transmitter.

The sort of intermodulation problems that can affect analogue radios are almost non-existent in digital receivers except insofar as they're caused by analogue circuitry in the front end. However, SDRs can suffer from various spurious signals that are produced in the digital processing. Excalibur is remarkably free from these apart from one type that appears only when using the three widest DDC bandwidths. I first noticed this when applying a clean signal from a crystal oscillator. At lower DDC bandwidths, it was a textbook response, but at the three highest ones, a cluster of spurs appeared alongside the oscillator signal. They were at low level, but clearly audible. I was puzzled at how I could have missed these before, but going back to real-world listening I found no trace of them. It was only when listening to broadcast stations around 21.6MHz in the 13m band, where incoming noise is much lower, that the spurs sometimes appeared. I suppose that in a remote and



quiet location they might become evident even on MW, but I doubt it. If they do ever cause trouble, Excalibur allows you to apply dithering. This is a technique for reducing internally-generated spurious signals by smearing them out across a range of frequencies. This inevitably raises the noise floor a bit, but it completely eliminates these spurs. Overall, Excalibur has really excellent RF performance with exactly the quality you need for MW DXing - good dynamic range even where weak and strong signals are crowded together.

When listening on MW TA split frequencies in Excalibur, I've found that both Sync AM and the two SSB modes, give excellent results. I rarely use Normal AM mode because the filtering isn't sharp-edged enough for DXing, though you can use the audio filter to improve it. As with any receiver it takes a while to get the feel for which modes work best in which circumstances. MW DXing is unusual in this respect because it's one of the few areas where the "correct" mode (in this case AM) is not normally the best one to use. In all modes, you can perform minor retuning by dragging the passband using the left mouse button or you can use the right button, which moves the passband but leaves the local oscillator tuning unchanged. These techniques, together with use of the audio filter, notch and AGC, make up a powerful toolkit for extracting the most out of weak signals. If you're used to operating an old-style analogue receiver, any SDR of this type will present a steep learning curve at first, but you'll be well rewarded for the effort.

Having spent some time running Excalibur alongside Perseus on MW, with both receivers fed from the same antenna via a splitter, I found that anything I could hear on one I could hear on the other. They do sound different and sometimes one or the other gave slightly better audio recovery, but there was no consistent bias favouring either one. If you're undecided between them, I suggest you base your choice primarily on the interface and the additional features, and don't worry about core performance. In this respect, both receivers are pretty much at the peak of what's available now.

So, we come to the bottom line. Is Excalibur a suitable receiver for serious MW DXing? Yes, definitely. Its RF performance is superb, its filters are excellent, the displays are clear and useful, and there are enough options and adjustments to ensure that you can get the best out of any signal. This is a first-rate radio for MW DX. Is it a Perseus killer? No. It's a very formidable rival - ahead of Perseus in some respects, behind it in others - but it isn't a next-generation receiver that makes Perseus obsolete. Both use the same underlying approach and each has its own strengths and weaknesses.

Performance isn't really an issue now, but I don't believe that any SDR manufacturer has yet delivered the last word in usability and ergonomics. Modern receivers like this process vast amounts of information and have the scope to do so much with it that they demand new approaches in terms of control and display. Excalibur brings some new thinking to this and, very importantly, brings competition to what was essentially a one-horse race before. I hope that this will lead to even better radios for all of us. In the meantime, what we have in Excalibur is an exceptionally talented new receiver with a flair for MW DX. It's certainly one of the best receivers that I've ever used. It's sensibly priced and very well supported, and it deserves to attract many users.

In the UK, Excalibur is available from Waters & Stanton, Nevada and Martin Lynch & Sons for £649.95. To put that in context, Perseus costs £699.95 (though there have been various discount offers recently) while top analogue receivers such as the AOR AR7030+ and JRC NRD545 were selling not so long ago for £829 and £1399 respectively. As well as the receiver itself, you get a linear power supply, a USB cable, a substantial printed manual and a disc containing the software. Software installation is very simple and unlimited free updates can be downloaded from [www.winradio.co.uk](http://www.winradio.co.uk). That's also the place to find more information and a full technical specification. If you want to get a feel for Excalibur before you buy, you can download the software and use it in Demo mode without needing to have the hardware. Obviously, you won't be able to receive anything, but it's a useful introduction to this radio.

# NORTH AMERICAN NEWS

✉ Sand Gap, Bursea, Holme-on-Spalding Moor York YO43 4DF

with Andrew Brade

e-mail: [na-news@mwcircle.org](mailto:na-news@mwcircle.org)

Hello again.

Here is what's been happening on the North American AM dial. May I express my gratitude to the organisations which make this summary possible? Thanks this month to: - IRCA, ABDX, NRC DX News, FCC, CRTC, DXLD.



- 1310 CIWW** Ottawa, ON - Format changed from 18<sup>th</sup> October to all news, joining co-owned 680 News CFRA, per the Ottawa Citizen via IRCA. Heard identifying in late October as "1310 News".
- 1500 KUMU** Honolulu, HI - This station was sold in 2010 and has switched from Adult Contemporary to Sports Talk with a change of call sign to KHKA (per NRC and Star Advertiser). This station has been heard in Europe and even in Scotland!
- 1560 KGOW** Bellaire, TX - Construction permit now on the air increasing night time power from 1kW to 15kW (daytime 50kW remains unchanged). While the daytime pattern is to the north-east, the night time pattern is to the south east.
- 1670 WFSM** Dry Branch, Macon GA - Call change for WFSM to WPLA. This just seems to be a call-sign change; the format is still Fox Sports and the website is still foxsports1670.com. In the twelve years since this station began, it has had no fewer than seven callsigns! Before Fox Sports it was the Viva Mexican station, a format that ended in February 2009.
- 1700 XEPE** Tecate, Baja California N, México; Format change to ESPN Sports. This station began in 2005 as Cash 1700, then went through a talk phase (San Diego 1700) and is now Sports.

## CANADIAN RADIO NEWS

- 930 CJYQ St. John's, NL CP is granted for U5 25000/3500, decreasing their night power while going non-directional and relocating that night transmitter.

### FORMAT CHANGES

- 710 CBF-17 Lac Edouard, QC Change feed source from CBF 95.1 Montreal to CBF-8 96.5 Trois Rivieres
- 710 CBF-18 Parent, QC Change feed source from CBF 95.1 Montreal to CBF-8 96.5 Trois Rivieres
- 990 CBF-16 Clova, QC Change feed source from CBF 95.1 Montreal to CBF-8 96.5 Trois Rivieres
- 1310 CIWW Ottawa, ON From Oldies to News

**OFF THE AIR**

1220 CJUL Cornwall, ON The CRTC, in response from the request of the the owner (Corus Radio Company), has revoked the licence of CJUL. This makes two (CHSC St. Catharines and CJUL) Canadian 1220s that have signed off in the past couple of weeks. Could WHKW-Cleveland open up its tight pattern nulls toward those two cities? Time will tell.

**GRANTED AM TO FM CONVERSIONS**

1230 CFXG Grande Cache, AB CP granted to move to 93.3 MHz with 190 Watts at minus 81.7 metres. The new station must be built and on-the-air within 24 months and, once built, will relay CFXE-FM 94.3 Edson, Alberta. The AM will sign off 90 days after the 94.3 facility begins regular broadcasting.

1400 CKGR Golden, BC CP granted to move to 106.3 MHz. Once the FM station has begun its regular schedule, 1400 AM has 90 days of life left.

**USA RADIO NEWS**

**CALL LETTER CHANGES**

FREQ	OLD CALL	CITY	NEW CALL
570	WTNT	Bethesda, MD	WSPZ
730	KURL	Billings, MT	KYYA
730	WXTR	Alexandria, VA	WTNT
1170	WQVA	Lexington, SC	WDEK
1230	WGUY	Newport, ME	WDME
1240	new	Ellsworth, ME	WGUY [unbuilt CP]
1340	KEBC	Midwest City, OK	KGHM
1400	KEZL	Visalia, CA	KRZR
1420	WLET	Toccoa, GA	WVNG
1500	KUMU	Honolulu, HI	KHKA
1670	WFSM	Dry Branch, GA	WPLA

**SLOGAN/IMAGE CHANGE OR UPDATE**

FREQ	CALL	CITY	SLOGAN UPDATE
910	WAVL	Apollo, PA	"Liberty 910"
1400	WKHZ	Ocean City, MD	"The 80's Channel"
1400	KGVL	Greenville, TX	"14GVL"

**FORMAT CHANGES**

FREQ	CALL	CITY	OLD INFO	NEW INFO
550	WDDZ	Pawtucket, RI	Radio Disney	Silent
560	WCKL	Catskill, NY	Silent	Hot AC
580	KTMT	Ashland, OR	Regional Mexican	Sports - ESPN
600	WBWL	Jacksonville, FL	Radio Disney	Talk
680	WDRD	Louisville, KY	Radio Disney	Sports - ESPN
730	KYYA	Billings, MT	Religion	News / Talk
730	KYYA	Billings, MT	News / Talk	Sports
800	WCHA	Chambersburg, PA	Standards	Oldies
910	KBLG	Billings, MT	News - Talk	Sports - FOX
910	KOYN	Billings, MT	News / Talk	Fox Sports
910	WAVL	Apollo, PA	Contemp. Christian	Talk
930	WGAD	Rainbow City, AL	Oldies	Reported Silent
1000	WBZR	Robertsdale, AL	Sports	Talk
1060	KIPA	Hilo, HI	Ethnic Hawaiian	Reported Silent

1160	WCXI	Fenton, MI	Country / S. Gospel	Oldies - Talk
1230	WODI	Brookneal, VA	AC	Oldies
1240	WBGC	Chipley, FL	Variety	Reported Silent
1340	WMTE	Manistee, MI	Talk	Reported Silent
1350	WJBY	Gadsden, AL	Sports	Oldies
1370	KZSF	San Jose, CA	Regional Mexican	Reported Silent
1400	KGVL	Greenville, TX	Classic Country	Oldies
1400	WKHZ	Ocean City, MD	Top 40	80's POP
1410	WHAG	Halfway, MD	Standards	True Oldies
1440	WCWC	Williamsburg, KY	Variety	Reported Silent
1440	WWCL	Lehigh Acres, FL		Sp Relg (Radio Vision Cristiana // WWRV 1330)
1450	WTOD	Hartsville, SC		Reported Silent
1460	WPON	Walled Lake, MI	Oldies / Talk	Reported Silent
1490	KBSR	Laurel, MT	????	Silent
1500	KHKA	Honolulu, HI	AC	Sports - ESPN
1500	KSJX	San Jose, CA	Ethnic	Reported Silent
1550	WDZK	Bloomfield, CT	Radio Disney	Silent
1700	XEPE	Tecate, BN	Talk	Sports - ESPN

**FACILITY AND PARAMETER APPLICATIONS / GRANTS**

(A) = application, (G) = grant, (D) = Dismissed

540	WKFN	Clarksville, TN	Licensed for U1 1000/55, WKFN applies for U1 4000/55 CH 4000. (A)	
560	WQAM	Miami, FL	U4 30000/25000 co-locating transmitter with that of WAXY-790. Both new patterns, from 5 towers, throw the signal in long, fat lobes to the NE & small bubbles off the back. (G)	
570	WTBN	Pinellas Park, FL	Modify licence to 5 K / 5 K DA-2 (G)	
690	WIST	New Orleans, LA	Licensed for U4 10000/5000, WIST has filed several applications and amendments since 2007. Sifting through all the FCC jargon, this is what we've been able to figure out: They have been granted U2 9100/5000 after a new self-supporting tower is built to replace the southernmost structure in their 4-tower north- south in-line array. Still on the books is an application for applied for U4 10000/2100., that may change. So stay tuned.	
790	WPNN	Pensacola, FL	Licensed for U1 1000/66, applied to move to 780 kHz with D3 3000/0. Now requests a move to 770 kHz with D3 50000/0. (A)	
1010	WGUN	Atlanta, GA	U1 50000/78 CH 45000, increasing the Critical Hours power. (G)	
1020	new	Star, ID	Initial application was for U2 50000/500. This amendment requests U2 10000/500. (A)	
1080	KCNM	Saipan, MP	U1 1100/1100. (A)	
1110	WGNZ	Fairborn, OH	Licensed for D3 2500/0 CH 1700, WGNZ has a CP for D3 5000/0 CH 1700. This amendment requests U7 5000/2 CH 1700. (A)	
1120	WPRX	Bristol, CT	Licence cancelled; call deleted; On September 28, 2010 the FCC rescinded the licence of WPRX because the licensee failed to file for renewal, claiming they never received a reminder notification of the upcoming renewal obligation. They are petitioning for an STA to return to the air until they can file. (D)	
1170	WWLE	Cornwall, NY	Increase to 2.5 k/ 500 DA-2 (G)	
1170	WKFL	Bushnell, FL	Licensed for D1 1000/0, WKFL applied for D4 10000/0 CH 5000. This amendment increases the CH power request to 5300 Watts. (A)	
1180	new	Reno, NV	New station application reinstated for U2 7500/670. (A)	
1210	KPRZ	San Marcos-Poway, CA	CP for U4 20000/30000 is deleted. KPRZ remains U4 20000/10000. (D)	

1230 KSLO Opelousas, LA Licence to cover 1 K / 1 K NDA (G)  
1230 KYSM Mankato, MN Licence to cover 1 K / 1 K NDA (G)  
1230 new Kotzebue, AK Application for new station dismissed (D)  
1240 new Ellsworth, ME This unbuilt station has a CP for U1 1000/650. They are now requesting U1 1000/640 on 1230 kHz moving to Veazie. (A)

1250 WBRM Marion, NC U1 5000/51 moving to a new tx site. (A)  
1260 WSHU Westport, CT U1 1000/18 changing the City-of-Licence to Stratford. (A)

1260 new Kotzebue, AK Application for new station dismissed (D)  
1280 KRZE Farmington, NM Licence cancelled; call deleted [Apparently, the licence expired on October 1, 2005 and the FCC claims they have no record of them receiving an application for renewal] (D)

1300 WJMO Cleveland, OH Licensed for U3 5000/5000, WJMO is operating under a Special Temporary Authorization (STA) with U1 1200/1200 CH 1200 due to theft of, and vandalism to, their ground system.

1320 WJAS Pittsburgh, PA Licence to cover 5 K / 3.3 K DA-N (G)  
1350 KDZA Pueblo, CO change to 1.3K 150 NDA from KDZA site (G)  
1360 WMOB Mobile, AL Licensed for U4 5000/212, WMOB is operating under an STA with D1 1000/0 from a temporary site. This application is for U4 9000/200 from a new site. (A)

1370 WHYP Corry, PA Licence cancelled; call deleted (D)  
1380 WTMC Wilmington, DE Applies for U1 250/14 as an auxiliary facility using an 85' VALCOM antenna. WTMC is owned and operated by the Delaware Department of Transportation. (A)

1430 KZQZ St. Louis, MO U4 50000/5000, increasing the daytime power. The new day pattern is kidney-shaped with the major lobes heading northeast and southwest, and a major null to the southeast. (G)

1430 new North Las Vegas, NV U4 5000/370 from 2 towers, but see below. (G)  
1430 new North Las Vegas, NV Initial application (since granted) was for U4 5000/370. Now requests U4 2500/440. (A)

1460 new Shawano, WI U4 1000/620 (A)  
1470 WBKV West Bend, WI Augments night time pattern to compensate for changes in nearby power lines (G)

1490 new Alpine, TX U1 1000/950 (G)  
1490 WRCE Watkins Glen, NY Licenced for 880/800 NDA at 42-21-08 / 76-52-06 Replaces fallen tower with shorter one (G)

1560 new Greenville, GA Application for new CP dismissed (D)  
1580 KWED Seguin, TX Application fir U2 1000/1000 has been dismissed. KWED remains U1 1000/249. (D)

#### CONSTRUCTION PERMITS ON THE AIR

820 WGGM Chester, VA operating under a Special Temporary Authorization (STA) with U1 2500/250 due to the "2nd theft of copper ground straps from the (station's) ground system."

1170 KOWZ Waseca, NM Licensed for U7 2500/5 CH 1000, KWOZ is operating under an STA with 60 Watts (non-DA is assumed) due to flooding caused by mid-September heavy rainfall in the area. Also affected are two co-owned FM stations. U2 10000/500.

1290 WCHK Canton, GA U1 5700/32 after moving from 1440 kHz.  
1430 WCWC Williamsburg, KY U4 50000/15000 from two sites. The day pattern uses six towers throwing a long slender lobe to the northeast, while the night signal emanates from nine towers in a long slender pattern to the south-southeast.  
1560 KGOW Bellaire, TX

That's another month of North American news – good DX to all! Andrew

# CENTRAL AMERICAN NEWS

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## Bahamas

1540 ZNS - According to a newscast on ZNS Radio, 1540 should be back in full operation in a few days, but 104.5 will not return. Mike Cooper 28.9.2010 via DXLD

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At last they quit waffling about the fate of 104.5. The transmitter will stay on the air // 1540, not go off the air. Merely its former separate identity as Power 104.5 FM is kaput. Glenn Hauser, DXLD

## Cuba

*The items from Terry L Krueger are accompanied by the following conditions of use: DISCLAIMER FOR ALL LW/MW ITEMS: MW logs may not be read, much less reproduced, by NRC members. When my name is seen, move along promptly to the next item.*

1180 For the record, there are three (and possibly four) Rebelde transmitters on 1180, the primary purpose being to block Radio Martí. Ditto on one occasionally feeding Rebelde FM.

1620 Likewise, there are not two, but three Rebelde outlets on 1620. Two are on the eastern half of the island, and one near Habana (west). They are never in perfect audio synch. And occasionally, one will air Rebelde FM instead of the standard MW feed. Terry L Krueger 15.9.2010 via DXLD

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From <http://www.ecured.cu/index.php/Radiocuba>:

1180 That Radio Cuba MW list is new to me, and very interesting. Since it's jpg and uncopyable, I started to hand copy all the locations for 1180 kHz (really to jam Radio Martí), until I realized there were several in almost every province! Totaling about 35, Radio Rebelde except for one Radio Reloj, in Martí (!), Matanzas, and some `emergency` listings. If all these are really on the air, there should be an even bigger mess on 1180 than Florida monitors are hearing. Of course most are low power and do their job only in a limited radius around their towns. Listings for Holguín and Santiago de Cuba are blurred, so any entries for 1180 or 1620 there may have been missed.

1620 Radio Cadena Habana, Ciudad de La Habana, Guanabacoa, 5 kW

1620 Radio Rebelde, Guantánamo, Guantánamo, 1 kW

I don't think the former programming has been reported on 1620, just two (or more) unsynchronized Rebedes. via Glenn Hauser, DXLD 29.9.2010

# SOUTH AMERICAN NEWS

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## Argentina

730 R. General Güemes – new station “no oficial” – Address: Avenida General Paz No 3755, (B1672AMA) Villa Lynch, Partido de San Martín, Buenos Aires – Web: [www.730am.com.ar](http://www.730am.com.ar)  
E-mail: [guemes730am@gmail.com](mailto:guemes730am@gmail.com) Marcelo A. Cornachioni

1090 R. Popular (BA79) – ex. R. Nuestras Raíces Marcelo A. Cornachioni

1330 New licence in Rosario, Provincia de Santa Fe Marcelo A. Cornachioni

## Brazil

1140 ZYK330 R. e Jornal do Sobral, Butiá (RS73) – ex. R. Sobral web

1320 ZYJ351 CBN, Foz de Iguacu (PR145) – ex. R. Foz web

# THE HOME FRONT

with John Williams

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## Ofcom News

### **Ofcom renews National radio licences for 7 years**

**10 October, 2010**

Regulator Ofcom has published the result of its consultation on the fees for renewing the UK's 3 national radio licences. Classic FM, talkSPORT and Absolute Radio are having their licences renewed for another 7 years, as announced in the Digital Economy Act earlier this year.



In the document, released today, Ofcom acknowledges the extra cost to Global, UTV and TIML of broadcasting its services on digital as well as analogue platforms. At present, Classic FM pays a £50,000 annual licence fee, as well as a percentage of qualifying review (PQR) of 6%. talkSPORT and Absolute pay a £100,000 fee without the PQR charge.

Today's lengthy document sets out the methodology under which the financial terms will be set for the renewed licences. It states that the fees will be consist of an amount which, in Ofcom's opinion, would have been the cash bid of the licence holder were the licence being auctioned for the renewal period rather than renewed - plus a percentage of qualifying revenue (PQR). ([www.radiotoday.co.uk](http://www.radiotoday.co.uk))

### **Plans for Olympic Games radio station scrapped**

**10 October, 2010**

Plans for a short-term digital radio licence to cover the 2012 Olympic Games in London have been scrapped, after Ofcom announced they didn't get enough serious interest from companies wanting to run the services.

Earlier this year the regulator said there wasn't likely to be any space on the FM or AM bands and announced it was looking for 'preliminary expressions of interest' for running services on DAB.



Today a statement from the regulator said: "In total we received ten responses, although a number of these did not relate to providing short-term services on a digital broadcasting platform as requested by our invitation. ([www.radiotoday.co.uk](http://www.radiotoday.co.uk))

## BBC Radio News

### **BBC launches HD Sound for online radio**

**18 October, 2010**

Rapper Plan B will collaborate with Sir Elton John at this year's Electric Proms The BBC has announced plans to launch HD Sound - "an extra high-quality audio stream" - for online radio. It will be available for special live events, starting with Electric Proms on the Radio 2 website this month, and for all Radio 3 output from December. BBC audio and music director Tim Davie said it was "a signal of our commitment to innovate in digital radio".

HD Sound uses improved encoding and higher bit rates to boost quality. The BBC said improvements in sound would depend on the size or quality of speakers or headphones. It said HD Sound also offered a wider dynamic range, accentuating the difference in volume between quiet and loud sounds. It is hoped HD Sound can be incorporated into the BBC's iPlayer and Radioplayer as the technology develops.

## Commercial Radio News

### **TalkSport records highest listening figures**

**27 October, 2010**

UTV Radio has recorded an all-time high audience for talkSPORT, with a weekly reach of three million, and hours up 26 per cent to 22m. The station is also celebrating three programmes on the schedule each pulling in over one million listeners, including the Alan Brazil Sports Breakfast Show, and other daytime shows. The station broadcasts on 1053 and 1089 kHz  
(www.radiotoday.co.uk)

## RSL & LPAM News

Football Club	Station	November 2010	December, 2010
Crystal Palace	Palace Radio 1278 kHz	9 Watford * 13 Coventry 27 Doncaster	11 Hull 26 Norwich
Blackburn	Radio Rovers 1404 kHz	6 Wigan 20 Aston Villa	4 Wolves 18 West Ham 26 Stoke

\*Evening Games

Dave Kenny BDXC-UK reports the following:

**Radio Diamonds 1503 kHz** has been silent so far this season. It may well that they will not broadcast any future games.

**Radio Royal (Falkirk) 1278 kHz** has closed.

**Betar Bangla** the East London Community Station is to launch on 26 December, 2010 on **1503 kHz** with programming for the Bengali Community

## IRISH REPUBLIC

Ireland's new Christian radio station, Spirit Radio, has been given the green light by the Broadcasting Authority of Ireland to commence terrestrial broadcasts in January 2011. The station will launch initially on FM in Dublin, Cork, Limerick, Galway, Waterford and 12-18 months later Spirit Radio will begin broadcasting on AM 612 kHz across the nation. Spirit Radio say is well on the way to raising its capital launch costs.



The medium wave frequency was previously used by national public broadcaster RTÉ from a 100 kW transmitter in Athlone, but Spirit Radio will broadcast from its own transmitter site. (Andy Sennitt via Steve Whitt)

# EUROLOG

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with John Williams

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558	Muravideki Magyar Radio; Nemcavci, ID, News	333	1800	19/ 10	FW
558	Radio Nacional 5, various; News	333	1805	19/ 10	FW
567	Rai Radio 1, various; Talk	333	1750	19/ 10	FW
567	Radio Albatross, East Anglia, UK; relaying Radio Caroline much stronger than normal. Heard from 0730 to gone mid-day.	Good	1220	11/10	SW
585	Radio Nacional, Majadahonda (Madrid); Talk	333	1745	19/ 10	FW
603	France Info, Tramoyes (Lyon); ID News	444	2300	19/ 10	FW
603	România Actualitati, various; News, Talk	222	2309	19/ 10	FW
612	Radio Nacional, various; ID, News	333	0200	21/ 10	FW



621	RTBFi(Le Premiere), Waver-Overijse; ID, Talk, Traffic info	444	1526	1/10	HS
621	Radio Nacional, various; News	222	0205	22/ 10	FW
684	Radio Beograd, Boboviste; folk music ID "Radio Beograd"//1107, 1296	544	1750	06/10	LB
693	BBC Radio 5 Live, various; ID, Sports news	333	1537	1/10	HS
720	WDR 2, Langenberg, ID'; Music, Ads, News	444	0854	12/10	HS
747	Radio 5, Zeewolde, ID; Religious program/music	555	1901	9/10	HS
828	Radio 10 Gold, Heinenoord ; Pop mx, ID "Radio 10 Gold"	544	2040	18/10/	LB
828	Arrow Classic Rock, Heinenoord; ID, Music	555	1300	1/10	HS
828	Radio 10 Gold, Hilversum; ID,Music	555	1339	20/10	HS
828	Radio 10 Gold, Heinenoord; ID, Music	444	1830	19/ 10	FW
846	Radio Radonezh, Electrostal; Talk in Ru, jingle, ID "Radio Radonezh"	433	1821	04/10	LB
846	Radio Radonezh, Electrostal; mx jingle	333	1759	13/10/	LB
846	RTV-Podmoskovje, Electrostal; ID "Podmoskovje"	444	0300	15/10/	LB
855	Radio Norfolk, Postwick; ID, News, Talk	434	1201	13/10	HS
927	Radio Vlaanderen Info, Wolvertem; ID, Traffic info, Sports news	444	1545	1/10	HS
963	Radio Euskadi, Biribilondo; ID "Radio Euskadi y Radio Victoria"	544	0100	15/10/	LB
963	Buzz Asia London; "Your No 1 hit music station for Asian London"	F	1830	18/10	BB
981	R. Star Country Co Monaghan; "Radio Star Country the beat goes on"	Ex	1943	13/10	JW
990	Gold Wolverhampton; Commentary on Wolves v West Ham //1017	F	1505	16/10	BB
1008	GrootNieuwsRadio, Zeewolde; ID, Music, News at 14:00	555	1340	1/10	HS
1017	Gold Wolverhampton; Commentary//1017	F	1505	16/10	BB
1044	Macedonia 1, Perea – ID "Macedonia"	544	0000	13/10/	LB
1053	TalkSPORT, Droitwich; Talk in EE (//1089 vgood!)	444	0000	12/10/	LB
1053	TalkSport, Droitwich; ID, Sport news, Ads	444	1214	13/10	HS
1107	Radio Beograd, Orlovat; ID "Radio Beograd, prvi program"	544	0100	10/10/	LB
1161	Magic 1161 Hull; "Across East Yorkshire and Northern Lincolnshire"	G	1500	16/10	BB
1170	Magic 1161 Stockton; "Magic Gold Weekend"	W	1430	9/10	BB
1197	Absolute Radio, various; jingle, adv //1215, 1233 (!)	333	0000	12/10/	LB
1287	Sanity Radio Egham LPAM; Web site sanityradio.com given	G	1100	12/10	JW
1305	Magic AM Barnsley; "Magic Gold Weekend"	F	1450	16/10	BB
1314.03	Merseyland Alternative Radio; ID mentioned 1314kHz rather than 1386kHz <a href="http://www.mar1386.com">www.mar1386.com</a> ; hear on 31/10 announcing programming up till 2200hours (local time).	Fair	0931	10/10	SW
1323	Gold, Southwick; ID "This is Gold"	444	0000	15/10/	LB
1332	BBC Wiltshire Lacock; "BBC News in the West"	F	1950	4/10	BB
1359	BBC Radio Solent, Shilton; ID "BBC Radio"	333	0500	10/10/	LB
1386	Blast Reading LPAM; "This is Blast"	G	1100	11/10	BB
1386	Radio J-Com, Leeds; with tape loop and repeated announcement on Saturdays (Sabbath)	Fair	1020	23/10	SW
1386	Carillon R, Loughborough; <a href="mailto:admin@carillonradio.com">admin@carillonradio.com</a> announcing text service coming soon	Fair	1024	23/10	SW
1395	Big L, Trintelhaven; ID Music	434	1752	18/10	HS
1395	Energy Radio, Dublin; heard between Big L and Albania	Fair	1814	23/10	SW
1458	Sunrise Radio, Brookmans Park; ID "This is Sunrise Radio"	544	0500	10/10/	LB
1458	Sunrise Radio, Brookmans Park; ID, News	233	1600	1/10	HS
1476	Radio Britannia, Yorkshire; pop music	Fair	1125	10/10	SW
1521	Zender Zanussi near Zwolle, Holland; e-mail address: <a href="mailto:ruiter14@zonnet.nl">ruiter14@zonnet.nl</a> phone: 0-6-20-27-14-01	Good	1124	17/10	SW
1566	County Sound, Peasmarsh ; ID "County Sound"	333	0500	09/10	LB
1566	County Sound, Peasmarsh (Guildford); ID, Music	333	2250	21/ 10	FW
1566	BBC Bristol & Somerset Sound, Taunton; Px 5Live	333	2300	21/ 10	FW

1566	BBC Somerset Taunton; Local news	F	1900	15/10	BB
1584	Rai Radio 1, Terni; ID, News	333	0200	19/ 10	FW
1584	Radio Tay, Friarton Road (Perth); ID, Rock Music	222	0210	19/ 10	FW
1602	Euskadi Irratia, Cerro Estibaliz; ID "Euskati Irratia Radio Vitoria"	444	0500	09/10/	LB
1602	Euskadi Irratia R. Vitoria Cerro Estibaliz; ID, News	444	0200	19/ 10	FW
1620	Radio Tower, near Markelo, NL; IDs phone: 06 - 51 85 85 51 E-mail: <a href="mailto:radiotower@home.nl">radiotower@home.nl</a> "Het mooiste geluid op AM, dit is Radio Tower, dit is Radio Tower"	Vg	0920	24/10	SW
1665	Old Timer Radio, Oldtimer Radio talking to "de centrale amateur", giving signal reports, telling about the bad weather and also giving a signal report to "de oude strandjutter" and "de oude James Bond"	Good	0936	24/10	SW
1645	UNID: Dutch pirate; The station on 1645 identified as "De vrolijke mijnwerker" and gave a signal report to an other pirate "de zender Henny Veldwijk" giving signal reports. Strange name because Henny Veldwijk is the name of a person.	Fair	0939	24/10	SW

Many thanks to:

BB	Bernard Brown Sutton In Ashfield Notts; Sangean DT-400W <i>Ultralight</i>
FW	Friedhelm Wittlieb, Lünen, Germany ; Grundig Satellite 700 with martens fram-antenna,
HS	Henk Stelte Utrecht Netherlands; Winradio G313e Grahn GS5-SE
LB	Leonardo Bolli Matelica (MC), Italy; RfSpace Sdr-Iq, Kenwood R-5000; Wellbrook ALA1530S+
JW	John Williams Hemel Hempstead; Tecsun PL-310 Inductive loop
SW	Steve Whitt, York (with thanks to Max van Arnhem for help with the Dutch IDs.

**I am away for the next deadline and Herman Boel (email address: [herman@hermanboel.eu](mailto:herman@hermanboel.eu)) has offered to undertake the Eurolog column. Please let him have your logs by 26 November, 2010**

### A quick Dutch Pirate Bandscan (courtesy Benelux DX Club)

<u>kHz. Transmitter ITU</u>	<u>date UTC</u>	<u>details</u>
1503 Radio 0511 HOL	19/09 0930	Engelse px, vele oude zeezender jingles
1512 Starlight HOL	09/10 0730	Nederlands talige px
1512 Arabier HOL	09/10 1115	Engels talige px
1512 Zanussi HOL	19/09 0645	Nederlands talig programma
1521 Atlantis HOL	19/09 0700	Koffie met Kees, <a href="http://www.atlantisradio.eu">www.atlantisradio.eu</a>
1521 Europa HOL	19/09 1315	Pop mx /ID / div time's
1539 WMBR HOL	19/09 1200	oude zeezender opnames
1620 Combinatie F16 HOL	01/10 2119	ZO-Gld, 2214 off air
1620 Silvia uut Emm'n HOL	02/10 0735	rapport voor havana en Black Arrow
1620 Zonnester HOL	03/10 0830	ID / QSO stations / mx
1620 Blauwe Engel HOL	04/10 2014	platenprogramma
1620 Radio Tower HOL	05/09 0852	Radio Tower uit Markelo, muziek
1620 Blauwe Piraat HOL	08/10 0520	platenprogramma
1620 Sterrenkijker HOL	08/10 1430	gevarieerde px
1620 Black Bird HOL	16/09 1345	rapport voor Firebird
1620 Valencia HOL	16/09 1735	px voor Eskimo en 't vrouwtje zijn 44 jaar getrouwd
1620 Zonnester HOL	17/10 0730	Verzoeken hol mx / ID 55555 LvKh
1620 Antonio HOL	18/09 0636	Mx, QSO Flevojager, ID uit Elburg 34443 WT

<b>kHz. Transmitter ITU</b>	<b>date UTC</b>	<b>details</b>
1620 Frieloo HOL	18/09 0739	ID, QSO Radio Antonio, Muziek 34443 WT
1620 Zonnester HOL	19/09 0521	QSO Radio Wipkikker, Muziek 23432 WT
1620 Calypso HOL	22/09 1904	platenprogramma 55555 JMn
1620 Hooiberg HOL	26/09 1954	Hol talk /mx / ID / QSO 55555 LvKa
1628 Zwarte Gans HOL	16/09 1450	rapport voor Black Bird & Firebird 35544 JMn
1630 Dr. Blow HOL	02/10 0740	rapport voor diverse amateurs 55555 JMn
1630 Mackintosh HOL	06/10 0440	rapport voor Tornado 42542 JMn
1630 Brandaris HOL	12/09 1940	Nederlandse mix 35454 JMn
1630 Nova 4 HOL	14/09 1805	QSO Torpedojager, muziek, ID 33333 WT
1630 Brandaris HOL	17/09 1932	Mx / ID / QSO rapporten / 30 dB demping 55555 LvKa
1630 Musky HOL	18/09 0552	verbonden met het toestel van de Ouwe Musky
1630 *N.W.C. HOL Combinatie	18/09 0611	QSO Musky, ID uit noord-west overijssel, * Noord- West
1630 Batavier HOL	19/09 1759	ID, beetje feedback over de Microfoon 45554 WT
1630 Orban HOL	26/09 2020	Engelse programma 45544 JMn
1630 Eskimo HOL	28/09 0505	plaatjes en praatjes door de ouwe 45555 JMn
1630 zender Johan HOL	30/09 1440	rapport diverse amateurs 45555 JMn
1630 Utopia HOL	08-10 1030	rapport diverse amateurs 35555 JMn
1632 Theonex HOL	06/10 0510	rapport voor R. Noordzee 35533 JMn
1632 Zwarte Non HOL	15/10 1905	Eng + hol mx / ID 43323 LvKh
1635 Radio Noordzee HOL	06/10 0455	platen px 35533 JMn
1635 Havana HOL	16/09 0810	rapport voor diverse amateurs 45555 JMn
1635 Westerwolde HOL	16/09 1210	rapport voor Zeelandia & Nachtpiraat 35454 JMn
1635 Weduwe HOL	26/09 2006	Hol mx / ID / QSO 32222 LvKa
1635 R. Salamander HOL	29/09 2005	gevarieerde px 35544 JMn
1636 Havana HOL	02/10 0715	roept en vraagt om rapport 45555 JMn
1636 Black Arrow HOL	02/10 0720	met raaport voor Havana 35544 JMn
1636 Del Mare HOL	10/10 0503	ID, Muziek, (Who Song ) vraagt rapport 55555 WT
1636 Weduwe HOL	26/09 1830	Nederlandstallige px 35544 JMn
1637 Calypso HOL	27/09 1807	Keihard signaal, QSO Baro, Orion, Napolion 45554 WT
1637 Barones HOL	30/09 1830	ID, QSO diverse, allen bedankt voor rapport 34443 WT
1638 Telstar HOL	16/09 1220	rapport voor Zeelandia, Nachtpiraat & Westerwolde JMn
1638 Manolito zender HOL	25/09 0856	Muziek, ID, vraagt rapport 34443 WT
1640 Barcelona HOL	02/10 0626	QSO diverse Amateurs, Muziek 34443 WT
1640 Apollo 815 HOL	02/10 0648	ID vanuit Alkmaar, QSO diverse 34443 WT
1640 Noorddijk HOL	13/09 1330	gevarieerd programma 35555 JMn
1640 Nimmerzorg HOL	13/09 1650	rapport voor Zeelandia 55555 JMn
1640 Prof Sikbok HOL	15/10 2117	Polka mx / ID / QSO 55555 LvKh
1640 Alpenjager HOL	17/09 2210	zoekt verbinding 45555 JMn
1640 Kleine Jopie HOL	30/09 1246	Rapport voor Amigo, Telstar, Kleine Vogel 35555 JMn
1642 Concordia HOL	16/09 0805	rapport voor Torpedojager & Kleine Vogel 35544 JMn
1645 Stormvogel HOL	02/10 0636	Muziek, QSO diverse Amateurs 34543 WT
1645 Wadloper HOL	12/09 1920	Engelse mix 34454 JMn
1645 Hennie Veldwijk HOL	16/10 0741	Mx / ID / QSO 55555 LvKh
1645 Torpedojager HOL	16/09 0755	jaren '40 mix 24544 JMn
1645 Kleine Vogel HOL	16/09 0800	rapport voor torpedojager 34554 JMn

<b>kHz. Transmitter ITU</b>	<b>date UTC</b>	<b>details</b>
1645 Billy de Bluffer HOL	16/10 0910	Tirol mx / ID / test 44444 LvKh
1645 Euromast HOL	17/09 2230	rapport voor diverse amateurs 35533 JMn
1645 Wilskracht HOL	17/09 2245	roept en vraagt om rapport 34533 JMn
1645 Zwarte Barbier HOL	27/09 1324	QSO Pandora, Charly, bl. Boer, muziek. WT
1645 Boer Koekoek HOL	30/09 1348	rapport voor Noorddijk 35555 JMn
1646 Zeelandia HOL	16/09 1220	rapport Westerwolde & Nachtpiraat 55555 JMn
1646 Zwarte Boekanier HOL	30/09 1445	rapport voor diverse amateurs 35555 JMn
1648 Foekje + Viking HOL	26/09 2012	Foekje talk / platen enz 22222 LvKa
1650 Hemmeling HOL	02/10 0643	QSO Kleine Jopie, muziek 34443 WT
1650 Digitaal HOL	16/10 0737	Hoempa mx / ID / QSO 54444 LvKh
1650 Viking & Foekje HOL	18/09 1824	Muziek, Tante Foekje zingt mee. WT
1651 Barones HOL	17/09 2216	rapport voor Alenjager 33543 JMn
1652 Napolion HOL	03/10 1829	Muziek, ID vanuit Noord-Oost Nederland 34443 WT
1652 Nova 4 HOL	05/10 1804	ID, nova4@hetnet.nl , QSO diverse Amateurs 34443 WT
1652 Transparant HOL	09/10 0736	Hoop dat ik een beetje doorkom? Groeten 33333 WT
1652 Napoleon HOL	12/09 1935	Nederlandse mix, ID in diverse talen, 34454 JMn
1652 Nachtpiraat HOL	16/09 1220	rapport voor Zeelandia & Westerwolde 35454 JMn
1652 Jeneverstoker HOL	17/09 2235	rapport diverse amateurs 44554 JMn
1652 Vrolijke Mijnwerker HOL	17/09 2246	rapport voor diverse amateurs 34533 JMn
1653 Kristal HOL	15/10 2121	Germen + hol mx / ID / QSO 55555 LvKh
1654 Admiraal HOL	09/10 1856	Muziek, ID, groet diverse vrienden 34443 WT
1654 Vrolijke Mijnwerker HOL	15/10 2150	Hol + eng mx / ID 55555 LvKh
1654 Kaaiman HOL	17/10 0837	Mx / ID / talk/ QSO 33333 LvKh
1654 Monte Carlo HOL	17/09 2245	rapport voor diverse amateurs 24533 JMn
1654 James Bond HOL	18/09 1822	QSO Oldtimer Radio, Boer Krelis, Muziek 34443 WT
1654 Nova 4 HOL	24/09 1607	QSO diverse, vraagt rapport, 06-25170170 34443 WT
1655 IJsvogel HOL	01/10 2105	QSO 23232 JGa
1655 Driland HOL?	01/10 2129	QSO, music 34323 JGa
1655 Napoleon HOL	01/10 2135	QSO 34323 JGa
1655 Santana HOL	02/10 0635	ID, QSO Kleine Jopie, diverse 35553 WT
1655 James Bond HOL	16/09 1810	px samen met Boer Knelis 45555 JMn
1655 Corona HOL	19/09 1000	gevarieerd programma 35555 JMn
1655 Amigo HOL	30/09 1240	rapport voor Kleine Vogel, Telstar, Kleine Jopie JMn
1658 Firebird HOL	16/09 1315	testuitzending met nieuwe 45 meter draadantenne JMn
1660 Karel Doorman HOL	09/10 0635	px met plaatjes uit de jaren '50 en '60 35544 JMn
1660 R. Scotland Int. HOL	09/10 1128	- 45454 JGa
1660 Orion HOL	19/09 0735	QSO diverse Amateurs, Muziek. WT
1660 Transparant HOL	28/09 1812	QSO diverse Amateurs, Super Signaal 45554 WT
1660,20 Radio James Bond HOL	24/09 1744	ID, schlager mx 54343 HBo
1664 Kleine Jopie HOL	02/10 0632	QSO zender Hemmeling, muziek 34443 WT
1665 Armada HOL	03/10 0657	ID, Muziek, QSO diverse amateurs 34443 WT
1665 Relmus HOL	17/09 2240	Engelse px 35544 JMn
1665 Oldtimer Radio HOL	18/09 2000	gevarieerde px 35444 JMn
1665 Armada HOL	21/09 2115	Engelstallige px 35544 JMn
1512 Zanussi HOL	03/10 0643	Muziek, bijna non stop 44444 WT
1675 Orion West HOL	19/09 0730	Muziek, QSO Del Mare 34443 WT

# WORLD NEWS

(Europe, Asia, Africa)  
with Ton Timmerman

H. Heijermanspln 10, 2024 JJ Haarlem, The Netherlands  
e-mail:world-news@mwcircle.org

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Hello radiofriends,

Just arrived from a DX-pedition in Scotland (Inverchandlick near Braemar). Nice conditions there in comparison with my location at the westside of Haarlem, were I live. One of us did a lot of experiments with his Perseus. He tried to convince me to buy one for myself. I am also examining the possibilities of the new Excalibur.

## India

Today morning (14 Oct 2010) I followed TWR, Puttalam, Sri Lanka sign off on 882 kHz at 0130 UTC and then tuned to 873 KHz. Within a minute the carrier appeared and Family Radio program in Tamil started. Thanks to the tip by Mr.C.K.Raman who heard them at 0230 in Malayalam at 0400 in English. Tamil & Malayalam are languages used in South India which is just North of Sri Lanka. I searched in the WYFR website but could not get any info on this new transmission. (*Jose Jacob via DXLD*)

## Netherlands



De Dutch Radio 10 Gold returns on Monday (10/18) on the frequency of Arrow Classic Rock 828 kHz. More info on <http://www.radio10gold.nl/headlines/radio-10-gold-weer-op-am/> . (*Hugo Matten*)

## Norway

The Vigra transmitter on 630 will be turned off on 30 June 2011. Demolition of the facilities will start immediately after the closure, the station grounds are to be cleared until yearend 2011. The Røst island transmitter on 675, inaugurated as replacement for the Bodø facility not before 1999, will be closed on 31 Dec 2012. <http://norkring.no/templates/page.aspx?id=500> (illustrated)

So as of 2013 the only remaining AM transmitter in Norway will be the 153 kHz longwave outlet near the Nordkapp. Unless, of course, NRK decides to drop 153 as well. I would not count on it running much longer, since I see no reason for giving up the Norwegian Sea coverage from the Vigra and Røst transmitters but keeping the longwave service for the Barents Sea. This coverage is the only reason why NRK still uses the transmitters at all.

These developments also raise questions about the fate of the **MW-antenna at Vigra**



Kvitsøy site. It is still the operational centre for Norkring's

AM operations, with the 153/630/675 transmitters being remote-controlled from there. I understand that all transmitters on Kvitsøy are still being kept in operational condition, the two S 4006 units for 1314 kHz as well as the S 4005 and, probably moved in from Sveio, also S 4105 shortwave equipment. But the mediumwave transmitters are unused for years now, after a special RNW relay as so far last transmission, and all that is left on shortwave are 30 or 60 minutes a day of DRM. So still maintaining all this equipment means basically burning up money. The 232 metres mast on Vigra island is considered a threat to air safety, already in 2007 requests to remove it have been reported. Thus the site will be demolished immediately after the closure.

[http://www.nrk.no/nyheter/distrikt/more\\_og\\_romsdal/1.4290865](http://www.nrk.no/nyheter/distrikt/more_og_romsdal/1.4290865) .

The antenna of the site, modernized in 1985 with a new transmitter (I assume it is a S 4002 and it is still in use): <http://www.waniewski.de/MW/Vigra/index.htm>

Here are photos of the 675 kHz Røst transmitter, which reuses the mast of a Decca transmitter (127.1 kHz) that had been shut down in 1997: <http://northernstar.no/rost.htm> . (*Kai Ludwig via DXLD*)

NRK turns off MW: I am quite sure that the days of Ingøy 153 are numbered as far as Norkring is concerned, but I think it will take a few years. There are several reasons why Ingøy is a better choice than Røst and Vigra:

- 1) Much larger area to cover,
- 2) year-round activity by large and small vessels in very hostile waters,
- 3) satellite reception difficult due to latitude (and most small vessels don't have sat reception),
- 4) FM is no real alternative near the coast due to small transmitters,
- 5) much less interference (especially compared to Røst).

That said, I don't really know how many fishing vessels routinely listen to 153. For weather info, it isn't needed as it is supplied from a network of coastal radio stations on upper MF. And the three mobile phone networks (two GSM, one 450 MHz) now cover up to 50-200 km offshore where the small vessels operate. Ingøy 153 gives excellent coverage inland too by the way, when driving roads without proper FM coverage. Though I suppose that won't be part of the equation when they decide the future of Ingøy.

I wonder how long the 1 kW 1485 kHz station in Longyearbyen, Svalbard will operate. It is probably too weak to be of any use for the fishing fleet outside Svalbard, and Longyearbyen itself has full FM coverage. (*Bjarne Mjelde via DXLD*)

## Sweden

R Sweden Final Broadcast on AM 1179: I first listened to this frequency back in 1969, on an old transistor radio. Many years ago I would have "QSL'ed" the contact, but 40 years on I won't be bothering. However, for the group.... Now operating a 25 yr old Trio R2000 with 80' wired dipole at 30' above ground. Program content - Intro, News, Review, George Wood Special look back at the stations history at 1630 - 1700 GMT SINFO 23232 SIO 222 The final scheduled English transmission (2130-2200) was not in English. It sounded like Swedish, with TX leaving air at 21:59 2130 - 2200 GMT SINFO 44343 SIO 333. (*Keith via DXLD*)

Sölvesborg 1179 kHz: The station is now available to hire airtime to private broadcasters. I'm now open to partners of starting up a new private station at the existing site with a private 50kW's TX at the same frequency. (*Roy Sandgren via Mediumwave.Info*)

That's all for this month. Don't hesitate to send in your tips to me for the next bulletin. This bulletin is for you, but also made by you!

# DX LOGGINGS

✉ Glackin, 199 Clashmore, Lochinver, Lairg, Sutherland IV27 4JQ, Scotland  
with Martin Hall e-mail: [dxlogs@mwcircle.org](mailto:dxlogs@mwcircle.org) ☎ 01571-855360

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
530	CMBQ	R Enciclopedia, La Habana; weak ID in SS	222	0501	14/9	MDe
530	CMBQ	Radio Enciclopedia, La Habana; music, fem SS ann	252	0622	21/10	MvA
531		Alger Chaîne 1, Algeria; ID, news, music	444	2300	18/10	FW
540	WFLF	Pine Hills FL; "Breakfast with the Gators" ad, mentions of Orlando; dominant in mix	G	0349	3/10	PL
540	WFLF	Pine Hills FL; Fox News then weather forecast "topping out in the lower eighties" on "5-40 WFLA"	F	0606	6/10	AB
550	WKRC	Cincinnati OH; IDs "55 WKRC in Cincinnati now a 30-30 Fox News Update on 55 KRC The Talk Station"	F	0700	4/10	mah
550	CMBA	R Rebelde, 3 sites listed; // 670 kHz faded at toth	W/F	0658	24/10	PC
550	YVKE	Mundiale, Caracas; "Transmite mundiale" ID; tnx Henrik K	322	0605	14/10	MDe
555	ZIZ	Basseterre, St Kitts; news by male	322	0517	22/9	MDe
560	WQAM	Miami FL; "5-60 WQAM Miami Fort Lauderdale" under WGAN	F	0700	7/10	mah
560	WGAN	Portland ME; "On News Radio 5-60 WGAN"	W	0600	1/10	AB
560	WGAN	Portland ME; news by male and female	322	0558	2/10	MDe
560	KMON	Great Falls MT; country mx, ID "Big Sky Country, 5-60 KMON", under WGAN	F	0659	4/10	mah
570	WMCA	New York NY; "AM 5-70 WMCA, New York's Christian home" then a paid programme about the brain and memory loss	F	0600	6/10	AB
570	WSYR	Syracuse NY; "This is News Radio 5-70 WSYR Syracuse – it's 3 o'clock"	F/G	0700	5/10	mah
570	WSYR	Syracuse NY; OM with web site "www.WYSR.com"	F	0500	23/10	JW
570	CMBD	R Reloj, Santa Clara; SS news	322	0502	14/9	MDe
570	CMBD	Radio Reloj, Santa Clara; SS YL, TS, ID	242	0548	1/10	MvA
580	CFRA	Ottawa ON; news talk radio	322	0536	26/9	MDe
580	CFRA	Ottawa ON; "53 years of Ottawa news heritage, 5-80 CFRA"	F	0600	3/10	AB
580	CFRA	Ottawa ON; OM "When news breaks there is only one radio station in Ottawa with the experience and trust, News talk Radio 580 CFRA"	G	0630	16/10	JW
580	CFRA	Ottawa ON; ads, Ottawa news; "Talk Radio 5-80 CFRA"	Fpks	0032	28/10	SW
580	WKAQ	San Juan PR; SS ID "WKAQ 5-80 AM"	W	0606	6/10	AB
580	WKAQ	San Juan PR; SS male ann, ad, ID, website; <b>personal first</b>	243	0600	14/10	MvA
580	WKAQ	R Reloj, San Juan; full ID by female in SS	322	0601	17/10	MDe
580	WKAQ	San Juan PR; "Puerto Rico se informa an WKAQ 5-80"	G	0700	21/10	PC
590	VOCM	St John's NL; songs VOXM // 620 kHz	332	0110	14/9	MDe
589.98	VOCM	St John's NL; "VOXM" IDs, country songs/mx	F	0354	30/9	Rha
590	VOCM	St John's NL; YL "... all of us here at 590 VOXM"	F	0602	2/10	JW
590	XEPH	Sabrosita, México DF; SS IDs "Sabrosita 590"	F	0659	4/10	mah
594		IRIB various locations, Iran; Farsi px	343	2046	21/10	MvA
594		IRIB1, either Shiraz or Zahedan, Iran; OM in talk with YL // 684, 711 kHz	G	1900	22/10	PL

<b>kHz</b>	<b>Callsign</b>	<b>Station, location; details heard etc</b>	<b>SIO</b>	<b>UTC</b>	<b>Date</b>	<b>Who</b>
594		Radio Mayak, Vladikavkaz, Republic of North Ossetia-Alania; interval signal under Iran	W	1900	22/10	PL
600	CBNA	St Anthony NL; CBC News	322	0503	26/9	MDe
600	CJWW	Saskatoon SK; CP News, "CJWW Environment Canada forecast"	Gpks	0703	4/10	mah
600	CMKV	Radio Rebelde, Urbano Noris; Latin rhythms, IS & news	W/F	0600	3/10	BD
600	CMBA	R Rebelde, Urbano Noris ; SS talks and tune from Cuba	222	0603	14/10	MDe
600	CMBA	R Rebelde, Urbano Noris; // 670 kHz "Rebelde, La Habana"	W/F	0700	24/10	PC
610	WIOD	Miami FL; "... Florida Eagles News Radio 6-10 WIOD Miami Fort Lauderdale streaming live twenty-four seven at wiod.com"	F	0600	25/9	AB
610	WIOD	Miami FL; ID out of Coast to Coast	G	0320	3/10	PL
610	WIOD	Miami FL; "News Radio 6-10 WIOD Miami Fort Lauderdale"	W/F	0500	5/10	PC
610	CHNC	New Carlisle QC; EE/FF pops // 1150 kHz	F	0600	4/10	BD
610	CHNC	New Carlisle QC; FF talk and EE pops	F	0608	16/10	JW
610	CHNC	New Carlisle QC; French talk & pops; little did I realise that the fair station was closing down in a couple of days		2346	28/10	SW
612		RTM, Sebaâ-Aioun,, Morocco; religious px	333	0210	21/10	FW
620	WDAE	St Petersburg Beach FL; "6-20 WDAE" then Fox Sports News	W	0600	1/10	AB
620	WTMJ	Milwaukee WI; "News Radio 6-20 WTMJ and WTMJ HD"	W	0700	11/10	PC
620	VOCM	St John's NL; "VOCM the Voice of the Common Man with Paddy Daly"; note at 0027 UTC 650, 620 and 590 all had separate advert feeds before the news	G	0024	7/10	SW
620	XENK	R 620, México DF; SS ID "XENK Radio 6-20, ... Colonia Roma en la capital ... de la república mexicana ..."; xf CKCM	Gpks	0659	7/10	mah
620	CKCM	Grand falls NF; OM/YL "VOCM" ID // 590 kHz	W	2218	15/10	JW
620	CMBA	R Rebelde, 2 locations, Colon, Moa; // 670 kHz faded by both Voice of the Arabs, Batrah, Egypt; ID "Sawt al-arab min al-qahira"	F	0658	24/10	PC FW
621		RTT, Tunis-Djedeida, Tunisia; talk, music	444	0200	22/10	
630		RTT, Tunis-Djedeida, Tunisia; talk, music	333	1815	19/10	FW
640	CBN	St John's NL; CBC News	322	0556	7/10	MDe
650	WSM	Nashville TN; country music & "wsmonline.com"	W	0557	4/10	BD
650	WSM	Nashville TN; ads, weather report; sung ID "WSM" also sung "The Legend"	W/F	0638	22/10	JW
660	WFAN	New York NY; full ID "WFAN New York"	333	0535	27/9	MDe
660	WFAN	New York NY; ID "Weather in Central Park 57 degrees, WFAN"	W	0606	4/10	JW
660	WFAN	New York NY; sports comments on "Fan Sports 66"	W	0407	8/10	Rha
660	CFFR	Calgary AB (pres); sports news & talk of Toronto sports, no ID	F	0416	30/9	Rha
660	CFFR	Calgary AB; "Calgary's only all news radio station. 6-60 News"	W/F	0600	4/10	PC
660	CFFR	Calgary AB; wx, ID "6-60 News is CFFR, a division of Rogers Communications"	F/G	0700	4/10	mah
660	CMBA	R Rebelde, Santa Clara; SS, cultural programme and Cuban info	W/F	0442	17/10	Rha
670	KBOI	Boise ID; "... Sean Hannity on News Talk 6-70 KBOI"	W	0700	6/10	mah
670	CMBA	R Rebelde, Arroyo Arenas; news in SS about Cuba	332	0445	14/9	MDe
670	CBMA	Radio Rebelde, Arroyo Arenas; SS talk and music // 1620 kHz	F	0540	23/10	JW
675		Radio Jamahiriya, Benghazi, Libya; talk	222	1825	19/10	FW
680	KBRW	Barrow AK; light mx, ID "You're listening to KBRW 6-80 AM Barrow and kbrw.org"; also Gpks 1400 21/10	G	0800	15/10	mah



kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
680	WRKO	Boston MA; PSA about reading from the Massachusetts Teachers Association then ID ending "6-80 WRKO Boston"	W	0600	25/9	AB
680	CJOB	Winnipeg MB; "We'll return to Coast to Coast on The Superstation CJOB 6-80 in Winnipeg", under CFTR	W/F	0700	1/10	mah
680	CFTR	Toronto ON; news letter from Toronto	332	0502	14/9	MDe
680	CFTR	Toronto ON; "6-80 news time 2.01. Traffic and weather on the ones"	F	0704	3/10	JW
680	CFTR	Toronto ON; "News Radio 6-80 News"	G	2351	7/10	SW
684		IRIB1 Mashaad, Iran; OM in talk // 594 kHz	F	1900	22/10	PL
700	WLW	Cincinnati OH; news	322	0442	14/9	MDe
700	WLW	Cincinnati OH; OM "WLW news time 2.04"	W	0704	3/10	JW
700	WLW	Cincinnati OH; American truckers talk show3, "7 hundred WLW Cincinnati" & WLW news	W	0557	22/10	BD
700	HCRS2	R Sucre, Guayaquil; local music, poor SS ID "En ... Guayaquil ... Radio Sucre..."; then ad for "La Pampa", followed by a clear "Radio Sucre" ID, anns, and several more IDs, promo etc	Fpks	0600	19/10	mah
710	CMDE	R Rebelde, La Julia; ID, time and pips and talks in SS	322	0603	11/10	MDe
711		IRIB1 Ahwaz, Iran; listed here // 594 kHz in France fade down	F	1900	22/10	PL
720	WGN	Chicago IL; weather from the WGN Weather Centre behind BBC R4	W	0606	1/10	AB
720	WGN	Chicago IL; under BBC pips "It's 1 o'clock. With the news here it's (name?). Partially cloudy and 43 at O'Hare"	W/F	0600	4/10	PC
730	CHMJ	Vancouver BC; Vancouver traffic info, "am730.ca"	W	0930	21/10	mah
730	CKAC	Montreal QC; French talks and music	322	0145	16/9	MDe
730	CKAC	Montréal QC; jingle, music	343	0603	22/10	MvA
730	CKAC	Montréal QC (presumed); continuous EE pops through toth; BDG says this is their overnight format		0600	23/10	JW
730	CKAC	Montreal QC; French sports ads mention Laval	vG	0043	28/10	SW
730	XEX	Radio W, México DF; SS sports commentary, ID at 0702 "Escucha ... Radio W ... Radio W ... Radio W"; xf presumed CKAC	Gpks	0700	4/10	mah
740	CBX	Edmonton AB; "This is the CBC News"	Fpks	1000	21/10	mah
740	CFZM	Toronto ON; full ID	333	0540	26/9	MDe
740	CFZM	Toronto ON; OM "The oldies show .. hold on" then more oldies	F	0619	15/10	JW
747		IRIB1 Bandar-e-Torkaman, Iran; xf Holland	W	1900	22/10	PL
750	WSB	Atlanta GA; "Newstalk 7-50 WSB Atlanta" in CBGY pause	W	0500	26/9	AB
750	CBGY	Bonavista Bay NL; CBC News	332	0102	3/10	MDe
750	CBGY	Bonavista Bay; local ID "You're listening to CBC Radio 1, 6-40 St John's"	F	2358	5/10	SW
750	CBGY	Bonavista Bay NL; music then ID "This is CBC News"	Ex	0600	15/10	JW
760	WJR	Detroit MI; ads then ID "On Media network (?) and WJR"	W	0622	15/10	JW
760	WCHP	Champlain NY; "WCHP" heard in YL announcement – rest difficult to understand; <b>daytimer</b>	W	2302	29/9	AB
760	WCHP	Champlain NY; "Listen to Haven Ministries, Monday thru Fridays at this time on WCHP Champlain"; at 2302 "WCHP Champlain now concludes this broadcasting day ..."; <b>daytimer</b>	Gpks	2258	30/9	mah
760	WCHP	Champlain NY; back to back music until end of programme at 2215; many references to WCHP in closedown announcement; <b>daytimer</b>	Gpks	2157	30/10	SW

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770	WABC	New York NY; "News on 77 New York "	332	0314	3/10	MDe
770	WABC	New York NY; ads including one for New York company	F	0632	18/10	JW
770	CHQR	Calgary AB; CHQR jingle then "AM 7-70 CHQR, news, talk, sport"	F	0600	4/10	PC
770	CHQR	Calgary AB; jingle, then ID "The news you needs to know, the news you need to talk about. AM 7-70 CHQR, a Corus Entertainment company"	G	0700	4/10	mah
770	CMBA	R Rebelde, unknown location; "Rebelde, La Habana"	F	0700	24/10	PC
770	HJJX	RCN, SF de Bogotá; SS talks by male and female ID "RCN"	322	0600	15/10	MDe
780	WBBM	Chicago IL; "This is Chicago's all news station 7-80 News Radio WBBM WBBM HD Chicago" WBBM sports & CBS News	W	0559	3/10	BD
780	WBBM	Chicago IL; OM "WBBM news time 1.09"	F	0609	22/10	JW
780	XEMTS	R Fórmula, Tampico; SS anns, ID "9-70 AM Radio Fórmula. Desde la ciudad de México para todo el pais y los Estados Unidos XERFR Radio Fórmula"	Gpks	0659	4/10	mah
790	WAXY	South Miami FL; "You're listening to the most important radio station in the history of the world ... WAXY South Miami 7-90 The Ticket" then ESPN	W	0500	26/9	AB
790	WAXY	South Miami FL; Fox sports & quick "WAXY South Miami"	W/F	0600	4/10	BD
790	CFCW	Camrose AB; country mx, ID "CFCW" ID	Gpks	0704	1/10	mah
790	CFNW	Port au Choix NL; "Today on CFNW" with news	332	0520	16/9	MDe
790	CMAQ	Radio Reloj Pinar Del Rio; OM with rolling SS news over ticking clock	W/F	0600	4/10	BD
800	VOWR	St John's NL; "from Monday to Friday only on VOWR"	332	0543	20/9	MDe
800	VOWR	St John's NL; "You're listening to radio station VOWR in St John's, 800 on your AM radio dial"; <b>personal first</b>	W	2159	29/9	AB
800	VOWR	St John's, NL; music; male ID; <b>personal first</b>	242	0549	1/10	MvA
800	VOWR	St John's NL (presumed); country songs OM with details of music then "Rose Garden"; under SS talk	W	0628	25/10	JW
800	PJB	TWR Bonaire; light elevator music & SS OM with "Radio Transmundial"	F	0557	12/10	BD
800	PJB	TWR Bonaire; ID "Transmitiendo desde Bonaire, Antiles Olandes"	322	0601	15/10	MDe
800	PJB	TWR Bonaire; continuous music; fading just at toth	343	0555	17/10	MvA
810	CJVA	Caraquet NB; country mx, FF anns, ID "CJVA huit cent dix"; obliterating Radio Scotland at times	G/vG	0604	2/10	mah
820		TBN Charlestown, Nevis; Gospel songs; good	332	0520	23/9	MDe
820	KCBF	Fairbanks AK; ESPN Radio, ID "KCBF Fairbanks, an NNB radio station", heard in gap in 810 R Scotland splatter; also W 0800 15/10	Fpks	1100	21/10	mah
820	WNYC	New York NY; Monday – Friday NYC programme promo & soft pops	W	2302	30/9	BD
820	WBAP	Fort Worth TX; "The Midnight Radio Network on Newstalk 820 AM and 96-7 FM WBAP"	W	0606	28/9	AB
820	WBAP	Fort Worth TX; Midnight Radio Network. "8-20 AM 96.7 FM (static) WBAP Fort Worth, Dallas"	W/F	0700	7/10	PC
820	WBAP	Fort Worth TX; "8-20 AM 96.7 FM WBAP Fort Worth Dallas" & WBAP news	W	0500	10/10	BD

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820	KGNW	Burien-Seattle WA; "8-20 AM KGNW Burien Seattle Tacoma, a service of Salem Communications"	F	0700	6/10	mah
830	WCRN	Worcester MA; full ID	322	0540	20/9	MDe
830	WTRU	Kernersville SC; "AM 8-30 WTRU, Kernersville, Winston-Salem, Greensboro, High Point, Burlington" in WCRN silence; <b>personal first</b>	W	0600	7/10	PC
840	WHAS	Louisville KY; "84 WHAS" & Fox News	W/F	0600	7/10	BD
840	WHAS	Louisville KY; sung "84 WHAS Louisville" ID then Fox News	G	0600	9/10	AB
840	CMHW	Doblevé, Santa Clara; nice SS ID "Esta es Doblevé desde Santa Clara en el centro de Cuba"	F/G	0700	16/10	mah
840	CMHW	Doblevé, Santa Clara; "Esta es Dobleve, desde Santa Clara en el centro de Cuba"	F	0700	24/10	PC
840	4VEH	Cap Haitien (presumed); light religious songs, FF anns, "Il est six heures"	F/G	2300	30/9	mah
846		IRIB Sarasaye, Iran; Farsi male talks	232	1704	21/10	MvA
850	WFTL	West Palm Beach FL; "A great newstalk radio station, Florida's 8-50 WFTL West Palme Beach" behind WEEI	W	0600	9/10	AB
850	WEEI	Boston MA; ESPN news about Arizona	332	0515	19/9	MDe
850	WEEI	Boston MA; "Sports Radio 8-50 WEEI Boston"	F	0400	2/10	JW
850	WKNR	Cleveland OH; difficult ID "Your home for ESPN Radio ... ESPN 8-50 WKNR Cleveland ..."	W	0700	4/10	mah
860	CJBC	Toronto ON (presumed); YL FF talk	W	0627	22/10	JW
870	WWL	New Orleans LA; "The news talk and sports leader, the doable 8-70 WWL New Orleans 105-3 WWL FM" & CBS News	W/F	0600	8/10	BD
870	WWL	New Orleans LA; ads then ID "News Talk Radio WWL"	F	0604	18/10	JW
880	<b>WZAB</b>	<b>Sweetwater FL; "8-80 The Biz. WZAB, Miami, Fort Lauderdale .... 880thebiz.com";</b> <b>personal first</b>	W	0700	24/10	PC
880	WCBS	New York NY; news radio New York	332	0554	27/9	MDe
880	WCBS	New York NY; CBS News	W/Fpks	0402	30/9	Rha
880	WCBS	New York NY; "WCBS news time 2.07"	F	0607	6/10	JW
890	WLS	Chicago IL; usual "WLS Chicago" sung ID	F	0600	1/10	AB
890	WLS	Chicago IL; ABC News	322	0327	3/10	MDe
890	WLS	Chicago IL; ads, sung "Chicago weather" and after weather update "8-90 AM WLS"	F	0634	22/10	JW
890	WAMG	Dedham MA; Latin type music and slogan "la fuerza que te mueve" briefly over WLS	F	0601	28/9	AB
890	WAMG	Dedham MA; a subdued "This is WAMG Dedham Brookline Boston. La nueva mega" & Salsa hits	F	0600	17/10	BD
890	CJDC	Dawson Creek BC; country mx, "Proudly serving The Peace, (Power?) Lake, Fort Saint John and Dawson Creek, we are 8-90 CJDC The Peace Country's country"	F/G	0700	6/10	mah
890	CMDZ	R Progreso, 2 sites listed (tentative); SS talks about Cuba	322	0201	16/10	MDe
900	CHML	Hamilton ON; "News talk and sports radio advertising works on AM 9 hundred CHML" spots and talk show	W/F	0642	21/10	BD
900	CMBC	R Progreso, Cacocum; "Radio Progreso, la emisora de la revolución"	W/F	0700	24/10	PC
900	XEW	W-Radio, México City; "W-Radio, servicio informativo, a la hora"	W	0600	1/10	AB

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900	XEW	2 locations; "W Radio" mentioned in programme announcement	F	0600	6/10	PC
900	YVMD	Radio Venezuela Mara Ritmo, Maracaibo; Maracaibo spot, "Radio Venezuela" & MOR Latin rhythms	W/F	0640	21/10	BD
918		Shangdong RGD, Jinan (presumed); TS, CC anns	Gpks	1400	21/10	mah
920	WBAA	West Lafayette IN; jazz, ID "The station for jazz, this is AM 9-20 WBAA West Lafayette ..."	P	0700	7/10	mah
920	KXLY	Spokane WA; "Spokane's news, traffic and weather station and home of the Mariners KXLY 9-20 Spokane Coeur d'Alene" and ABC News	F/G	0700	6/10	mah
920	CFRY	Portage La Prairie MB; country mx, "CFRY" jingle	Fpks	0700	1/10	mah
920	CKNX	Wingham ON; "Serving Mid-Western Ontario, your information leader, CKNX ..." the rest lost in noise	W	0600	1/10	AB
920	YVQX	Radio Nueva Esparta, Porlamar; MOR bright Latin rhythms & "Nueva Esparta 9-20 AM"	F	0555	1/10	BD
920	YVQX	R Nueva Esparta, Porlamar; bright Latin rhythms, TC and ID "Nueva Esparta 9-20 AM"; <b>personal first</b>	F	0620	17/10	AB
930	WBEN	Buffalo NY; CBS News	322	0144	3/10	MDe
930	WBEN	Buffalo NY; "WBEN newstime 8-03"	F	0003	7/10	SW
930	WBEN	Buffalo NY; CBS News then ID "WBEN 9-30"	F	0602	18/10	JW
930	CJCA	Edmonton AB; light music, ID "This is AM 9-30 The Light CJCA Edmonton"	Fpks	1005	21/10	mah
930	CFBC	Saint John NB; oldies and ID "The greatest hits of all time on a radio near you. Good Times Oldies"	F	0600	16/10	JW
930	CFBC	Saint John NB; "Good Time Oldies CFBC"	F	2201	23/10	SW
936		IRIB, Urumiyeh, Iran; Farsi px	333	2044	30/9	MvA
940	CJGX	Yorkton SK; poor "CJGX 9-40 AM", barely audible in the noise	P	0700	1/10	mah
950	WTLN	Orlando FL; end of religious programme celebrating 25 years of W ministry, then "stay tuned 24 hours a day to 9-50 WTLN Orlando online at wtln.com"	W	0600	25/9	AB
950	WTLN	Orlando FL; Sounded like "KC (or KZ) radio" "24 hours a day on 9-50 WTLN Orlando and online at wtln.com"; also W/F 0600 18/10	W/F	0700	24/10	PC
950	KJR	Seattle WA; usual ID ending "Sports Radio 9-50 KJR Seattle" then Fox Sports News	W	0600	6/10	AB
950	KJR	Seattle WA; "Sports Radio 9-50 KJR Seattle"	G	0700	6/10	mah
950	CFAM	Altona MB (presumed); continuous classical mx // 1250 kHz	F/G	0700	1/10	mah
950	CKNB	Campbellton NB; pop mx, great songs	332	0502	14/9	MDe
949.98	CKNB	Campbellton NB; pop music and ID "Your pop community 95 CKNB"	W	2308	2/10	Rha
950	CKNB	Campbellton NB; "95-CKNB an MBS Radio Station"	G	0101	10/10	SW
960	CFAC	Calgary AB; ESPN Radio sport	322	0510	19/9	MDe
960	CFAC	Calgary AB; "CFAC 9-60 AM The Fan 9-60 at fan960.com owned and operated by Rogers Broadcasting. We are The Fan 9-60 Calgary" and ESPN Radio Sports Centre	G	0700	4/10	mah
960	<b>XEROO</b>	<b>La Guadalupana, Chetumal, QR;</b> "La Guadalupana, con los valores de nuestra tierra. Son las dos"; tnx RealDX group; <b>personal first</b> ; also 0704 24/10 F/G	W/F	0700	6/10	PC

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970	KFBX	Fairbanks AK; "... Sunday mornings 9 to noon on News Radio 9-70 KFBX. This is the station that means Fairbanks ... News Radio 9-70 KFBX Fairbanks" and ABC News; also W/F 0758 15/10	G	1100	21/10	mah
970	WZAN	Portland ME; CBS News	322	0605	16/10	MDe
970	KQAQ	Austin MN; "True Classic Country Legends" slogan	Fpks	0706	1/10	mah
970	XERFR	México DF; "Radio Fórmula" and "Grupo Fórmula" IDs	F	0600	6/10	AB
970	XERFR	México DF; "Radio Fórmula" ID under WZAN	W	0600	6/10	PC
970	XERFR	R Fórmula, México DF; many "Grupo Fórmula" IDs	Fpks	0700	7/10	mah
980	WOFX	Troy NY; "... night football WOFX Troy ... Fox Sports 9-80"	W/F	0600	19/10	mah
980	CJME	Regina SK; "Regina's number one news and information station News Talk 9-80 CJME, a Rawlco radio station" and CP News	F	0600	4/10	mah
980	HJES	RCN, Cali; full ID "RCN" in SS; also 322 0505 8/9	333	0600	15/10	MDe
981	BEC70	Voice of Han, Tainan, Taiwan; CC YL/OM talks	322	1826	16/10	MvA
990	CMAM	R Guamá, San Luís; "Guamá desde (?)" ID // 1020 kHz	W/F	0700	24/10	PC
1000	WMVP	Chicago IL; "from Chicago's football station ESPN 1000 WMVP Chicago" then ESPN Sports Centre	F	0600	1/10	AB
1000	WMVP	Chicago IL; "... only on ESPN Chicago WMVP AM Chicago"	F	0600	4/10	BD
1000	WMVP	Chicago IL; sports talk and "ESPN.com and ESPN radio"	W	0600	4/10	JW
1000	KOMO	Seattle WA; "Komo News Radio", reports	Gpks	0744	1/10	mah
1000	KOMO	Seattle WA; "... something you should know on KOMO News Radio" in brief fade	F	0557	2/10	AB
1000	CMNM	R Granma, Manzanillo; "Esta es Radio Granma, 1000 kHz ...96.5 de la (?) FM Manzanillo, Cuba"	W/F	0700	26/10	PC
1000	XEOY	R Mil, México DF; "XEOY ... frecuencia mil AM ... Radio Mil, ... México ..."	Gpks	0658	7/10	mah
1000	XEOY	R Mil, México DF; "XEOY AM, frecuencia mil kilo(?) con 50,000 watts de potencia"	W/F	0600	16/10	PC
1010	WINS	New York NY; "Wins 10-10" ID, then traffic & weather	W/Fpks	0407	30/9	Rha
1010	WINS	New York NY; "Next traffic report at 1.51 on 10-10 WINS"	G	0541	25/10	JW
1010	CBR	Calgary AB; "This is the CBC News"	Fpks	1000	21/10	mah
1010	CFRB	Toronto ON; news about the dead line	332	0112	14/9	MDe
1010	CFRB	Toronto ON; weather report for Toronto	F	0400	30/9	JW
1020	WURN	Kendall FL; EE ID "This is WURN 10-20 AM, Kendall, Fort Lauderdale, Miami, Florida" then SS px mentioning Actualidad Miami.	F	0600	25/9	AB
1020	KDKA	Pittsburgh PA (presumed); plenty of talk	F	0617	22/10	JW
1020	CMBD	Radio Reloj, Jorobo; rolling SS news with time pips; <b>personal first</b>	W/F	0700	24/10	PC
1020	CMAM	R Guamá, Bahia Honda; "Guamá desde (?)" ID; mixing with Reloj // 990 kHz	W	0700	24/10	PC
1030	WBZ	Boston MA; news all day Boston; also 332 0436 14/9	332	0542	26/9	MDe
1030	WBZ	Boston MA; "WBZ news time 2.03"	F	0603	16/10	JW
1030	WBZ	Boston MA; sports	W/Fpks	0408	17/10	Rha
1040	WHO	Des Moines IA; "... right here on Des Moines news radio – 10-40 WHO"; always difficult because of 1035 kHz local	W	0700	22/10	PC
1050	WEPN	New York NY; ESPN sports comments & live sports on "ESPN-1050"	W/Fpks	0421	2/10	Rha

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1050	WEPN	New York NY; "ESPN Radio New York"	332	0547	7/10	MDe
1050	CHUM	Toronto ON; more on CHUM	332	0255	16/9	MDe
1050	CHUM	Toronto ON; ID "Breaking news CP24"	F	0400	1/10	JW
1050	CHUM	Toronto ON; local adverts; "cp24.com"	vG	0042	3/10	SW
1060	KYW	Philadelphia PA; "KYW News time 2.04. KYW News Radio ..." and promos; rare here	Fpks	0605	15/10	mah
1060	CMDL	R 26, Matanzas; "Esta es Radio 26 desde Matanzas, Cuba"	Fpks	0559	14/10	mah
1060	CMDL	Radio 26, Matanzas; "Esta es Radio 26, desde Matanzas, Cuba"	F/G	0700	24/10	PC
1060	XEEP	R Educación, México DF; SS talks by OM/YL about Mexico	322	0235	14/9	MDe
1060	XEEP	Radio Educación, México DF; Beatles' song & "Radio Educación 10-60 AM"	F	0559	30/9	BD
1060	HJFJ	RCN Manizales; SS anns "... dos minutos para la una de la mañana en Colombia ...", "RCN" IDs at 0607; xf CMDL	Fpks	0558	14/10	mah
1070	KNX	Los Angeles CA; new reports, "KNX News time 11:45"	G	0745	1/10	mah
1070	CHOK	Sarnia ON; Canadian Press News ending in jingle "Country 103-9 CHOK"	F	0603	1/10	AB
1070	CMAM	Radio Guamá, (2 locations listed); "Guamá desde (?)" ID //1020	W	0700	24/10	PC
1070	YVMA	R Mundial Zulia, Maracaibo; "Mundial Zulia ... una treinta-seis minutos ... Mundial Zulia"; <b>personal first</b>	W	0606	24/9	AB
1070	YVMA	Radio Mundial, Maracaibo; LA songs, SS ann mentioning Zulia	233	0554	17/10	MvA
1070	YVMA	Mundial Zulia, Maracaibo; SS music and ID in SS "Mundial Zulia"	222	0604	17/10	MDe
1071		IRIB Qom, Iran; Farsi talks, song	232	2106	21/10	MvA
1071		Radio Maaref, Qom, Iran; YL in talk, dominant	F/G	1900	22/10	PL
1071		General Program, Bisha, Saudi Arabia; sounded like comedy routine then ID after hour; over Talksport / Iran	F	1900	14/9	PL
1071		Radio Al-Nour, Tartus, Syria; Arabic news, ann, ID, website	333	2114	21/10	MvA
1080	KUDO	Anchorage AK; "News Talk 10-80 KUDO"	W/F	1000	21/10	mah
1080	WHIM	Coral Gables FL; ID noted in RNE gap "WHIM Coral Gables Miami Fort Lauderdale"	W	0700	4/10	mah
1080	WHIM	Coral Gables FL; only the call sign was heard in a brief fade "WHIM Coral Gables, Miami, Fort Lauderdale"	Fpk	0600	6/10	AB
1080	WTIC	Hartford CT; WEEI Red Sox Radio Network	Fpks	0008	3/10	SW
1080	WTIC	Hartford CT; EE px under Spain	322	0632	23/10	MvA
1090	WBAL	Baltimore MD; info, news; also 332 0237 14/9	322	0510	16/9	MDe
1097.98	BED97	CBS Taiwan, Taiwan (pres); Taiwan talk px, no ID hrd	W/Fpks	2029	10/10	Rha
1098	BED97	RTI/ R Free Asia, Kouhu, Taiwan;	322	1909	16/10	MvA
1100	KFAX	San Francisco CA; "This program is sponsored by Word Radio Evangelism on AM 11 hundred KFAQ. KFAQ ... online at kfax.com AM 1100 KFAQ"; also Fpks 0700 1/10	Fpks	0700	6/10	mah
1100	WTAM	Cleveland OH; C2C talk	W	0409	30/9	Rha
1100	WTAM	Cleveland OH; all news station	322	0554	30/9	MDe
1100	WTAM	Cleveland OH; "It's the big one WTAM 11 hundred Cleveland" & Fox News	W/F	0600	6/10	BD
1110	WBT	Charlotte NC; "WBT ... 99.3 WBT-FM Chester Charlotte's news, weather and traffic station" followed by CBS News	F	0600	25/9	AB
1110	WBT	Charlotte NC; news talk	322	0550	1/10	MDe

kHz	Call sign	Station, location; details heard etc	SIO	UTC	Date	Who
1110	WBT	Charlotte NC; "News Talk 11-10 WBT Charlotte" & CBS News	F	0600	1/10	BD
1120	KMOX	Saint Louis MO; "The Fifties is next on KMOX"	G	0500	26/9	AB
1120	KMOX	Saint Louis MO; "Newsradio 11-20 KMOX" ID, then news & comment	W	0405	30/9	Rha
1120	KMOX	Saint Louis MO; news talk "The Voice"	322	0606	4/10	MDe
1120	KMOX	St Louis MO (presumed); news reports YL/OM	W	0617	22/10	JW
1130	WBBR	New York NY; "on Bloomberg Radio"	322	0115	14/9	MDe
1130	WBBR	New York NY; "Bloomberg business news" & economics, "Bloomberg" IDs	F/G	0412	30/9	Rha
1130	WBBR	New York NY; finance talk	F	0605	2/10	JW
1130	KWKH	Shreveport LA; promo "Danny Fox takes you home weekday afternoons at three on the home of the legends, KWKH" behind WBBR	W	0606	27/9	AB
1130	KWKH	Shreveport LA; "AM 11-30 KWKH Shreveport" "KWKH weather vane" jingle & weather forecast	F	0600	4/10	BD
1130	KWKH	Shreveport LA; "AM 11-3 KWKH Shreveport" in WBBR gap	F	0600	4/10	mah
1130	KWKH	Shreveport LA; "KHKW Shreveport" in WBBR silence near toth	W	0600	4/10	PC
1130	KFAN	Minneapolis MN; "AM 11-30 KFAN", sports talk	F	0930	21/10	mah
1130	CKWX	Vancouver BC; "CKWX News time 3 o'clock"; also Gpks 0658 6/10	F/G	1000	21/10	mah
1134	HL--	KBC Hwaseong; anns in KK, with "KBS ?? Radio" and "HLKC" ID (or is it "HLKT"? ) and TS	Gpks	1400	21/10	mah
1140	WQBA	Miami FL; ID "Voz de Miami" in SS	332	0544	2/10	MDe
1140	CHRB	High River AB; country, "You're listening to AM 11-40" and Insight For Living"	F/G	0702	1/10	mah
1140	CBI	Sydney OH; CBC News	332	0550	30/9	MDe
1150	WHBY	Kimberley WI; "News Talk 11-50 WHBY Kimberley Appleton fox cities" & CBS News	F/G	0600	1/10	BD
1150	CHGM	Gaspé QC; EE heavy rock // 610 kHz	F/G	0559	30/9	BD
1160	WYLL	Chicago IL; "You're listening to Chicago's Christian talk 11-60 WYLL Chicago" & religious talk	F	060	1/10	BD
1160		Caribbean Radio Lighthouse, St John's, Antigua (presumed); BBC WS relay; BBC Caribbean website lists this station as carrying BBC programmes, but the station website shows s/off at midnight local time – I assume the BBC WS is their overnight programming	F	0600	14/10	mah
1170	<b>XERT</b>	<b>Que Buena, Reynosa;</b> "... Reynosa, Tamaulipas. ? de la cadena que une a México en todas partes. Que Buena. La Que Buena!" heard in brief peak; tnx to the following members of the RealDX Group for confirming my suspicion that this was XERT, and for filling in details of the announcement – Bill Nolman, Mauricio Molano Sánchez and Andrew Brade; the station is now listed on Fred Cantu's site as "Ke Buena"; <b>UK First</b>	Fpk	0700	7/10	mah
1170	DWVA	VOA Poro Point; EE px, Yankee Doodle	333	1650	13/10	MvA
1170	DWVA	VOA Poro Point; EE News VOA	332	1655	13/10	MDe
1170	DVWA	VOA Poro Point; ID and Yankee Doodle	F/G	1900	22/10	PL

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1180	KERN	Wasco-Greenacres CA; "Bakersfield's right choice for Radio News 11-80 Kern Radio News"	Fpks	0935	21/10	mah
1180	KYES	Rockville MN; ID "The Relevant Radio network AM 11-80 K-yes"; first time I think I've actually heard the call-sign; mixing Cuba and others	W/F	0700	4/10	mah
1180	WHAM	Rochester NY; News Radio	332	0527	19/9	MDe
1180	WHAM	Rochester NY; "... the sports leader 11-80 WHAM Rochester" & Fox News	G	0600	1/10	BD
1180	WHAM	Rochester NY; ad for "Automotive services 654 2175" - confirmed Rochester number	F	0633	16/10	JW
1180	CMBA	R Rebelde Vila María; Cuban songs	332	0520	17/9	MDe
1190	WOWO	Fort Wayne IN; "Newstalk 11-90 wowo, connected live on the internet at wowo.com"	W	0600	1/10	AB
1190	WLIB	New York NY; "This is WLIB New York"	332	0501	24/9	MDe
1190	WLIB	New York NY; gospel music // webstream	Fpks	0012	3/10	SW
1190	KEX	Portland OR; "News Radio 11-90 KEX Portland"	Fpks	1000	21/10	mah
1190	CMKC	R Revolución, Palma Soriano ; SS ID "Revolución"	332	0500	14/9	MDe
1190	WBMJ	San Juan PR; "And now on the web therockradio.org", and religious homily, then promo for "... money matters every weekday here on the Rock Radio at 6 PM" and light songs	F/G	0600	12/10	mah
1190	HJCV	R Cordillera, SF de Bogotá; SS talks by male and ID	332	0525	16/9	MDe
1190	HJCV	Radio Cordillera, Bogotá; LA music; SS ID; <b>personal first</b>	343	0555	17/10	MvA
1200	WXKS	Newton MA; Fox News	W/Fpks	0504	20/10	Rha
1200	CFGO	Ottawa ON; sports talks station; also 322 0547 30/9	332	0520	20/9	MDe
1200	CFGO	Ottawa ON (presumed); sports talk	W	0604	15/10	JW
1200	CFGO	Ottawa ON; "Sports Radio Team 1200" with Toronto sports & Superbowl	W	0431	17/10	Rha
1200	CFGO	Ottawa ON; tlk "... Ottawa ...", ID "team twelve hundred"	333	2333	20/10	LB
1210	WPHT	Philadelphia PA; "WPHT WPHT-HD WOGL HD-3 Philadelphia. This is the home of the Phillies the Big Talker 12-10 thebigtalker1210.com", CBS News	F	0700	16/10	mah
1210	VOAR	Mount Pearl NL; "More ministry, more music VOAR 12-10 AM"; often heard here	F/G	0600	15/10	mah
1230	WSOO	Sault Ste Marie; "WSOO, Sault Sainte Marie's sports leader. Now, here's the ABC News"	W/F	0700	11/10	PC
1230	CFFB	Iqaluit NU (tent); weak CBC interval signal at toth	W	0000	5/10	PC
1230	CMBA	<b>Radio Rebelde, unknown location</b> ; "Rebelde, La Habana" Mauno Ritola suggests this may be a relay by Radio 26, Union de Reyes; <b>personal first</b>	G	0700	24/10	PC
1230	HJLK	Radio Calidad, Cali; Spots, "Radio Calidad" & MOR Latin rhythms	W	0647	21/10	BD
1250	WNEM	<b>Bridgeport MI</b> ; "This is your only (?) news radio station. News radio 12-50 WNEM Bridgeport, Saginaw, Bay City, (location?)"	W/F	0600	7/10	PC
1250	WGAM	Manchester NH; "This is WGAM Manchester"	W	0700	18/10	PC
1250	CHSM	Steinbach MB (presumed); continuous classical mx // 950 kHz	F/G	0700	1/10	mah
1250	HJCA	Capital Radio, SF de Bogotá; ID "Radio Capital"	322	0600	15/10	MDe
1260	WSUA	Miami FL; SS talk show & "Radio Caracol" slogan; still on 50kW?	F	0553	29/9	BD



kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1260	WSUA	Miami FL; ID "Radio Caracol, 12-60, la primera entre todos los hispanos"; behind local BBC R York; <b>personal first</b>	W	0600	29/9	AB
1260	WSUA	Miami FL; SS "Radio Caracol 12-60"	W/F	0600	19/10	mah
1270	WRLZ	Eatonville FL; "Radio Luz" ID	F	0601	25/9	AB
1270	WXYT	Detroit MI; WXYT ID, "Sporting News flash"	F	0700	11/10	PC
1270	WTSN	Dover NH; "WTSN Dover ... and southern Maine, online at wtsnam1270.com – number one for news talk sports", ABC News	W/F	0700	9/10	mah
1270	CJCB	Sydney NS; CJCB sung jingle heard between soft music	W	0601	30/9	AB
1280	VSF	Hamilton, Bermuda; "You're listening to BBN on WYFT-FM Waynesboro ..."	F	0700	24/10	PC
1280	WFAU	Gardiner ME; multiple station ID including "... 12-80 WFAU Gardiner" & Fox sports	W	0600	11/10	BD
1280	WCMN	Arecibo PR; "Estan escuchando WUNO AM NotiUno ..." and network IDs in SS	F	0600	12/10	mah
1287	JOHR	HBC Sapporo (presumed); JJ studio chat,	F/G	1400	21/10	mah
1290	WJNO	West Palm Beach FL; very weak "WJNO West Palm Beach 12-90 AM and high definition on 98.7 HD2"	vW	0600	9/10	AB
1290	KGVO	Missoula MT; "This is News Talk 12-90 KGVO Missoula"	Fpks	1000	21/10	mah
1290	WNBF	Binghamton NY; "News Radio 12-90 WNBF Binghamton"	W/F	0700	16/10	mah
1290	WHIO	Dayton, OH; "... WHIO Dayton ... Miami Valley's weather, (?) and news station"	W	0600	4/10	PC
1290	CFRW	Winnipeg MB; ESPN Radio, "Sports Radio 12-90 CFRW Winnipeg – all sports"	G	0700	1/10	mah
1290	YVLF	Radio Puerto Cabello; Mexican music px; SS ID, mx	242	0603	6/10	MvA
1290	YVLF	R Puerto Cabello, Puerto Cabello; nice songs in SS, ID "Puerto Cabello"	322	0606	6/10	MDe
1290	YVLF	R Puerto Cabello; "la 1 y 29 minutos ....en Radio Puerto Cabello, 12-90"	F	0600	19/10	PC
1290	YVLF	Radio Puerto Cabello, Puerto Cabello; lively Latin tunes & "Radio Puerto Cabello 12-90"	F/G	0658	21/10	BD
1296		VOA R Ashna, Kabul; about India	444	2205	19/9	MDe
1296		VOA Kabul; English lesson	333	2113	20/10	MvA
1300	WFFG	Marathon FL; "1300 Keys ... WFFG Marathon and all of the Florida Keys"	P	0600	14/10	mah
1300	KGLO	Mason City IA; "This is George Noorey with Coast to Coast AM. Thanks for listening to AM 13-hundred, KGLO Mason City"	F	0700	11/10	PC
1300	WJZ	Baltimore MD; "ESPN Radio 13 hundred WJZ Baltimore WJZ-P FM ... Baltimore ... sports station online at ????.com"		0700	6/10	mah
1300	WJZ	Baltimore MD; "ESPN 13-hundred is WJZ Baltimore, WJZ FMF HD3 Catonsville, Baltimore"		0700	26/10	PC
1300	WOOD	Grand Rapids MI; "This is News Radio 13 hundred WOOD Grand Rapids" & Fox News	W	0600	1/10	BD
1300	WDGJ	Rensselaer NY; "WGDJ Rensselaer is Talk 1300 ..."	W/F	2300	30/9	mah
1300	KKOL	Seattle WA; "The new home of Washington State University football is the new 1300 KKOL Seattle ..."	W	1000	21/10	mah
1310	WLOB	Portland ME; "WLOB FM Topsham Portland, WLOB Portland and wlobradio.com" & Fox News	F	0600	16/10	BD

<b>kHz</b>	<b>Callsign</b>	<b>Station, location; details heard etc</b>	<b>SIO</b>	<b>UTC</b>	<b>Date</b>	<b>Who</b>
1310	WCCW	Traverse City MI; "13-10 ESPN Radio, WCCW AM, Traverse City"	F	0600	4/10	PC
1310	CHLW	St Paul-Bonnyville AB; "The best country music, the biggest country stars all night long – 13-10 CHLW"	F/G	0706	1/10	mah
1310	CIWW	Ottawa ON; "At 13-10 on the AM dial, Rogers Cable Channel 9-14, and live on the internet at 1310news.com, CIWW is Ottawa's all news radio, 13-10 News"	F	0700	20/10	mah
1320	WLQY	Hollywood FL; "WLQY, Hollywood, Miami"	W	0700	24/10	PC
1320	WILS	Lansing MI; "24/7 365 every half hour .... talk radio 13-20 WILS Lansing – keeping you up to date with Fox News"	F	0600	7/10	PC
1320	WILS	Lansing MI; "More Compelling Talk Radio 13-20 WILS"	Fpks	0705	7/10	mah
1320	CHMB	Vancouver BC; CC px, EE ID "This is CHMB AM 13-20 Vancouver"	F	0700	1/10	mah
1320	YVWP	R Apolo, Turmero; SS songs and ID "Apolo"	322	0530	24/9	MDe
1330	WRCA	Watertown MA; Creole music and French talks	332	0531	24/9	MDe
1330	WRCA	Watertown MA; English legal ID "A member of the Beasley Broadcasting Group this is 13-30 WRCA"	F	0600	2/10	SW
1330	WLOL	Minneapolis MN; "...Radio 13-30 WLOL Minneapolis Saint Paul ... Relevant Radio ..." heard in the mix	W	0700	1/10	mah
1330	WFNN	Erie PA; ID "This is Fox Sports Radio WFNN Erie, The Fan"	F	0600	4/10	mah
1330	WFNN	Erie PA; "This is Fox Sports Radio. WFNN Erie, The Fan"	W/F	0700	22/10	PC
1330	<b>WHBL</b>	<b>Sheboygan WI</b> ; something like "your announcements can be received in advance at WHBL ? Sheboygan 2100 Washington Avenue Sheboygan Wisconsin 53082 or you can e-mail them to <a href="mailto:whblstudio@whbl.com">whblstudio@whbl.com</a> "; <b>personal first</b>	F	0600	11/10	AB
1330	WHBL	Sheboygan WI; sung ID "News Radio 13-30 WHBL"	F	0700	11/10	PC
1340	CFYK	Yellowknife NT; details of local transmitters, address, phone number " ... area code 867 920 5440" ID "You're listening to CBC North Radio 1"	Fpks	1000	21/10	mah
1350	WEZS	Laconia NH; "Home for the greatest hits of the 60s and 70s, New Hampshire's Good Time Oldies station WEZS Laconia – Oldies 13-50"	W/F	2300	30/9	mah
1360	KKBJ	Bemidji MN; "AM 13-60 KKBJ" IDs, Fox News Radio	W	0700	1/10	mah
1360	WSAI	Cincinnati, OH; Fox sports radio IDs "We are Fox Sports radio 13-60 Cincinnati"	W/F	0700	23/10	PC
1360	WTAQ	Green Bay WI; "WTAQ Green Bay, WTAQ FM (location) a service of Midwest Communications"	W/F	0700	22/10	PC
1370	WDEA	Ellsworth ME; talks	222	0250	14/9	MDe
1370	WDEA	Ellsworth ME ; "AM13-70 WDEA" nostalgia & oldies; unusually frequently audible in October	F	0024	5/10	SW
1377		TWR, Gavar, Armenia; TWR Interval Signal, Farsi; huge signal over France	Exc	1657	13/10	SW
1377		IRIB1, 2 sites listed, Iran; Farsi talks	322	1522	21/10	MvA
1380	CKPC	Brantford ON; "Ron Davies on AM 13-80" slogan & country music	W/F	0628	17/10	BD
1390	WEGP	Presque Isle ME; ID "that's WGEF"	332	0516	24/9	MDe
1390	WEGP	Presque Isle ME; ID "13-90 WEGP"	F	0630	2/10	JW
1390	WLCM	Holt MI; "..... on AM 13-90 WLCM Holt Lansing"	W	0700	7/10	PC
1390	<b>WMER</b>	<b>Meridian MS</b> ; weak "..ER Meridian 93.1FM" in WEGP gap; <b>UK first</b>	vW	0600	9/10	AB

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1390	WFBL	Syracuse NY; "This is CNY Talk Radio" heard in WEGP gap	F	0700	16/10	mah
1390	WFBL	Syracuse NY; "CNY Talk radio 13-90 WFBL Syracuse ..." (2 other frequencies, calls and locations)	W/F	0700	19/10	PC
1400	CBG	Gander NL; CBC News	322	0530	21/9	MDe
1400	HJKM	Em Mariana, SF de Bogotá; SS ID "Desde la capital de la república transmite Emisora Mariana de Bogotá en frecuencia mil cuatrocientos kiloHertz, onda media ..."	F	0601	12/10	mah
1400	HJKM	Emisora Mariana, Bogotá; YL with "Emisora Mariana" & folk type music	W/F	0630	18/10	BD
1410	WMYR	Fort Myers FL; poor/difficult ID "The Avenue WCNZ 16-60 and WMYR 14-10"; clearer "Avenue 14-10 and 16-60" ID at 0603; xf presumed WPOP	Gpks	0600	15/10	mah
1413	JOIF	KBC Fukuoka; Japanese talks	222	2028	16/10	MvA
1420	WDJA	Delray Beach FL; "AM 14-20 WDJA Delray Beach"	W	0700	24/10	PC
1420	WOC	Davenport IA; "News talk 14-20 WOC, Davenport, Quad Cities. The news starts now."	W/F	0600	4/10	PC
1420	WBSM	New Bedford MA; "WBSM New Bedford ... 14-20 WBSM"	W	0700	25/10	PC
1420	WHK	Cleveland OH; "WHK with Michael Medved"	W	0559	26/9	AB
1420	CKDY	Digby NS; "AVR" ID in country music	F	0606	26/9	AB
1420	CKDY	Digby NS; "Johnny Robins here with you on AVR" & country music	W/F	0607	1/10	BD
1430	WENE	Endicott NY; "Sport Radio 14-30"	322	0541	30/9	MDe
1430	CHKT	Toronto ON; "This is AM 14-30 CHKT Fairchild Radio Toronto"	G	0600	26/9	AB
1430	CHKT	Toronto ON; light elevator music, IS & "This is AM 14-30 CHKT, Fairchild Radio Toronto"	W/F	0557	11/10	BD
1440	<b>JOWF</b>	<b>STV Radio, Sapporo</b> ; JJ anns, tlk; tnx to Hiroo Nakagawa, who listened to my clip and tells me: "It is no doubt the language used in the program is Japanese. And 1440kHz is exclusive frequency to STV Radio. So it is no doubt the station you caught was STV. In fact, at "24, I can hear the local CM and the telephone number of "WESS", which is concert ticket supply company in Sapporo. Congratulation!"; <b>personal first</b>	Fpks	1400	21/10	mah
1440	WRED	Portland ME; "Big Jab Sports Radio WJJB-FM Gray-Portland, WRED Redborough-Portland"	G	0200	5/10	SW
1440	<b>WMAX</b>	<b>Bay City MI</b> ; "This is Ave Maria Radio, 14-40 WMAX, Bay City"	W	0600	4/10	PC
1450	VSBI	Hamilton, Bermuda; "14-50 AM Gold"	F/G	2300	30/9	mah
1450	WENJ	Atlantic City NJ; accented/echoey "WENJ Atlantic City", followed by clear SS "ESPN, Deportes Radio, Sports Centre"	Fpks	0600	15/10	mah
1450	WENJ	Atlantic City NJ; SS ESPN sports & subdued "WENJ Atlantic City"	W/F	0558	17/10	BD
1460	WHIC	Rochester NY; "Thank you for listening to 14-60 AM WHIC Rochester"	W	0500	26/9	AB
1460	WHIC	Rochester NY; OM with religious studio talk & YL with "station of the cross" slogan	W	0557	29/9	BD
1460	WHIC	Rochester NY' "The Station of the Cross ...14-60 AM Rochester"	W	0600	4/10	PC
1460	CJOY	Guelph ON; "14-60 CJOY The Royal City's greatest hits"	F/G	0505	28/9	AB
1467		IRIB Isfahan, Iran; Farsi px	232	1520	21/10	MvA

<b>kHz</b>	<b>Callsign</b>	<b>Station, location; details heard etc</b>	<b>SIO</b>	<b>UTC</b>	<b>Date</b>	<b>Who</b>
1470	WLAM	Lewiston ME; oldies channel with Elton J	322	0520	30/9	MDe
1470	WLAM	Lewiston ME; legal ID	F	0000	3/10	SW
1470	WLAM	Lewiston ME; oldies "California Dreaming"	F	0604	16/10	JW
1470	WLAM	Lewiston ME; oldies of the 60s & 70s	W	0520	20/10	Rha
1470	YVSY	R Vibración, Carúpano; music and slogans	F	0045	25/10	SW
1480	WGVU	Kentwood MI; usual full ID – "This is Real Oldies 14-80 and 8-50"	F	0700	22/10	PC
1480	WHBC	Canton OH; "News Talk 14-80 WHBC, Canton Ohio"	W/F	0700	7/10	PC
1480	WUBA	Philadelphia PA (tentative); tropical mx, SS "Rumba" anns and possible EE "... broadcasting ..."; difficult under WSAR	Wpks	0559	24/9	mah
1480	WLMV	Madison WI; "La Movida 14-80 AM"	W	0605	4/10	PC
1490	HJBS	Emisora Punto Cinco, Bogotá; Ranchero style music & OM with "14-90kHz Radio Punto de Bogotá"	W/F	0634	18/10	BD
1500	WFED	Washington DC; talk on demand "... on Federal Talk Radio"	W/Fpks	0345	30/9	Rha
1500	WFED	Washington DC; YL List of station IDs including "WFED"	F	0559	5/10	JW
1500	WFED	Washington DC; Federal News	332	0219	6/10	MDe
1500	WFED	Washington DC; "Federal News Radio"	F	0059	15/10	SW
1500	WLQV	Detroit MI; "This is Faith Talk 15 hundred WLQV Detroit, a service of Salem Communications"	Fpk	0600	4/10	mah
1500	WLQV	Detroit MI; "This is Faith Talk 15-hundred, WLQV Detroit, a service of Salem Communications"	W/F	2300	21/10	PC
1499.849	OBX41	Santa Rosa, Lima; lovely Peruvian music, ID "Santa Rosa" by OM; good peak	322	0529	21/9	MDe
1500	YVRZ	Radio Dos Mil, Cumaná; News magazine & 1500 kilociclos YVRZ ... Radio Dos Mil"	W/F	2225	25/10	BD
1510	KCKK	Littleton CO; "Mile High Sports AM 15-10 and FM 93-7 ..."	Fpks	0704	1/10	mah
1510	KCKK	Littleton CO; "15-10 KCKK" heard under WWZN. Sporting News	W	0700	22/10	PC
1510	WWZN	Boston MA; SS and ID	322	0253	14/9	MDe
1510	WWZN	Boston MA; sports comments & ID "The Zone"	W/F	0348	30/9	Rha
1510	WWZN	Boston MA; "This is the new AM-15-10 Revolution Boston. WWZN Boston" (apparently more English programmes than Spanish sports)	G	0400	6/10	SW
1510	WWZN	Boston MA; news, talk	211	0310	24/10	FW
1510	WWZN	Boston MA; ads including one for MA. No ID at start or end of ads – straight back to EE talk show	G	0547	25/10	JW
1510	WLAC	Nashville TN; briefly fading over WWZN "15-10 WLAC and WNRQ-HD3 Nashville"	F	0600	3/10	AB
1510	WLAC	Nashville TN; news, "You are listening to Fox News Radio"	333	0604	25/10	MvA
1512		IRIB1 Ardabil; ID "Radio Iran"	332	2229	10/10	MDe
1512		IRIB Ardabil, Iran; Farsi talks	343	1511	21/10	MvA
1520	WWKB	Buffalo NY; news	322	0256	14/9	MDe
1520	WWKB	Buffalo NY; talk then ID "AM 15-20"	F	0606	16/10	JW
1520	KOKC	Oklahoma City OK; "15-20 K-OKC Oklahoma City .. local news it's one o'clock" then ABC Radio News heard in WWKB pause	W	0600	1/10	AB
1520	HJLI	JC Radio Bogotá; SS preacher, choir & "jaysi radio"	W/F	0627	18/10	BD
1520.97		CRI Urumqi, China; RR anns, tlk, "Radio Kitaya" ID	G	1720	2/10	Rha
1521		CRI Urumqi, China; Russian talks and ID	333	1707	3/10	MDe

kHz	Call sign	Station, location; details heard etc	SIO	UTC	Date	Who
1521		CRI Urumqi, China; interval signal after usual tune	G/vG	1900	22/10	PL
1530	WCKY	Cincinnati OH; "This is 15-30 WCKY, the 50,000 Watt orange and black ... Bengals Cincinnati, ESPN 15-30" in prolonged Pulse 2 silence	W	0600	25/9	AB
1530	WCKY	Cincinnati OH; Brother Stair cut off midstream by station ID	F/G	0700	22/10	PC
1539		CNR1 Voice of China, Zhenjiang; Chinese melody and talks by female; tnx IRCA for helping with ID; only 10Kw	322	2200	19/9	MDe
1539		VOA R Aap Ki Dunyaa, UAE; EE news about Jerusalem	444	2205	13/9	MDe
1539		VOA Radio Aap Ki Dunyaa, Al-Dhabbaya; "voanews.com/urdu" and IDs	G	1612	27/10	SW
1540	KXEL	Waterloo IA; "News Talk 15-40 KXEL Waterloo Cedar Falls" & ABC news	F	0600	1/10	BD
1540	KXEL	Waterloo IA; UNI sports	F	0006	3/10	SW
1540	KXEL	Waterloo IA; "News Talk 15-40 KXEL, Waterloo, Cedar Falls"	W/F	0700	18/10	PC
1540	WNWR	Philadelphia PA (presumed); with interview about kids and gyms/schools at 2209; Christian programming appeared around 2220 with "Family Life" (WDCD pres) and Chinese language appeared at 2227 (CHIN pres); <b>daytimer</b>	W	2209	21/10	SW
1540	CHIN	Toronto ON; news, info	332	0117	14/9	MDe
1540	CHIN	Toronto ON; China Radio International with long list of frequencies around the world at start of Beijing Hour ; included "15-40 Houston" so might mislead some listeners	F	2301	28/10	SW
1550	WAZX	<b>Smyrna GA</b> ; bright Latin rhythms (apparently Christian per Distance) & YL with "You're listening to WAZX...( <<Voz Cristiana>> clarifies Distance)... 15-50 AM Smyrna GA" (I think they left their 50kW day power on); thanks to OM AB for solving an initial UNID	W/F	0557	3/10	BD
1550	WAZX	<b>Smyrna GA</b> ; "You are listening to WAZX Voz Cristiana 1550 AM in Smyrna Georgia. La estación oficial del concierto con Roberto Orellana este 2 y 3 Octubre. Más informes: 770-573 1284"; then SS music and talk. Thanks to HK for suggesting Orellana. Matches web ID; <b>personal first</b>	W	0559	3/10	AB
1550	WAZX	<b>Smyrna GA</b> ; EE/SS ID "You are listening to WAZX Voz Cristiana 15-50 AM in Smyrna ...", then SS programming – Mexican mx; under/over CBE; <b>personal first</b> ; tnx BD for the tip and AB for the detective work	Fpks	0601	3/10	mah
1550	CBE	Windsor ON; IS & CBC News	F	0600	7/10	BD
1550	CMBA	Radio Rebelde, Nuevitas; "Rebelde" IS & news // 1620 kHz	W/F	1557	13/10	BD
1557		WYFR Kouhu, Taiwan; Bible talks	322	2122	13/9	MDe
1556.97		WYFR Kouhu, Taiwan; Mandarin religious praises& spirituals	F/G	1710	10/10	Rha
1557		WYFR, Kouhu, Taiwan; good peaks "familyradio.com"	Gpks	1652	13/10	SW
1557		WYFR, Kouhu, Taiwan; interval tune, dominant in mix	G	1900	22/10	PL
1560	WQEW	New York NY; Disney music	322	0532	20/9	MDe
1560	WQEW	New York NY; Disney pops	W	0608	16/10	JW
1566		TWR Parakou, Benin; French talks	222	2152	1/10	MDe
1566	HLAZ	Cheju; local talks and mx	332	2055	15/9	MDe
1565.98	HLAZ	Jeju, Korea; Korean religious talks, later church songs	W/F	2020	10/10	Rha
1570	WFLR	<b>Dundee NY</b> ; "Your station for local news, 101.9, 96.9 and 1570 WFLR Dundee, Watkins Glen, Penn Yan"; <b>daytimer and personal first</b>	F	2300	29/9	AB

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1570	WFLR	Dundee NY; "101.9 and 96.3. 15-70 WFLR Dundee"	W/F	0600	4/10	PC
1570	CJLV	Laval QC; French talks and music	322	0510	14/9	MDe
1570	CJLV	Laval QC; "15-70 AM CJLV Laval" & EE/FF pops	F/G	0600	1/10	BD
1570	CJLV	Laval QC; pops including "Butterfly"	F	0610	16/10	JW
1570		Bethel Radio, Lima, Peru; ID " Bethel, frecuencia celestial"; Peruvians Bethel Radio 1360 and Nueva Q 1570 are believed to have exchanged frequencies - AB	322	0530	21/9	MDe
1575		Radio Farda, Al-Dhabbiya, UAE; music	333	2315	20/10	FW
1580	CKDO	Oshawa ON; "on 107.7 FM and 15-80 AM this is CKDO"	G	0600	9/10	AB
1580	CKDO	Oshawa ON; continuous oldies including Neil Diamond songs	F	0625	16/10	JW
1580	HJQT	Aviva Radio, Bogotá; rlg px	232	0620	18/10	MvA
1580	HJQT	Avivaradio, Bogotá; SS fire and brimstone preacher with "Aviva" & "Avivo" slogans	F	0629	18/10	BD
1580	HJQT	Avivaradio, Bogotá; "A traves de la 15-80 AM, la emisora del Avivamiento"	F	0700	18/10	PC
1590	KLFE	Seattle WA; "Life 15-90 K-life KLFE Seattle"	W	1000	21/10	mah
1600	KGST	Fresno CA (tentative); possible "KGST Fresno", SS and ESPN Deportes, but too poor to call it 100%	vW/P	1000	21/10	mah
1600	WCNZ	Marco Island FL; jazz music and ID	332	0529	30/9	MDe
1600	WAAM	Ann Arbor MI; "WAAM Ann Arbor" heard weakly behind WUNR	W	0600	25/9	AB
1600	WAAM	Ann Arbor MI; "You're listening to Waam. WAAM Ann Arbor"	W	0600	4/10	PC
1600	WWRL	New York NY; "ccradio.com" ad, ID "New York's Progressive Radio 16 hundred WWRL New York"; <b>daytime power</b>	P/F	2300	29/9	mah
1610		Caribbean Beacon Anguilla; YL with religious talk	F	0657	2/10	JW
1620	CMBA	R Rebelde, unknown site; SS news	322	0300	14/9	MDe
1620	CMBA	R Rebelde, 2 sites listed; very good // 5025 kHz	vG	2354	5/10	SW
1620	CMBA	R Rebelde, unknown site; SS music and talk // 670 kHz	F	0540	23/10	JW
1630	KCJJ	Iowa City IA; The Performance Racing Network then full legal ID	Exc	2359	4/10	SW
1640	WTNI	Biloxi MS; "Sports Radio 14-90 WXBD and 16-40 WTNI Biloxi Gulfport" & ESPN sports	W	0600	6/10	BD
1640	WTNI	Biloxi MS; ESPN "Sports radio 14-90 WXBD Biloxi, 16-40 WNTI Biloxi. The Team"	F/G	0600	6/10	PC
1650	WHKT	Portsmouth VA; "You're listening to AM 16-50 WHKT Portsmouth, Conservative Talk Radio for Hampton Roads" & CBS News	W	0500	10/10	BD
1650	WHKT	Portsmouth VA; "You are listening to 16-50 WHKT Portsmouth. Conservative talk radio for the Hampton Roads" and into CBS News	F	0500	20/10	JW
1650	WHKT	Portsmouth VA; "Midnight Radio Network", ID, CBS News	343	0558	20/10	MvA
1650	WHKT	Portsmouth VA; "WHKT Portsmouth Conservative Talk Radio"	G	0600	20/10	SW
1650	CINA	Mississauga ON; "on 16-50 AM this is Cina radio	F	0600	6/10	PC
1650	CINA	Mississauga ON (presumed); Hindi songs	F	0601	16/10	JW
1650	CJRS	Montréal QC; French talks, news	322	0408	20/9	MDe
1660	WCNZ	Marco Island FL; jazzy tunes then ads including one for Naples – OM with "The Avenue" then back to music	F	0549	23/10	JW

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1660	WQLR	Kalamazoo MI (tentative); ID as "ESPN", sport	332	0203	19/9	MDe
1670	KNRO	Redding CA; "KNRO Redding" and Fox Sports	vW	1000	21/10	mah
1670	CJEU	Gatineau QC; French talks "Vouz écoutez Radio Enfant"	322	0410	20/9	MDe
1670	CJEU	Gatineau QC; French songs by children	F	0551	16/10	JW
1680	WTTM	Lindenwold NJ; Latin rhythms & "WTTM Lindenwold Philadelphia"	W/F	0558	13/10	BD
1680	WTTM	Lindenwold NJ; lively SS music OM with ID "WTTM Lindenwold ..."	W	0559	13/10	JW
1690	CHTO	Toronto ON; "You are listening to the Greek community Hour on CHTO"	F	0004	5/10	SW
1700	KVNS	Brownsville TX; "This is Classic Hits 17 hundred" & oldies	W	0602	29/9	BD
1700	KVNS	Brownsville TX; oldies, Monkey's "Daytime Believer"	F	0618	4/10	JW
1700	KVNS	Brownsville TX; Classic Hits	332	0542	8/10	MDe

Many thanks to the following reporters:

- AB Andrew Brade, Holme-on-Spalding Moor, East Riding of Yorkshire. AOR AR 7030 plus and Perseus SDR, Wellbrook phased array 290°, 305m beverage at 220°. Recording on Sony MZ-NH1 minidisc + Total Recorder.
- BD Barry Davies, Carlisle, Cumbria. Perseus, 3.7m x 10.0m Flag + FLG100 amp.
- FW Friedhelm Wittlieb, Lünen, Germany. Grundig Satellite 700 with martens fram-antenna.
- JW John Williams, Hemel Hempstead, Herts. AOR 7030, 40m long wire; from 12 October flag antenna 3.0m x 6.4m.
- LB Leonardo Bolli; Matelica (MC), Italy; RF Space SDR-IQ, Kenwood R-5000, Wellbrook ALA1530S+.
- mah Martin Hall, Clashmore, Sutherland. Perseus SDR, RPA-1 preamp, beverages: 513m at 233°, unterminated; 506m at 279°, terminated; 550m at 338°, terminated. Total Recorder.
- MDe Maurits van Driessche, Zele, Belgium. Perseus and R&S EK07/D2, Supper Kaz 275 degrees and 75 degrees, MFJ 1026, 2 x preamp 20 dB, DBX 1215, Ediol UA-25EX (new, works great).
- MvA Max van Arnhem, Hoenderloo, The Netherlands. AOR7030+; KAZ 35, 70, 160, 250, 290, 340 degrees.
- PC Paul Crankshaw, Troon, Ayrshire; Perseus SDR, Flag antenna, RPA-1 pre-amp, MFJ-1025 Phaser (modified).
- PL Paul Logan, Lisnaskea, Northern Ireland. Perseus SDR with either terminated loop or 150 foot longwire.
- Rha Ronald Hagensen, Ottersberg, Germany. AOR7030+, 22m at 315°, 28m at 290°, 325m at 345° & 115m at 065°, coupled with the Mizuho AT-2000.
- SW Steve Whitt, High Catton, Yorkshire. AOR7030+ and dual reversible K9AY loop antennas.

A very warm welcome to **Leo**, who tells us: "You'll find in attachment my first contribution to MW Circle. I hope you could appreciate it, and I hope the format is correct. I like a lot the fanzine ... I'm really happy to contribute. Unfortunately bad condition from North America until 20/10". *Yes, many thanks for your first contribution – the format was fine. I forwarded your Eurologs to John Williams, and only included your logs from outside Europe here – mah.*

On returning from his vacation, **Friedhelm** "was joyfully surprised to have a detailed QSL of WBBR New York (1130) in the post office. My first TA-QSL on the medium wave. And after approximately 40 years the DXing!"

Thanks to **Ronald** for sending us photos of his beverage, which appears at the bottom of the next page. Paraphrasing his message, he writes: "Conditions still not better than last month ... transatlantic signals coming through for only short periods! October was not DX friendly and early

morning was a disaster with mostly strong Europeans with DX stations station only possible for five minutes or so at a time!! Hope the November and December will bring better DX conditions and perhaps also a few west coast stations”?

Commenting on propagation, **Barry** writes: “Last month I referred to October being a key DX month. Alas, like our friends in Scandinavia, it did not produce the excellent NA DX I heard last season here in Carlisle. I will now moderate my anticipation and hope that November produces at least a couple of good catches hi!”

**Max** also says: “A bit disappointing conditions. However there was a nice highlight: On Oct 17th, I had a very nice signal of a personal first: Radio Cordillera from Bogotá, Colombia. Around the same time PJB Bonaire on 800 kHz was heard. Hopefully the K index gets down to lower values the coming time”.

**John** tells us about his improved antenna: “On October 12<sup>th</sup> I moved on to a flag antenna (10ft x 21ft), and this is clearly making a difference. **Mark** Davies in Anglesey rang me a couple of weeks earlier about Euro stations and we got chatting and he told me he was experimenting with a flag and that it was easy to put up. He offered to send me a balun and resistor and I purchased the recommended wire - put it up and what a difference it has already made. I’ve heard a few I have not heard for ages - WSYR, WSM - and it was also good to hear the Chicago stations. Conditions though have been mixed, some days very little coming through and today 26th I could count them on one hand”.

Another commenting on antennas is **Paul C**: “Conditions have been fairly poor here, with just the occasional opening to the Midwest or beyond. The morning of 24 October was, however, quite remarkable with a large number of Cuban and Florida stations heard. I’m not sure if it was anything to do with converting my antenna from a ewe to a flag the day before - I suspect not. The change, however, was only temporary since I felt I was getting a lot more splatter, and for the moment I’m back to the ewe.

Here in **Clashmore** the first few days of October saw good conditions to the prairies and west coast, with some openings to Mexico also being in evidence. The 15<sup>th</sup> brought in the first Alaskans of the season, whilst the 21<sup>st</sup> was probably the best day for DX, with west coast, prairies, and Alaskan stations coming in well, plus a few Asians in the afternoon. Meanwhile the last few days of September and October provided good evening reception of US daytimers.

The **deadline** for the December DX Loggings is **Tuesday 23rd November**. I look forward to receiving your logs by then, preferably electronically/via e-mail using the Word pro-forma, which is available from the “Files” section of our Yahoo Group; **very many thanks** to all those members making the effort to submit contributions following the format used in DX Loggings.

73, Martin





# VERIFICATIONS SECTION

✉ Kreuzstraße 4, 44532 Lünen, Germany

with Friedhelm Wittlieb

e-mail: verifications@mwcircle.org ☎ 0 32 12 – 107 79 39

<u>Station</u>	<u>kHz</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>who</u>	
<b><u>EUROPE</u></b>						
<b><u>Austria:</u></b>						
R. Africa, Vienna	<u>1</u>	1470	lt.	1770 days	HS	
R. Africa, Vienna	<u>2</u>	1470	cd, lt	57 days	HS	
<b><u>Estonia:</u></b>						
Tartu Family Radio		1035	cd, px	93 days	HS	
<b><u>Finland:</u></b>						
China Radio Int., Pori		963	cd, paper figures	36 days	HS	
<b><u>France:</u></b>						
France Blue, Alsace, Strassbourg		1278	lt	9 days	HS	
France Info, Lyon		603	cd, lt, Sticker	8 days	HS	
<b><u>Germany:</u></b>						
SWR Baden-Baden		576	cd, Sticker, px	28 days	HS	
Hess. Rundfunk		594	cd	14 days	HS	
Oldie Star, Berlin		603	lt	6 days	HS	
Voice of. Russia, Berlin-Zehlend.		693	cd, px	64 days	HS	
NDR, Hannover		828	cd	14 days	HS	
NDR, Hamburg		972	cd	73 days	HS	
Voice of Russia, Wachenbrunn		1323	cd	34 days	HS	
ERF Wetzlar, Mainflingen		1539	cd	16 days	HS	
<b><u>Greece:</u></b>						
R. Filia – ERT 5, Athens		666	cd, px folder	52 days	HS	
<b><u>Hungaria:</u></b>						
R. Vatican (via Magyar Katolikus Radio)	<u>3</u>	810	cd	1438 days	HS	
<b><u>Italy:</u></b>						
RAI Toscana, Pisa-Coltano	<u>4</u>	657	letter in Italian +SASE	f/d email	9 weeks	SS
RAI Emilia-Romagna, Rimini		999	letter in Italian +SASE for 2009 report	f/d card	7 weeks	SS
RAI Sardegna, Sassari	<u>5</u>	1143	letter in Italian +SASE for Feb 2010 report	p/d letter	6 weeks	SS
Radio Verona		1584	letter in Italian +SASE for Feb 2010 report	f/d letter	2 weeks	SS
<b><u>Kaliningrad:</u></b>						
Voice of Russia, Kaliningrad		1215		cd, px	41 days	HS
<b><u>Luxembourg:</u></b>						
KBS R. Korea, Marnach		1440		cd, lt, mx-CD	30 days	HS
<b><u>Monaco:</u></b>						
CRI, Le Col de Madonne		702		cd, Journal	47 days	HS
<b><u>Netherlands:</u></b>						
R. 538, Hulsberg		891		lt, infos, sticker	32 days	HS

Groot Nieuws, Flevoland	1008	2 IRC	lt (PPC), lt, infos	17 days	HS
Radio Barones, Ab Neede	1638	IRC	cd	239 days	HS

**Poland:**

R. Polonia, Raszyn	198		cd	27 days	HS
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**Romania:**

R Sighet	<u>6</u>	1404	email	f/d email	2 days	SS
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**Russia:**

CRI Moscow		738	letter	f/d card	8 weeks	SS
Deutsche Welle, St. Petersburg		1188		cd	41 days	HS

**Slovakia:**

R. Patria, Bratislava		1098	email	cd (RSI)	38 days	HS
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**Slovenia:**

RTS Nemcavci	<u>7</u>	558	letter	p/d letter	3 weeks	SS
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**Spain:**

COPE Zamora	<u>8</u>	1269	letter in Spanish +SASE	f/d letter	5 weeks	SS
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RNE Andalucia, Sevilla	<u>9</u>	684	letter in Spanish +SASE	f/d email	6 weeks	SS
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COPE Ibiza, Eivissa	<u>10</u>	837	letter in Spanish +SASE	p/d mail	5 days	SS
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RNE Castilla La Mancha, Cd. Real	<u>11</u>	1305	letter in Spanish +SASE	f/d email	3 days	SS
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SER Jaen	<u>12</u>	1026	letter in Spanish +SASE	f/d card	3 weeks	SS
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SER Reus		1026	letter in Spanish +SASE	f/d card	5 weeks	SS
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SER Mallorca		1080	letter in Spanish +SASE	f/d card email attachment	3 days	SS
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**Sweden:**

Radio Sweden, Hörby	<u>13</u>	1179		cd.	9 days	HS
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**Switzerland:**

DRS Musigwälle, Beromünster	<u>14</u>	531		cd, lt. Infos	14 days	HS
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**Turkey:**

TRT Cukurova	<u>15</u>	630	IRC	lt.	66 days	PR
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**NORTH AMERICA**

**Canada:**

CKIM Baie Verte, NL	<u>16</u>	1240	e-report	f/d email	3 days	MM
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**USA:**

WMCA New York, NY	<u>17</u>	570	e-f/up	cd	1 day	MM
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WLS Chicago, IL.	<u>18</u>	890	e-f/up	email	1h	MM
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WBBR New York	<u>19</u>	1130	lt	cd	30 days	FW
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WPHT, Philadelphia	<u>20</u>	1210	e-f/up (2nd)	email	8min	MM
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WMBD Peoria, IL.	<u>21</u>	1470	mail report and e-f/up.	email with pdf QSL-letter.		MM
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WVON Chicago, IL.	<u>22</u>	1690	Short email at 6th e-try		2days	MM
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KVNS Brownsville TX.	<u>23</u>	1700	mail reports and e-f/up	short confirming email in 21 min		MM
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**SOUTH AMERICA**

**Colombia:**

HJKN R. UNICA, Bogotá.	<u>24</u>	1280	e-report	email	7days	MM
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**Ecuador:**

HCRS2 RADIO SUCRE 25 700 e-f/up email 4 days MM  
Guayaquil

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**UTILITY**

WE2XGR/6 PENN YAN (NY). 507,3 e-report email 160 min MM  
Experimental station 26  
IQX TRIESTE RADIO, Navtex. 27 518 e-report cd 34days MM

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**Note and Verifications Signers**

1: After sent Reminder

2: last day of transmitting 31.12.2008

3: after sent Reminder (29 days)

4: Zipoli Graziano, RAI WAY, Gestione Territoriale, Zona Territoriale, Zona di Firenze, Reparto CQ –  
Responsable, L.go De Gasperi 1, 50136 Firenze or [g.zipolo@rai.it](mailto:g.zipolo@rai.it)

5: Ing. Lino Gregorace, Rai Way S.p.A. Zona Sardegna, Via Baroni rossi 29, who also sent photographs of the  
Sasseri xmtr site

6: [doreltodea@yahoo.com](mailto:doreltodea@yahoo.com), email was provided from the local tourist organization “Sighet Online”

7: low power tx from Bratislava BC House with 1 Watt

8: Miguel Angel Rodriguez Mrtin, Administrador Cope Zamora

9: [director.se.rne@rtve.es](mailto:director.se.rne@rtve.es), Alicia Bonatera, Directora RNE-Andalucia

a second report for the La Linea transmitter to a/m email address remained unreplied

10: [direccion.ibiza@cadenacope.net](mailto:direccion.ibiza@cadenacope.net),

from Misse Garcia, Directora

11: Santiago Garrido Mateos, Medios Tecnicos, RNE Toledo

12: sent ancient card from EAJ61Radio Jaen “La Voz del Santo Reino”

13: last Day of transmitting on MW – 31.10.2009

14: last Day of transmitting on MW – 31.12.2008

15: Adress: TRT Cukurova Müdürlüğü, Ür Ocak Mah. İnönü Bulvari No 48, 33050 Mersin, Turkey – v/s: Ali  
Gündüz, Deputy Director of Cukurova

16: v/s: Richard King, Program Director. [rking@vocm.com](mailto:rking@vocm.com)

17: v/s: Stuart Engelke. [engineer@nycradio.com](mailto:engineer@nycradio.com)

18: v/s: Anabel Roda. [wls.management@citcomm.com](mailto:wls.management@citcomm.com)

19: v/s Michael Lysak

20: v/s: Marc M. Rayfield, Senior Vice President/Market Manager. [marc.rayfield@cbsradio.com](mailto:marc.rayfield@cbsradio.com)

21: v/s: Wayne R Miller, Chief Engineer. [wrm@jmpradio.com](mailto:wrm@jmpradio.com)

22: v/s: Todd Ronczkowski, Program Director. [todd@wvon.com](mailto:todd@wvon.com)

23: v/s: Tim Thomas, VP/Market Manager. [timthoma@clearchannel.com](mailto:timthoma@clearchannel.com)

24: v/s: Yaned Caro, Asistente Administrativa. [ycaro@todelar.com](mailto:ycaro@todelar.com)

25: v/s: Remigio Castillo, Ingeniero de Grabaciones remigio466@hotmail.com (thanks to Gert Nilsson for the  
email addr.!) )

26: v/s: Robert Raide, [rraide@roadrunner.com](mailto:rraide@roadrunner.com)

27: [romeradio.iar@srmsitalia.interbusiness.it](mailto:romeradio.iar@srmsitalia.interbusiness.it)

\*\*\*\*\*

**A:** what was received; **B:** what return postage was sent; **C:** Days to get a reply

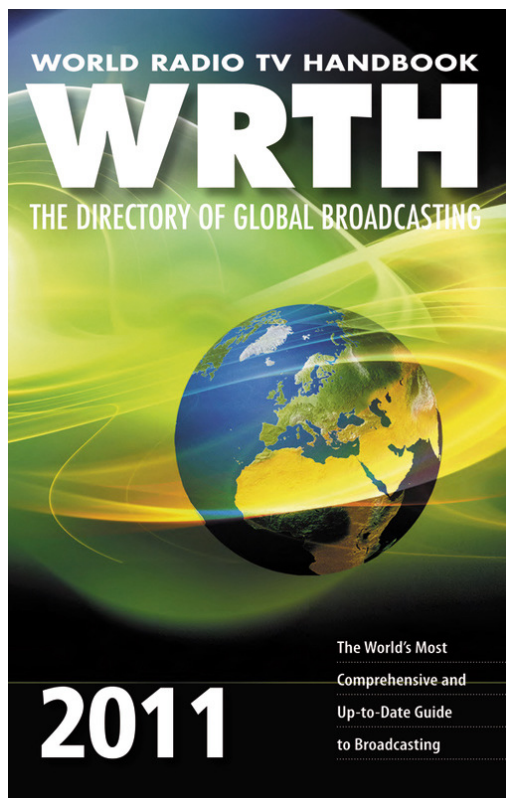
\*\*\*\*\*

**Contributors**

Many thanks to:

**FW** – Friedhelm Wittlieb, Lünen, Germany – **HS:** Harald Süß, Strasshoff, Austria - **PR:** Patrick Robic, Leibnitz,  
Austria - **MM** – Mauricio Molano, Salamanca, Spain; – **SS** – Stefan Schliephacke, Frankfurt Germany

73, Friedhelm (FW)



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