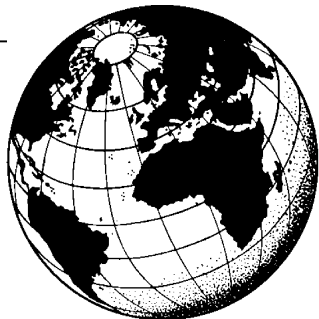
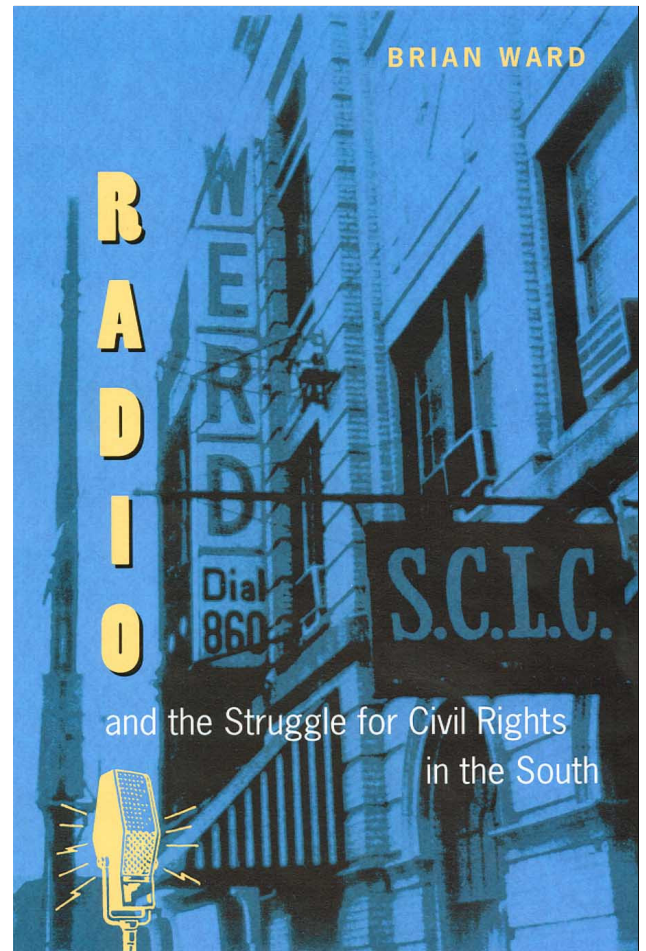


MEDIUM WAVE NEWS

MEDIUM WAVE CIRCLE

May/June 2007 Volume 53 No. 2



- ♣ *Members survey*
- ♣ *Digital Radio Devon*
- ♣ *Easter Island report*
- ♣ *Review: Sony ICF-EX5*
- ♣ *Solar cycle forecast*

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STOP PRESS:

This month we'd like to extend a warm Circle welcome to the following new members: Harold Hermanns, Seminole, FL; Gayln True Hall, Story City, IA

WELCOME TO THE CIRCLE!

Au revoir?

Sadly long running DX-Tuners website seems to have shut down for good. On 20 April 2007 it closed its world wide activities after 10 years of service. This service gave remote access to a wide array of sophisticated receivers and antennas all over the world. One could control & listen to these radios in real time using the internet to make the link.

Stop Press Deadlines:	30 th June for July/August 2007	25 th August for September 2007
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Cover illustration: Radio and the Struggle for Civil Rights in the South by Brian Ward pub 2004

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EDITORIAL

with Steve Whitt

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With this issue of MWN we are about to enter a so-called two month break before the next issue appears. Traditionally this was because MW listening tailed off during the long days & short days associated with a Northern Hemisphere summer. We still have the vast majority of members in the Northern hemisphere, but in recent years summer has continued to be busy with news and logs. So if you have anything of interest to other Circle members please remember to use the e-news list to get the word out and about.

Circle Website News:

Last month I reported the sad news surrounding the MWC website caused by Tony Hudson's resignation. After a lot of time consuming effort I'm pleased to say that we have resolved matters with Tony and that a new improved website is fully functioning.

The Circle and Tony Hudson have now come to an agreement over copyright and material on the Circle website. Tony has granted the Circle a Creative Commons Licence (CCL) that covers any material that was of his origination on the old website prior to April. This licence will allow the Circle to use and re-use material and to make derivatives as it desires. We've agreed to mention that the copyright dispute has been fully resolved, here and in MWN, and Tony will do likewise on his personal blog. We will also mention the CCL on the website www.mwcircle.org.

The enforced re-build of the website gave us the opportunity to make some changes. The new website has had the following changes made:

- Improved navigation structure –introducing a members section for the first time
- New look fully searchable gallery for QSLs & photos
- Various errors corrected and several documents and forms properly updated

Sadly we've lost the facility of the on-line WinRadio receiver but the good news is that RA Dixon Ltd contacted us to re-confirm the special offer on all Win Radio purchases. Circle members are still entitled to 10% off prices by quoting the code VIP10500203 in the Winradio.co.uk order page.

Publication: Broadcasts in English

The Summer 2007 edition is now available from the British DX Club. It was compiled by Dave Kenny and includes details of all known international broadcasts in English on SW and MW for the A07 schedule period, as well as selected domestic English-language broadcasts on short wave. The 32-page booklet is in time order and covers all target areas. Transmitter sites are included wherever possible, plus schedules of DX programmes, Digital Radio Mondiale (DRM) and World Radio Network services in English to Europe. Prices (includes postage): UK: £2.50 sterling

Europe: 5 Euros or 6 IRCs Rest of World: US\$7 or 7 IRCs. Sterling payments by cheque/postal order to "British DX Club" or via Paypal. Dollar or Euro payments by cash or Paypal. Orders to: British DX Club, 10 Hemdean Hill, Caversham, Reading RG4 7SB, UK. Web: www.bdx.org.uk

Finally

This month I have tried to avoid carrying over any articles which has meant a full size magazine, but a somewhat shorter Editorial than I'd have liked. Until next time have a good break and early summer ☺

73s *Steve*

P.S. I'd like to wish David Towers a speedy recovery to good health.

IONOSPHERIC REPORT

from U.S. Dept. of Commerce, NOAA, Space Environment Center

Daily Geomagnetic Data

Date	Middle Latitude -- Fredericksburg --								High Latitude ---- College ----								Estimated ---- Planetary ----											
	A	K-indices							A	K-indices							Ap	K-indices										
2007 03 28	6	2	3	2	1	1	1	1	1	8	2	2	3	3	2	1	1	1	1	7	3	3	2	1	0	1	0	1
2007 03 29	2	1	1	0	0	0	0	1	2	1	1	0	0	1	1	0	0	0	2	2	1	1	0	0	1	0	0	1
2007 03 30	3	2	1	1	2	2	0	0	0	7	2	1	1	4	3	0	0	0	4	4	2	1	0	2	2	0	0	1
2007 03 31	2	0	0	1	1	1	0	1	2	3	0	0	0	3	1	1	0	1	3	3	1	0	0	1	1	1	0	3
2007 04 01	17	3	3	4	3	3	2	3	4	40	4	4	6	5	6	4	3	3	30	5	4	5	4	4	3	3	4	
2007 04 02	16	3	4	3	2	2	4	3	3	39	3	5	6	6	5	3	3	2	24	4	5	5	3	2	2	3	3	
2007 04 03	10	3	3	2	2	2	3	1	2	16	3	2	4	4	1	4	3	2	11	2	4	2	2	1	3	3	2	
2007 04 04	6	2	3	2	1	2	0	2	1	13	3	3	3	4	3	2	1	1	8	3	3	2	2	1	1	1	2	
2007 04 05	3	1	1	1	0	1	1	1	1	4	1	1	2	0	1	2	0	2	4	1	1	2	1	1	1	0	2	
2007 04 06	2	1	2	1	0	0	1	1	0	3	1	1	3	1	0	0	0	0	4	1	2	1	1	0	1	1	1	
2007 04 07	2	2	1	0	0	1	1	0	0	2	2	1	0	0	1	0	0	0	3	3	1	0	0	0	0	0	1	
2007 04 08	2	0	0	0	1	1	1	0	2	2	0	0	0	1	0	0	0	1	3	0	0	0	0	0	0	0	3	
2007 04 09	8	3	3	3	2	1	1	1	1	11	3	3	3	4	3	0	0	1	9	4	3	3	1	1	0	1	1	
2007 04 10	6	2	0	0	2	3	2	1	2	6	1	0	0	3	3	2	2	1	7	2	0	0	1	2	3	2	3	
2007 04 11	3	1	2	1	1	0	0	1	1	2	1	1	1	0	0	0	0	1	4	2	2	1	0	0	1	0	1	
2007 04 12	7	2	2	1	2	3	2	1	1	15	2	2	1	5	5	2	1	0	8	2	2	1	3	3	2	2	1	
2007 04 13	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	1	
2007 04 14	3	0	1	1	0	2	1	0	2	2	0	1	1	0	0	1	0	1	4	0	1	0	0	1	2	1	3	
2007 04 15	2	1	1	1	1	1	0	0	0	4	1	2	2	2	1	1	1	0	4	2	2	1	1	1	0	0	0	
2007 04 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
2007 04 17	6	0	2	2	2	2	1	1	3	-1	0	1	1	4	-1	3	3	1	8	1	1	1	2	2	2	3	3	
2007 04 18	6	3	2	1	1	1	1	2	2	5	2	2	2	1	1	1	1	2	9	4	3	1	1	1	1	2	3	
2007 04 19	4	2	2	2	1	1	0	1	0	8	2	1	3	4	2	1	1	0	6	3	2	2	1	1	0	0	1	
2007 04 20	2	1	1	1	0	0	0	0	1	2	1	1	1	0	0	0	0	1	3	1	1	1	1	1	0	0	2	
2007 04 21	2	1	1	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	2	1	1	0	0	0	1	1	1	
2007 04 22	8	2	2	1	2	2	1	3	3	10	2	2	1	4	3	3	1	1	10	2	2	2	2	3	3	3	3	
2007 04 23	10	3	4	4	1	1	1	0	0	11	4	4	4	1	0	2	0	0	18	4	5	4	1	1	2	1	1	
2007 04 24	5	1	1	0	0	1	3	2	2	3	2	1	1	0	1	1	1	1	4	2	1	1	0	1	2	2	2	
2007 04 25	4	2	2	1	1	2	1	1	0	3	2	1	0	0	1	2	2	0	5	3	1	0	0	2	2	1	1	
2007 04 26	4	2	0	0	0	1	3	2	1	3	2	0	0	2	1	1	1	1	6	2	0	0	0	2	3	2	2	
2007 04 27	10	2	2	2	2	3	3	2	3	14	1	1	1	4	4	3	2	4	16	3	1	1	3	2	4	4	4	
2007 04 28	20	4	4	4	3	3	3	3	3	43	4	4	5	7	5	4	3	3	26	5	5	4	4	3	4	4	3	
2007 04 29	16	5	3	3	3	2	1	2	3	20	3	4	4	5	3	3	2	2	23	5	5	5	4	2	2	2	3	
2007 04 30	13	4	4	4	2	1	2	1	1	28	4	5	5	5	2	3	2	2	20	5	5	4	2	3	2	2	1	

Short term Forecast

UTC Date	Radio Flux 10.7 cm	Planetary A Index	Largest Kp Index
2007 May 03	70	5	2
2007 May 04	70	5	2
2007 May 05	70	5	2
2007 May 06	70	8	3
2007 May 07	70	8	3
2007 May 08	70	5	2
2007 May 09	70	5	2
2007 May 10	70	5	2
2007 May 11	70	5	2
2007 May 12	70	5	2
2007 May 13	70	5	2
2007 May 14	70	5	2
2007 May 15	70	5	2
2007 May 16	70	5	2
2007 May 17	70	5	2
2007 May 18	70	5	2
2007 May 19	70	10	3
2007 May 20	70	15	4

SOLAR CYCLE FORECAST

With NOAA/SEC

April 25, 2007

NEXT SOLAR STORM CYCLE WILL START LATE

Experts Split Over Intensity

The next 11-year cycle of solar storms will most likely start next March and peak in late 2011 or mid-2012 – up to a year later than expected – according to a forecast issued today by NOAA’s Space Environment Center in coordination with an international panel of solar experts.

Expected to start last fall, the delayed onset of Solar Cycle 24 stymied the panel and left them evenly split on whether a weak or strong period of solar storms lies ahead, but neither group predicts a record-breaker. The Space Environment Center led the prediction panel and issued the forecast at its annual Space Weather Workshop in Boulder. NASA sponsored the panel.

“The Space Environment Center’s space weather alerts, warnings, and forecasts are a critical component of NOAA’s seamless stewardship of the Earth’s total environment, from the Sun to the sea,” said retired Vice Adm. Conrad C. Lautenbacher, Ph.D., undersecretary of commerce for oceans and atmosphere and NOAA administrator.

During an active solar period, violent eruptions occur more often on the Sun. Solar flares and vast explosions, known as coronal mass ejections, shoot energetic photons and highly charged matter toward Earth, jolting the planet’s ionosphere and geomagnetic field, potentially affecting power grids, critical military and airline communications, satellites, Global Positioning System signals, and even threatening astronauts with harmful radiation. These same storms illuminate night skies with brilliant sheets of red and green known as auroras, or the northern or southern lights.

Solar cycle intensity is measured in maximum number of sunspots – dark blotches on the Sun that mark areas of heightened magnetic activity. The more sunspots there are, the more likely it is that major solar storms will occur.

In the cycle forecast issued today, half of the panel predicts a moderately strong cycle of 140 sunspots, plus or minus 20, expected to peak in October of 2011. The other half predicts a moderately weak cycle of 90 sunspots, plus or minus 10, peaking in August of 2012. An average solar cycle ranges from 75 to 155 sunspots. The late decline of Cycle 23 has helped shift the panel away from its earlier leaning toward a strong Cycle 24. Now the group is evenly split between strong and weak.

“By giving a long-term outlook, we’re advancing a new field—space climate—that’s still in its infancy,” said retired Air Force Brig. Gen. David L. Johnson, director of NOAA’s National Weather Service. “Issuing a cycle prediction of the onset this far in advance lies on the very edge of what we know about the Sun.”

Scientists have issued cycle predictions only twice before. In 1989, a panel met to predict Cycle 22, which peaked that same year. Scientists met again in September of 1996 to predict Cycle 23—six months after the cycle had begun. Both groups did better at predicting timing than intensity, according to Space Environment Center scientist Douglas Biesecker, who chairs the current panel. He describes the group’s confidence level as “high” for its estimate of a March 2008 onset and “moderate” overall for the two estimates of peak sunspot number and when those peaks would occur.

One disagreement among the current panel members centers on the importance of magnetic fields around the Sun’s poles as the previous cycle decays. End-cycle polar fields are the bedrock of the

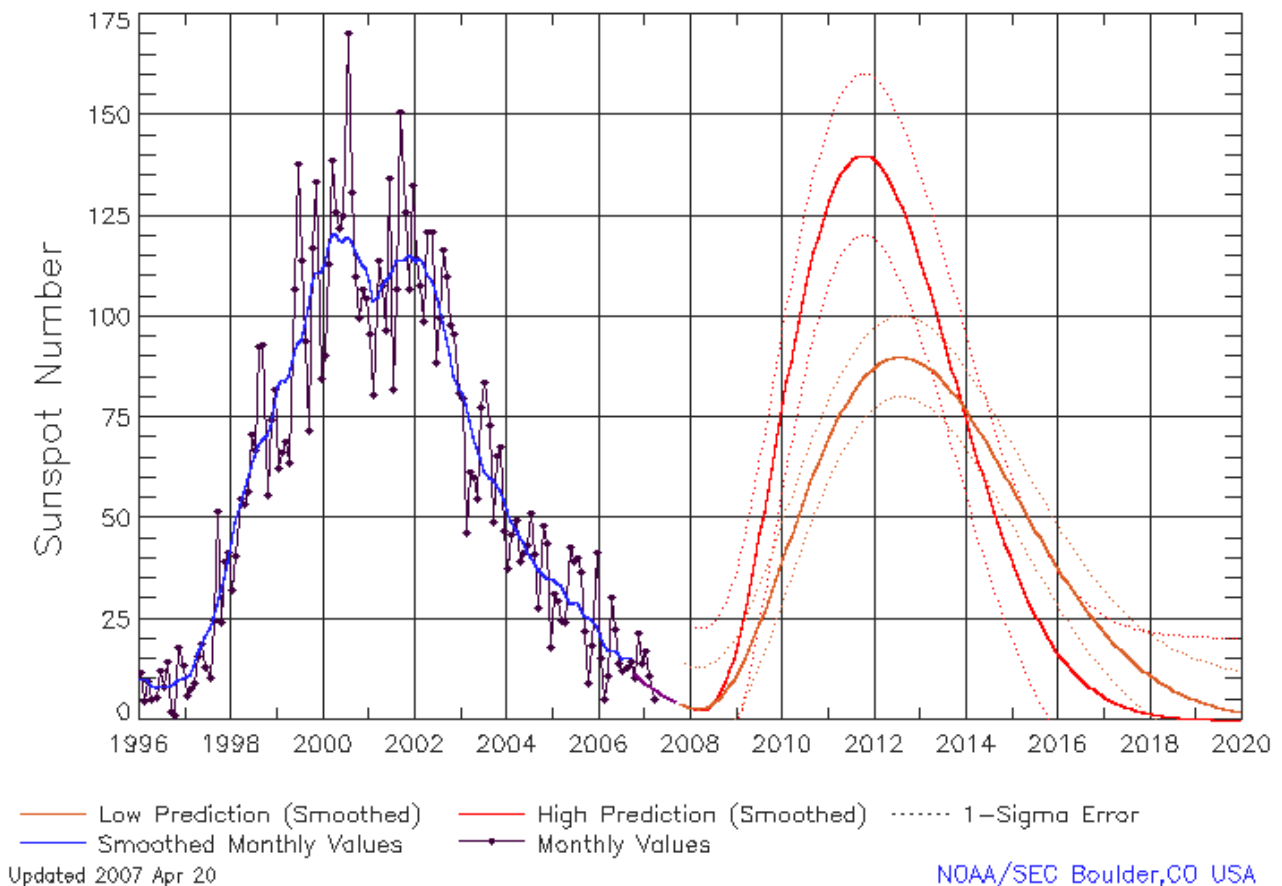
approach predicting a weak Cycle 24. The strong-cycle forecasters place more importance on other precursors extending over a several-cycle history. Another clue will be whether Cycle 24 sunspots appear by mid 2008. If not, the strong-cycle group might change their forecast.

The first year after solar minimum, marking the end of Cycle 23, will provide the information scientists need to arrive at a consensus. NOAA and the panel decided to issue their best estimate now and update the forecast as the cycle progresses, since Space Environment Center customers have been requesting a forecast for over a year.

“The panelists in each camp have clear views on why they believe in their prediction, why they might be wrong, and what it would take to change their minds,” said Biesecker. “We’re on the verge of understanding and agreeing on which precursors are most important in predicting future solar activity.”

NOAA’s Space Environment Center is the nation’s first alert of solar activity and its affects on Earth. Just as NOAA’s hurricane experts predict the upcoming season of Atlantic storms and forecast individual hurricanes, the agency’s space weather experts issue outlooks for the next 11-year solar cycle and warn of storms occurring on the Sun that could impact Earth. Both the National Hurricane Center and Space Environment Center are among nine National Centers for Environmental Prediction, part of NOAA’s National Weather Service. The Space Environment Center is also the world warning agency of the International Space Environment Service, a consortium of 11 member nations.

Solar Cycle 24 Sunspot Number Prediction
Data Through 31 Mar 07



REVIEW: SONY ICF-EX5

Gary DeBock (N7EKX) examines this portable receiver on Medium Wave

As most medium-wave DXers know, after Sony discontinued the highly sensitive ICF-S5W in 1981, it has never returned to the North American market with a medium-wave DX specialty portable. But a little known fact is that the Japanese market has had a phenomenally successful medium-wave DX receiver sold continuously since 1985... the Sony ICF-EX5. Since this radio was strictly designed for the Japanese market, to my knowledge, it has never been offered for sale here. In addition, since almost all of the documentation on the web is in Japanese, the existence and competitive suitability of this portable unit are generally unknown in North America. Intrigued with the Japanese reports of outstanding sensitivity and selectivity, I placed a couple of orders for the radios, eager to test them out against contemporary portables.

In my opinion, the ICF-EX5 project was Sony's attempt to improve the ICF-S5 design, by incorporation of double conversion circuitry, synchronous detection, and a more automated design. The ICF-S5 (and S5W, the North American model) was highly sensitive and selective, but suffered from mediocre image frequency rejection. Despite this notable shortcoming, the ICF-S5 radio was very popular in Japan, and the rarer S5W models are still highly sought after in North America, with decent units bringing \$250 or more on online auctions (or five times their original price).



Like the S5 design, the EX5 radio covers medium wave (530-1640 kHz), the Japanese FM band, and has crystal-controlled coverage of the 6 Japanese NSB shortwave stations (NSB 1 and NSB 2, on 3, 6, and 9 MHz, but the crystals do not allow any deviation from the NSB shortwave frequencies). Unlike the S5, the EX5 also includes the North American FM Band (total coverage of 76-108 MHz). The EX5 has an analog design like the S5, but extensive efforts were made to automate and compact the circuitry, with the result that the EX5 is lighter than the S5, despite having one more "C" battery. The S5 and S5W are easily aligned for peak sensitivity and can be quickly adjusted to cover 530-1700 kHz, but the internal adjustments for the EX5 are sparse, and full coverage of the X band seems unlikely without component changes (assuming one has a Japanese-language service manual!). AGC performance on this portable is commendable, as it can tune quickly from a strong local (KIRO-710) to a fringe station (CHMJ-730) without any delay in

AGC response. The EX5 has an AM sensitivity switch, and plug-in sockets for an earphone, and 6 VDC adapter (not included). The rear panel has connections for an external antenna and ground. However, since the internal ferrite bar antenna is not disconnected by this terminal, the bar antenna can compromise the performance of a strongly directional external antenna. While connection of such an antenna generally improves reception greatly (especially on the higher frequencies), it also increases image frequency susceptibility on the lower frequencies, and increases the risk of spurious signal generation adjacent to strong locals.



Also like the S5 design, the EX5 maintains an analog tuning dial, with the rather unique “linear scale” tuning system. In function, this means that frequency spacing is identical throughout the band, and that the tuning dial does not compress the higher frequencies into narrower segments. Although still an analog design requiring the user to “track” frequencies, this feature somewhat aids frequency determination, especially at the top of the band. As aligned by Sony, both review units had accurate dial calibration.

Physically, the EX5 very much resembles an ICF-2010, reduced in size about 20%. Whereas the 2010 has a keypad in the center right area, the EX5 has a list of Japanese stations arranged by frequency and locale. Obviously, this feature would be of little use in North America, except perhaps to TP DXers dreaming of targets. Even when filled with 4 “C” batteries, the radio is remarkably lightweight (1 kg).

Disassembly reveals circuit components very similar to the 2010, and the top edge even has the 2010’s shiny metal strip. The radio measures 10.25 x 5.5 x 2.25 inches, or 260 x 145 x 58 mm. As opposed to the S5’s green and red LED tuning display, the EX5 has a single red LED to indicate station tuning. The LED generally lights at the same signal level as the S5’s red LED.

Competitive Testing

The EX5 model was tested against three other Sony portable radio designs, for daytime ground wave weak-signal sensitivity, selectivity, image rejection, synch detector operation, and audio quality. To the maximum extent, all units were checked for normal operation, prior to the tests. The other units were all stock examples of the ICF-S5W, ICF-2010, and ICF-SW7600GR models. All the testing was done using live signals in side by side tests, without resorting to instruments.

Three relatively weak signals were tested, one at the lower end of the band (KONA-610), one in the middle (CFAX-1070), and one at the high end (KDZR-1640). Selectivity was tested by checking fringe KPQ-560 in the shadow of local KVI-570 (perpendicular), and by checking fringe CHMJ-730 adjacent to local KIRO-710 (both from the north).

Image frequencies were checked from very strong local KSUH-1450 (on 540 kHz), and spurious products were also checked, adjacent to this local pest. As this was strictly a competition between stock units, no attempt was made to connect an external antenna to any of the radios, so that the test data would be entirely based upon the internal circuitry. Neither was any attempt made to test the radios in an optimal DX location—they were all compared in a typical suburban environment, the Puyallup River valley, 40 miles south of Seattle, Washington.

EX5 vs. S5W

These two sibling designs have very much in common, since the EX5 is the Japanese-market replacement for the S5. Weak-signal sensitivity reception was absolutely equal on KONA-610 and

CFAX-1070, with the EX5 showing a very slight sensitivity advantage on KDZR-1640. However, for all practical purposes, there was no clear “winner” in this comparison, and any difference one may note is more likely due to individual alignment and/or component differences, rather than any circuit superiority.

Selectivity of the two designs is also remarkably similar, with both radios able to solidly receive KPQ-560 in the null of KVI-570, and CHMJ-730 adjacent to KIRO-710. However, in this comparison, the EX5’s synch detector was effective in reducing remaining splatter from the locals, giving it a significant advantage in listening quality (the S5W has no synch detector).

Image frequency reception was the primary criticism directed against the S5W, so I was curious to see how the EX5’s double conversion circuitry would address the problem. The S5W has a strong image on 540 from KSUH-1450 (enough to light the red LED in the tuning display). The EX5 has the same image on 540, but its strength is reduced by about half, so that it no longer sounds like a “local.” Further investigating the image matter, the S5W has a moderate image on 650 from KZIZ-1560 (in the null of CISL), but the image is almost inaudible on the EX5. In summary, there is a significant reduction of the problem on the EX5, but not a total solution.

The S5W has excellent audio for a portable, easily the best of any of these receivers. It has a relatively powerful speaker with good bass reproduction, and a continuously variable tone control. In this respect, the EX5, with its single-switch tone control and less robust speaker, comes up short by comparison. Its audio quality is fully adequate for DXing and pleasant listening, but not in the same league as the S5W.

EX5 vs. 2010

Obviously, the 2010 is an outstanding receiver, and has a wide range of functions that the analog EX5 cannot hope to emulate. But in a simple test of weak-signal sensitivity, the EX5 was more than a match for the 2010. In reception of the 3 weak signal stations, the EX5 (and its sibling, the S5W) consistently had a moderate but definite advantage in audio strength and quality over the 2010. KONA-610 and KDZR-1640 typically fade in and out here in the daytime, but the EX5 was always first to make the signals readable, and last to lose them to fades. CFAX-1070, by comparison, has a steady weak signal, but the EX5 usually makes the audio perfectly readable, in comparison to the 2010’s problematic reception.

In selectivity tests, however, the 2010’s stock narrow filter was a significant advantage in reducing local splatter. The reception of KPQ-560 was basically equal, with the synch detectors operating in a similar fashion (the sideband is manually switched on the EX5, however, and there is no LED to indicate lock). The EX5’s synch detector, when locked, was quite effective, although it requires somewhat more careful tuning than does the 2010’s circuit. CHMJ-730 has unavoidable splatter from KIRO-710, but the 2010’s narrow filter, in conjunction with the synch detector, made the splatter a little more tolerable than on the EX5. With the exception of the 2010’s narrow filter, however, basic selectivity of the two radios is very similar.

As mentioned earlier, since the EX5 has a minor image frequency issue, I was curious to compare this aspect with the 2010. The 2010 has absolutely no image of KSUH-1450 on 540 (or any other images), but it does suffer from spurious products on 1425 and 1475 (moderate strength), and on 600 (weak strength), none of which show up on the EX5. So, in judging the units’ ability to reject image and spurious products, one could conclude that they are roughly similar.

Audio quality is another quite similar comparison. Neither of these radios will ever win audio awards, but the 2010’s larger speaker and more powerful audio circuitry give it a slight edge. Both are fully functional for pleasant DX and local reception, however.

EX5 vs. SW7600GR

Again, the SW7600GR is a great value as a shortwave portable, and has many digital functions that the analog EX5 cannot match. But since both of these units retail for about \$160, this comparison should be particularly interesting to medium-wave enthusiasts searching for an inexpensive first receiver.

Sensitivity tests on the three weak-signal stations revealed the EX5 as having a definite advantage, to a slightly greater degree than with the 2010. Before the fade-prone signals of KONA-610 and KDZR-1640 were audible on the SW7600GR, they were already easily readable on the EX5. CFAX-1070 was always perfectly readable on the EX5, but was close to the SW7600GR's noise level. The SW7600GR's unique synch detector circuit was switched on to assist in reception quality, and it did make a noticeable difference in readability, although not enough to bring it close to the EX5's reception level.

In the selectivity tests, the SW7600GR had problematic reception of KPQ-560 in KVI-570's null, but this was probably due to a sensitivity limitation, in my opinion. The CHMJ-730 test was much more competitive, with both the SW7600GR and EX5 limiting KIRO's splatter to a similar degree. With the two synch detectors switched on, the SW7600GR and EX5 can both eliminate most of the splatter, but as with the 2010, the EX5's synch circuit requires more careful tuning than does that of the SW7600GR. Overall, however, selectivity of the two designs is very similar, since neither has a narrow filter.

The EX5's image frequency rejection has already been thoroughly reported, but tests revealed that the SW7600GR also had a strong KSUH-1450 image on 540, a moderate KZIZ-1560 image on 650, as well as a moderate KSUH spurious signal on 600, which the EX5 did not have. In this respect, it must be said that the EX5 has a slight edge in image and spurious signal rejection.

As with the 2010, the audio of neither of these receivers will come close to high fidelity, but since the EX5's speaker and audio are slightly more powerful, it must be given the edge in this aspect.

Verdict

The ICF-EX5 was never designed to compete with the multi-function digital shortwave receivers. For 22 years, it has excelled in the tough Japanese market for one simple reason: it delivers excellent value as a highly sensitive and selective medium-wave portable. Because of its lightweight portability and relatively low price, it is the receiver of choice for many Japanese medium-wave enthusiasts (which, incidentally, comprise a larger market share in Japan than they do in North America). All of the tested receivers are common in Japan, and the Japanese themselves have run similar comparison tests (posted on the web), generally confirming my own results.

- Despite this, the analog ICF-EX5 is obviously not suitable for everybody. Lacking digital readout, a BFO, and memories, it is certainly not a logical choice for transoceanic DX. Despite complete disassembly of the radio, I have yet to find adjustments that would extend frequency coverage to 1700 (the stock circuit will go up to 1640). And if you dislike the idea of analog tuning, or cannot live without memories, you will probably dislike the ICF-EX5.
- However, for medium-wave DXers primarily interested in domestic (or Western Hemisphere) DX, at a price of \$173 delivered, the radio certainly provides tremendous value for those interested in high sensitivity, selectivity, and portability. At 1 kg (2.2 pounds), it is a logical choice for a high-performance travel portable. And for those who have always wanted an ICF-S5W, but don't wish to pay \$250 or more for a rare decent unit on eBay, this is a chance to obtain a new sibling unit with significant improvements, all at a lower price.

Supply Sources

To assist those interested in purchasing an ICF-EX5, I have investigated three possible sources, and have placed orders with two of them.

Audio Cubes (<http://www.audiocubes.com>) has the radios in stock, and offers them at a price of \$173.00 US delivered (\$159.00 plus \$14.00 for EMS shipping). I placed an order with this company, and they have my highest recommendation. My radio arrived within 2 weeks, well-packed, and with good communication throughout the entire process. Audio Cubes, in Osaka, Japan, allows you to pay with PayPal, credit cards, money orders, wire transfers, or even personal checks. The Audio Cubes website also has extensive information, in English, about the ICF-EX5, including a nice photograph.

Nichiei Musen Company (<http://www.nichiei-musen.co.jp>) can special order the radio for you, and quoted a price of \$184.00 US delivered (\$159.00 plus \$25.00 for EMS shipping). Despite their website claims, however, the only form of payment they would accept was a bank wire transfer, which typically entails a \$25.00 fee here in the U.S. Because of this, and because of an unclear warranty policy for service and repair, I did not place an order with them.

Japan Direct Company (<http://www.japan-direct.com>) can also special order the units for you, and offers extremely fast shipping (within 1 week). Unfortunately, this comes at a high price: \$265.00 US delivered (\$222.00 plus \$43.00 for shipping, handling and insurance). Thinking that some readers might wish to go this route, I placed an order with them. It was not a wise decision. My radio did indeed arrive within a week, but inside a shopping bag (apparently as a customs dodge), and had alignment problems (probably due to the rough transoceanic trip). My experiences with Japan Direct could fill an entire page, but I will spare you the unpleasant details, and simply say that after payment of an additional \$70 for postage both ways, I had a replacement radio equal in performance to the one from Audio Cubes. Readers are free to draw their own conclusions.

Disclaimers

Although this review of the ICF-EX5 was done with the utmost effort for accuracy, it is not possible to please everyone, when radios are directly compared. I am fully aware that proponents of other portables may not readily accept the results; that is understandable. There has always been a controversy about which portable is best for medium-wave DX, and my own subjective opinion is that all of the tested units have a claim for the title—in their own way. For the sceptics, I can only recommend that they withhold judgment until they actually test an ICF-EX5 next to their favourite portable, and then make a reasonable conclusion. After all, at a price of \$173.00 delivered, it is within financial reach of most of us. Finally, I should state that I have no financial connection to Sony, Audio Cubes, or any other company mentioned in this review, and that if my review has disturbed preconceived notions of receiver superiority, I offer my sincere apology. On the other hand, if you agree with my conclusions and find this review useful, I am more than willing to assume all the credit J.

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(My sincere appreciation is given to Nick Hall-Patch, for his extensive encouragement and help, in preparation of this review). This article first appeared in IRCA.

MEMBERS SURVEY

with Clive Rooms

Thank you to the 35 members who filled in all or most of the member's survey concerning their MWN likes and dislikes.

rank	Topic	Previously	Like votes	Dislike votes	Like-Dislike
1	Home Front	4	10	-	10
2	World News	-	6	-	6
3	General MW news	2	5	-	5
4	All/Most	4	4	-	4
5	Eurolog	6	3	-	3
5	Radio History	-	3	-	3
5	Feature Articles	8	3	-	3
8	DX Loggings	1	4	3	1
8	Technical Articles	2	2	1	1
8	MW only magazine	-	1	-	1
8	Mailbag	8	1	-	1
8	RSL news	-	1	-	1
8	Rx & Antenna reviews	7	1	-	1
14	Utility Column	16	1	2	-1
15	Nothing**	17	-	10	-10

** actually is a positive comment as 10 members said there was nothing they did not like about MW News.

I'm a little surprised that the DX Loggings have taken such a tumble down the ladder as the loggings are the mainstay of any DX magazine. It's nice to see that The Home Front is doing so well at the top with the World News under the editorship of Renato quite close behind.

As we do each year, we asked the question; What has improved/got worse over the past 12 months? Three members thought that the return of the Utility column had been an improvement for MWN. Yes, I would agree with that as it adds variety to the magazine. One member thought that MWN had become more varied, another thought that both DX Loggings and Home Front had improved over the past year. Another member thought that the website had improved in the past 12 months, and yet another member liked the fact that the Circle now has more CDs for sale. Nobody thought that anything at all had got worse over the previous year which is nice to hear!

Another question we asked was how many years they had spent in the radio hobby. Two members had spent 1-10 years, 3 members 11-20 years, 3 members 21-30, 13 members 31-40, 6 members 41-50, 2 members 51-60 and one member has been in the hobby for 60+ years!

Once again, we conducted a survey into member's receivers and aerials that they were currently using. Once again the AOR 7030 has finished at the top of the receivers list, and the good old reliable outdoor longwire has finished top again in the aerials section. Here are the results.

AOR 7030 [incl +]	6	AOR 5000	1
NRD 545	5	RA17L	1
Lowe HF225	3	Drake R8E	1
Lowe HF 150	2	Grundig Satellit 3400	1
Sony ICF 2001D	2	Grundig Satellit 700	1
Drake R8B	2	Grundig YB 210	1

Icom R75	2	Grundig YB 400	1
Grundig Satellit 2100	2	DX 394	1
Racal 1772	2	Roberts R983	1
Eton E1	2	Icom 8500	1
Sangean ATS909	2	Icom IC 518	1
M Richards DRM	2	FT 817	1
Sony ICF SW35	2	Trio R1000	1
AR 88D	1	FT 100	1
McKay DR 101	1	Palstar R30	1
NRD 535	1	Sangean ATS 803A	1
Ten Tec 340	1	Drake SW8	1
Marconi CR 100	1	Kenwood R2000	1
Icom 9000	1	Drake SPR4	1
FRG 7700	1	Sony ICF SW 7600G	1
CCRadio	1	Digitor PR D3L	1
IC 703	1	Icom R71A	1
Sony ICF SW40	1	TRG 100	1
FT 840	1		

Now for the aerial survey.

Outdoor longwire	10	G5RV	1	WBD22 Trap Dipole	1
Indoor Loop	7	Conical Dipole	1	Worcester Space Mag.	1
Wellbrook ALA 1530	5	Datong AD270	1	Wellbrook ALA 150	1
Wellbrook Loops	3	ATL 2 Loop	1	Dressler ARA 60	1
EWE	2	Sony AN1 Active	1	Super KAZ	1
Indoor Longwire	2	Wellbrook LFL 1010	1	Vertical	1

As usual, we asked; “What would you like to see in Medium Wave News.” As usual, we got quite a varied selection of answers. Three members would like to see more receiver/antenna reviews. I think most members would echo that but I’m sure that Steve fits them in the mag as and when they become available. A couple of members wish to see more articles concerning stations that are no longer broadcasting, and another 2 members would like to see more on stations such as Mainflingen etc. One member would like to see more technical articles, whilst another wants to know how to make overnight unattended recordings of stations. Four of our members would like to read more about DRM, and another would like to see more articles from members. One or two members did actually mention on their members survey that they might be able to write something for MWN. If you are one of those members, I’m sure that Steve Whitt would be really interested to hear from you. Why not contact him as he would only be too happy to offer any help or advice that would make the task a little easier for you.

In the thoughts/comments section, one member mentioned that he found the Sheigra DXpedition article by John Faulkner very interesting. Another member thinks that a MWC Conference would be a good idea! Not so sure about that as I can’t imagine too many members attending no matter where it was held. I regularly attend the Reading DX meetings, as I have done for the past 25 years, and it’s mainly the same people who attend all the time. If any Circle members wish to meet up with other Circle members, several attend the Reading meetings, why not make an effort to turn up for one of the meetings?

DIGITAL RADIO DEVON

with John Williams

It's all gone quiet on 855 kHz!

Are you wondering why BBC Radio Devon's 855 medium wave frequency has gone quiet? Tom Everest from BBC Distribution explains why your favourite programmes have disappeared from this frequency.

“BBC Radio Devon on 855 in Plymouth was switched off on 1 April 2007, so the frequency can be re-used for a trial of digital medium wave from the end of April. While listeners can keep enjoying BBC Radio Devon on FM and DAB digital radio, there is currently nothing being broadcast on the old 855 frequency.



The BBC first started to use 855 in Plymouth in November 1978. The first service to be broadcast was BBC Radio 4. When BBC Radio Devon started just over four years later, the frequency was transferred over to the new station. This is the first time in a generation that nothing is being broadcast at that place on the dial – and that's quite interesting for the engineers involved in researching digital medium wave. Whenever you're listening to your favourite programmes, the radio station you are receiving is not the only radio signal being picked up on that particular frequency.

Your radio has to make sense of a jumble of different signals, but most of the time the thing you want to hear – BBC Radio Devon – is louder than anything else and effectively drowns the others out. At other times, especially on medium wave, you might hear the distant sounds of a foreign broadcaster underneath the programme you're trying to listen to.

For example, listeners to the old medium wave service on 855 may be familiar with the sounds of Spanish radio, as we shared our frequency with a transmitter for Radio Nacional de España in Murcia, Spain. Not all of the other signals come from broadcasters. All sorts of other things generate signals which can affect your enjoyment of the radio.

Some of these – lightning strikes, and the background signals of the universe emitted by stars – are natural. While others, like the signals emitted by power lines and sparking electric motors, are man-made. The engineering term for these signals is 'noise'.

Now that the Radio Devon signal has been turned off, our engineers are keen to find out more about the amount and type of this background noise. It's just not something which could have been measured whilst 855 was on-air.

So while we're working to get the digital medium wave transmitter ready, teams of engineers will be out in Plymouth and West Devon just listening to the noise created by the rest of the world.

The digital medium wave service started on St George's Day, 23 April and will be the first of its kind in the UK.

Meanwhile, to keep listening to BBC Radio Devon in Plymouth re-tune your radio to 95.7 FM or DAB digital radio.” (<http://www.bbc.co.uk/devon/digitalmediumwave/>)

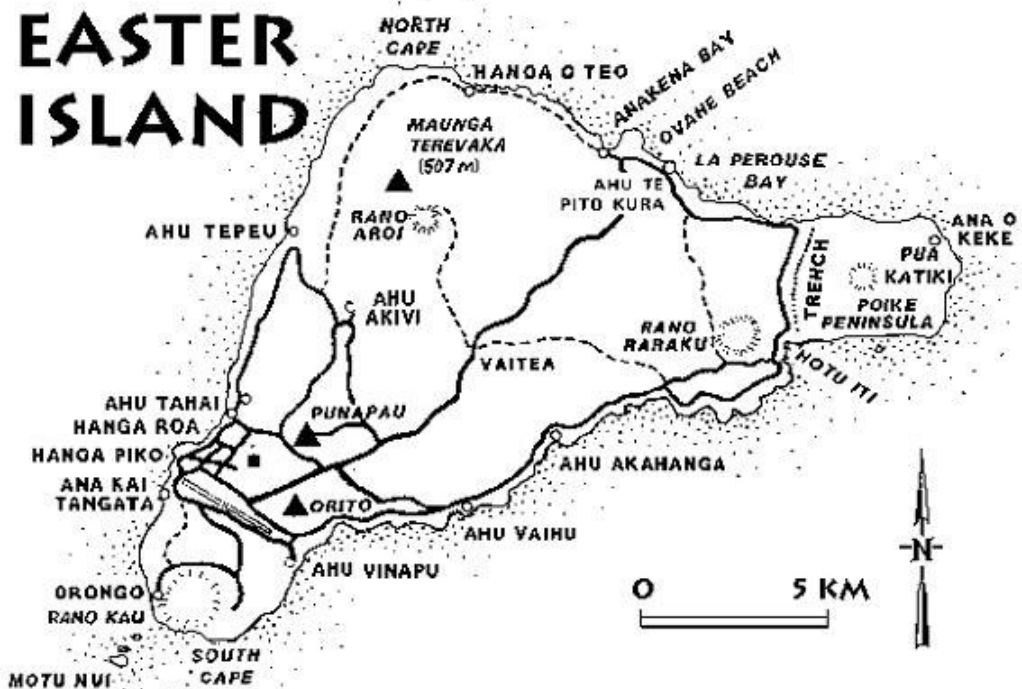
EASTER ISLAND EXPOSED

by John H. Bryant 3600km from anywhere!

March 16 to 25, 2007

Recently, aspects of my life aligned so that I was able to fulfill a lifelong dream and visit fabled Easter Island in the southeastern Pacific. Although my primary purpose was to visit the myriad of archeological sites, view the hundreds of giant stone heads and get to know the inhabitants of this “most isolated

community in the world,” I could not possibly visit such an exotic location without testing its potential as a location for very long-range MW DXing. Since the nearest concentrations of MW broadcasters were on the west coast of South America, 2300 miles to the east and in New Zealand, 4300 miles to the southwest, there was every likelihood that Easter Island might be a prime DX location.



Easter Island is a triangular volcanic island measuring about ten miles on a side. The 3300 inhabitants are concentrated in a single village, Hangarua, on the southwest corner of the island, also the only location of an AC power grid. Since I knew that I would be 12 volt DXing from, at best, a rental car, and since I was quite concerned about luggage weight and security screening, my DXing equipment choices were both critical and limited. After a good deal of thought, I chose the marvelous Eton E1-XM



as my primary receiver and the small Kaito KA1103 as back-up; the Eton e1-XM had recently supplanted my long cherished Sony 2010 as my favorite DXing portable. I was not disappointed in either receiver! In my many years of seaside DXing, I’ve never found an antenna that performed as well as a Beverage, so I selected two 500-foot wires as my antennas; weight and bulk concerns led me

to adopt the Beverage-On-the-Ground (BOG) configuration and a very light 28-gage, Teflon-coated wire. I was concerned about the BOG configuration and using such tiny wire; again, I was not disappointed. My favorite full-size headphones, a magnificent new Edirol R-09 digital audio recorder and my trusty WRTH rounded-out the DX package.

Receiver: Eton E1-XM Antennas: Unterminated Beverages: 500' on Ground, East to West 500' on Ground, South to North

The distances involved in Pacific-based DXing are enormous. With the 2,400 mile width of the USA in mind, the distances from Easter Island to anywhere are simply staggering: it is 2300 miles to Chile, 4300 miles to New Zealand and 5300 miles to the nearest edge of Australia; most of the USA, including the Hawaiian

Islands lays at about the distance of eastern Australia, 5300 miles. Beyond those “close-in” locations, distances get truly planetary: Western Europe and Japan are about 8500 miles away, while coastal China lays out at 9500; to go beyond that at MW frequencies is simply unthinkable. As I planned the DXpedition, I anticipated hearing quite a few coastal South American stations from my Easter Island QTH; I also expected to hear a decent number of New Zealand broadcasters, mixing with a few of the stronger Australians. I also eagerly anticipated hearing a number of stations from the island nations of the Pacific. Since friend and well-known South American DXer Rocco Cotroneo had recently heard several of the largest Japanese MW stations from the Chilean coast, I, too, hoped to hear the biggest of the NHK stations, from twice as far away as from my favorite haunts at Grayland, WA, USA.

I planned my two-week stay on the Island to include four all-night DX sessions on the local Friday and Saturday nights, with one three-hour, early evening introductory session ahead of the first weekend and two similar sunset DX sessions during the intervening week. That schedule proved very workable and was followed closely. My DX shack turned out to be a small Japanese SUV, ruggedized and adapted to the rut and rock-strewn gullies that are laughably called “main roads” outside of Hangaroa village. My location on the island, except for the first familiarization session was near the Te Peu archeological site on the upper portion of the northwest shore. This was as far north of Hangaroa, about 6 miles, as the “road” ran; since none of the more popular archeological sites were nearby and the road was so poor, the site was about as isolated, both electrically and physically, as possible. The spot that I chose was on a plateau atop a 200 foot northwest-facing cliff, looking out across the broad Pacific into quite magnificent sunsets. I ran one antenna due west, unterminated, directly to the cliff, 480 feet away. That antenna was used, directly, for all Pacific DX and “over the shoulder” for South America. The second BOG ran due north, pointing at Central and North America.

The DX during my first familiarization evening session was about what I expected: I started at 0039 UTC, almost an hour before local sunset and I found the MW dial covered with either carriers or audio from South America. The only surprise that evening was from how far north many of the signals were coming: my first logged station was Radio Programmas del Peru-730 kHz., Lima that as just booming in. That logging was closely followed by Radio Sanfrancisco-850 kHz. Guayaquil, Ecuador, practically off the side of my E-W beverage and booming in, as well. The rest of that evening followed suit. By sunset, there was what seemed to be South American audio on almost every channel from 540 to 1700 kHz. I logged a number of Argentine stations, especially above 1600 kHz., and what seemed to be every station on the air in either Lima or Guayaquil.

Since there was already DX on the band when I turned on an hour before sunset, I decided to begin all other sessions at 0000 UTC, fully 90 minutes before sundown. So, I had antennas out and my set-up primed to go at 0000UTC on Saturday, March 17. **When I flipped the switch, I began the most surprising and thrilling DX session of my 53-year DX career.** Fourteen non-stop hours later, I realized that I'd found the mother of all DX locations. **In one night, I logged all continents, 22 countries and 122 stations...** all but a few were IDed by station ID or by parallels. I managed to log 15 IDed Kiwi and Aussie stations in 45 minutes. I wasn't trying for a speed record, but since I'm not going to report for QSLs, all I had to do was positively ID them. The conditions were absolutely fabulous: in

that one night, I logged from Egypt clear around to India (YES!). I logged 70 stations from Australia and New Zealand combined. The best receptions of that first full night were hearing my only Brazilian, Radio Tupi, 1280 kHz., in Rio, my first from Europe/Mid.East/N.Africa, Algeria's ENRS1-531 kHz., and hearing 1566, AIR Nagpur for 20 minutes, including a full EE ID and the 5 minute EE news that followed. **I had no idea that the whole world would be open to me on medium wave, from isolated Easter Island!**

The remaining three all-night DX sessions followed very much the same pattern: Carriers from Europe, North Africa and the Middle East would appear about 90 minutes before local sunset, on the 9-kiloHertz spacing. There would also be a few "early bird" South American carriers or low audio about the same time. At 60 minutes before sunset, European, et al., signals audio would appear. Most of those signals would be only moderate level, but some of the Spanish and some of the Middle Eastern signals were startling in their strength. The really long-haul signals were pretty much done by the time the sun touched the horizon at 0130, but by then South Americans crowded the dial. By 0230, full dark, signals from eastern North America began to shoulder aside many of the South Americans. In the next two hours, the spotlight seemed to travel rather swiftly westward across the United States, with Cleveland and Charlotte being followed by Chicago and St. Louis and then by Denver, Salt Lake City and Albuquerque. By 0500, the spotlight had swung to the US West Coast, with the large majority of the stations being heard from central and southern parts of the state. Indeed, there was at least some California presence until dawn on Easter Island. For reasons that I don't begin to understand, the strongest (like a local!) station from California was 1530, kHz., KFBK, Sacramento which far out shown the more southerly stations, high band or low.

By 0730 UTC, the New Zealand stations would begin to appear on the 9 kHz. channels, with the Aussies joining the mix by 0900 hours. Although a few Japanese appeared as early as 0830, they were most logged during the pre-local dawn 1200-1300 time span. One of the biggest surprises of the DXpedition was the absolute dominance of Chinese stations during the 30 minutes before and after the 1330 local sunrise on Easter Island. Chinese stations, LOTS of Chinese stations, travelled more than 9500 miles to populate the band during dawn enhancement! Things got so busy on the best Chinese dawn, March 24, that I was forced to choose between noting the presence of all of the Chinese signals on the band or taking the time to identify just a few and ignore the rest. Since the presence of so many extraordinarily long distance signals seemed more important than the exact identity of a few, for the first time in my life, I just IDed the language positively, noted "UNID CC station" and moved on. The loggings that follow reflect that unusual approach.

Each of the all-night sessions closed out with one extra-ordinary signal lasting long after the other signals faded out. ... and long after dawn. The first of these began with me innocently listening to 1566, HLAZ, the super-power Christian broadcaster from South Korea. It often lasts long after dawn at our Grayland site and it was doing quite well 40 minutes after dawn on March 17th. Soon, I noticed something beneath HLAZ; as this second signal built, it certainly sounded like Hindi and I remembered that AIR Nagpur on 1566 had been heard by Patrick Martin on the Oregon Coast and was one of our



“Holy Grail” targets at Grayland. As you already know, that signal did prove to be AIR Nagpur, over 11,700 miles away.

The magical pre-sunset hour the following evening was highlighted by the first of several receptions of the U.S.-operated Radio Farda-1575 broadcasting to Iran from the United Arab Emirates, a distance of 11,400 miles. The reception was made even more memorable by the content of the pop music program: a Michael Jackson tune followed by some Rap music in Farsi. That must drive the Iranian authorities crazy; it sure does it for me! That second all-nighter was closed out with another extra-ordinary reception. Well after dawn (and time to try again for Nagpur on 1566) on my way up the dial, I noticed an unusual signal on 1413: it sounded (and was) Hindi and I was fascinated. Checking in the East Asia-Pacific section of WRTH, I could find no major station on 1413 that ought to be transmitting Hindi at that hour. The Hindi talk programming contained a few English words mixed in the conversation, not unusual in itself, and then there was one full interview in very British English. Wow! I kept listening, hoping for a station identification... and then I heard a website given out: it was something like “hindi.bbc.uk.” A light bulb lit; 1413 is the MW frequency for the huge BBC Oman Relay Station! Sure enough, their schedule shows an hour of Hindi, beamed eastward to India (and directly at Easter Island) at the proper hour. Further listening on subsequent mornings proved beyond a doubt that I was hearing the Oman Relay Station, and well, from over 13,350 miles away. If you combine the reception of Radio Farda before sunset (11,400 miles) with the Oman reception of 13,350 miles, I was able to more than circle the globe in a single DX session, on medium wave. I never imagined that it would be possible and I feel extraordinarily privileged to have witnessed such.

I would especially like to express my appreciation to numerous senior members of the MW DX community who helped me in the planning of this DXpedition and in identifying many of the stations listed below. With their help, so freely given, this experience would have been ever so much less enjoyable and productive.

The final all-session count was 235 stations received in 40 countries, on all continents. However, as wonderful as the DX was, the scenery, the monuments, the archaeological sites almost without number and the extraordinarily friendly inhabitants of Easter Island were even more memorable. My visit to Easter Island was truly the most fun that I’ve ever had with my clothes on!

EUROPE, MIDDLE EAST & NORTH AFRICA

- 531 **ALGERIA** ENRS1, Ain El-Beida , Mar 17 0100 - Noted here several evenings before LSS.
567 **EIRE** RTE1, Tulamore, (t) , Mar 18 0157 - Poor level, EE pop and lounge songs, Female news reader after TOH fanfare. At least some of the words in EE. Tentative this was RTE 1 Tulamore, Eire.
585 **SPAIN** RNE1 Madrid , Mar 17 0105 - Heard each evening. 'Radio Nacional de Espana' //684 Sevilla.
612 **BOSNIA-HERZGOVINA** B-H Radio 1, Sarajevo(t) , Mar 17 0103 - Tentative this at good level in a mid-European language.
621 **SPAIN** RNE1 Synchronos , Mar 22 0205 - Fair level. //684.
684 **SPAIN** RNE1, Sevilla , Mar 17 0101 - Heard nightly. Strongest Spanish station. //585//855.
711 **SPAIN** COPE, Murcia (pres.) , Mar 18 0103 - Presume this here with news and commentary in SS.
711 **MOROCCO** RTM, Laayoune (pres.) , Mar 21 2231 - Traditional Arabic music and talk. Fair/good.
738 **SPAIN** RNE1 Barcelona , Mar 18 0104 - Fair level //585 & 684.
747 **SPAIN** RNE5 Synchronos, Cadiz & Canaries , Mar 17 0114 - Good level SS, presume this.
747 **NETHERLANDS** Radio 5, Flevoland , Mar 18 0125 - Noted here with Bob Dylan/Woodie Guthrie 'This Land' and into another 60s hit. Fair to poor. Announcer's language IDed by others as Dutch.
774 **EGYPT** ERTU M-East Prg., Abis (pres.) , Mar 17 0120 - General AA program. Also on Mar. 24.
783 **PORTUGAL** R. Nacional, Avanca , Mar 21 0038 - Seems a radio drama in Portuguese. Good level.

783 **SYRIA** ORTAS 1, Tartus (pres.) , Mar 18 0125 - Traditional Arabic music and singing by Um Kalthoum, very famous Egyptian songstress. BSKSA is off and this programming very unlikely to come from Mauritania. EMWG shows Syria now as 24 hour.

855 **SPAIN** RNE1 Synchronos, Murcia, et al. , Mar 17 0109 - Noted here, fair.//684.

864 **EGYPT** ERTU Koran Prg, Santah (pres.) , Mar 17 0124 - Presume this with Koranic chanting.

945 **FRANCE** France Bleu, Toulouse , Mar 18 0212 - Noted here at fair level with FF lounge singing.

1413 **OMAN** BBC Relay, A'Seela , Mar 24 1407 - Mistaken at first for an Aussie station. Was a long discussion of Indian cricket, World Cup, Tean India, etc. After 1430, mentions of bbc.hindi.com, etc. AIR Nagpur-1566 was not in. Distance over the Pacific and Indian oceans 13,356 miles or 21,490 km. Good level for most of the reception. May have left air or shifted pattern at 1458. Sunrise was at 1325 . Last audio heard at 1456 UTC.

1512 **SAUDI ARABIA** BSKSA Jeddah , Mar 22 0045 – Heard most evenings. Fair only.

1521 **SAUDI ARABIA** BSKSA, Duba , Mar 21 0055 -. Heard each evening fair to good.

1575 **UNITED ARAB EMIRATES** Radio Farda, Al-Dhabbiya , Mar 21 0130 - Noted each evening of the DXpedition. Often running Farsi pops music. The most bizarre 'hits' were a Michael Jackson number and FARSI RAP!!! Never above a fair level.

EAST and SOUTH ASIA

CHINA

549 **CHINA** CNR5 Fujian (pres.) , Mar 17 1347 - Heard most mornings, dominating the Aussies late.

666 **CHINA** UNID CC, (Voice of Straits, pres.) , Mar 24 1120 - Presumed due to strength and prop.

684 **CHINA** CNR6, Putian, FJ , Mar 17 1352 - Noted each AM //909. Excellent, post-dawn.

765 **CHINA** CNR5, Fujian , Mar 17 1306 - Heard every AM, excellent at dawn //549.

783 **CHINA** Voice of the Strait, Fujian (pres.) , Mar 18 1202 - Presume this one heard each AM.

873 **CHINA** Voice of Straits, Fuzhou (pres.) , Mar 24 1125 - Presume this //666. Noted several AMs.

909 **CHINA** CNR6, Quanzhou , Mar 17 1313 – Heard each dawn // weaker 927 CNR6 Fujian.

927 **CHINA** CNR6, Fujian , Mar 17 1313 - //909 CNR6 Quanzhou.

936 **CHINA** UNID CC probably Anhui , Mar 24 1325 - Probably Anhui Music noted here in passing.

963 **CHINA** CRI Russian Service , Mar 24 1135 - ID 'Govorit Pekin'.

981 **CHINA** CNR1, Synchronos , Mar 18 1350 - Fair level with echos.

990 **CHINA** CNR (N) Shanghai (pres.) , Mar 18 1328 - CC with some EE ads and scattered EE words.

999 **CHINA** UNID CC, probably Liaoning Economic , Mar 24 1335 - Noted in passing.

1035 **CHINA** CNR1 Synchronos , Mar 24 1330 - Fair to good level.

1044 **CHINA** CNR FS. Korean, Yanji , Mar 17 1327 - Heard every morning at good level.

1044 **CHINA** CNR JJ Service, Changzhou , Mar 24 1332 - Pumping a lot of watts right at Easter Island

1062 **CHINA** Zuijiang JGD, Guangzhou (pres.) , Mar 24 1334 - Presume this here in Cantonese.

1071 **CHINA** UNID CC, probably Tianjin , Mar 24 1336 - Most likely Tianjin JGD.

1089 **CHINA** CNR6 Fujian , Mar 17 1318 - Fem Sing //909. Fair level. Heard each AM.

1116 **CHINA** CNR5, Shaowu , Mar 25 1314 - Presumed, with QRM from 4BC. Noted in passing.

1125 **CHINA** Hebei E., Shijiazhuang (pres.) , Mar 24 1337 - Highly likely this the one with huge signal.

1134 **CHINA** UNID CC probably CNR1 , Mar 24 1215 - Noted in passing at good level.

1170 **CHINA** UNID CCs, two mixing , Mar 24 1342 - Two mixing at fair to good level. All low power.

1179 **CHINA** UNID CCs, two mixing , Mar 24 1345 Most likely Mainlanders, but Taiwan here, too.

1206 **CHINA** CNR Korean Service , Mar 18 1232 - Excellent level!.

1278 **CHINA** UNID CC probably Hebei , Mar 24 1240 - Noted in passing, most likely, Hebei (N).

1305 **CHINA** UNID CC , Mar 24 1245 - Noted in passing. Probably CNR2.

1323 **CHINA** UNID CC , Mar 24 1247 - Noted in passing.

1332 **CHINA** UNID CC probably Fuzhou RGD , Mar 24 1250 - UNIDed noted here in passing.

1377 **CHINA** CNR1, Zengzhou , Mar 17 1333 - Heard every AM.

1377 **CHINA** UNID CC probably V of the Strait , Mar 24 1952 - Very likely Voice of the Strait, from Fujian Province. CNR1 noted beneath.
 1386 **CHINA** UNID CC probably CNR1 , Mar 24 1350 - Standard CC noted in passing.
 1395 **CHINA** UNID CC probably Anhui 'Life', Mar 24 1358 - Standard CC noted in passing.
 1404 **CHINA** UNID CC probably Fujia EBS , Mar 17 1335 - Also heard on Mar. 24.
 1422 **CHINA** UNID CC probably Shanghai JGD , Mar 24 1304 - Shanghai most likely of those listed.
 1485 **CHINA** UNID CC , Mar 24 1250 - UNID CC noted in passing.
 1593 **CHINA** CNR1. Changzhou , Mar 17 1228 - Heard each AM, sometimes well.
 1593 **CHINA** CRI Japanese Service, Heilongjiang , Mar 17 1345 - Excellent level. Heard also Mar. 24.
 1602 **CHINA** UNID CC , Mar 17 1346 - Only Chinese listed on 1602 is Jiangsu 1. Most likely this, since that is a coastal province.

JAPAN

594 **JAPAN** JOAK, Tokyo , Mar 18 1017 - Heard throughout DXpedition.
 693 **JAPAN** JOAB, Tokyo , Mar 17 1058 - Heard also, Mar.18 at fair level both times.
 747 **JAPAN** JOIB, Sapporo , Mar 24 0816 - NHK2 programming. Fair //774.
 774 **JAPAN** JOUB, Akita , Mar 24 0816 - NHK2 programming at fair level //747.
 828 **JAPAN** JOBB, Osaka , Mar 18 1207 - Noted // 774 at good level.,
 873 **JAPAN** JOGB, Kumamoto , Mar 18 1210 - Heard //828.
 891 **JAPAN** JOHK, Sendai , Mar 18 1212 - Noted at fair level //594.
 954 **JAPAN** JOKR, Tokyo. , Mar 18 1218 - Fair only.
 1017 **JAPAN** JOLB, Fukuoka , Mar 18 1220 - Good //828.
 1134 **JAPAN** JOQR, Tokyo , Mar 18 1228 - JJ literary discussion. Fair only.
 1242 **JAPAN** JOLF, Tokyo , Mar 18 1235 - Heard poorly by language only in furball.
 1260 **JAPAN** JOIR, Sendai , Mar 24 1347 - Bubble gum programming. Probably All Night Nippon.
 1287 **JAPAN** JOHR, Sapporo , Mar 24 1242 - Noted with two young ladies chattering away
 1314 **JAPAN** JOUF, Osaka , Mar 25 1340 - Bubble gum music/infotainment. Presume ANN program.
 1413 **JAPAN** JOIF, Fukuoka , Mar 24 1401 - Pop music and JJ talk at fair level.
 1422 **JAPAN** JORF, Yokohama , Mar 17 0919 - Fair to good with phone-in show. Heard also on Mar.18.
 1440 **JAPAN** JOWF, Sapporo , Mar 24 1357 - Noted here with commercial string and net ID. Good level.
 1602 **JAPAN** NHK2 Synchronos , Mar 24 1257 - Noted in passing at fair strength.

OTHER EAST & SOUTH ASIAN STATIONS

657 **NORTH KOREA** Pyongyang BS, Kangnam , Mar 24 1403 - News in Korean, dominating 2YC.
 972 **SOUTH KOREA** HLCA, Dangjin , Mar 18 1115 - Heard also on Mar. 25 at fair level.
 1170 **SOUTH KOREA** HLSR RK JJ Service, Gimje , Mar 18 1231 - R Korea FS in Japanese at good
 1143 **TAIWAN** UNID CC, probably BEL3, Taiwan , Mar 24 1341 - Almost certainly, this was the 100 kW Taiwanese here. Heard only in passing.
 1170 **PHILIPPINES** IBB/VOA Relay, Poro (pres.) , Mar 25 1335 - Presume this the one at excellent level. No ID, but rap music and general formatting of the music program leads to VOA in CC, presumed.
 1458 **PHILIPPINES** DWRF, FEBC, Iba (pres.) , Mar 17 1541 - Christian talk in part SS, part probable Tagalog. Presume this.
 1494 **PHILIPPINES** DYAB, Cebu City , Mar 17 1340 - Noted at excellent level with phone-in program. Typical mixture of EE and Tagalog.
 1566 **SOUTH KOREA** HLAZ, Cheju Island , Mar 17 1340 - Noted here at fabulous level at dawn, with JJ programming. 'Nihon FEBC desu!' Heard every AM.
 1566 **INDIA** AIR Nagpur , Mar 18 1411 - First noted in Hindi talk by woman, mixing with 3NE and HLAZ. Dominant by 1420, ID in EE at 1430, 5 minutes of EE news at 1430. Very good at times.
 1575 **THAILAND** VOA Thailand , Mar 17 1142 - Noted each AM, sometimes at excellent level

PACIFIC

AUSTRALIA

- 531 AUSTRALIA 4KZ, Innisfail , Mar 17 1146 - 60s Rock. 'This is 4KZ, Innisfail.' Fair level in mix.
- 540 AUSTRALIA 4QL Longreach , Mar 18 1140 - In furball with R. Rhema. Fair only.
- 549 AUSTRALIA 2CR, Orange , Mar 17 1235 - //738 2NR Grafton. C&W. Heard most AMs.
- 576 AUSTRALIA 2RN, Sydney , Mar 17 0847 - Heard most AMs.
- 585 AUSTRALIA 7RN, Hobart , Mar 24 1107 - Briefly at good level with ABC news and sports.
- 594 AUSTRALIA 3WV, Horsham , Mar 17 1245 - Heard each AM. Excellent at dawn. //549//738
- 612 AUSTRALIA 4QR, Brisbane , Mar 17 0804 - Saturday Night Footie, parallel everyone else. Excellent level. Heard most AMs.
- 630 AUSTRALIA 4QN, Townsville , Mar 24 1112 - Presume this one, //612 sports coverage
- 648 AUSTRALIA 2NU, Tamworth , Mar 17 1054 - Footie wrap-up, //1548.
- 657 AUSTRALIA 2BY Byrock , Mar 24 0810 - Pop music show //648 at fair level.
- 684 AUSTRALIA 2KP, Kempsey , Mar 17 1057 - Footie wrap-up//1548. Heard most AMs.
- 702 AUSTRALIA 2BL, Sydney , Mar 17 0907 - Heard every AM.
- 729 AUSTRALIA 5RN, Adelaide , Mar 17 1254 - Initially, I was certain that this was AIR Guwahati in East Bengal. The programming was Sub-Continental flute music. Further, the programming continued right through the TOH with no break, time pips, etc. Since India is one of the few spots on the planet that has local time synched to the UTC half-hour, I 'knew it had to be' AIR Guwahati, which was just at transmitter sunset. What I forgot about was that South Australia is one of the other 'on the half-hour' spots on the planet. Sure enough, 5RN was running a world music show, featuring Sub-Continental Music! Heard also on March 18.
- 738 AUSTRALIA 2NR Grafton , Mar 17 1058 - Footie wrap-up//1548. Heard also Mar.18.
- 747 AUSTRALIA 4QS, Toowoomba , Mar 17 1059 - Footie wrap-up. Heard most AMs.
- 774 AUSTRALIA 3LO, Melbourne , Mar 18 1050 - Heard most AMs. Excellent
- 792 AUSTRALIA 4RN Brisbane , Mar 18 1053 - Mixing with NZ's 4ZA. Heard also on Mar. 25.
- 828 AUSTRALIA 3GI, Sale , Mar 17 1102 - ABC News, //1548. Heard also Mar.24.
- 837 AUSTRALIA 4RK, Rockhampton , Mar 17 0830 - Heard most AMs at good level.
- 846 AUSTRALIA 2RN Canberra , Mar 17 1104 - Heard well most AMs.
- 864 AUSTRALIA 4GR, Toowoomba , Mar 18 1057 - Heard mixing with NewsTalk ZB Invercargil.
- 873 AUSTRALIA 2GB, Sydney , Mar 17 1306 - News at good level, despite QRM from two others.
- 891 AUSTRALIA 4TAB, Townsville , Mar 17 1202 - Heard several AMs.
- 927 AUSTRALIA 4CC, Grafton , Mar 25 0830 - 'Grafton, 4-double-C' ID. Good level.
- 1116 AUSTRALIA 4BC, Brisbane , Mar 17 1120 - 'The Nation's #1 NewsTalk, 4BC.' Fair at best. Heard poorly Mar. 25. Given the prominence of this signal in NW of USA and its poor showing here, would suspect that it is directional to the north, whether intended or not.
- 1224 AUSTRALIA 2RPH, Sydney , Mar 18 1440 - Discussion of Aussie forces in Iraq.
- 1233 AUSTRALIA 2NC, Newcastle , Mar 17 1212 - //702 at good level. Heard also on Mar.18.
- 1287 AUSTRALIA 2TM, Tamworth (pres.) , Mar 17 1125 - Only Aussie on 1287. Also noted Mar.18.
- 1431 AUSTRALIA 2RN Wollongon , Mar 18 1405 - Program on National Ballet of Australia. Fair.
- 1512 AUSTRALIA 2RN Newcastle , Mar 18 1405 - 'Radio National' Heard also on Mar.25.
- 1548 AUSTRALIA 4QD, Emerald , Mar 17 0758 - Saturday Night Footie //612, 837, etc. Excellent. Heard each AM of the DXpedition.
- 1566 AUSTRALIA 3NE Wangaratta , Mar 18 1410 - Heard with usual pops program, mixing with AIR Nagpur and HLAZ, FEBC.

NEW ZEALAND

- 531 NEW ZEALAND More FM, Alexandra , Mar 25 1340 - 'More Music, More... , More Choice'.
- 567 NEW ZEALAND National Radio, Wellington , Mar 17 0753 - Huge signal each night.
- 594 NEW ZEALAND R.Rhema Synchronos, Timaru & Wanagnui , Mar 17 0850 - Heard most AMs.
- 612 NEW ZEALAND Radio Rhema, Christchurch , Mar 18 1022 - Noted //594, mixing with Aussie.

621 **NEW ZEALAND** R. Rhema Synchron, Dunedin & Whangarei , Mar 17 1349 - Noted here with alcoholism-awareness program.

648 **NEW ZEALAND** R. Rhema, Gisbourne , Mar 17 0855 - Heard most AMs.

657 **NEW ZEALAND** Southern Star, Wellington , Mar 18 1030 - Heard also Mar. 24. Excellent.

675 **NEW ZEALAND** National Radio, Christchurch , Mar 18 1035 - Fair, with political discussions.

693 **NEW ZEALAND** Radio Sport, Dunedin , Mar 18 1038 - Sports discussion, NZ websites..

711 **NEW ZEALAND** 2XP Trackside/R. Pacific, Wellington , Mar 18 1325 - Fair in furball.

720 **NEW ZEALAND** National Radio, Invercargill , Mar 18 1325 - Good at times. Furball.

738 **NEW ZEALAND** Radio Live, Christchurch , Mar 18 1330 - NZ ads & TC. Talk format. Fair.

783 **NEW ZEALAND** Samoan Capitol Radio, Wellington , Mar 17 0720 - This or Access Radio noted every night of the DXpedition, sometimes at excellent level.

792 **NEW ZEALAND** Radio Sport, Hamilton , Mar 18 1053 - Heard mixing with 4RN, Brisbane.

810 **NEW ZEALAND** National Radio, Dunedin , Mar 18 1340 - //819 Maori singing and discussion.

819 **NEW ZEALAND** National Radio, Tauranga , Mar 18 1340 - //819 Maori singing and discussion.

837 **NEW ZEALAND** National Radio Synchron, Mar 24 0822 - Classical music //918, mixing w/4RK.

864 **NEW ZEALAND** 4ZA, NewsTalk ZB, Invercargill , Mar 18 1057 - Heard mixing with 4GR in OZ. Only two DUs on frequency.

882 **NEW ZEALAND** Southern Star, Auckland , Mar 18 1348 - quiet music //900 SS Dunedin.

900 **NEW ZEALAND** 4YC, Southern Star, Dunedin , Mar 17 1307 - 'Southern Star' by male announcer.

918 **NEW ZEALAND** National Radio Synchron, , Mar 17 0820 - Heard most AMs //567.

945 **NEW ZEALAND** NewsTalk ZB, Gisbourne , Mar 17 0721 - Heard each AM, sometimes quite well.

972 **NEW ZEALAND** Radio Rhema, Wellington (pres.) , Mar 18 1106 - Presume this with Christian talk by male. HLCA beginning to dominate.

1026 **NEW ZEALAND** NewsTalk ZB Synchron, Mar 18 1222 - //135 Wellington at fair level.

1035 **NEW ZEALAND** NewsTalk ZB, Wellington , Mar 17 0735 - //945. Heard Also on Mar.25.

1044 **NEW ZEALAND** NewsTalk ZB, Dunedin , Mar 17 0738 - //945. Heard also on Mar.25.

1080 **NEW ZEALAND** NewsTalk ZB, Auckland , Mar 17 1331 - Heard after fade-out of the stations in the Americas. Good.

1125 **NEW ZEALAND** Radio Sport, Napier-Hastings , Mar 17 0740 - Heard several AMs.

1152 **NEW ZEALAND** NewsTalk ZB, Timaru , Mar 17 0742 - //945, 1035, etc.

1215 **NEW ZEALAND** NewsTalk ZB, Kaihoke , Mar 18 1120 - //1035, etc.

1278 **NEW ZEALAND** NewsTalk ZB, Napier-Hastings , Mar 17 0740 - //945, 1035, etc.

1296 **NEW ZEALAND** NewsTalk ZB, Hamilton , Mar 17 0750 - //945, 1035, etc. Heard several AMs.

1314 **NEW ZEALAND** National Radio, Gisbourne , Mar 17 0753 - //567 at good level.

1386 **NEW ZEALAND** R. Tarana, Auckland (pres.) , Mar 17 1135 - Usual Hindi programming. Good.

1485 **NEW ZEALAND** R. Trackside, Gisbourne (pres.) , Mar 17 1136 - Call of horse race at good level.

1494 **NEW ZEALAND** Southern Star, Hamilton , Mar 17 0755 - EZL Christian music.

OTHER PACIFIC STATIONS

558 **FIJI** Radio Fiji 1, Suva , Mar 17 0757 - Island mx until TOH, then presumed ID in Fijian and then into news. Excellent level. Heard several AMs

720 **HAWAII** KUAI, Ele'ele , Mar 18 1156 - Heard well for only Hawaiian of DXpedition

738 **TAHITI** RFO/R. Tahiti, Mahina , Mar 17 0715 - Noted with only fair signal with Polynesian pops.

1017 **TONGA** A3Z, R. Tonga (t) , Mar 17 0731 - Poor level with definite Polynesian talk.

NORTH AMERICA

USA

570 USA WTBN, Pinellas Park, FL , Mar 25 0200 - Heard double ID for WTBN 570 and WTWD-910, Plant City and the Radio Reloj CW 'R'.

570 USA KLAC, Los Angeles, CA , Mar 22 0240 - Multiple ads and station promos.

640 USA KFI, Los Angeles , Mar 17 1157 - 'Southern California's KFI.' Heard also Mar. 25.

660 USA WFAN, New York, NY , Mar 25 0248 - Mentions of 'WFAN.com' and local commercial string.

670 USA WSCR, Chicago , Mar 24 0140 - Chicago Blackhawks Hockey at good level.

680 USA WPTF, Raliegh, NC , Mar 24 1429 - Neil Bortz Show. 'WPTF, Raliegh'.

700 USA KALL, N. Salt Lake City, UT , Mar 24 1205 - 'Sports 700, The Dome.'

720 USA WGN, Chicago , Mar 17 0445 - Local news and weather. 'News/Talk 720, WGN!'

740 USA KTRH, Houston, TX , Mar 18 0230 - 'News Radio 740, KTRH.' Heard most early evenings.

740 USA KCBS, San Francisco, CA , Mar 17 0925 - 'All News, KCBS' Heard most AMs.

770 USA KKOB, Albuquerque, NM , Mar 17 1020 - 'The Talk Monster, KKOB, Albuquerque!'

780 USA WBBM, Chicago , Mar 24 0154 - 'WBBM News Time is 8:54'.

810 USA KGO, San Francisco, CA , Mar 17 0930 - Heard every AM.

830 USA WCCO, Minneapolis, MN , Mar 25 0252 - Poor but positive, with forrest promo, etc.

850 USA KOA, Denver , Mar 17 0256 - Usual Talk format. Heard nightly and well.

880 USA KRVN, Lexington, NE , Mar 17 0259 - Heard most evenings. Good level.

1000 USA KOMO, Seattle, WA , Mar 17 0911 - 'KOMO 1000 News.' Heard most AMs.

1020 USA KCKN, Roswell, NM , Mar 17 1205 - 'Kickin' Country, KCKN.' Heard also Mar.22, 25.

1040 USA WHO, Des Moines, IA , Mar 18 0320 - 'News Radio 1040, WHO' Heard every AM.

1070 USA KNX, Los Angeles, CA , Mar 17 0916 - 'KNX Traffic and Weather.' Heard most AMs.

1100 USA WTAM, Cleveland, OH , Mar 25 0150 - Mention of 'WTAM.com,' and Cleveland. Good.

1110 USA WBT, Charlotte, NC , Mar 24 0202 - 'WBT News' after TOH. Good briefly.

1140 USA KHTK, Sacramento , Mar 17 0535 - 'Sports Radio 1140, KHTK'.

1120 USA KMOX, St. Louis, MO , Mar 18 0327 - 'NewsTalk 1120, KMOX' Excellent level.

1130 USA WBBR, New York , Mar 24 0205 - Manhattan traffic reports and weather.

1160 USA KSL, Salt Lake City, UT , Mar 18 0328 - 'KSL Radio' Heard throughout the DXpedition.

1180 USA Radio Marti, Marathon, FL , Mar 18 0331 - 'Radio Marti.', Miami.' Heard often.

1200 USA WOAI, San Antonio, TX , Mar 17 0458 - 'News Radio WOAI' Talk show, good level.

1520 USA KVTA, Oxnard, CA , Mar 24 0856 - Coast-to-Coast program, then station ID. Good.

1530 USA KFBK, Sacramento, CA , Mar 17 0700 - 'NewsTalk 1530, KFBK' Heard every night at truly local levels.

1540 USA KMPC, Los Angeles, CA , Mar 17 0705 - Also noted at good level on Mar.24.

1560 USA KNZR, Bakersfield, CA , Mar 24 0900 - Local commercials 'only on 1560, KNZR.'

1590 USA KKZZ, Santa Barbara, CA , Mar 24 0905 - '1590, The Connection, KKZZ, Santa Barbara'.

1650 USA WCNZ, Cedar Falls, IA , Mar 25 0210 - Presume this with a local Waterloo hockey game.

1700 USA KVNS, Brownsville, TX , Mar 17 0450 - Heard well with EZL SS pops show an many ads in EE for businesses throughout the Valley. Heard very well each evening.

CENTRAL AMERICA

530 **TURKS & CAICOS R.** Vision Cristiana Intl., South Caicos , Mar 22 0057 - Full ID for all three stations in EE. Heard well most evenings.

555 **ST. KITTS ZIZ** Radio, St. Kitts (pres.) , Mar 18 0130 - Het here and threshold audio heard nightly, just at sunset. Presume this.

570 **CUBA CMDC**, R. Reloj, Santa Clara , Mar 25 0200 - Heard the CW 'R' clearly on the WTBN station ID and once or twice previously.

690 **MEXICO XE???**, Tijuana , Mar 17 0232 - This Mexican station dominated 690 early each evening, and often through the night. At least part of the time, it was IDing as part of the Cadena W network of XEW, Mexico City.

800 **NETHERLANDS ANTILLES TWR**, Bonaire, Mar 17 0240 - Heard well throughout the DXpedition, usually in SS with numerous SS IDs.

895 **NEVIS** Voice of Nevis, Nevis (pres.) , Mar 17 0130 - Presume this heard every evening just after sundown with either a het or threshold audio.
1090 **MEXICO** XEPRS, Rosarito , Mar 17 0430 - 'Double-X Sports Radio' Dominant on this channel.
1220 **MEXICO** XEB, Mexico City , Mar 17 0626 - 'La Grande B.' Good level. Heard also on Mar 18.
1410 **MEXICO** XECF, Los Moches , Mar 24 0850 - 'La Mexicana.... Tropicaliente... Mas Grande catorce-diez de AM' Briefly quite good. May have actually been on 1413 kHz.
1570 **MEXICO** XERF, La Poderosa, Villa Acuna , Mar 17 0445 - This powerhouse heard each evening with great signal and usual music shows.
1620 **VIRGIN ISLANDS** WDHP, St. Croix , Mar 25 0205 - Noted here at good level with rebroadcast of NOAA sea-state and weather predictions.

SOUTH AMERICA

ARGENTINA

590 **ARGENTINA** LS4, R. Continental, Capitol Federal , Mar 17 0308 - Multiple IDs at good level following world and national news. Heard also, Mar.21 & 22.
594 **ARGENTINA** LS4, R. Continental, Capitol Federal , Mar 24 0800 - Assume that this was the main transmitter, off frequency. Very strong, full Cadena ID, spot on 594.00.
700 **ARGENTINA** LV3, R. Cordoba, Cordoba. , Mar 16 0156 - Excellent level, Multiple very fast mentions of Cordoba and Argentina, but only one clear 'Radio Cordoba' ID.
870 **ARGENTINA** LRA-1, R. Nacional, Capitol Federal , Mar 17 0610 - Discussion of why LAm radio should not feature NAM and British pop music, mentions of Radio Nacional.
1610 **ARGENTINA** R. Guaviyu, Greg.de Laferrere (B.A.) , Mar 17 0400 - Lots of commercials, multiple mentions of B.A., multiple IDs. Fair to good level.
1650.1 **ARGENTINA** R. Renancer (pres.), Quilmes Oeste , Mar 16 0125 - Presume this one, as only listing, at fair to good level with classical instrumental orchestra music. Great to hear such on AM.
1660 **ARGENTINA** Hosana AM(pres.), Ezeiza , Mar 16 0130 - Seemingly Christian pops, sometimes at good level. Only listing on this freq. Presumed only.
1663.1 **ARGENTINA** R.Bethel (pres.), Banfield , Mar 22 0153 - Has Bethel drifted this low???.
1667.76 **ARGENTINA** R. Bethel(pres.), Banfield , Mar 16 0138 - Presume this one as is only 1670 listing and is reported to be drifting below assigned frequency. Pop music show with female host.

BRAZIL

1280 **BRAZIL** R. Tupi, Rio de Janeiro , Mar 17 0023 - Multiple IDs as 'Too-Pee' and 'Radio Too-Pee' in PP. Excellent level, 60 minutes before LSS. Also heard Mar.22.

CHILE

1380 **CHILE** CB138, R. Corporacion, Santiago , Mar 16 0107 - 'Radio Corporation' ID. Heard well throughout the DXpedition.
1569.9 **CHILE** CC157A, R.Familia de Maule, Talca , Mar 22 0230 - IDing as 'Radio Familia.' Fair.

ECUADOR

540 **ECUADOR** HCFA2, R. Tropicana, Guayaquil , Mar 22 0100 - Lotsa commercials 'La Voz del la Romanticos'.
850 **ECUADOR** HCGU13, Radio San Francisco, Guayaquil , Mar 16 0050 - Full ID at TOH as 'Radio San Francisco, Guayaquil.' Excellent level. Also rather shcked with this as second Easter Island logging. Excellent level, pre-sunsert and off the side of the antenna. Heard each evening.
880 **ECUADOR** HCRP1, R. Catolica Nacional, Quito (pres.) , Mar 21 0210 - Presume this one with loooong discussion of families, marriage, children, sexual matters, etc. without end. Good level. Heard also Mar. 22.
1120 **ECUADOR** HCFV2, Estacion Intercontinental, Guayaquil , Mar 18 0028 - Caught this 5 kW. daytimer with full formal sign off at 0030. Good level.

FALKLAND ISLANDS

530 FALKLAND ISLANDS FIRS, Port Stanley (tentative) , Mar 21 0250 - BBC WS feed at good level. Tentative this, as seems to fit published schedule and there are few other alternatives.

PERU

540 PERU OBX4E, R. Inca del Peru, Lima , Mar 17 1417 - Huaynos music programming. 'Radio Inca'

580 PERU OAX4M, R. Maria, Lima , Mar 17 1016 - This one noted with a big sig at SR at the Tx.

Also noted on Mar.21, with multiple IDs.

660 PERU OCX4R, R. Inolvidable, Lima , Mar 16 0156 - 'La Inolvidable, tu mejor recuerdo 93.7 FM 660 AM!' Heard most evenings

700 PERU OBZ4H, R-700, La Grande, San Miguel , Apr 24 0300 - Noted with multiple La Grande slogans at TOH.

730 PERU OAX4G, R.Programas del Peru, Isidro , Mar 16 0045 - Very surprised this the first station logged at Easter Island, With the antenna pointing at least 45 degrees away. Excellent level 45 minutes pre sunset. Probably most heard station during DXpedition.

760 PERU OBZ4X, Radio Mar Plus, Chorillos , Mar 25 0230 - 'Radio Mar Plus..... Tropicalente' Multiple IDs, Booming in!

820 PERU OAX4O, R. Libertad, Lima , Mar 22 0241 - Pop music with lotsa commercials and IDs.

880 PERU OBZ4N, Radio Union, Lima , Mar 25 0045 - 'Radio Union' with a talk show. Good level.

900 PERU OBX4X, R. Felicidad, Lima , Mar 17 0325 - Heard with music program and multiple IDs.

960 PERU OAX4D, R. Pan Americana, Lima , Mar 22 0102 - Musica romantica program with multiple 'Radio PanAmericana'.

990 PERU OBX4J, R.Latina/R.Victoria, Miraflores , Mar 22 0300 - Now part of 'Cadena Victoria' and IDing as Radio Victoria after a lengthy religious program.

1010 PERU R. Cielo, Lima , Mar 18 0235 - Renamed station, formerly Radio America. Heard often and well. 'Radio Cielo, La Voz del Nuevo Mundo.'

1400 PERU OBX4W, R. Callao Super, Lima (t) , Mar 17 0035 - Brief fade-up with Lima clearly mentioned several times, but no ID. Tentative this.

1470 PERU OAU4B, CPN Radio, Lima (pres.) , Mar 22 0040 - Mentions of Lima. Heard also on Mar 25.

1499.9 PERU OBX4I, R. Santa Rosa, Lima , Mar 16 0122 - What a mess on 1500 kHz! signals in audio on 1500.27 and this one on 1499.9, with some station actually on frequency, but weaker on 1500.00. The Eton E1 really shined. Logged a pop music show with a male host on this 1499.9 at good level. Full ID as 'Radio Santa Rosa, Lima' at 0125. The audio on 1500.27 was fairly weak and I moved on to the expanded band, hunting Argentines. Radio Santa Rosa heard each evening.

FINAL COUNT FROM EASTER ISLAND

Europe, Middle East and North Africa:

21 stations in 13 countries: Spain (7), Egypt (2), Saudi Arabia (2), Algeria, Eire(p), Bosnia(p), Morocco, Netherlands, Portugal, Syria, France, Oman and UAE.

East and South Asia:

68 stations in 8 countries: China (40), Japan (18), Philippines (3), South Korea (3), North Korea, Taiwan(t), India and Thailand.

Pacific:

72 stations in 6 countries: New Zealand (36), Australia (32) Fiji, Hawaii, Tahiti and Tonga

North and Central America:

46 stations in 7 countries: USA (35), Mexico (5), St.Kitts & Nevis (2), Turks & Caicos, Cuba, Netherlands Antilles and the Virgin Islands

South America:

32 stations in 6 countries: Peru (15), Argentina (9), Ecuador (4), Brazil, Chile and the Falkland Islands

UTILITY COLUMN

The home of non-broadcast news
with David Towers

20 Valiant Close Glenfield Leics LE3 8JH
e-mail:utility@mwcircle.org

NAVTEX news

The latest Notices to Mariners show some changes to the schedule of the Ukrainian Navtex Stations. I have listed these below, and also uploaded new versions of my Navtex Database (4.0) and Schedules (2.0) to my website showing the changes. I'd be interested to know if anyone has heard them in the new time slots yet?

New schedule for the Ukrainian Navtex Stations:

[C]	Odesa	518.0 kHz	46.29N 30.44E	0020 0420 0820 1220 1620 2020	
[G]	Kerch	518.0 kHz	45.22N 36.29E	0100 0500 0900 1300 1700 2100	
[U]	Kerch	490.0 kHz	45.22N 36.29E	0320 0720 1120 1520 1920 2320	
[X]	Odesa	490.0 kHz	46.29N 30.44E	0350 0750 1150 1550 1950 2350	(Alan Gale)

Logs

First from Ronald Hagensen , Ottersberg , GERMANY. AOR 7030plus , 22m in direction 315° & 28m in direction 290°

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
397	N F	Falköping , Sweden , 632 km , 25°		2000	15/04	RH
414	SLB	Oslo/Gardermoen/Solberg,NOR, 774 km, 8°,		2012	14/04	RH
423	Z O	Nis / Zitorada , Serbia , 1444 km, 135°,		2218	14/04	RH
618	F T	Pruszcz Gdanski, Poland , 644 km, 75°,		1715	05/04	RH
680	S K	Skados`k , Ukraine , 1873 km , 105°		2014	15/04	RH

NAVTEX LOGS

Alan Gale also was busy on the Navtex frequencies and sent a selection of his latest loggings.

dd/mm	utc	kHz	Location	ITU	Slot	Lang
11/04	0033	490.0	Antalya	TUR	[D]	TT
12/04	0001	490.0	Samsun	TUR	[A]	TT
12/04	0020	490.0	Istanbul	TUR	[B]	TT
12/04	0151	490.0	Constanta	ROU	[L]	RO
21/04	0257	490.0	Sydney, NS	CAN	[J]	FF
21/04	0340	490.0	Fundy, NB	CAN	[V]	FF
20/03	0407	518.0	Miami, FL	USA	[A]	EE
21/03	0118	518.0	Boston, MA	USA	[F]	EE
21/03	0148	518.0	Portsmouth, VA	CAN	[N]	EE
21/03	0241	518.0	Sydney, NS	CAN	[Q]	EE
21/03	0332	518.0	Augusta	SCY	[V]	EE
21/03	0424	518.0	Riviere-au-Renard, QC	CAN	[C]	EE
13/04	0019	518.0	Haifa	ISR	[P]	EE
13/04	0037	518.0	Istanbul	TUR	[D]	EE
13/04	0052	518.0	Samsun	TUR	[E]	EE
13/04	0054	518.0	Arkhangelsk	RUS	[F]	EE
13/04	0130	518.0	Izmir	TUR	[I]	EE
13/04	0151	518.0	Limnos	GRC	[L]	EE
13/04	0257	518.0	Roma	ITA	[R]	EE
13/04	2358	518.0	Serapeum (Ismailia)	EGY	[X]	EE
14/04	0231	518.0	Odessa	UKR	[C]	EE

20/04	0020	518.0	Hamala	BHR	[B]	EE
20/04	0117	518.0	Kerch	UKR	[B]	EE
20/04	0145	518.0	Kerkyra	GRC	[K]	EE

A holiday log from Andy Robins KB8QGF

“I recently returned from a two-week holiday in and around New Zealand and Australia. We were on a cruise aboard the M/V Sapphire Princess and had an opportunity to do a little NDB listening using a Sony SW-7600GR w/internal ferrite antenna. The results follow.” (Andy Robins)

Location: Auckland harbor; daytime

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070311	0244	254	WI	Waiuku, NZL	+1020-	RF73
20070311	0146	274	GB	Great Barrier Is, NZL	+1020-	RF73 Sends "dit"(e) before ID.
20070311	0143	314	RD	Miranda, NZL	+1020-	RF73
20070311	0141	326	WR	Whangarei, NZL	+1020-	RF73
20070311	0139	334	HD	Whitford, NZL	+1020-	RF73
20070311	0127	390	HN	Hamilton, NZL	+1020-	RF73
20070311	0129	398	OT	Westpoint, NZL	+1020-	RF73

Location: At sea approaching Tauranga; before dawn

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070312	1710	299	CWR	Cowra NSW, AUS	+400-	RF82
20070312	1718	326	MSO	Mount Sandon NSW, AUS	+400-	RF82
20070312	1720	346	TG	Tauranga, NZL	+1020-	RF82
20070312	1720	350	SY	Surrey, NZL	+1020-	RF82
20070312	1724	354	NR	Napier, NZL	+1020-	RF82
20070312	1728	362	WK	Whakatane, NZL	+1020-	RF82
20070312	1730	366	SF	Springfield, NZL	+1020-	RF82
20070312	1734	370	NP	New Plymouth, NZL	+1020-	RF82
20070312	1735	382	WU	Wanganui, NZL	+1020-	RF82

Location: At sea departing Tauranga; after sunset

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070313	0952	226	KK	Kerikeri, NZL	+1020	RF82
20070313	0952	230	AP	Taupo, NZL	+1020	RF82
20070313	0948	238	KT	Kaitaia, NZL	+1020-	RF82
20070313	0946	246	WO	Wairoa, NZL	+1020-	RF82 Slow ID
20070313	0939	258	PM	Palmerston North, NZL	+1020-	RF82
20070313	0936	260	NF	Norfolk Island, NFK	+400-	RF82
20070313	0930	286	CC	Cape Campbell, NZL	+1020-	RF82 Very slow ID.
20070313	1715	310	HK	Hokitika, NZL	+1020-	RF82
20070313	0917	354	FND	La Tontouta/Noumea, NCL	0	RF82 Long DAID (~30 seconds).
20070313	0905	358	MI	Mosgiel, NZL	+1020	RF82
20070313	0908	358	NL	Newlands, NZL	+1020-	RF82
20070313	0910	361	BA	Port Vila/Bauerfield, VUT	+1020-	RF82
20070313	0857	385	AL	Malolo/Nadi, FJI	+1020	RF82
20070313	0843	403	TUT	Tutuila/Pago Pago, SMA	+1020	RF82
20070313	0843	412	SON	Santo/Pekoa, VUT	+1020-	RF82

Location: Enroute Lyttleton/Christchurch; night

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070314	0846	210	AY	Appleby, NZL	+1020-	RE77
20070314	0851	218	OH	Ohakea, NZL	+1020-	RE77
20070314	0853	226	FY	Ferry, NZL	+1020-	RE77
20070314	0855	234	TY	Titahi Bay, NZL	+1020-	RE77
20070314	0858	242	PP	Paraparaumu, NZL	+1020-	RE77

20070314	0905	298	WN	Wellington, NZL	+1020-	RE77
20070314	0913	350	KI	Kaikoura, NZL	+1020-	RE77
20070314	0922	1630	TM	Taumarunui, NZL	+1020-	RE77

Location: Departing Lyttleton/Christchurch; night

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070315	0726	254	AS	Ashburton, NZL	+1020-	RE66
20070315	0738	262	OD	Woodend, NZL	+1020-	RE66
20070315	0741	302	OU	Oamaru, NZL	+1020	RE66
20070315	0749	322	CI	Chatham Islands, NZL	+1020	RE66
20070315	0758	366	TU	Timaru, NZL	+1020-	RE66
20070315	0801	374	BU	Burnham, NZL	+1020-	RE66

Location: Nearing Port Chalmers/Dunedin; before dawn

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070315	1741	214	NV	Invercargill, NZL	+1020	RE54
20070315	1702	338	SW	Swampy, NZL	+1020-	RE54
20070315	1705	346	MO	Manapouri, NZL	+1020-	RE54
20070315	1707	353	SLS	Shellys NSW, AUS	+400-	RE54
20070315	1717	378	HL	Henley, NZL	+1020-	RE54
20070315	1727	383	WON	Wonthaggi VIC, AUS	+400-	RE54
20070315	1730	386	LX	Alexandra, NZL	+1020-	RE54
20070315	1733	394	BE	Berridale, NZL	+1020-	RE54

Location: Nearing Fiordlands; before dawn

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070316	1705	323	HBK	Holbrook NSW, AUS	+400-	RE33
20070316	1714	338	MCO	Mallacoota VIC, AUS	+400-	RE33
20070316	1722	359	AMB	Amberley QLD, AUS	+400-	RE33
20070316	1734	395	MER	Merimbula NSW, AUS	+400-	RE33
20070316	1740	424	ORG	Orange NSW, AUS	+400	RE33

Location: Crossing the Tasman Sea; before dawn

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070317	1636	272	LHI	Lord Howe Island, AUS	+400-	RE15
20070317	1640	278	CG	Coolangatta QLD, AUS	+400-	RE15
20070317	1648	305	GTH	Griffith NSW, AUS	+400-	RE15
20070317	1653	311	CH	Coffs Harbour NSW, AUS	+400-	RE15
20070317	1704	329	NAR	Narrandera NSW, AUS	+400-	RE15
20070317	1708	335	YAS	Yass NSW, AUS	+400-	RE15
20070317	1818	350	ESL	East Sale VIC, AUS	+1020-	RE15
20070317	1722	374	BML	Bromelton QLD, AUS	+400-	RE15
20070317	1728	380	MC	Maroochydore QLD, AUS	+1020-	RE15
20070317	1728	380	COR	Corowa NSW, AUS	+400-	RE15
20070317	1731	389	GFN	Grafton NSW, AUS	+400-	RE15
20070317	1734	395	PMQ	Port Macquarie NSW, AUS	+400-	RE15
20070317	1746	446	TNG	Thangool QLD, AUS	+1020	RE15

Location: Tasman Sea crossing midpoint; after sunset

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid
20070318	1104	224	WMD	West Maitland NSW, AUS	+400	QE96
20070318	1116	287	WLE	Williamsdale NSW, AUS	+400-	QE96
20070318	1118	290	SGT	Singleton NSW, AUS	+400-	QE96
20070318	0931	293	COM	Cooma NSW, AUS	+400	QE96
20070318	1133	332	BHI	Broken Hill NSW, AUS	+1020-	QE96

20070318	0944	341	TW	Tamworth NSW, AUS	+400-	QE96	
20070318	0946	347	RIC	Richmond NSW, AUS	+400	QE96	
20070318	1138	353	LRE	Longreach QLD, AUS	+1020-	QE96	
20070318	0953	365	WLM	Williamstown NSW, AUS	+400-	QE96	~30-second ID cycle.
20070318	1000	371	TRE	Taree NSW, AUS	+400-	QE96	
20070318	1003	377	ROM	Roma QLD, AUS	+400-	QE96	
20070318	1013	386	CRG	Corryong VIC, AUS	+400-	QE96	
20070318	1021	398	MDG	Mudgee NSW, AUS	+400-	QE96	
20070318	1026	401	ARM	Armidale NSW, AUS	+400-	QE96	
20070318	1032	404	CTM	Cootamundra NSW, AUS	+400-	QE96	
20070318	1035	407	GDH	Gunnedah NSW, AUS	+400-	QE96	
20070318	1035	407	GLB	Goulburn NSW, AUS	+400-	QE96	
20070318	1050	413	NBR	Narrabri NSW, AUS	+400-	QE96	
20070318	1047	486	LTV	Latrobe Valley VIC, AUS	+400-	QE96	

Location: Tasman Sea crossing, second night; after sunset

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid	
20070319	1101	227	LVG	Mount Livingston VIC, AUS	+400	QE46	
20070319	1244	236	AY	Albury NSW, AUS	+400-	QE46	
20070319	1247	242	TBD	Tailem Bend SA, AUS	+400-	QE46	
20070319	1104	245	BDG	Bendigo VIC, AUS	+400	QE46	
20070319	1252	248	SMI	Smithton VIC, AUS	+400-	QE46	
20070319	1110	251	DU	Dubbo NSW, AUS	+400	QE46	
20070319	1255	254	MNG	Mangalore VIC, AUS	+400-	QE46	
20070319	1113	257	SRN	Strahan TAS, AUS	+400	QE46	
20070319	1117	260	XP	Unidentified (1)	+400	QE46	
20070319	1121	269	CV	Charleville QLD, AUS	+1020-	QE46	
20070319	1125	275	CWS	Cowes VIC, AUS	+400-	QE46	
20070319	1130	276	TVL	Townsville QLD, AUS	+1020	QE46	
20070319	1133	284	MFD	Mansfield VIC, AUS	+400-	QE46	
20070319	1304	287	NRC	Naracoorte SA, AUS	+400	QE46	
20070319	1136	296	FLI	Flinders Island TAS, AUS	+400-	QE46	
20070319	1144	341	ECH	Echuca NSW, AUS	+400-	QE46	
20070319	1147	344	YOL	Yolla A Platform, XOP	1020-	QE46	Australian most likely.
20070319	1153	359	NWA	Nowra NSW, AUS	+1020-	QE46	
20070319	1310	362	BOL	Bolinda-Melbourne, VIC, AUS	+400-	QE46	
20070319	1159	374	TTR	Tea Tree TAS, AUS	+400-	QE46	
20070319	1202	377	EPP	Epping-Melbourne VIC, AUS	+400-	QE46	
20070319	1208	389	PLC	Port Lincoln SA, AUS	+1020-	QE46	Very high pitch.
20070319	1213	392	STH	Saint Helens TAS, AUS	+400	QE46	
20070319	1213	392	TGM	Thargomindah QLD, AUS	+1020-	QE46	
20070319	1216	398	GDI	Goondiwindi QLD, AUS	+1020	QE46	
20070319	1222	404	MQD	Mount McQuoid NSW, AUS	+400-	QE46	
20070319	1226	407	SWH	Swan Hill VIC, AUS	+400-	QE46	
20070319	1228	413	SBG	Strathbogie VIC, AUS	+400-	QE46	
20070319	1230	416	BK	Bankstown NSW, AUS	+1020	QE46	
20070319	1233	419	PCK	Point Cook NSW, AUS	+1020-	QE46	

Location: Nearing Hobart; before dawn / Departing Hobart; after sunset

YYYYMMDD	UTC	kHz	ID	Location	~Offset	Rx Grid	
20070319	1900	362	HB	Hobart TAS, AUS	+1020-	QE37	
20070320	1437	242	LT	Launceston TAS, AUS	+1020	QE48	
20070320	1514	302	WYY	Wynyard TAS, AUS	+1020-	QE48	~20sec cycle; voice ATIS
20070320	1003	311	EDN	Edinburgh SA, AUS	+1020	QE46	
20070320	1522	326	NHL	Nhill VIC, AUS	+400-	QE48	

20070320 0926 389 WWL West Wyalong NSW, AUS +400- QE46

Location: Midway between Hobart and Melbourne; daytime

<u>YYYYMMDD</u>	<u>UTC</u>	<u>kHz</u>	<u>ID</u>	<u>Location</u>	<u>~Offset</u>	<u>Rx Grid</u>
20070321	0453	212	BNS	Bairnsdale VIC, AUS	+400-	QF30
20070321	0502	218	PLE	Melbourne-Essendon VIC, AUS	+400-	QF30
20070321	0518	281	DPO	Devonport TAS, AUS	+1020-	QF30

Location: Nearing Melbourne; after sunset/ Departing Melbourne; after sunset

<u>YYYYMMDD</u>	<u>UTC</u>	<u>kHz</u>	<u>ID</u>	<u>Location</u>	<u>~Offset</u>	<u>Rx Grid</u>
20070321	1036	203	WGT	Wangaratta VIC, AUS	+400	QF21
20070321	1214	206	BIK	Bindook NSW, AUS	+400-	QF21
20070321	1228	215	NRM	Narromine NSW, AUS	+400-	QF21
20070321	1229	218	CMU	Cunnamulla QLD, AUS	+1020-	QF21
20070321	1043	224	RPY	Avalon-Ripley VIC, AUS	+400	QF21
20070321	1048	239	WOL	Wollongong NSW, AUS	+400	QF21
20070321	1238	239	BLT	Ballarat VIC, AUS	+400	QF21
20070321	1051	242	PKS	Parkes NSW, AUS	+400-	QF21
20070321	1240	248	WR	Woomera SA, AUS	1020-	QF21
20070321	1056	257	RUG	Rugby NSW, AUS	+400-	QF21
20070321	1100	260	IVL	Inverell NSW, AUS	+400-	QF21
20070321	1247	266	BUD	Bundaberg QLD, AUS	+400-	QF21
20070321	1252	281	BRW	Brewarrina NSW, AUS	+400-	QF21
20070321	1255	287	LEC	Leigh Creek SA, AUS	+1020-	QF21
20070321	1303	308	MK	Mackay QLD, AUS	+1020-	QF21
20070321	1115	332	KII	King Island VIC, AUS	+1020-	QF21
20070321	1117	338	ROC	Rockdale VIC, AUS	+400-	QF21
20070321	1118	338	MA	Mount Isa QLD, AUS	+1020-	QF21
20070321	1125	356	EN	Melbourne VIC, AUS	+1020-	QF21 ~20sec cycle; voice ATIS.
20070321	1134	371	HUG	Hughendon QLD, AUS	+1020-	QF21
20070321	1137	374	WLG	Walgett NSW, AUS	+400-	QF21
20070321	1142	383	BTH	Bathurst NSW, AUS	+400-	QF21
20070321	1145	386	QDI	Quirindi NSW, AUS	+400-	QF21
20070321	1155	398	MB	Moorabbin VIC, AUS	+1020-	QF21
20070321	1156	401	CDO	Condobolin NSW, AUS	+400-	QF21
20070321	1204	413	BDV	Birdsville QLD, AUS	+1020-	QF21
20070321	1207	416	MTI	Mornington Island QLD, AUS	+1020	QF21
20070321	1210	486	FBS	Forbes NSW, AUS	+1020-	QF21
20070322	1030	362	AD	Adelaide SA, AUS	+1020	QF21
20070322	1038	383	SGE	Saint George QLD, AUS	+1020	QF21

Location: Last night, approaching Sydney; after sunset

<u>YYYYMMDD</u>	<u>UTC</u>	<u>kHz</u>	<u>ID</u>	<u>Location</u>	<u>~Offset</u>	<u>Rx Grid</u>
20070323	0928	215	MRY	Moruya NSW, AUS	+400-	QF54
20070323	0934	248	CCK	Church Creek ACT, AUS	+400-	QF54
20070323	0940	263	CB	Canberra ACT, AUS	+400-	QF54
20070323	1002	374	WJS	Wee Jasper NSW, AUS	+400-	QF54
20070323	1005	377	MBY	Modbury SA, AUS	+400-	QF54
20070323	1014	395	CBA	Cobar NSW, AUS	+400-	QF54

I thank Andy for this holiday listening log and hope that it will inspire others to take a receiver and record more of the signals that we here in the UK do not have the opportunity to hear. It is also a valuable resource for those who may come across these signals and assist them with an ID or simply confirm that these NDBs are active.

Please note the contribution deadline is June 24th 73s Dave

NORTH AMERICAN NEWS

✉ 20 Ryehill Park, Kirklington, Carlisle CA6 6BH

with Barry Davies

e-mail: na-news@mwcircle.org

Welcome to another round up of what's been happening on the North American AM dial. May I express my gratitude to the organisations which make this resume possible? Thanks this month to:
- Ohio Media Watch, DX-mid-America, NERW, NRC, ABDX, KOJE, Upper Midwest Broadcasting



- 730 CKAC** Montreal QC. This FF station has dropped its all talk format and is now all sports.
- 780 CFDR** Halifax NS. This country station has been authorised to move to 88.9 FM. The AM signal will simulcast FM for 3 months. (Dean McIntyre)
- 850 KICY** Anchorage AK; granted power increase to 50kW day & night. Currently on special temporary authority of 25kW since fire at tx. The two antenna masts will be rebuilt over the summer and station expects high power after September.
- 870/ KHNR** Honolulu, Hawaii: has moved from 870 to 880. 2,000 watts fulltime, non-directional, 21-17-41/157-51-49. (Doug Smith American bandscan blog April 30 via DXLD) So their California station on 870 can power up?
- 880**
- 950 CHER** Sydney NS. This oldies station shuts 950AM for 98.3FM on May 24th 2007.
- 960 CFFX** Kingston ON. This oldies station has asked for a move to 104.3 FM.
- 1130 KWKH** Shreveport LA. Clear Channel have sold the station. No news of any format change from current country music classics.
- 1160 WVNJ** Oakland NJ. "The station of the stars" is no more. The owners have dropped the music format and now have brokered talk and religion as "The Voice."
- 1350 WARF** Akron OH. The station has dropped its talk format from Air America and the ID tag "Radio Free Ohio." The station is now all sports from Sporting News Radio network. The new ID tag is "Sports Radio 13-50."
- 1380 CKLC** Kingston ON. This nostalgia station has asked for a move to 98.9 FM.
- 1390 WEGP** Presque Isle ME. This C2C talk station has the OK for a power increase. The station will run 25kW days and 10kW nights from April 30th 2007.
- 1510 KCKK** Littleton CO. This country music station is currently 19,000watts nights. The station is due to go 25,000watts nights in the next few months. The engineer Patrick Griffith confirms that most of the signal is sent North and South. May be one to look out for next season.
- 1610 CHHA** Toronto ON. This SS religious station, aimed at Toronto's Cuban community, has been granted 10kW day power. A distinct sundown DX possibility! The station's slogan is "Voces Latinas 16-10 AM Toronto."
- 1650 C+++** Mississauga ON. Licence granted to this ethnic station. Power 1kW./0.68kW.
- 1660 WQLR** Kalamazoo MI. Change of call letters. (ex WQSN) Format still ESPN sports.
- 1660 KQWB** West Fargo ND. Drops talk and flips to sports from ESPN. IDs as "16-60 ESPN."

Here is a general round up of what's been happening on the North American AM dial courtesy of our friends at the [International Radio Club of America](#).

CALL LETTER CHANGES

FREQ	OLD CALL	CITY	NEW CALL
700	WGZS	Dothan, AL	WEEL
810	KSJL	Somerset, TX	KYTY
910	KKSN	Vancouver, WA	KTRO
960	WGLH	La Follette, TN	WQLA
980	KUPI	Ammon, ID	KSPZ
1010	KSZN	Milwaukie, OR	KMUZ
1010	WIOJ	Jacksonville Beach, FL	WJXL
1030	KEVT	Cortaro, AZ	KCEE (station was silent-ye ed)
1130	new	Mount Angel, OR	KTRP
1150	KUHD	Port Neches, TX	KBPO
1220	KBDY	Salem, OR	KPJC
1220	WIBQ	Sarasota, FL	WSRQ
1230	KMUZ	Gresham, OR	KSZN
1230	WKND	Manchester, CT	WNEZ
1230	WZNO	Pensacola, FL	WDWR
1300	KFNI	Pleasanton, TX	KAJG
1320	WJGR	Jacksonville, NC	WBOB
1330	KENU	Enumclaw, WA	KGRG
1370	new	Charlestown, RI	WKFD
1380	KAJG	Pleasanton, TX	KWMF
1390	KSLM	Salem, OR	KKSN
1450	new	Cameron, AZ	KYNN
1450	WFFX	Meridian, MS	WYHL
1460	WBJX	Racine, WI	WJTI
1470	KZTG	Brooklyn Park, MN	KRJJ
1470	WYHM	Allentown, PA	WSAN
1480	WNEZ	Windsor, CT	WKND
1530	WLSP	Lapeer, MI	WLCO
1570	WSSS	Morrow, GA	WIGO
1660	WDAF	Kansas City, MO	KXTR
1660	WQSN	Kalamazoo, MI	WQLR

FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
580	WOFE	Rockwood, TN	country	classic country
630	KLEA	Lovington, NM	soft AC	country
640	WGOE	Blountville, TN	traditional country	sports
640	WNNZ	Westfield, MA	sports	news/talk
700	WEEL	Dothan, AL	silent	oldies
730	CKAC	Montreal, PQ	French news/talk	sports
740	KATK	Carlsbad, NM	adult standards	classic hits
770	WAIS	Buchtel, OH	traditional country	talk
790	KFPT	Clovis, CA	talk	sports //KFIG-1430
810	KYTY	Somerset, TX	urban AC	contemporary Christian
830	KMUL	Farwell, TX	Spanish	regional Mexican
860	KTRB	San Francisco, CA	oldies	talk

860	WLBG	Laurens, SC	R&B oldies	talk
890	KKBM	Frankston, TX	silent	regional Mexican
900	WBRV	Boonville, NY	country	oldies
900	WLSI	Pikeville, KY	classic country	talk
910	KIYU	Galena, AK	variety	silent
920	WTCW	Whitesburg, KY	oldies	classic country
940	KTON	Belton, TX	classic country	silent
960	WPRT	Prestonburg, KY	oldies	talk
990	KTMS	Santa Barbara, CA	talk	format not available
990	WALE	Greenville, RI	silent	smooth jazz
990	WALE	Greenville, RI	smooth jazz	silent
990	WLEE	Richmond, VA	southern gospel	news
1010	KIND	Independence, KS	soft AC	country
1010	KSZN	Milwaukie, OR	Spanish sports	Spanish adult hits
1010	WIOJ	Jacksonville Beach, FL	WJXL, talk	sports
1030	KCEE	Cortaro, AZ	silent	adult standards
1040	WOKT	Cannonsburg, KY	sports	contemporary Christian
1040	WZNA	Moca, PR	format not available	romantica
1070	WSCP	Sandy Creek, NY	classic rock	contemporary Christian
1080	WOAP	Owosso, MI	silent	religious teaching //WCAR
1110	KWDB	Oak Harbor, WA	adult contemporary	adult hits
1130	WOFK	Murray, KY	sports	adult contemporary
1140	KTMR	Edna, TX	tejano	ethnic //KJOJ-880
1140	WRLV	Salyersville, KY	southern gospel	country
1160	WVNJ	Oakland, NJ	adult standards	talk
1170	WFDL	Waupun, WI	news/talk	adult standards
1170	WXRK	Hanceville, AL	classic rock	southern gospel
1210	KQTL	Sahuarita, AZ	Spanish news-talk	regional Mexican
1230	KLIC	Monroe, LA	religious teaching	talk
1230	KMUZ	Gresham, OR	Spanish adult hits	Spanish sports
1230	WANO	Pineville, KY	oldies	silent
1230	WARL	Attleboro, MA	sports	talk
1230	WBOK	New Orleans, LA	silent	black gospel
1230	WMLR	Hohenwald, TN	traditional country	talk
1230	WNEZ	Manchester, CT	urban AC	Spanish news-talk
1230	WODI	Brookneal, VA	black gospel	oldies
1230	WXTI	Dublin, GA	country	classic country
1230	WZNO	Pensacola, FL	southern gospel	religious teaching
1240	KELK	Elko, NV	country	adult contemporary
1250	KNWH	Twentynine Palms, CA	talk	sports
1250	WIPS	Ticonderoga, NY	oldies	adult standards
1260	KFFF	Boone, IA	southern gospel	talk
1260	KIMB	Kimball, NE	talk	country
1260	KKGO	Beverly Hills, CA	country	classical
1260	WEKZ	Monroe, WI	country	classic country
1270	WHGS	Hampton, SC	silent	adult contemporary
1270	WMLC	Monticello, MS	southern gospel	talk
1280	WFBS	Berwick, PA	silent	sports //WICK-1400
1280	WOWZ	Appomattox, VA	format not available	religious teaching
1290	WNIL	Niles, MI	adult standards	talk

1290	WRRR	Frederiksted, VI	gospel music	variety //WDHP-1620
1300	WIBR	Baton Rouge, LA	talk	sports
1310	WADB	Asbury Park, NJ	country	Spanish
1310	WTIK	Durham, NC	Spanish	regional Mexican
1320	KCTC	Sacramento, CA	talk	sports
1320	WILS	Lansing, MI	adult standards	talk
1320	WKIN	Kingsport, TN	talk	traditional country
1330	WCVC	Tallahassee, FL	religious teaching	silent
1340	KIJV	Huron, SD	soft AC	oldies
1340	WHAP	Hopewell, VA	silent	format not available
1340	WMDR	Augusta, ME	southern gospel	religious teaching
1350	WARF	Akron, OH	talk	sports
1350	WHWH	Princeton, NJ	silent	ethnic
1360	WKYO	Caro, MI	traditional country	classic country
1370	KPCO	Quincy, CA	talk	silent
1380	KDXE	North Little Rock, AR	talk	sports
1380	KSRV	Ontario, OR	oldies	country
1380	WGYV	Greenville, AL	oldies	talk
1390	WLUA	Belton, SC	silent	format not available
1400	KENT	Parowan, UT	easy listening	adult standards
1400	KRVZ	Springerville, AZ	oldies	talk
1400	WEST	Easton, PA	soft AC	format not available
1410	WDOE	Dunkirk, NY	adult standards	oldies
1430	WPNI	Amherst, MA	news/talk	folk
1440	WGLD	Red Lion, PA	silent	classic hits
1450	KIOV	Notus, ID	silent	sports
1450	WCRS	Greenwood, SC	talk	adult standards
1450	WYHL	Meridian, MS	WFFX, sports	black gospel
1460	WEMR	Tunkhannock, PA	adult contemporary	silent
1460	WZNZ	Jacksonville, FL	sports	religious teaching
1470	KAIR	Atchinson, KS	country	religious teaching
1470	KGND	Vinita, OK	oldies	sports
1470	WSAN	Allentown, PA	WYHM, cont. Xtian	sports
1480	WHBC	Canton, OH	soft AC	talk
1480	WKGC	Panama City Beach, FL	news/talk	Spanish
1480	WKND	Windsor, CT	Spanish news-talk	urban AC
1480	WYRN	Louisburg, NC	country	news-talk
1490	KBKO	Santa Barbara, CA	regional Mexican	talk
1490	WCSS	Amsterdam, NY	adult standards	silent
1490	WCSS	Amsterdam, NY	silent	adult standards
1490	WJOC	Chattanooga, TN	gospel music	religious teaching
1490	WSVM	Valdese, NC	oldies	adult standards
1500	WKIZ	Key West, FL	talk	Spanish religious
1530	WDAP	Huntingdon, TN	silent	format not available
1530	WLCO	Lapeer, MI	adult standards	country
1530	WYMM	Jacksonville, FL	talk	religious teaching
1540	WTXY	Whiteville, NC	new	Christian CHR/rock
1560	KHBR	Hillsboro, TX	country	classic country
1560	WMRO	Gallatin, TN	oldies	rhythmic AC
1590	KRSX	Victorville, CA	ranchero	Spanish religious

1590	WPWA	Chester, PA	black gospel	Spanish religion
1590	WRXB	St. Petersburg, FL	gospel music	urban AC
1600	KOHI	St. Helens, OR	country	talk
1600	WZZW	Milton, WV	contemporary Xtian	talk
1660	KXOL	Brigham City, UT	romantica	Spanish
1690	KFSG	Roseville, CA	Spanish religious	ethnic

Contributors:

Dennis Gibson, Santa Barbara, CA (DG-CA)
 Dave Gordon, San Jose, CA (DG2-CA)
 Mike Hardester, Jacksonville, NC (MH-NC)
 Dale Park, Honolulu, HI (DP-HI)
 Charles Taylor, Greenville, NC (CT-NC)

CANADIAN RADIO NEWS

Dan Sys- dsysca@yahoo.ca

For March 2007 (April 1 2007) (next update 5/1/2007)

FORMAT CHANGES

730	QC	Montreal	CKAC	From News-Talk to All Sports (French)
1280	ON	Toronto	CFBN	From Airport Information (as CFYZ) to All Business News

CALL LETTER DATA

1280	ON	Toronto	CFYZ	Becomes CFBN
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OFF THE AIR

1210	AB	Slave Lake	CKWA	Finally dark after 5 months (2 of which were apparently illegal) of simulcasting their new flipped FM CHSL 92.7
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NEW STATIONS GRANTED

1670	QC	Gatineau		1,000 watts (Childrens Programming) (French) (Fondation Radio Enfant du Canada) (replaces earlier CP for new station at 1250 in Ottawa, ON)
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AM TO FM CONVERSIONS GRANTED

1420	ON	Peterborough		Move to 99.3 with 5,700 watts (format will remain Soft AC/Standards)
------	----	--------------	--	----------------------------------------------------------------------



Barry



CENTRAL AMERICAN NEWS

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with Tore Larsson

Costa Rica

1240 TI.. R. Corobicy - ☒ Frente a la Central de Hielo Frío, Cañas, Guanacaste, new station.
CANARA via Christer Brunström, ARC

Dominica

590 Dominica Broadcasting Corporation. In February, I passed the broadcasting house of the Dominica Broadcasting Corporation in Victoria Street, Roseau. This station is broadcasting on FM only nowadays, but their sign on top of the building still shows their former frequency 590 AM!

Dirk Nehring, Burgrieden, Germany, DSWCI DX Window 21.3.2007 via DXLD

Dominican Republic

Updates from INDOTEL:

- 560 Radio Amanecer, ex Radio Ritmos, Santiago
- 580 Radio Metro, Montecristi. Radio Montecristi to 940 kHz
- 600 Radio Studio 600 AM, Santo Domingo delete
- 600 Radio TV Dominicana, La Romana (*inactive?*)
- 670 Radio TV Dominicana, Montecristi (*inactive?*)
- 680 Radio TV Dominicana, Sosua (*inactive?*)
- 680 Radio Zamba, Santiago Rodríguez
- 680 Radio Zamba, Santo Domingo
- 740 Radio Cayacoa. Higüey to 780
- 750 Radio Libertad, ex Radio Cristo es el Señor, Santiago
- 770 Radio Activa, ex Radio Popular, Santiago
- 780 Radio Cayacoa, Higüey ex 740
- 790 Radio Million, ex LV del Trópico, Santo Domingo
- 810 Radio Novel, Santiago
- 820 Radio Santiago, ex Radio Bachatera 8-20, Santiago (*here the list shows two stations at the same location on adjacent frequencies, 810 and 820. Quite obviously one of the listings must be wrong, but which one?*)
- 880 AM 88, ex Radio Santa Cruz, Mao Valverde
- 900 Radio Amanecer, San Pedro de Macorís to 1060 kHz
- 900 Radio Amanecer, ex Radio Super Mega, Neyba
- 940 Radio Montecristi, Montecristi, ex 580
- 940 Radio Popular, Santo Domingo, ex 950 kHz
- 970 Radio Barahona, Barahona, ex 1240 kHz
- 1010 Radio Beller, Dajabón ex 1000 kHz
- 1020 R. Enriquillo, Neyba
- 1060 Radio Amanecer, ex Radio Mar, San Pedro de Macorís
- 1060 Radio Amanecer, San Francisco de Macorís, delete
- 1080 Radio RPQ Sport, ex Radio Ambar, Santo Domingo,
- 1100 Radio Comercial, ex Radio Nagua, Nagua
- 1100 Radio Jimaní, Jimaní, ex 1090
- 1110 Turismo y Comunicaciones (TURCOM), ex Radio Jarabacoa, Jarabacoa
- 1130 CDN La Radio, Santiago (*for this station INDOTEL lists "La Mezcla" (as in the WRTH), but the station has been identified by Henrik Klemetz with the new name "CDN La Radio"*).
- 1200 Radio VEN – Voz Evangelica Nacional, Santo Domingo, ex 1210
- 1230 Onda Santiaguera, Santiago
- 1230 Radio Moca, Moca to 1550 kHz

- 1240 Radio Barahona, Barahona to 970 kHz
1240 Radio María, Santo Domingo
(Postal address given: Ave. 27 de febrero # 238, Edif. Rodríguez Sandoval 5to piso, Sto Domingo)
1240 Radio Vida, ex Radio Revelación, Puerto Plata
1250 Radio Juventud, ex El Sonido del Este, La Romana
1280 Radio Clave, Monte Plata, delete
1300 Radio Radio, ex Radio Dos, Santo Domingo *(If so, it has returned to its former name)*
1410 Radio Sol, Higuey, delete
1420 Radio Oro, Santo Domingo
1440 Radio Bahía, Nagua, delete
1440 LV Cristocentrica, ex Radio Renuevo, Santo Domingo
1490 Radio Universal, Santiago, delete
1490 Radio Ronda, Moca
1500 Radio Higüey, ex Radio Color, Higüey
1550 Radio Moca, Moca, ex 1230 kHz
1560 Cadena Espacial, ex Radio Unica, Santiago
1570 Radio Libertad, Santiago ex 1590 kHz *(here the list also shows two stations at the same location on adjacent frequencies, 1560 and 1570. Cfr 810/820 above)*
1590 Radio Mundo, ex Radio Libertad, Santiago
1650 RADECO, Santiago
1660 Fundación Lama, Santo Domingo
1700 Iglesia Biblica del Señor Jesucristo, Santo Domingo

INDOTEL April 2007 via ARC

 Mauno Ritola writes: Now also Radio María Panamá ID has been heard on 1240 kHz. There's a Radio María station in Santo Domingo, Dominican Republic in the INDOTEL list traced by Henrik. I asked Radio María HQ and they deny the possibility of having a station in Panamá on 1240 kHz (though mention 1310 kHz, which has also been heard), but say that: "It's possible that the radio in Santo Domingo was broadcasting a program created in Panama that was shared for some purpose, receiving it via the PAS9 satellite where RM Panama is uplinking. It happens that in certain cases the radios receive a program from Spain, Italy or other countries and rebroadcast it into their network."

But it seems that to ID Radio María (with multiple transmitters on the same frequency) definitely one has partly to rely on the direction of the conditions or needs a reliable confirmation from the station or to know which satellite up-/downlinks each station has
 Mauno Ritola, ARC

Mexico

- 540 XESURF Tijuana with country. 1260 is no longer parallel and is now KMZT "K-Mozart" with classical music. Richard Wood, NRC IDXD 74/25
1030 XEMPM Los Mochis ID as "RSN, el grupo más fuerte de la radio". Henrik Klemetz, ARC
1100 XEBAC Bahía Asunción "XEBAC Radio Sur California". WRTH claims it is a daytimer, but it obviously isn't. Richard Wood, NRC IDXD 74/25
1440 XEEST México, DF. "Cambio 1440, La Reina del Hogar" Richard Wood, NRC IDXD 74/25

W Radio station list

- | | | |
|----------------------------|----------------------------|-------------------------|
| <u>540</u> Monterrey | <u>940</u> Villa Hermosa | <u>1190</u> Cuernavaca |
| <u>540</u> San Luis Potosí | <u>960</u> Coatzacoalcos | <u>1190</u> Guadalajara |
| <u>620</u> Tepic | <u>1030</u> Acapulco | <u>1200</u> Culiacán |
| <u>680</u> Chihuahua | <u>1030</u> Tampico | <u>1240</u> Oaxaca |
| <u>690</u> Tijuana | <u>1040</u> Salamanca | <u>1300</u> Nogales |
| <u>790</u> Torreón | <u>1050</u> Mexicali | |
| <u>820</u> Durango | <u>1060</u> El Paso Texas | |
| <u>900</u> México, DF | <u>1070</u> Ciudad Obregón | |
| <u>900</u> Veracruz | <u>1090</u> Nuevo Laredo | |
| <u>910</u> Puerto Vallarta | | |

Puerto Rico

940 WIPR San Juan ID as "940 AM"

Henrik Klemetz, ARC

1560 WRSJ Bayamón – CP granted to increase day and night power levels to become U4 10/5 kW

NRC AMS 74/24

SOUTH AMERICAN NEWS

✉ Kirkåsveien 15, NO-1850 Mysen, Norway

with Tore B. Vik

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Argentina

- 550 R. Arco Iris – a new station in the BA-area Arnaldo Slaen in ConDig
800 R. AM Wajzugun - ☎ Sarmiento 340, San Martín de los Andes - ☎ 2972
410669 – e-mail: info@am800wajzugun.com.ar amplitud modulada
1020 La Radio de la Gente - new station - ☎ Calle Santa Fe 652 Oeste, (J5402ACN)
San Juan, Provincia de San Juan - daytime 25 kW and 5 kW at nights
1440 AM Tango, Buenos Aires - new frequency (ex 1120) Cornachioni in ConDig
1550 R. Urkupiña, Buenos Aires - new frequency (ex 1510) Cornachioni in ConDig

Brazil

- 570 ZYL261 R. Gospa Mira (ex. R. Capital - MG03) - ☎ Rua Júlia Lopes de Almeida 12,
Santa Maria, 30525-100 Belo Horizonte stn
700 ZYK686 R. Eldorado (SP32) - ☎ Av. Eng. Caetano Alvares, 55 - Limão, 02598-900 São
Paulo stn
1290 ZYK745 R. Metropolitana, São José dos Campos (ex. R. Vale) stn
1360 ZUJ268 R. Lider (ex. R. Pepita de Ouro) stn
1370 ZYK766 R. da Cidade (SP266) is the correct name for the SP station. Belongs to the
Brazilian "Group CBS". According to Rudolf Grimm, they often change name -
play music with ID on the hour. Rudolf Grimm
1410 R. A Voz do Serrado, Brasília, DF logged on 10.3.2007 at 0748. A new station.
Thanks to Ole and Jan, and to Rocco Cotroneo and Samuel Cássio, Brazil for
help. Arnstein Bue
1460 ZYH472 R. Povo (ex. R. Baiana - BA39) stn
1470 ZYJ698 R. Nova Lider (ex R. Lider do Vale - SC66) stn
1550 R. Libersom (new station) - ☎ Rua Minas Gerais 1225, Liberson, 14620-000
Orlândia stn

CPs – from Cláudio Moraes:

- 1160 Nortão Comunicação e Publicidade Ltda., 69200-000 Borba AM (1/0,25)
1260 Estudio Tunapore de Comunicação Ltda., Tunapoh SC (1/0,25)
1490 Sistema Integrado de Comunicação Ltda., 78670-000 Paranatinga MT (1/0,25)
1520 R. Vera Ltda., 78470-000 Rosário do Oeste MT (1/0,25)
1560 R. Canaã, 29200-000 Guarapari ES (1/0,25)
1580 Neves & Olivere&Andrade, 12260-000 Pararabuna SP (0,25) Cláudio Moraes

"A Voz do Brasil" to end? - The creation of a new national radio network can sweep out the program "A Voz do Brasil" from the Brazilian radio stations. President Lula wants to create a communication channel to cover actions of the government, and plans to launch a new radio network this year. This probably means the extinction of the daily program "A Voz do Brasil".

tudoradio.com posted by <http://finndxer.wordpress.com> 20.3.2007 via DXLD 7-038

Colombia

780 HJ. Emisora de Interés Público, Barrancabermeja, 10 kW.

A new Colombian AM station has been launched in Barrancabermeja. It's been a collaboration of Diocese of Barrancabermeja, 'Programa del Desarrollo y Paz del Magdalena Medio', 'Inupaz' and 'Asociación Red de Emisoras Comunitarias del Magdalena Medio' (Aredmag). The station is already on the air. With 10 kilowatts of power, 'Emisora de Interés Público' is the first regional transmitter in this part of the country. Their broadcasts reach the community in more than 30 municipalities in 4 'departamentos'. Aided by the new technology the signal reaches also other 'departamentos' like Norte de Santander, Atlántico, Bolívar and according to the experts, at night it covers great part of the countries in Central America. This initiative is supported by the project 'Radio para la Vida y la Paz', subsidized by the European Union through the 'Laboratorio de Paz del Magdalena'. The test transmissions have been conducted successfully since 15th of February. The transmitters are located in the Santa Lucia property of the University of La Paz and the studio is located in the address: Diócesis de Barrancabermeja, Calle Octava, entre carreras 15 y 16, Barrancabermeja. Sistema de Comunicación para la Paz vía José Alba Z. via Conexión Digital via <http://finndxer.wordpress.com>

1060 HJMG R. Litoral de Caracol, Turbo. The station is listed as Caracol Turbo, but calls itself "Caracol del Litoral", "Radio Litoral de Caracol" and "Mil Sesenta AM Radio Litoral, que buena onda". "AM Mil Sesenta, Litoral, la emisora que llega a tu corazón" is another ID. The station was logged last year in Canada and recently in UK by Barry Davies. Identified by Henrik Klemetz.

Barry Davies and Henrik Klemetz via MWC e-mail news 8.4.2007

Peru

990 OBX4X R. Latina (LI20) - ☒ Ignacio Merino 230, Santa Cruz, Miraflores stn

Uruguay

1050 CX26 New slogan for SODRE - "Radio Uruguay, Mil Cincuenta AM, Radiodifusión Nacional" Henrik Klemetz, ARC

Venezuela

Radio Nacional de Venezuela MV-stations:

560 Ciudad Guayana, Bolívar
560 Mahoma Currucay, Bolívar
560 Pto Ordaz, Bolívar
630 Caracas, Dtto Capital
640 Maracaibo, Zulia
650 Guigüe, Carabobo
660 El Tocal, Apure
770 Valencia, Carabobo
790 Ciudad Bolívar, Bolívar
880 Caracas, Dtto Capital (Musical)
1050 Barquisimeto, Lara
1240 Caseto, Falcón
1310 Guri, Bolívar
1310 Pto La Cruz y Barcelona, Anzoátegui
1310 Sta Elena de Uairén, Bolívar
1330 La Paragua, Bolívar RNV via Antonio Contin, Play-DX via Christer Brunström, AR

WORLD NEWS

[Europe, Asia, Africa]
with Renato Bruni

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Afghanistan

On 31 Mar at 1610, 1107 MW, 102.5 FM, and 93.0 FM all parallel with man speaking feelingly in Dari. Heard "Koran" a few times. Not sure why they need two FM stations, if always //... but don't know this for sure. The local media is giving lots of time to mullahs and others encouraging people to not include violence as part of Islam. 31 March from 1620 on: 972 R Aftinyah (?) Pop mx. Male and female announcers. VOA ID at 1535. 1107 Govt // 93.0 and 105.2 {my last log of 102.5 was a transformation error} 1296 with-it modern day local station in Pashtu(?) heard Urdu and Dari words also. Obvious news format at one point in time. Male and female announcers. 1422 maybe Afghanistan(?) possible Indian mx 1539 likely Afghanistan - another VOA xmitter? Bagram? At 1645, 972 and 1539 were 'parallel', with 1539 leading by a second or so, VOA ID. Today is Mohammed's birth and death day, so may be more 'religious' programs than usual. The first three are obvious local Kabul, others not so sure. FM is much more wide open... will try to get a survey of it in near future. (*David Norcross via dxld*)

972 is Orzu (Tajikistan) and currently listed for VOA=Radio Aap ki Dunyaa (in Urdu) at 0000-0200 and 1400-2400 and parallel new 1539 - not sure of exact location of this one (maybe some else knows?). 1107 is RTV at Pol-e Charkhi (near Kabul) 1296 is same location as 1107 and carries VOA-Radio Ashna in Dari, VOA Pashto and Radio Free Afghanistan all between listed 0030-1930 1422 is China Radio International via Kashi-Kashgar (*Noel Green via dxld*)

Transmitter info from Google Earth imagery research

New IBB station Deewa Radio MW Tani-Khost 621 kHz Harris 200 kW location near big airport at 33 19 54.76 N 69 56 10.84 E

Pol-i-Charki station repaired already and introduced again after demolition in May 2003, 1107 kHz AFG, and 1296 kHz for IBB. Two antenna masts visible. AFG Kabul Pol-e Charki/Udkhel AFG 1107 / IBB 1296 kHz. 34 32 16.34 N 69 20 19.28 E

AFG Kabul Udkhel [former] SWmasts at 122 / 302 degr, latter towards Europe in past decades 34 32 20.78 N 69 20 48.42 E. (*Wolfgang Büschel, Germany, wwdxc BC-DX Apr 25*)

Albania

Measured with SpecLab software. Noted R Tirana in Turk 1530, Greek 1545-1600 UT on 1457.984 kHz, Apr3rd. Noted R Tirana in Albanian at 0700 UT on 1457.985 kHz, Apr 4th. Noted CRI in Esperanto at 1600 UT on 1214.592 kHz, Apr 3rd. Noted [tentat] CRI in English at 0700 UT on 1214.751 kHz, Apr 4th. weak. Noted TWR in Hungarian at 1910 UT on 1394.799 kHz, Apr 3rd.

R Tirana in Albanian

0630-0800 1234567 Fllaka 500 1458 338deg
0801-0900 1234567 Fllaka 500 1395 033deg
1400-1530 1234567 Fllaka 500 1458 OND
Greek 1545-1600 .234567 Fllaka 500 1458 OND
German 1801-1829 .234567 Fllaka 500 1458 338deg
Serbian 2015-2030 .234567 Fllaka 500 1458 004deg
Turkish 1530-1545 .234567 Fllaka 500 1458 OND

Deutsche Welle

Albanian 0540-0600 1234567 Fllaka 500 1215 OND
Serbian 2000-2015 1234567 Fllaka 500 1458 004deg

TWR Europe

Various Europe 1810-2100 1234567 Fllaka 500 1395 330deg

CRI Beijing

English Europe 0600-0757 1234567 Fllaka 500 1215 OND
Albanian Europe 1500-1557 1234567 Fllaka 500 1215 OND
BulgarianEurope 1600-1657 1234567 Fllaka 500 1458 OND
EsperantoEurope 1600-1657 1234567 Fllaka 500 1215 OND
Italian Europe 1700-1757 1234567 Fllaka 500 1458 OND
Romanian Europe 1700-1757 1234567 Fllaka 500 1215 OND
HungarianEurope 1901-1958 1234567 Fllaka 500 1458 OND
Polish Europe 2030-2127 1234567 Fllaka 500 1458 004deg
Serbian Balkan 2101-2158 1234567 Fllaka 500 1215 OND
Czech Europe 2130-2227 1234567 Fllaka 500 1458 338deg

Fllaka Albania Transmitting Radiostation: G.C.: 41 22 11 N 19 30 17 E (41.36972) (19.50472)
2 x Tx / 500 kW Chinese MW transmitters on:1215 / 1395 / 1458 kHz. Tx No.1 since 1966, Tx
No.2 since 1970. (via *WWDXC*).

Bulgaria

Bulgaria's telecom regulator Thursday said it is ready to invite a sealed bid tender for one individual digital radio permit based on the Digital Radio Mondiale (DRM) platform. The 10-year permit will cover the city of Sofia and the Sofia region as well as Western Europe and the U.S. The regulator said the companies interested in the permit include BTC, Space Line OOD and the Bulgarian National Radio (BNR).. The tender is provisionally scheduled for June 26. (*Dnevnik*)

Cyprus

TCI (antenna supplier) reports that recent off-air times of BBC 1323 at Zyggi (Cyprus) have been due to construction activities for new HF antennas. MF array creates large currents making crane operation unsafe, so has been off air during daytime and possibly other hours irregularly recently. Announcements on air of this situation may not have been monitored by DX'ers. Benjamin Dawson, In attendance at NAB Convention Las Vegas April 18, DXLD 7-048 (22/4-2007)

Easter Island

On my just-completed visit to Easter Island, I reviewed the local radio scene very closely and both visited and interviewed the management of the only staffed radio broadcasting station remaining on the island, 88.9 R.Manukena FM. The current listing in WRTH and in broadcasting industry sources is very badly out of date. The only staffed radio broadcasting station operating on Ilas de Pascua, Chile (Easter Island) is 88.9 R.Manukena FM, a community-based, volunteer-staffed broadcaster owned by the municipal government of Hangaroa, the only settlement on Easter Island. 580 R.Manukena was established as an AM-only station in 1967 initially staffed by volunteers from the Chilean Air Force. At some point, a simultaneous broadcast was established on FM.

In the 1990s, R.Manukena was acquired by the municipal government of Hangaroa and has been operated on a 24-hour basis as a community radio station ever since. The medium wave transmitter on 580 kHz was turned off in 2006, due to the lack of audience for the AM service and to the high cost of electricity on this very isolated island. The FM transmitter covers the entire island well from the combined studio and transmitter building housed in the municipal complex in downtown Hangaroa, and no return to medium waves is anticipated. The only other radio broadcasting presence on Easter Island is a totally automated, satellite-fed simulcast transmitter for R.Activa www.radioactiva.cl out of Santiago. It operates on 104.3 FM. [*John Bryant*]

Finland

Return to air of the 963 transmitter at Pori tonight until 2100 with some special coverage from RNW, // 1314 and 702: It was almost inaudible here in eastern Germany. All I could make out was a faint whisper behind a mess of Tunis and Bulgaria, not even sufficient to tell for sure that this was the same program audio than on 1314 etc., but I meanwhile got it confirmed that Pori was indeed on air. Can't remember it ever coming in so poor in the YLE days. I think Pori may be on a different beam compared to the one that was used by YLE. My colleague from Programme Distribution mentioned that we had a choice of two antennas - I will check and report back on the list. If anything, Pori is stronger here than it used to be. (*Andy Sennitt-HOL, RNW*)

Germany

Evangeliums-Rundfunk, the German partner of Trans World Radio, will abandon the transmitters of Monte-Carlo Radiodiffusion in autumn of this year. The morning transmission on 1467 kHz will cease by the end of September, the shortwave transmissions by the end of October (presumably Oct 28) (*Ydun's Medium Wave Info*) This is no surprise, ERF announced already a while ago that this would happen one day. In fact some people here at Elsterwerda are indeed regular ERF listeners, and they put pressure on the operator of our cable net (a local company, no Kabel Deutschland here) to offer ERF as well. One of the engineers of this local company was just stunned when I told him about ERF's big 700 kW mediumwave transmitter at Mainflingen. He had never heard of 1539 before, and he is indeed interested in radio. So who should listen to additional, scattered shortwave transmissions anymore? The only other TWR transmission via MCR's shortwave transmitter besides the ERF programs is English in the morning on 9800. One has to wonder if this single transmission will continue when 6230/7160 are gone? *Kai Ludwig via mwc (28/3-2007)*

Yesterday I also did a park DXpedition, in this case after work at Leipzig. Actually it was just a little bit of listening to the radio, but it turned out to be nice graveyard channel DX on 1485: Here I got between 1530 and 1600 the 300 watts transmitter at Hohenfels, more than 200 km away, almost as loud as the // 10 kW at Grafenwöhr on 1107. Only obvious interference was the DRM from Berlin, the other AM transmitters on 1485 were completely inaudible, not even SAH could be noted. Until 1600 local programming from AFN Bavaria was on air, so it could not have been any other AFN transmitter than Hohenfels (the other 1485 transmitter of **AFN Bavaria** at Augsburg is reportedly no longer on air). Hohenfels has a somewhat muffled modulation, Grafenwöhr on 1107 is better but probably limited to 5 kHz audio response as well, at least it did not sound particularly good. Both transmitters were in synch as much as one can tell with one radio. The programming was a standard AC format, no particular "Jack FM" as AFN claimed when introducing their "The Eagle" branding.

Just a few days ago, on March 27 or 28, AFN Bavaria shut down the 107.4 transmitter at Fürth, so AFN is no longer on air in the Nürnberg area after the studios of AFN Bavaria were moved from Nürnberg to Vilseck already in 1994. Time and again the stereo pilot of this transmitter had been switched on and off again, but the audio remained always a mono feed; probably it already leaves the studio in mono only because it's primarily a MWe program. Immediately after switching off Fürth a new FM transmitter went on air at Ansbach on 107.3, reportedly carrying the same **AFN Würzburg** (now "**AFN Franconia**") program than the co-located 1485 transmitter and the other AFN Würzburg MW outlets on 1143. It remains to be seen if either this duplication will last or 107.3 eventually carry another program (like Würzburg's "alternate service"). *Kai Ludwig via dxld*

Saarlandischer Rundfunk issued an invitation of tenders for new 1422 transmitters. See <http://www.sr-online.de/dersr/2251/621408.html> and in the LV Mittelwellensender.pdf file.

Summary: The current 1422 transmitters were installed in the early 70s, the facility has been designed for a maximum carrier power of 1200 kW. Since the late 80s this equipment is used in DAM mode in passive reserve configuration with a maximum carrier power of 600kW. A separate back-up facility exists as well, consisting of a 100 kW PDM transmitter and an aux antenna.

During daytime the aux antenna is now in use for another program on 1179, using a 10kW transmitter.

To be installed is new 400 kW transmission equipment, consisting of two DRM-ready transmitters of 200 kW each in an active reserve configuration. The antenna facilities are to be kept as they are, with an option to make it possible to switch the 100 kW transmitter to the main antenna (two masts, 120 metres tall) as well. The new transmitters are to be switchable to the aux antenna, too, with automatically reducing the output to the maximum power the 60 Ohms coax cable to this antenna can handle (about 100 kW), but not when the 1179 transmitter is on air (1179 has priority over 1422 back-up for this antenna). The existing EMT limiter/compressor is to be replaced by "an audio processor (OPTIMOD)" [I don't think that they intentionally specify Orban products here], the other audio equipment is to be kept and wired to the new transmitter facility accordingly.

The new facility has to be installed without disrupting the service. Inavoidable breaks have to be agreed and are restricted to a window between midnight and 5 AM. First the existing transmitter #2 has to be removed to make room for the new facility, with ensuring that the 100 kW transmitter can always be used as back-up. It is possible to reuse the transformer cell of old transmitter #2 for parts of the new facility (power supply, fans).

So the output on 1422 will be limited to 400 kW with the new transmitters. Probably this is already the case with 1539 at Mainflingen, reportedly the new facility there is rated at 400 kW, too (old transmitters were 2 x 350 kW = 700 kW output).

Perhaps "passive reserve" and "active reserve" are unknown terms outside Germany: The first one designates a back-up concept with a separate stand-by transmitter, usually not on air (hence passive). "Active reserve" means that there are no idle transmitters, any two transmitters set-up (or any complete unit consisting of a "married" transmitter pair) is the classical example of active reserve: If one transmitter fails the other one will stay on air, just the power will be reduced by half. Btw, a typical concept for FM is passive reserve in n+1 configuration: n are as much transmitters as frequencies are on air from the particular facility, added is another transmitter which in cases of a transmitter failure will be tuned up on the affected frequency and fired up with the belonging modulation. *Kai Ludwig, Germany via DXLD yg (19/4-2007)*

Greece

Rumen Pankov in Bulgaria noted Greek Radio on 792 kHz mediumwave channel again. But seemingly from another site than [former IBB] Kavalla resort. W.Bueschel via dxld A big surprise on 31 March during the night here. Kavala site on MW 792 was back in use. A 4th state program was heard // 981 kHz at 2344-0000 UT. Different programs were on MW 729, on 9420, on MW 666, on 1008 // 1494 //1512, on MW 1179, on MW 1044, on 7475 etc. At 0000 UT, April 1st already, common news bulletin in Greek on MWs 729 // 792 // 981 // 1008 // 1494 and others. Checked on April 1st at 1200 UT - there was a program in Greek, but 981 kHz was not heard (noon time around here).(*Rumen Pankov-BUL, wwdxc BC-DX April 2*)

Kuwait

The Broadcasting Board of Governors/International Broadcasting Bureau's Office of Contracts intends to negotiate and award a non- competitive contract to Harris Corporation, Broadcast Communications Division, to re-commission and change the frequency of the Harris DX600 transmitter that IBB has relocated from Rhodes, Greece to Kuwait. Harris Corporation originally delivered and installed the same transmitter at Rhodes in 1995, and also provided three essentially identical (two were larger) transmitters at other IBB sites. The transmitter at Rhodes used to operate on 1260 kHz, but was taken out of service last year. In Kuwait, it will operate on 1386 kHz. (*BBG/IBB via FBO via Andy, Media Network blog via DXLD via Mediumwave Info*)

IBB Kuwait MW facilities

The IBB's Kuwait Transmitting Station is located on a site of approximately 2,223 acres in Umm Al-Rimam on the road to Abdaly, which is about 50 kilometers by road from Kuwait City center. The approximate coordinates of the site are 29 degrees, 30 minutes, 42 seconds North Latitude and 47 degrees, 40 minutes, 34 seconds East Longitude. The site is a square with 3 km sides. Currently there is a main operations compound near the center of the site, four shortwave antennas a short distance from the operations area, a medium wave facility with antenna system at the northwest corner of the site, and a medium wave antenna system at the southeast corner of the site.

The antenna system will consist of a three-tower array designed for use on 1386 kHz. (FBO document #1945 March 25, Apr 17)

Old 150 kW Continental tx unit from former RL Holzkirchen site, now broadcasting on 1593 kHz via 2-mast array in direction of 350 degr, Radio Free Iraq in Arabic to Iraq.

SAWA Arabic youth radio 1548 kHz in direction of 323 degr (and other directions too), 600/300 kW. Pattern degrees (*Wolfgang Büschel, Germany, Apr 17*)

Monaco

Evangeliums-Rundfunk, the German partner of Trans World Radio, will abandon the transmitters of Monte-Carlo Radiodiffusion in autumn of this year. The morning transmission on 1467 kHz will cease by the end of September, the shortwave transmissions by the end of October (presumably Oct 28) (*Ydun's Medium Wave Info*)

Netherlands (via Lithuania?)

Mighty KBC new broadcast times and frequencies. Starting from March 31 the program will be transmitted as follows: On AM 1386 kHz - at 23.00-24.00 CET (Saturday, March 31) [2100-2200 UTC] On SW 6255 kHz - at 00.00-00.59 CET (Sunday, April 1) [2200-2259 UTC] The Mighty KBC, Argonstraat 6, 6718 WT Ede, Holland, Tel ++31 318 552491 Fax ++31 318 437801 info@k-po.com www.kbcradio.eu Eric van Willegen (via *Ydun's Medium Wave Info* 29/3-2007)

Russia

As of Mar 22, the transmitters of the St.-Petersburg Regional center of the Russian television and broadcasting network (RTRS) is broadcasting on MW as follows:

Radiocenter 1 (St.-Petersburg / settlement Olgino) covering St.-Petersburg and a nearby part of Leningrad region. Reception is possible also on a greater part of Leningrad region: 198 LW, Majak (Beacon), 873 MW, R Rossii, 1125 MW, R Orfej.

Relay center 3 (St.-Petersburg). Covers St.-Petersburg and a nearby parts of Leningrad region: 1053 MW, R Maria, 1188 MW, DW / RFI (France), 1260 MW, BBC, 1440 MW, R the Star. Radiocenter 11 located at a settlement in the Red Pine forest of area Tosnenskogo in the Leningrad region: Covers St.-Petersburg and most parts of Leningrad region on 549 MW, R Majak (Beacon) and 1089 MW R Teos. [Location Krasnyy Bor, at Tosnenskogo rayona, - Popovka is the name of the nearby railway station. wb]

Its Foreign Service relays also covers St.-Petersburg, a southwest part of Leningrad region, the Baltics and northern Europe on 1494 MW, and the CIS countries, the Europe, northwest Africa, the Near East and Latin America on SW. Their schedule of the broadcasting to foreign countries for the Season Summer 2007 (?07) as of Mar 25, 2007:

To the Baltics and northern Europe on 1494 MW at 1500-1700 Russian International R in Russian, 1700-1730 Voice of Russia (VOR) in Finnish Mo-Fr, English Sa/Su, 1730-1800 Swedish o/We/Fr, Norwegian Tu/Th, English Sa/Su, 1800-1900 VOR Russian service " Commonwealth " and // 5900 at 0100-0300 VOR Russian till Jul 31. (*Bochkov, Mar 22; dswci DXW Apr 3 via WWDXC*)

THE HOME FRONT

[British & Irish News]
with John Williams

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Ofcom News

Switch off for AM stations?

17 April, 2007

Ofcom is set to loosen up the regulation of small radio stations and will be considering the switch-off date for AM in two years' time. The regulator will give radio groups greater freedom in what they broadcast and the number of stations they are allowed to own.

The Ofcom chief executive, Ed Richards, said the changes would allow traditional analogue broadcasters to compete with digital radio and online listening. By 2017, it is forecast that 90% of all radio listening will be via digital platforms.



To prepare for analogue switch-off, Ofcom is proposing that existing radio licences be extended for an indefinite period, subject to two years' notice of termination. This would mean radio broadcasters - whose licences currently expire at various dates between 2009 and 2027 - could have their analogue signal switched off simultaneously. This would mean the end of National stations such as Virgin Radio and Talksport on the AM band.

Ofcom said the AM and FM spectrums could be "better used for other services such as mobile television, more digital radio, more community radio services or other new technologies". The proposals are included in an Ofcom consultation on the future of radio regulation and licensing, published today, and follows a discussion document published last November. The closing date for responses to the consultation is June 29.

The regulator's research revealed that smaller analogue stations with a potential audience of fewer than 100,000 people made an average loss of £14,000 a year. (*Various sources*)

Update on above reports

23 April,

2007; "AM radio could end in two years" headline if the journalist had read Ofcom's proposals on AM carefully, where AM licensing is to be reviewed in 2009 not closed on that date, they would have also noted this paragraph:

"It is important to note however that while AM listening as a whole is declining there are still some AM services which attract significant audiences such as Talksport, BBC Radio Five Live, local commercial and BBC stations serving the Asian community and some mainstream local commercial stations, particularly in Scotland. As these stations are not available on FM (although many are available on DAB and other digital platforms) it would seem inappropriate to require such services to cease their AM transmissions until digital listening has increased further." (*Mike Barraclough, April 19, DX Listening Digest*)

Pirate broadcasts

19 April, 2007

UK communications regulator Ofcom today published detailed research into illegal broadcasting – or so-called pirate radio – in the UK. The report examines levels of listening to illegal stations in Greater London, in particular the boroughs of Hackney, Haringey and Lambeth. The report also measures consumer awareness of interference to safety-of-life services and licensed broadcasters caused by illegal broadcasting.

The research found that 30% of all UK radio listeners say they have experienced some form of interference to their service. Of those, 14% believe the interference was caused by illegal

broadcasters. In London, these figures rise to 40% and 27% respectively. Almost two-thirds (64%) of all UK radio listeners turn off their radios or switch to a different station when they encounter interference. Some 2% of listeners who experience radio interference say they complain about it. This figure increases to 8% when listeners believe the interference is caused by illegal broadcasters.

However, the report also shows that some illegal stations attract a substantial audience, with 16% of adults in Greater London regularly listening to them. Ofcom's research shows that 25% of adults in Hackney, Haringey and Lambeth regularly tune in. Some 62% of listeners in these boroughs say that illegal broadcasters offer something different from licensed commercial radio and 40% say that illegal radio is community focused.

(http://www.ofcom.org.uk/media/news/2007/04/nr_20070419)

BBC News

BBC Radio Gloucestershire is celebrating record listener figures 5 April, 2007

The number of listeners to BBC Radio Gloucestershire 1413 kHz (and FM) has rocketed by 48 per cent in the past two years. The station is now listened to by 92,000 people each week, with each listener tuning in for an average of 12.9 hours a week.

Mr Loughrey, who has overall responsibility for all regional and local services in England, said he thought the increase in listener figures was down to a number of factors. "I think we are putting out information at the right times of the day covering news, lifestyle, weather and travel and it is on at very regular intervals," he said. (www.gloucestercitizen.co.uk)



Commercial Radio News

Fresh Radio purchased by Laser 27 March, 2007

Laser Broadcasting Ltd has announced today that it has agreed to purchase 100% of Fresh Radio, the popular North Yorkshire commercial radio station. Fresh Radio is currently completing its move to FM and its board have accepted a six figure offer which will bring Laser's investment in the local radio industry to £3.5 million over the last 12 months. The agreement has been reached with the unanimous support of the Fresh Radio board of directors, while the offer will now be put before their shareholders for final approval. Laser Broadcasting is also taking management control of Fresh with immediate effect.

The award-winning station was named "Yorkshire & The North East Radio Station Of The Year" in the Radio Academy's 'Nations and Regions Award' for 2006. It's the second time Fresh has won the award - having already had the accolade back in 2004.

This latest acquisition by Laser brings the total number of stations in the Laser stable to 6 including its recent award of the new licence for Herefordshire and Monmouthshire licence, which it aims to launch in October this year. Laser Broadcasting also owns Sunshine 855 in Ludlow, and five FM stations. Nigel Reeve, Chief Executive of Laser Broadcasting, said: "We are delighted to have made the acquisition of such an excellent radio station that is just completing its move to FM."

Separately I telephoned the station to ascertain when they are due to terminate broadcasting on 1413 and 1431 kHz. They say that it will be "at least a couple of months" as they have not finalised the location of an FM transmitter in the Skipton area.

Shake-up of LBC 7 April, 2007

LBC faces a shake up at their flagship station in London. Sky News Radio on 1152 AM, is replacing LBC News 1152. And LBC 97.3 is changing what the initials stand for, from the historic London Broadcasting Company to London's Biggest Conversation.

The station broadcasts around 3,000 hours of user-generated content a year and LBC's findings reveal this on-going conversation results in very close relationships between listener and station, with 18% describing it as a partner and 14% as a mother, while 90% said they discussed what they'd heard on LBC.

The station receives, on average, around 140,000 calls a month and more than 50,000 SMS messages. The LBC web site also counts a quarter of a million unique users. LBC's Managing Director, David Lloyd, said: "LBC is the home of entertaining conversation and this repositioning reflects the relationship our growing audience enjoys with LBC's presenters and programming. Primarily, LBC is a meeting point for Londoners, a place to engage in conversation, life in the Capital and create captivating new content on air."



The repositioning of LBC 97.3 FM follows news that rolling-news station LBC News 1152 AM is to be rebranded Sky News Radio for London, as part of a joint venture with BSkyB to launch a 24-hour digital news radio service, Sky Radio News. The initiative is part of the consortium bid headed by Channel 4 for the soon to be awarded second national digital multiplex. (RadioToday.co.uk)

SMG to float Virgin Radio

12 April, 2007

Virgin Radio is set for a float on the stock market leaving its owner SMG to focus on its TV and programme-making businesses. The Glasgow-based broadcaster's newly arrived management team hopes an initial public offering for the rock music station will raise money to slash debt and help fund a turnaround.

New chief executive Rob Woodward, a former commercial director of broadcaster Channel 4, said Virgin Radio benefited from a widely known brand, a recently revamped website and a strong management team.

The plan to spin off Virgin follows Emap's announcement that it wants to sell its radio stations in Ireland and Heart owner Chrysalis's admission in February that it could dispose of its radio division. Commercial radio stations in the UK have been hit by a weak overall advertising market and a move by companies to spend more on online promotion.

Today's 2006 results from SMG revealed Virgin Radio's turnover slipped 3% and operating profit slumped 53% to £2.3m from £4.9m, partly due to a major investment drive. Still, Mr Woodward said it was a good time to list Virgin and that it should not be lumped together with rival stations up for sale.

The float plans were announced alongside SMG's first set of results since the new leadership team was parachuted in after a tumultuous year of stop-start merger talks with rival UTV, a dire profits warning and a management vacuum. (www.mediaguardian.co.uk)

Virgin Radio float could lure Branson

13 April, 2007

Sir Richard Branson emerged yesterday as the most likely buyer for Virgin Radio after its owner, SMG, the Scottish media group, announced plans to float the £105 million station. Analysts said that Virgin Radio could return to the Virgin Group, which founded the station 14 years ago, after the SMG announcement effectively triggered an auction.

The station, whose disc jockeys include the former pop star Suggs and the breakfast show host Christian O'Connell, was bought by SMG from Chris Evans, the former breakfast disc jockey, in 2000. The move to hive off Virgin Radio was one of several strategies unveiled yesterday by Rob Woodward, SMG's new chief executive, to try to turn around the troubled television, radio and advertising group.

SMG said that Virgin Radio, which has 2.5 million listeners in the competitive morning slot, had continued to outperform the commercial radio market at a time when the industry is facing poor advertising sales. Mr Woodward said: “Virgin Radio is well run and an iconic brand.”

Virgin Group is thought the likeliest bidder because a brand rights ownership clause created when it sold Virgin Radio to Evans in 1997 for £85 million would make it hard for rivals to bid. Mr Richards said: “We expect Virgin Group or Virgin Media to bid for it as it makes sense strategically. The station would be a good brand fit because of its 25 to 44-year-old male target audience.” (www.mediaguardian.co.uk)

GCap takes reins at Classic Gold

25 April, 2007

GCap Media has taken full control of the 18 Classic Gold AM radio stations by buying out UBC Media, its partner in the joint venture that operates the services, for £3.95m. The Capital Radio owner said it planned to merge the Classic Gold services with its existing Capital Gold stations to create a single classic hits network. The deal also includes a number of Classic Gold digital radio licences.

Classic Gold's network is operated by Classic Gold Digital, a joint venture in which UBC Media has an 80% stake, with GCap owning the remaining 20%. UBC Media will receive £3.95m in cash for its Classic Gold Digital stake, with today's deal valuing the Classic Gold stations at £4.94m in total. GCap Media already sells all the airtime on the Classic Gold stations and provides back office support including studio space, technology and inventory control.



The company forecasts that merging the Classic Gold and Capital Gold networks will provide saving of £800,000 this year. Classic Gold Digital acquired the Classic Gold licences from GCap Media in two separate transactions in 2000 and 2002.

The total price of the two acquisitions, £4.3m, was paid by Classic Gold Digital partly in UBC shares and partly in cash and cash equivalent. UBC Media said it expected to show a profit on the Classic Gold sale of £2.5m in the current financial year.

The deal is subject to Ofcom approval. (www.mediaguardian.co.uk)

RSL & LPAM News

These football clubs will be broadcasting their last home games of the season as follows:

Football Club	Station	May fixtures
Blackburn	Radio Rovers 1404 kHz	13 Reading
Manchester Utd	Manchester Utd Radio 1413kHz	13 West Ham

Radio Donington 1602 kHz was heard broadcasting from their racing circuit over the Easter holiday. The Ofcom web site last listed this station in 2003 and currently lists NO sporting stations broadcasting!

LONG WAVE RADIO

IOMB issue statement

15 March, 2007

There has been no update (as at 26 April) on the stations' web site since the announcement “IOMB is currently actively engaged in formulating a revised strategy to secure the future of this radio station.” (<http://www.iomib.com/>)

IRELAND

Broadcasting Commission of Ireland announce national religious AM station

The BCI have awarded the new Christian and religious sound broadcasting service on the AM band to Spirit Radio Ltd. Spirit and Yes Radio, who were chosen from five original applicants, both made presentations to the BCI at an oral hearing last month.

The licence has been awarded in principle following the BCI's board meeting earlier today and is subject to the successful outcome of contract negotiations which are expected to be completed in the coming months.

Spirit Radio's submission said it would pioneer a new model of funding here, raising 70% of its funding from listeners. It has already raised €2.5m, half of it in donations, half in long-term interest free loans.

The station will broadcast on 612 kHz from a site 10km SW of Athlone with 100kW. The next stage (year 3 onwards) 549 kHz 25kW from Lifford and 675 kHz 25kW from Macroom Co Cork.



The station will also have FM transmitters in the Republic's five largest cities when it hopes to begin broadcasting in September 2008. The station will be based in Athlone, and will employ 18 full-time staff, with 24 jobs in total. *(Radiowaves via Steve Whitt)*

EUROLOG

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with John Williams

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kHz	Station, location; details heard etc	SIO	UTC	Date	Who
198	BBC Radio 4 Droitwich; Visit to Bourneville Factory	333	1123	3/4	nh
531	R. Musigwälle; folk music	444	1906	26/ 03	FW
531	RNE 5 various; ID, news	222	0200	26/ 03	FW
531	Truck Radio Burg; Info, Country music	222	0202	26/ 03	FW
540	Onda Cero Radio Barcelona; talk	333	1908	26/ 03	FW
549	DLF Nordkirchen; Jazzmusic	555	1913	26/ 03	FW
558	RNE 5 TN, A Coruna; ID "RNE y Galicia" reg prog	344	0557	2/04	VL
558	RNE 5 TN, San Sebastian; ID "RNE y Pais basco" reg prog // 639 kHz RNE 1 Pais Basco	455	1143	14/04	VL
558	R. Svizzera Mt. Cernie; Pop music	333	1910	26/ 03	FW
567	RNE 5TN, Murcia; ID "RNE y Murcia" reg prog	455	0551	20/04	VL
567	RAI Uno various; Information	322	1915	26/ 03	FW
576	RNE 5TN, Barcelona; ID "RNE y Catalunya"	455	0558	20/04	VL
576	Christo Botev; music program	222	1920	26/ 03	FW
576	SWR Contra Mühlacke; report	333	1918	26/03	FW
585	RNE 1 Madrid ; (tentative) OM SS	344	1010	19/4	NH
585	RNE 1, Madrid; " RNE Trafico en la capital" reg prog	355	1155	4/04	VL
585	RNE 1 Madrid; news	333	2303	26/03	FW
612	RNE 1 various; talk	222	1945	28/03	FW
612	BH Radio 1; music	222	1940	28/03	FW
621	RNE 1, Jaen; ID "RNE y Andalucia" reg prog	344	0545	3/04	VL
621	RNE 1 , Palma de Mallorca; ID "RNE y Balears" reg prog	344	0545	3/04	VL
621	RNE 1 various; ID, news	333	0200	28/03	FW

kHz	Station, location; details heard etc	SIO	UTC	Date	Who
630	Radio Timisioara; music program	222	1938	28/03	FW
639	RNE 1, Bilbo Bilbao; ID"RNE Pais Basco" reg prog	455	1146	4/04	VL
639	RNE 1 various; ID, news	333	0000	29/03	FW
639	CR 2/6, s/on; ID, news	444	0200	29/03	FW
648	BBC World Service Orfordness; Discussion on Chinese culture	454	1129	3/4	nh
657	RNE 5 TN, Madrid; ID "RNE Todas Noticias" news	455	2115	24/03	VL
675	Arrow Rock Radio; Oldies	444	1750	28/03	FW
693	RNE 1, Boal; // 729 khz ID "Asturias"	233	1132	4/04	VL
702	RMC Info; La cole de madona, talk	433	1950	28/03	FW
729	RNE 1, Oviedo; ID "RNE Asturias" reg prog	455	1130	4/04	VL
729	RNE 1 various; talk OM/YL	333	0215	30/03	FW
729	BBC R. Essex; ID, news	222	2300	29/03	FW
729	NET 1, Athinai; Greek ID, news	222	0200	30/03	FW
729	BR 1 Hof/Würzbrug; German music	322	2255	31/12	FW
756	Radio Euskadi, Bilbo Bilbao; – ID "Radio Euskadi" news	355	1200	4/04	VL
765	Option Musique Sottens; ID Traffic news	555	1010	10/4	nh
774	RNE 1 various; ID, news	433	0200	01/04	FW
774	Radio Varna; Bulgarian folk music	211	2314	31/03	FW
774	BBC R. 4, various; news	211	0203	01/04	FW
774	BBC R. Leeds; news, Px Five Live	211	0204	01/04	FW
801	RNE 1, Burgos; ID "Castilla y Leon" reg prog	233	1138	4/04	VL
819	RAI Uno Triest; ID, news	333	2300	30/12	FW
828	NDR Info Spezial Hanover; (tentative) GG YL news	454	1135	3/4	nh
837	France Info Nancy; telephone report	322	0708	03/04	FW
846	RAI, Radiouno, Rome (?); ID "Radiouno" news	455	2100	30/03	VL
900	Radio Popular, Bilbo Bilbao; ID "Radio Popular, la radio sin cadenas"	555	1954	06/04	VL
900	RAI Radiouno International Milan; II YL	555	1014	10/4	nh
909	Radio Five Live; tx? talk about football	444	0155	07/04	FW
909	Radio Cluj; ID, news and music	222	23.00	06/04	FW
936	RAI Uno various; ID, news	333	2300	04/04	FW
936	RNE 5 various; ID, news	211	0200	06/04	FW
938	Bremen 1; German ID, news	444	0200	05/04	FW
990	Deutschlandradio Kultur Bwerlin Britz; (tentative) GG OM	444	2021	23/3	NH
999	COPE Madrid; SS OM YL	544	2005	23/3	NH
1008	Radio 10 Gold Flevoland; Beach Boys record	444	2018	23/3	NH
1008	SER Tx?; SS YL in null	444	2021	23/3	NH
1017	RNE5 TN, Burgos; ID "RNE...Castilla y Leon" Regional news	555	0645	19/03	VL
1017	SWR Contra Wolfsheim; weather report	444	0000	07/04	FW
1017	RNE 5 Grenada/Burgos; ID, news	333	0200	08/04	FW
1062	Beograd 1; news	333	0206	09/04	FW
1062	Country Radio Zbarslav; Czech Country music	333	0200	09/04	FW
1062	DR 3 / 4 Kalundborg; Report about Venezuela	444	2046	08/04	FW
1116	BBC R. Guernsey; Px Five Live	333	2350	09/04	FW
1116	SER R. Pontevedra; ID "R. Pontevedra", local news, adv.	333	2257	10/04	FW
1116	RAI Uno various txs; Football report	333	2045	10/04	FW
1116	BBC Radio Derby; news	222	0203	11/04	FW
1116	Valley Radio; Music, adv., Infos and ID	333	0155	11/04	FW
1143	AFN Würzburg Primary; music // 1107	222	1819	12/04	FW
1143	AFN Power Network, Stuttgart; talk // 873 kHz	444	1816	12/04	FW
1170	Radio Capodistria, Beli Kriz.; ID "Radio Capodistria" Italian prog	555	0606	25/03	VL
1170	Capital Gold, Portsmouth; ID "Capital Gold" // 1548 kHz	233	0800	31/03	VL

kHz	Station, location; details heard etc	SIO	UTC	Date	Who
1260	SER Radio Murcia, Murcia; ID"Region de Murcia..." reg prog	344	0650	31/03	VL
1260	SER Radio Algeciras, Algeciras; ID "Cadena SER Andalucia" reg prog	455	0654	31/03	VL
1260	Classic Gold 1260, Bristol; Oldies, ID, News	222	2259	14/04	FW
1260	SER R. Murcia; local Infos	211	2257	13/04	FW
1287	SER Radiotilla, Burgos; ID"Radio Castilla de Burgos...." Spanish	555	0621	31/03	VL
1287	SER R. Castilla, Borgus (Madrid); talk OM/YL	333	2255	16/04	FW
1314	RAI Uno Matera; news	322	2305	18/04	FW
1314	RNE 5 various; ID, news	333	2300	18/04	FW
1350	Kingstown Radio, Hull; nx, jingles/ID, "13-50 AM Kingstown Radio East Yorkshire"; xf LS6!	Fpks	0703	19/4	mah
1359	RNE 1 Arganda del Rey (Madrid); ID, news	433	2300	19/04	FW
1359	Classic Gold 1359 Shilton; Adv., Info, ID, news	333	0200	20/04	FW
1368	Manx Radio, Foxdale; ID "Manx Radio" music	444	2100	24/03	VL
1404	France Bleu, Ajaccio; ID //1494 KHz	344	2002	14/04	VL
1404	ERA 2 (tent); music program Greek)	322	1803	20/04	FW
1404	France Info various; talk OM/YL	222	1800	20/04	FW
1404	France Blue, Ajaccio; French music	322	2303	20/04	FW
1485	SER Radio Santander; telephone report	333	2257	21/04	FW
1494	France Info, Multi QTH; ID "France Info" news	344	1955	14/04	VL
1494	France Bleu, Bastia; ID "Vivre en bleu avec France Bleu"	455	1959	14/04	VL
1503	RNE 5 TN, La Linea; "RNE y Andalucia" reg prog	344	0545	5/04	VL
1503	RNE 5 TN, Monforte de Lemos,; ID "RNE y Galicia" reg prog	344	0545	5/04	VL
1566	County Sound Radio, Guilford; ID" County Sound Radio" Music	355	0639	31/03	VL
1575	RAI Radiouno Genova; //900	222	1024	10/4	nh
1584	Radio Olé, Ceuta; Radiole 1584 onda media	355	0626	07/04	VL
1584	RAI Radiouno, Terni; ID // 1575 KHz	222	2040	10/04	VL
1584	RMC Info, Multi QTH; ID //216 KHz football night	344	1943	14/04	VL
1584	Radio TAY; Pop music (Hits from the charts)	322	0215	24/ 04	FW
1584	BBC R. Nottingham; ID "BBC R. Nottingham", news	322	2300	23/ 04	FW
1584	RMC Info various txs; talk and Infos	333	1726	23/ 04	FW
1602	Radio Vitoria, Vitoria; ID "Radio Vitoria"	455	1604	10/04	VL
1602	Radio Orient, Nimes; ID "Radio Orient" // 1350 kHz	233	1608	10/04	VL

Many thanks to:

- FW Friedhelm Wittlieb, Grundig Satellite 700, Martens-Fram Dortmund Germany
- JW John Williams Hemel Hempstead AOR 7030 +40m long wire
- mah Martin Hall, Clashmore, Sutherland. NRD-545, RPA-1 preamp, beverages: 513m at 240°, unterminated; 475m at 265°, terminated; 506m at 290°, terminated, 550m at 340°, terminated; TotalRecorder, Technics RS-BX404 cassette deck as backup.
- NH Norman Hixson, Poole. Palstar R 30CC and 1m Hexagonal loop
- nh Norman Hixson Jonzier Epagny Haute Savoie; Lowe HF 150 with 16m long wire
- VL Vincent Lecler, Poitiers, France – RX: TS850 / Ant: EWE + BOG + LW

Many thanks to member Harry Richards for recent news cutting sent.

The **deadline** for the next issue is 24 June, 2007 73's John

DX LOGGINGS

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

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
531		RTA, Ain El Beida, Algeria; Arabic, ID, news	444	2300	25/3	FW
555	ZIZ	Basseterre, St Kitts; lively party music, anns, ID "ZIZ Radio 95.9 FM"	F	0436	21/4	mah
585		BSKSA General Programme, Riyadh, Saudi Arabia; Arabic, news	222	2300	26/3	FW
590	VOCM	St John's NL; VOCM news	W	2237	7/4	PC
600	CBNA	St Anthony NL; CBC News	W/F	2304	14/4	PC
610	ZYL268	Rádio Itatiaia, Belo Horizonte; "Itatiaia" ID sung twice (as per webcast) and mention of Minas Gerais Recording: http://paulc.mediumwaveradio.org/audio/610itat.mp3	W	0023	14/4	PC
610	CX4	Radio Rural, Montevideo; multiple mentions of Montevideo, and then formal announcement "...Republica Oriental del Uruguay, Montevideo ..."; tnx to Henrik Klemetz for identifying passages which corresponded to the station schedule and to Horacio Nigro, Montevideo for further information	W/F	0000	13/4	PC
620	CKCM	Grand Falls NL; VOCM // 710 kHz	W	2214	29/3	PC
620	CKCM	Grand Falls NL; VOCM satellite weather forecast, including "snow and blowing snow" with a high of zero	F	0634	31/3	AB
620	CKCM	Grand Falls NL; "Information Superstation - VOCM"; this was consistently better reception than other Newfoundland stations in April	G	2238	31/3	SW
620	CKCM	Grand Falls NL; VOCM nx	W/F	0030	2/4	BD
630		RTT Djedeida, Tunisia; Arabic, talk YL	333	1936	28/3	FW
640	CBN	St John's NL; CBC feature discussion // 1070 kHz	W	0119	6/4	BD
640	CBN	St John's NL; CBC Radio 1 announcement preceded by blues music.	F	0200	15/4	PC
640		RFO Point-à-Pitre, Guadeloupe; FF talk //France Inter 162; personal first	F	0750	15/3	PC
650	CKGA	Gander NL; country music, VOCM IDs	W/F	0248	15/4	PC
650	CKGA	Gander NL; VOCM nx	W/F	0030	22/4	BD
660	WFAN	New York NY; sports talk	W	0040	2/4	BD
660	WFAN	New York NY; "WFAN 20/20 Sport"	F/G	0225	22/4	PC
670	CMBA	R Rebelde, Arroyo Arenas; SS sports commentary // 5025 kHz	W	0045	2/4	BD
675		Radio Jamahiriya, Benghazi, Libya; Arabic, music and talk	211	1753	28/3	FW
680	HJZO	Radio Nacional de Colombia, Sabanagrande; SS talk with short operatic extracts. "Radio Nacional de Colombia" IDs	W/F	0758	10/3	PC
700	WLW	Cincinnati OH; ID "WLW"	333	0606	15/3	VL
700	CMGA	Radio Rebelde, Sancti Spiritus; YL with long winded studio talk "en Rebelde"	W	0455	31/3	BD
700	LV3	R Córdoba; announcement with "Radio Córdoba", "LV3" and "Cadena 3 Argentina" all mentioned	W	0418	15/4	PC
700	LV3	Radio Córdoba, Córdoba; "Cadena tres" ID, music box sound, "Radio Córdoba" ID & himno nacional	W	0259	20/4	BD
700	WLW	Cincinnati OH; "WLW" call in show	W	0355	20/4	BD

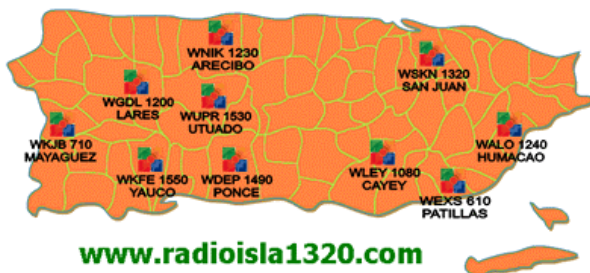
kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
700	ZYK686	Rádio Eldorado, São Paulo; PP sports commentary & "Eldorado" ID; (Noted on tape at 0500 15/4 with thanks to Henrik for IDing latter)	W	2218	14/4	BD
710	CKVO	Clarenville NL; VOXM // 620 kHz	W/F	2213	29/3	PC
710	CKVO	Clarenville NL; VOXM nx // 620 kHz	W	0132	6/4	BD
710	CM--	Radio Rebelde, 4 sites listed; YL with extensive political commentary "en Radio Rebelde"	W/F	0355	31/3	BD
710	CM--	R Rebelde, 4 sites listed; SS anns, "Rebelde" IDs	Fpks	0614	12/4	mah
729		UAE Radio, Sadiyat; Arabic, music and talk	211	0220	30/3	FW
740	CHCM	Marystown NL; VOXM programme	W	0228	27/3	PC
740	CHCM	Marystown NL; VOXM nx // 620 kHz	W	0141	6/4	BD
740	ZYH446	R Sociedade da Bahia; Salvador; full ID including callsign at toth	W/F	0100	27/3	PC
740.01	ZYH446	Rádio Sociedade da Bahia, Salvador; Voz do Brasil current affairs // 11780 kHz	W	2230	20/4	BD
750	CBGY	Bonavista NL; CBC current affairs px // 1070 kHz	W/F	0045	10/4	BD
760	LU6	R Atlántica, Mar del Plata; football commentary: River Plate ("el River") v Belgrano Cordoba. Just before 0000 ads mentioning Mar del Plata	F	2327	8/4	PC
760	ZYH788	R Uirapuru, Fortaleza; "...Rádio Uirapuru da Fortaleza AM".."	W/F	2307	8/4	PC
774		Middle East Radio, Abis, Egypt; Arabic, music and talk	222	0215	1/4	FW
780	CFDR	Halifax NS; country mx	W/F	0119	2/4	BD
790	WAXY	South Miami FL; "You're listening to Fox Sports Radio on WAXY South Miami, Sports Talk 7-90 The Ticket"	W/F	0700	10/4	mah
800	VOWR	St John's NL; ballads // webcast	W	0656	29/3	PC
800	VOWR	St John's NL; nostalgia mx	W	0126	2/4	BD
819		ERTU Batra, Egypt; Arabic, ID and news	444	0200	3/4	FW
820	CHAM	Hamilton ON; local ads, then "8-20 Cham, The Legend"	F	0443	22/4	PC
820		TBN, Charlestown, Nevis; US religious studio talk	W/F	0045	4/4	BD
820		TBN, Charlestown, Nevis; aggressive religious talk; at 0130 "This is the Trinity Broadcasting Network"; also F 0500 22/4	F	0043	9/4	PC
830.01	WCRN	Worcester MA; Red Sox baseball & "AM 8-30 WCRN" ID	W/F	0302	8/4	BD
830	WCRN	Worcester MA; Jerry Doyle Show, ID at toth "Here is True Talk - AM 8-30 WCRN"	F	0500	9/4	PC
830	YVLT	R Sensación, Caracas; SS TC, ID "Con las 2, y 20 minutos", "La Nueva Sensación 830 AM"	F/Gpks	0619	16/3	mah
830	YVLT	R Sensación, Caracas; SS ID "La Nueva Sensación 830 AM"	Fpks	0646	10/4	mah
850	WFTL	West Palm Beach FL; "WFTL" heard on noisy frequency	W	0230	29/3	PC
850	WEEI	Boston MA; ID "WEEI"	333	0600	16/3	VL
850	WEEI	Boston MA; self-promotion urging advertisers to take advantage of the "WEEI listeners (who) will spend well over \$72m this year on computer hardware and software"	F	0446	30/3	AB
850	WEEI	Boston MA; sports talk	W	0129	22/4	BD
850	YVRV	RV 850, Caracas (presumed); SS ID "Melodía, la 8-50 ...", light songs;	Fpk	0533	9/4	mah
860	ZYJ459	Rádio CBN, Rio de Janeiro; "Rádio CBN" ID with frequency info. Rec: http://paulc.mediumwaveradio.org/audio/860cbn.mp3	W	0111	14/4	PC
870	WWL	New Orleans LA; religious programmes with multiple WWL IDs close to toth	W/F	0500	16/4	PC

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
880	WCBS	New York NY; news with time check "WCBS Newstime 1247"	F	0447	30/3	AB
880	WCBS	New York, NY; "WCBS news time 3.05"	F	0705	8/4	PC
880	WCBS	New York NY; rolling nx	W	0142	22/4	BD
890	WAMG	Dedham MA; weak ID at toth. "The Home of ??? ... 8-90 WAMG Dedham, 14-hundred WLLH Lowell and Lawrence"	W	0400	18/4	PC
909		VoA Sebele Pikwe, Botswana; English, African music	211	0205	7/4	FW
920	CJCH	Halifax NS; Talk Star Radio talk, and sung CJCH after commercials	F	0455	30/3	AB
920	CJCH	Halifax NS; Broadcast News & "92 CJCH" ID	W	0300	4/4	BD
920	CJCH	Halifax NS; hockey play-off Halifax Mooseheads v Lewiston Maineiacs (sic)	W/F	2306	7/4	PC
930	CJYQ	St John's NL; folk music program, Radio Newfoundland ID	W/F	2330	26/3	PC
930	CJYQ	St John's NL; maritime folk mx	W/F	2336	30/3	BD
930	CJYQ	St Johns NL; local ads	F	2252	31/3	SW
950	CKNB	Campbellton NB; "95 CKNB" ID & pops	W/F	0148	22/4	BD
950	CHER	Sydney, NS; "Classic Hits – 9-50 Max"	W/F	0100	29/3	PC
950	CM--	R Reloj, 2 sites listed; rolling news in SS, "RR" morse ID, mentions of Cuba	W	0134	29/3	PC
950	CM--	Radio Reloj, 2 sites listed; YL with SS rolling nx & time pips	W	0147	22/4	BD
950	LR3	R Belgrano, Buenos Aires; "de(?) Buenos Aires, AM 9-50 Belgrano" preceded by EE ballad. Station name seems to have reverted to 'Belgrano' from 'La 950'	W/F	0401	25/3	PC
960	CM--	Radio Reloj, various sites listed; YL with SS rolling nx & time pips // 950 kHz	W/F	0151	22/4	BD
970	WZAN	Portland ME; WZAN programme promo, "9-70 WZAN Portland" ID & CNN News	W	0358	19/4	BD
970	WZAN	Portland ME; ads, "Count the days until the grill's fired up and we can be whole again – the station for men, 9-70 WZAN"	F/G	0545	19/4	mah
970	YV--	Mundial 9-70 Barcelona; "Mundial 9-70" ID, himno regional & himno nacional	W/F	0355	2/4	BD
990	CBY	Corner Brook NL; World Service (R Netherlands?) // 1400 kHz	F	0714	6/4	PC
1010	WINS	New York NY; "Money wise from 10-10 wins" ID & investment advice feature	F	0356	1/4	BD
1010	WINS	New York NY; YL "Wins newstime 11.58"	W	0458	11/4	JW
1010	CFRB	Toronto ON; YL news with "The Encore Editions Richard Syrett show continues on Newstalk 10-10 CFRB". This is a euphemism for 'repeat'!	F	0643	31/3	AB
1010	CFRB	Toronto ON; CFRB wx	F/G	0207	22/4	BD
1017		TRT 1, Istanbul, Turkey; Turkish, ID "Radio Bir", news	222	2300	7/4	FW
1020	KDKA	Pittsburgh PA; quiz, "our numbers again are 412 333 KDKA, *10-20 on your Verizon wireless, and toll free 1 877 855 KDKA"	F/G	0411	21/4	mah
1020	CM--	R Reloj, unknown location; SS nx, ID, ticks, pips, "RR" etc	Fpks	0410	20/4	mah
1030	LS10	R del Plata, Buenos Aires; "Radio Noticias del Plata"	Fpks	0630	10/4	mah
1030	WBZ	Boston MA; "WBZ" studio talk	W	0213	22/4	BD
1050	WEPN	New York NY; ESPN Radio	W	0704	29/3	PC
1050	CHUM	Toronto ON; Little Eva – Locomotion. I was able to check this track retrospectively on CHUM's site which lists all tracks played in previous 48 hours. (Pity all stations don't do this!!)	W	0226	21/4	PC

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1060	WBIX	Natick MA; very weak, sounded like "...WBIX listeners on WBIX..."	vW	0459	30/3	AB
1060	WBIX	Natick MA; "WBIX Natick Boston" ID & USA Radio Network News	W	0500	4/4	BD
1060	WBIX	Natick MA; poor ID noted in the mix "This is AM 10-60 WBIX"	Fpks	0430	17/4	mah
1060	WBIX	Natick MA; "This is New England Cable News on WBIX"	F	0056	21/4	PC
1060.01	KYW	Philadelphia PA ; hour tone, "From Independence Mall KYW ... 34 degrees on Independence Mall, 32 at the airport ..." & KYW News	W	0300	21/4	BD
1060	CMGW	R 26, Matanzas ; SS anns, mx, ID "Desde ... de Cuba, transmite Radio Veinte y seis"; tnx to Henrik Klemetz for checking the clip and confirming that this is the one; UK FIRST ; also Fpks 0514 13/4, vW 0700 22/4	W	0500	10/4	mah
1060	HIAJ	R Amanecer Internacional, San Francisco de Macoris; Henrik thinks that many of the recordings I've sent him from 1060 have been Amanecer, but so far none with an ID. This time around I heard it – "Radio Amanecer" ID	W	0552	9/4	AB
1060	XEEP	R. Educación, Distrito Federal; nice ID "Radio Educación, XEEP, mil sesenta AM".	G	0535	9/4	AB
1060.01	XEEP	Radio Educación, Mexico City; YL with "Radio Educación" ID & Euro-pops	W	0500	16/4	BD
1060	HJMG	Radio Litoral de Caracol, Turbo ; Salsa rhythms and "Mil Sesenta AM Radio Litoral. Que buena onda." ID; tnx Henrik Klemetz for the detail and station info; UK FIRST	W/F	0505	3/4	BD
1062		TRT 4, Diyarbakir, Turkey; Turkish, music	222	2255	8/4	FW
1070	CBA	Moncton NB; CBC // 1140 kHz	W	2220	29/3	PC
1070	CBA	Moncton NB; CBC serious studio talk	W/F	2346	30/3	BD
1070	CBA	Moncton NB; YL with "CBC Radio One" heard before some music	W	0505	31/3	AB
1070	HJAH	Emisora Atlántico, Barranquilla; LA mx, SS jingle "Emisora Atlántico" and YL/OM TC/ID "... y 45 minutos – Atlántico es espectacular"; another jingle and ID at 0552	Fpks	0546	3/4	mah
1070	HJCG	R Santa Fé, SF de Bogotá; LA mx, SS IDs "En Radio Santa Fé, la una ... - Radio Santa Fé"	Fpks	0701	3/4	mah
1070	YVMA	Mundial Zulia, Barranquilla; SS ID/TC "En Mundial Zulia, primer lugar del sintonía 2, 6 minutos"	Fpks	0705	3/4	mah
1080	WTIC	Hartford CT; Coast to Coast (8 secs behind 1110 kHz)	W	0715	8/4	PC
1100	WTAM	Cleveland OH; "WTAM eleven-hundred" heard in lots of noise	W	0606	31/3	AB
1100	WTAM	Cleveland OH; WTAM IDs handing over to Coast to Coast AM	W/F	0406	19/4	PC
1100	WTAM	Cleveland OH; OM with sports talk "WTAM" heard in mess at same time as Euro signed on	W	0358	20/4	JW
1100	ZYK694	Rádio Globo, São Paulo; "1,100 kHz, Rádio Globo, São Paulo"	W/F	2300	20/4	PC
1110	WBT	Charlotte NC; Coast to Coast (8 secs ahead of 1080)	W/F	0715	8/4	PC
1110	WBT	Charlotte NC (tentative); telephone tlk, C2C AM, ads	F/G	0430	15/4	MM
1130	YVRL	R Ideal, Maiquetía; LA ballads, SS ID "Radio Ideal, 1,130 AM ..."	Fpks	0613	18/4	mah
1140	CBI	Sydney NS; CBC // 1070 kHz	W	2219	29/3	PC
1140	CBI	Sydney NS; CBC programme promo & CBC nx	W/F	0300	18/4	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1140	CBI	Sydney NS; CBC Overnight px, "CBC Radio One", "CBC Hourly News"; peaking to G, but spending lots of time in the noise to let the Latins through	Gpks	0700	24/4	mah
1140	CM--	R Rebelde, unknown site ; characteristic musical jingle; maybe being carried overnight on one of the Cuban local regionals listed for the channel; see also below for better ID; possible UK First	Wpks	0701	24/4	mah
1140	CM--	R Rebelde, unknown site ; musical jingle at 0701, mx, SS ID "... Radio Rebelde de La Habana, capital ...", // 5025 kHz	Fpk	0703	25/4	mah
1140	WQBA	Miami FL; EE/SS ID "... take care of one another. A message from WQBA 11-40 AM. WQBA 11-40 ... de nuestra programación"; also Fpk 0647 24/4	Fpk	0637	24/4	mah
1160	WBQN	R Super Borinquen, Barceloneta-Manati, PR ; "Esta es WB?? Super Borinquen transmitiendo desde.....Puerto RicoCiudad Industrial". Recording, juxtaposing "Super Borinquen" on my recording and from the website: http://paulc.mediumwaveradio.org/WBQN.mp3 ; UK FIRST	W	2357	11/3	PC
1180	WHAM	Rochester NY; apparently "Rochester's plumber is Mr. Rooter" then announcement "WHAM streaming with wham1180.com"	G	0633	31/3	AB
1180	CM--	Radio Rebelde, 2 sites listed; "Rebelde, La Habana, informa la revolución"	W/F	0000	29/3	PC
1190	WLIB	New York NY; talk (unusually- possibly commercials) and very weak WLIB ID	vW	0324	30/3	AB
1190	WLIB	New York NY; IDs "24 hours of praise and inspiration - LIB"	Fpks	0514	5/4	mah
1190	WBMJ	San Juan PR; nx, rlg anns, toth ID "For years now, The Rock Radio Network has been broadcasting We are AM 11-90 WBMJ San Juan AM 13-70 WIVV ... We are The Rock Radio Network"; also Wpks 0659 4/4	W/F	0600	24/4	mah
1190	LR9	R América, Buenos Aires; SS anns, "América Sinfo" and "Radio América Informa"; also Fpks 0730 28/3	Fpks	0700	4/4	mah
1190	LR9	Radio América, Buenos Aires; "Radio America informa...." followed by news	W	0230	14/4	PC
1190	HJCV	R Cordillera, SF de Bogotá; SS TC/ID "Son las tres y veinte minutos. Entendos Colombianos, Radio Cordillera, la ..."; tnx to AB for picking out the ID	Fpk	0820	3/4	mah
1200	CFGO	Ottawa ON; ID "Fox Radio" hrd also 29/3 with ID "you listen team 12 hundred"	233	0556	28/3	VL
1200	CFGO	Ottawa ON; "Sports Radio The Team twelve-hundred"	F	0627	31/3	AB
1200	CFGO	Ottawa ON; "Sports Radio 12 hundred" ID & Fox sports talk	F	0228	22/4	BD
1200	YVOZ	R Tiempo, Caracas; LA mx, weak SS ID "Desde Caracas, Radio Tiempo, 1,200 AM ..."	Fpks	0608	5/4	mah
1210	VOAR	Mount Pearl NL; dramatised bible story //webcast	W	0640	3/4	PC
1220	ZYJ458	R Globo, Rio de Janeiro; PP talk //webcast	W	2250	28/3	PC
1230	WSBB	New Smyrna Beach FL; partial ID "... New Smyrna Beach, Daytona Beach ... 12-30 The Beach"	P/Wpk	0900	16/3	mah
1230	WCMC	Wildwood NJ; "12-30 AM, this is WCMC, Wildwood", nx	Fpks	0700	16/3	mah
1230	WNIK	Arecibo PR; "Radio Isla, pégala Puerto Rico"; this is the correct slogan, as per the Radio Isla website, which also shows WNIK on its "Mapa de Cobertura"; also W 0735 12/4	F	0751	4/4	mah

MAPA DE COBERTURA



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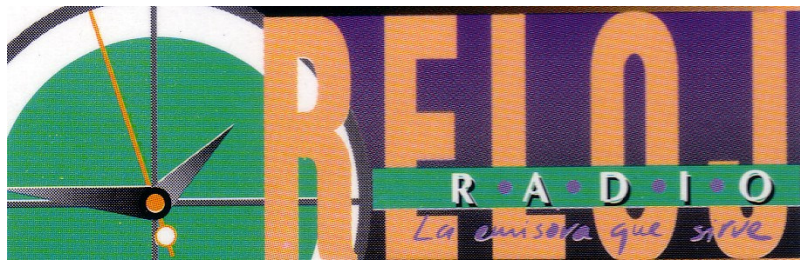
1240	WMMB	Melbourne FL; "Fox News, fair and balanced, every hour on WMMB Melbourne and WMMV Cocoa"	W/F	0859	16/3	mah
1250	WKBR	Manchester NH; "... on sportsradio WGAM" (relay) promo mentioning the Red Sox	W	0126	30/3	JF
1250	WGHB	Farmville NC; poor IDs in the mix "... here on News Radio 12-50 and 9-30, Pirate Radio 12-50 and 9-30"; not sure if this was the one carrying ESPN, or if it was just mixing with WEAE	P/Wpk	0703	28/3	mah
1250	HJCA	Capital R, SF de Bogotá; LA songs, SS IDs	Fpks	0720	3/4	mah
1260		General Arabic Programme, Dammam, Saudi Arabia; Arabic music (YL/OM)	433	2303	14/4	FW
1260	WMKI	Boston MA; Radio Disney	W/F	0637	06/4	PC
1270	CJCB	Sydney NS; hockey play-off – Cape Breton Screaming Eagles v Bathurst Titan. CJCB broadcasts Eagles matches	W	2301	07/4	PC
1290	WJNO	West Palm Beach FL; "12-90 WJNO" heard in the mix	Wpk	0506	20/4	mah
1290	WNBF	Binghamton NY; "News Radio 12-90 WNBF" heard in the mix, then C2C	Wpk	0506	20/4	mah
1310	WLOB	Portland ME; promo "... Saturdays 11 AM on News Talk WLOB, AM and FM"	Fpks	0723	16/3	mah
1310	CIWW	Ottawa ON; oldies, "Oldies 13-10, a division of Rogers ..."	W/Fpks	0500	20/4	mah
1320	CKEC	New Glasgow NS; "24 hours CKEC weatherline"	F	2242	28/3	PC
1320	CKEC	New Glasgow NS; legal ID at top of hour	P	0000	29/3	SW
1320	CKEC	New Glasgow NS; "13-20 CKEC Radio New Glasgow" ID & soft pops	W	0043	31/3	BD
1320	CKEC	New Glasgow NS; rock oldies, 13-20 CKEC ID	W/F	0408	11/4	HP
1320	WSKN	San Juan PR; SS anns, "Radio Isla" ID	vW	0821	4/4	mah
1320	YVWP	Radio Apolo, Turmero; Latin mx, Apolo ID, mix with CKEC	W	0407	9/4	HP
1320	YVWP	R Apolo, Turmero; bright Latin rhythms and sung Radio Apolo jingle	F	0519	13/4	AB
1330	WRCA	Waltham MA; end of programme announcement "The preceding programme has been a public affairs presentation of WRCA. I'm Dave Bernard and I hope you will join me for WRCA magazine, Sunday nights at 1130 on 1330 WRCA Beasley Broadcasting?"	F	0630	5/4	AB
1330	WRCA	Waltham MA; OM with FF/Creole studio talk & OM with "WRCA Waltham Boston" ID	W	0500	18/4	BD
1330		R Visión Cristiana, 3 possible locations; usual RCVI ID "This is WWRV 13-30 AM New York ..."	W	0500	09/4	PC
1350	CKAD	Middleton NS; tuned in to catch partial ID "... 13-50 CKAD Middleton, 14-20 CKDY Digby, 103.3 FM Weymouth and 97.7 CKEN Kentville. You're listening to AVR, an MBS radio station"	W	0511	9/4	mah

kHz	Call sign	Station, location; details heard etc	SIO	UTC	Date	Who
1350	CMFL	R Ciudad del Mar, Aguada de Pasajeros; SS anns, noticias, nice clear YL/OM ID at toth “Esta es CMFL Radio Ciudad del Mar, desde Cienfuegos ... cultural de la humanidad”, then light Cuban songs; UK FIRST	Fpks	0700	12/4	mah
1350	LS6	Radio Buenos Aires; ad for a religious meeting “lunes 19 de marzo por penultima vez, la fuerza mas consecrada de Argentina, unicamente en la conferencia a las 10, 16 y a las 20 horas. Los esperamos en Avenida Corrientes 4070 Almagro” When I listened to LS6’s webcast later in the day I heard the same announcement	F	0027	19/3	PC
1350	LS6	R Buenos Aires; SS anns, ID “Radio Buenos Aires 1,350 AM”	Fpks	0730	19/4	mah
1350	ZYH520	Rádio Cristal, Salvador; heard at regular intervals throughout night – initially with football, Sertãozinho v Palmeiras and then Boa Vontade IDs. Tnx to Samuel Cassio in São Paulo for confirming the IDs “Yes, it is Rádio Cristal, Salvador, from Rede Boa Vontade de Radio”	F	0430	19/3	PC
1350	ZYH520	Rádio Cristal, Salvador; PP listener phone in show, "Cristal" ID W/F & church mx		0050	31/3	BD
1360	WKAT	North Miami FL; toh ID “WKAT – South Florida’s Christian Talk”; note format change from 1 st January and www.1360wkat.com	W	0600	3/4	AB
1370	WDEA	Ellsworth ME; Captain & Tennille Oldie, 13-70 WDEA ID	W/F	0418	11/4	HP
1370	OCY4U	R Nuevo Tiempo, Lima; soft SS mx, full ID; this is listed as 1380 kHz – is 1370 a typo, Hans? - mah	W/F	0346	23/4	HP
1380	WKDM	New York NY; Chinese talk heard between 0030 and 0055 and again at 0130. WKDM site states the station switched to Mandarin programmes on 1/1/07 (“it is definitely WKDM 1380” – Paul Walker via IRCA). (0801 27/2 “13-80 AM WKDM New .? in EE with CC either side)	W/F	0045	20/2	PC
1380	YVNG	Ondas del Mar, Puerto Cabello; SS speech, ID “Ondas del Mar 13-80 las 3, 8 minutos”	Fpks	0709	12/4	mah
1386		Tianjin PBS, China; CC songs& anns dominant in mix w IRIB	W/F	1740	18/3	Rha
1386		R Rurale, Labé, Guinea; ID “Radio Rurale”, music	344	2258	18/3	VL
1390	WEGP	Presque Isle ME; weak “WEGP Presque Isle” at toth then news. Stronger at 0530	W	0500	7/4	PC
1400	CBG	Gander NL; CBC news	W	0405	10/4	HP
1400	CBG	Gander NL; CBC News	W	0000	22/4	PC
1410	WPOP	Hartford CT (tentative); baseball game, believe Boston Red Sox; ESPN promo; severe QRM BBC R Gloucestershire	F/G	0447	15/4	MM
1410	WPOP	Hartford CT; ESPN radio	W	0428	21/4	PC
1410	WMYR	Fort Myers FL; “... Vatican Radio World News update for today. I’m Wendy Reid, Relevant Radio News”; a further mention of Relevant Radio before WPOP took over	W/F	0731	28/2	PC
1410	XEBS	R Sinfonola, DF; ‘La más Perrona’ – lots of Norteño music, promo for concert by Intocable in Nueva Leon on Sat 21 st ; also ‘Sinfonola’ between music tracks	F	0315	20/4	AB
1420	CKDY	Digby NS; “Country, all day long - today’s best country, AVR”	Fpks	0743	16/3	mah
1420	YVNZ	Radio Marabina, Maracaibo; lively Latin music “Marabina 14-20”	F	0523	29/3	PC
1430	WENE	Endicott NY; “All sports, all of the time ... Sports Radio 14-30 The Team”	W	0605	29/3	AB

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1430	WENE	Endicott NY; "Sports Radio 14-30, The Team"	W	0705	6/4	PC
1430	YVTP	R Bahía, Puerto La Cruz; SS TC, ID "... para Venezuela y el mundo, transmite Radio Bahía, la sensación del caribe"	Fpks	0700	18/4	mah
1431		R Sawa, Arta, Djibouti; ID "Radio Sawa", music	444	2057	19/3	VL
1449		IRIB Bandar, Iran; Farsi – Muslim praying & anns xd LJBC	F	1705	1/4	Rha
1449		LJBC Misurata, Libya (pres); Arabic music, songs and anns	W/Fpks	1708	1/4	Rha
1450	WENJ	Atlantic City NJ; WENJ ID heard at 0103; under oldies or nostalgia station	W	0103	4/4	JF
1460	HJJW	R Nuevo Continente, Bogotá; "Nuevo Continente" ID among talk and music	W	0801	7/3	PC
1470	WWNN	Pompano Beach FL; ID "AM 14-70 WNN"	344	0552	24/3	VL
1470	WWNN	Pompano Beach FL; Steve Kane show on "AM 14-70 WNN", including a piece about the captive British sailors in Iran, and an advertisement for an all-you-can-eat for \$10 restaurant	W	0609	3/4	AB
1470	WMBD	Peoria IL; ID "WMBD"; thanks Torolf & Nick for their confirmation	233	0600	23/3	VL
1470	WLAM	Lewiston ME; ESPN Radio. Usual ID at toth "Live from the Rowe-Aubrey Studio....."	W	0300	28/3	PC
1470	WLAM	Lewiston ME; ad for "The Herd", the ESPN programme, and then "There's only one station Lewiston/Auburn depends on ... 14-70 ESPN your sports station."	W	0441	29/3	AB
1470	WLAM	Lewiston ME; legal ID – exceptionally good	vG	0100	30/3	SW
1470	WLAM	Lewiston ME; ID"ESPN Radio" following by "you listen 14-70 ESPN LA sport..."	233	0520	30/3	VL
1470	WLAM	Lewiston ME; ESPN programme promo's & "WLAM Lewiston W/F Auburn 14-70" ID		0456	5/4	BD
1470	WLAM	Lewiston ME; Mike+Mike in the morning on 14-70 ESPN Radio	F	0416	8/4	HP
1470	WLAM	Lewiston ME; sports news "ESPN Radio"	W	0158	12/4	JW
1470	WNYY	Ithaca NY; IDs and weather forecast; briefly dominant signal over WLAM; then CNN news	Fpk	0100	17/4	SW
1470	HJNT	R Restauración, Cali; two IDs between Latin rhythms	F	0455	31/3	JF
1470.07	HJNT	R Restauración, Cali; Latin pops," Radio Restauración, la Voz de la nova generación"	F/G	0450	1/4	HP
1470	OAU4B	CPN Radio, Lima (pres); Pare de Sufrir programming	W/F	0440	26/3	PC
1470	OAU4B	CPN Radio, Lima; ID" Avenida Iquitos 737, distrito de la Victoria" You find this address on the website: http://www.paredesufrir.com.pe/HTMLdirecciones.html "Para de Sufrir" programming aired on this station. Thanks to Andrew for his help	233	0557	26/3	VL
1470	OAU4B	Lima, Peru; more of the Pare de Sufrir religious programming mentioning the "Sede Nacional" in Lima	W	0438	29/3	AB
1470	OAU4B	CPN Radio, Lima; Pare de Sufrir ID	F	0434	8/4	HP
1470	OAU6E	R Victoria, Arequipa; "Qué buena ... estás escuchando Radio Victoria, la radio con más noticias" – or possibly "más potencia"; same as Paul C's log	W	0302	23/4	AB
1470	OAU6E	Radio Victoria, Arequipa; "Estan escuchando Radio Victoria, la radio con más noticias"; tnx to AB for the second part! http://paulc.mediumwaveradio.org/1470vic.mp3	W/F	0302	23/4	PC

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1470	CX 147	Radio Crystal del Uruguay, Las Piedras; SS anns, LA mx, ID "Radio Cristal del Uruguay"	W/F	0550	16/3	Rha
1470	CX147	Radio Cristal del Uruguay, Las Piedras; familiar sung YL "Radio Cristal" jingle	F	0137	29/3	AB
1470	CX147	R Cristal del Uruguay, Las Piedras; "Radio Cristal del Uruguay en 1470 kHz de amplitud modulada"	W	2358	22/4	PC
1470	YVJW	Llanerísima, Valencia; "...en Llanerísima 1470, (2?) y 2 minutos" Recording: http://paulc.mediumwaveradio.org/1470unid.mp3 Tnx to Henrik Klemetz for identifying the llanera music and suggesting Llanerísima. I was then able to find an ID!!	W	0602	2/3	PC
1470	YVSY	R Vibración, Carúpano; "En Vibración son las 11 y 9 minutos"	W	0309	26/3	PC
1470	YVSY	Radio Vibración, Carúpano; "en Vibración" followed by something other than a time check; usual style of music followed	Fpks	0518	3/4	AB
1470	YVSY	R Vibración, Carúpano; SS phone in mention Venezuela, ID	F/G	0333	23/4	HP
1470	ZYJ616	R Rural de Parelhas, Parelhas; "Rural" and "Parelhas" heard separately within same announcement	W/F	2305	27/3	PC
1480	WSAR	Fall River MA; weather forecast, then "Number one home for news and talk, 14-80 WSAR"	F	0502	5/4	AB
1480	WSAR	Fall River MA; weather "... I'm Dorian Kay on the region's number one home for news and talk, 14-80 WSAR"	F	0206	6/4	PC
1480	WSAR	Fall River MA; telephone tlk, ABC News, local wx, station employment promo, then into chat show	G	0457	9/4	MM
1480	WSAR	Fall River MA (tent); talk show, caller from Arkansas, no ID	F	0414	15/4	HP
1480	WMDD	Fajardo PR; Latin music; YL "...en Tropical 14-80"	W/F	0652	3/4	PC
1480	WMDD	Fajardo PR; "... es W... Tropical 14-80 ... Puerto Rico ... en noreste de Puerto Rico"; I've listened to the recording several times, and I'm pretty sure the "WMDD" was actually truncated	Fpk	0716	25/4	mah
1500	WTWP	Washington DC; contemporary Washington Post talk	W/F	0530	16/3	Rha
1500	WTWP	Washington DC; Jim Bohannon Show then "Information for Life, every hour - Washington Post Radio"	W/F	0658	29/3	PC
1500	WTWP	Washington DC; OM/YL current affairs chat	W	0014	31/3	BD
1500	WTWP	Washington DC; promo "Washington post Radio.com"	F	0559	31/3	JW
1500	WTWP	Washington DC; Washington Post Radio ID	W/F	0400	16/4	HP
1500	UNID	PP news	F	2300	28/3	PC
1503		R Tsentr, Russia; EE Family radio format	W/Fpks	1732	18/3	Rha
1510	WWZN	Boston ME; presenter talking about the Sporting News Fantasy Baseball issue	F	0648	29/3	PC
1510.02	WWZN	Boston MA; sports talk	F	0013	31/3	BD
1510	WWZN	Boston MA; baseball talk	G	0356	15/4	HP
1510	WWZN	Boston MA; ID "Boston's Sports station 15-10 the Zone WWZN Boston" web address "1510thezone.com" given	G	0400	17/4	JW
1520	WWKB	Buffalo NY; ID, CNN news and more talk	W/F	0000	31/3	BD
1520	WWKB	Buffalo NY; usual chat. 'kb1520.com' address given	W/F	0720	6/4	PC
1520	WWKB	Buffalo NY; ads "15-20AM" heard	W	0600	9/4	JW
1520	WVOZ	San Juan PR (tent); just tuned in to hear speaker saying "en Puerto Rico". Station disappeared very quickly.	W	2247	28/3	PC
1521		CRI Urumqi, China; Russian info tlk from "Govorit Radio Kitaya"	W/F	1720	18/3	Rha

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1521		BSKSA, Duba, Saudi Arabia; ID "... Al Arabiya"	555	1725	17/3	VL
1530	WCKY	Cincinnati OH; US Bible talk. No ID at toth	W/F	0700	9/4	PC
1539		Radio Aap Ki Duniyaa, UAE; in presumed Urdu but with several IDs and references to voa.gov website	Exc	2315	21/4	SW
1540	WDCD	Albany NY; "Life 15-40 WDCD" heard under CHIN	W	0058	19/4	PC
1540	WDCD	Albany NY; "Life 15-40 WDCD" and "1540wdcd.com" heard mixing with CHIN	W	0216	19/4	AB
1540	CHIN	Toronto ON; Caribbean music and OM with telephone number 416-370 6040. 416 is an area code for Toronto, and the schedule shows Caribbean programming at this time	F	0656	31/3	AB
1540	CHIN	Toronto ON; Chinese language lessons	F	0050	19/4	PC
1540	ZNS1	Nassau, Bahamas; "This is AM 15-40, the national voice of the Bahamas" ID & political ceremony	F	0001	31/3	BD
1540	ZNS1	Nassau, Bahamas; soft instrumental pops, ID "15-40 AM Radio W Bahamas"	W	0218	6/4	HP
1540	ZNS1	Nassau, Bahamas; light songs, ID "AM 15-40 ZNS1, the National Voice of the Bahamas, ... in your company. This is Music 'til Dawn. It's 2 o'clock, that's 2 AM, that's the correct time now, it's 2 o'clock"	F/G	0600	10/4	mah
1550	CBE	Windsor ON; interview about Somalia; //webcast but not //1070	F	0720	9/4	PC
1550	CBE	Windsor ON (tentative); CBC report on constitution	G	??	16/4	MM
1560	WQEW	New York NY; Disney pops	W	0700	29/3	JW
1560	WQEW	New York NY; Radio Disney pop show	F	0017	31/3	BD
1560	WQEW	New York NY; "WQEW New York" ID at 0558:30 – seems to be a standard ID time for this station	W	0558	6/4	AB
1560	WQEW	New York NY; Radio Disney	W/F	0723	9/4	PC
1560	WQEW	New York NY; R Disney dot com ID, Top 3	F	0412	15/4	HP
1566		AIR Nagpur, India; time pips and then news in Hindi	F	2330	2/4	SW
1570	WECU	Winterville NC; promo "... right here on WECU 15-70 AM"; also W/P 0641 9/4, Fpk 0521 21/4	Fpks	0648	19/4	mah
1580	HJQT	SF de Bogotá; "...es la emisora de la gran cadena Caracol y WVW Radio, la radio que tú quieres, Candela 101.9, todo éxito" Recording: http://paulc.mediumwaveradio.org/1580.mp3 ; many tnx to Henrik Klemetz for identifying this station and for the transcription. He writes "William Vinasco seems to have reached an agreement with Caracol and he is now running Radio Reloj 1010, says Rafael Rodríguez. On 1580, which is what you have, he is running one of his FM channels, Candela 101.9 /there is an ID on your clip"		0757	2/3	PC
1580	HJQT	SF de Bogotá; music with "Candela" slogans between tracks. Thanks to Rocco Cotroneo who identified the station, and to Henrik Klemetz for the logos (R Reloj also carried on HJQT)	F	0530	13/4	AB

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
						
						
1600	WMNE	Riviera Beach FL; Radio Disney // 1560 kHz	W/F	0647	3/4	PC
1610	CJWI	Montréal QC (presumed); OM with FF talk	W	0358	29/3	JW
1610		Caribbean Beacon, Anguilla; EE preacher	W	0409	21/4	HP
1620	WDHP	Frederiksted, USVI; Relay BBC WS and at 0559 toth full ID "You are listening WDHP...."	344	0530	15/03	VL
1620	WDHP	Frederiksted, USVI; calypso party mx	W	0021	31/3	BD
1620	WDHP	Frederiksted, USVI; YL "You are listening to WDHP in the United States Virgin Isles" then BBC news	F	0500	31/3	JW
1620	WDHP	Frederiksted, USVI (presumed); with Spanish programming and ID as "esta es Radio Republica la voz..." at start of religious programme; also heard BBC WS news at 2303 on 21/4	vG	2300	2/4	SW
1620	WDHP	Frederiksted, USVI; talk & BBC WS infos, WDHP ID	W/F	0350	16/4	Rha
1620	WDHP	Frederiksted, USVI; EE ID loop, BBC WS relay, G 0410 12/4	F	0410	24/4	HP
1630	KRND	Cheyenne WY; "La Grande" ID and upbeat Mexican-style music. Serendipity – I recorded this frequency by mistake and got a new State!	W	0623	4/3	PC
1640	WTNI	Biloxi MS; ID "ESPN Radio ..."	333	0619	22/3	VL
1640	WTNI	Biloxi MS; promo "Sports Desk....talk radio 16-40 WTNI"	W	0559	28/3	JW
1640	WTNI	Biloxi MS; WTNI and ESPN IDs	W/F	0646	8/4	PC
1650	WHKT	Portsmouth VA; Radio Disney promo, "16-50 Radio Disney" ID tag & Radio Disney pop mx show	W	0023	31/3	BD
1650	WHKT	Portsmouth VA; "AM 16-50 Radio Disney" later mixing with continuous music probably from CJRS; also heard at 0201 on 21/4 3with legal ID	F	2319	12/4	SW
1650	WHKT	Portsmouth VA; Radio Disney pops programme	W/F	0357	16/4	Rha
1650	WHKT	Portsmouth VA; Radio Disney as usual, and "AM 16-50 WHKT Portsmouth" legal ID at 0457	F	0457	17/4	AB
1650	WHKT	Portsmouth VA; advert to win 500\$, "on 16-50 Radio Disney"; also G 0410 15/4	F	0356	22/4	HP
1650	CJRS	Montréal QC; FF announcement "Ici CJRS 16-50 kHz Montréal (?) a la puissance 1000 watts..." http://paulc.mediumwaveradio.org/cjrs.mp3	W	2327	21/2	PC
1650	CJRS	Montréal QC; instrumental mx, soft songs	W/F	0426	11/4	HP
1660	WCNZ	Marco Island FL; "Relevant Radio" religious prog	333	0532	24/3	VL
1660	WCNZ	Marco Island FL; religious talk and ID "Relevant Radio"	F	0600	27/3	JW
1660	WCNZ	Marco Island FL; Relevant Radio IDs, phone in	G	0415	7/4	HP
1660	WCNZ	Marco Island FL; Relevant Radio ID heard	W	0634	8/4	PC
1660	WCNZ	Marco Island FL; ID "Relevant Radio", religious tlk	W/F	0400	16/4	Rha
1660	WWRU	Jersey City NJ; KK talk and "WWRU" ID under WCNZ	W	0600	27/3	JW
1660	WWRU	Jersey City NJ; legal ID in English	F	0100	5/4	SW
1660	WWRU	Jersey City NJ; KK studio talk	W/F	0236	6/4	BD

kHz	Call sign	Station, location; details heard etc	SIO	UTC	Date	Who
1660	WWRU	Jersey City NJ; OM Korean talks	G	0408	15/4	HP
1660	WWRU	Jersey City NJ ; Korean music programme xd WCNZ	W	0403	16/4	Rha
1660	WFNA	Charlotte NC; "16-60 ESPN Radio" ID	W	0402	13/4	HP
1660	WGIT	Canóvanas PR, SS; música romantica balades	W	0455	11/4	Rha
1670	WVVM	Dry Branch GA; ID "WV-VM ..." Spanish prog	233	0502	24/3	VL
1670	WVVM	Dry Branch GA; SS YL pop mx	W/F	0412	14/4	HP
1680	WLAA	Winter Garden FL; LA mx, "Que buena " IDs	F	0403	15/4	HP
1680	HI--	Radio Senda, San Pedro; religious programming with lots of "Hallelujahs" then several IDs as Radio Senda. European Military digital transmissions OFF air for a while	F	2333	14/4	SW
1690	WMLB	Avondale Estates GA; classical mx	F	0239	6/4	BD
1690	WMLB	Avondale Estates GA; classical mx, 16-90 Voice of Arts	F/G	0419	7/4	HP
1690	WPTX	Lexington Park MD; "You are listening to Newstalk 16-90AM ..."then QRM	W	0459	10/4	JW
1690	WPTX	Lexington Park MD; talk abt Ronald Reagan	W	0432	11/4	HP
1690	WPTX	Lexington Park MD; CNN rolling nx	W/F	0116	22/4	BD
1690	WTTM	Lexington Park MD; "You're listening to News talk 16-90 AM WTTM Lexington Park"	F	0000	19/4	PC
1700	WJCC	Miami Springs FL (tent); Creole religious talk w Hallelujahs	F	0428	10/4	HP
1700	KBGG	Des Moines IA; EE phone in mention KBGG and KCJJ!	W/F	0342	24/4	HP
1700	KVNS	Brownsville TX; Preciosa IDs	W/F	0655	9/4	PC
1700	KVNS	Brownsville TX; Mexican music and ID "La Preciosa"	W	0458	15/4	JW
1700	KVNS	Brownsville TX; nice MOR Mexican pops	W	0122	22/4	BD
1700	CRJ	Carajas, Brasil, CW beacon	W/F	0415	24/4	HP

Many thanks to the following reporters:

- AB Andrew Brade, Holme-on-Spalding Moor, East Riding of Yorkshire. AOR AR 7030 plus, 40m EWE at 290°, 305m beverage at 220°. Recording on Sony MZ-NH1 minidisc + Total Recorder.
- BD Barry Davies, Carlisle, Cumbria. AOR AR 7030, 130m longwire.
- FW Friedhelm Wittlieb, Grundig Satellite 700 with martens fram-antenna, Lünen, Germany
- HP Hans Pammer, Loosdorf, Austria. Icom R75, AOR 7030+, K9AY, 75m Beverage at 225°.
- JF John Faulkner, Sutton-in-Ashfield, Notts. AOR AR7030, ewe antenna, Winrad v1.24, VAC, WaveLab, Cool Edit Pro, RecAll-PRO.
- JW John Williams, Hemel Hempstead. AOR 7030 and 40m long wire.
- mah Martin Hall, Clashmore, Sutherland. NRD-545, RPA-1 preamp, beverages: 513m at 240 degrees, unterminated; 475m at 265 degrees, terminated; 506m at 290 degrees, terminated, 550m at 340 degrees, terminated; TotalRecorder, Technics RS-BX404 cassette deck as backup.
- MM Martyn Madeley, Malvern Link, Worcestershire. DR101 McKay Dymek, AOR AR 7030+, space magnet 2, Wellbrook ALA 1530.
- PC Paul Crankshaw; Troon, Ayrshire; AR7030; EWE, Rec-All Pro recorder.
- Rha Ronald Hagensen, Ottersberg, Germany. AOR 7030plus, 22m in direction 315° & 28m in direction 290°.
- SW Steve Whitt, High Catton near York. AOR7030+ and HF225 Europa with dual loop K9AY.
- VL Vincent Lecler, Poitiers, France. TS850, EWE + BOG + LW.

Apologies to **John F** and to **Vincent** for the omission of your logs last month – for some reason they didn't reach me at all. Now included in the above – mah.

John F comments: "Not much listening done here this month due to other commitments. The summer months tend to have me concentrating more on band 1 TV and FM DX, however, this

summer I intend to spend time DXing the Latins on MW and will be moving my ewe antenna to a SW direction for the purpose". Pretty much the same at this QTH, John. My main focus of attention over the summer months will be amateur radio on the bands between 6m and 23cm, but last years results with South Americans give me encouragement to record overnight on a regular basis, and to be up very early for some "live" DXing – mah.

Andrew writes: "Please find a rather short log. Conditions have continued to be poor and this is the shortest log I've posted for some time".

Hans has had better luck, and tells us: "It was a good month for DX. Nearly every day at dawn the DX pulls in. Even better than in mid-winter. You see it all in my loggings. Since January I use a mini beverage antenna of 75-m pointing at 225 degrees. This is deep down in Argentina. Space limitations don't allow any other directions, but it works very fine for South America in general and also brings in the North American stuff with nice signals at times. The antenna is mounted on plastic fence pales of 1.5m and terminated with a 500 Ohm resistor. I don't know why but it outperforms the K9AY in the garden quite often. There is a possibility for a second beverage of about 60-m pointing at 230 degrees. This will be a project for the next couple of weeks". Good luck with your experiments OM – mah.

Friedhelm: "Unfortunately again no reception from America, but for it some interesting receptions from the Near East and Africa. My conditions in Lünen are not the best for a TA-Log. I must just live with it. But, I am happy always over one log from the Near East and Africa and of course from Europe".

John W: "Not very much from me this month - every one of the stations heard I had taped overnight to listen when I got up!" **Paul C**: "Conditions have been disappointing on the whole. South America hasn't been as evident as I had hoped, with just a few scratchy signals".

Martyn writes: "This season has been pretty dismal – mostly run of the mill catches up to this month. I was greatly surprised to hear WSAR on 1480 and WPOP on 1410, - whilst both stations are for the most part regulars everywhere else, for me they have been tough to log, primarily because of interference. From approximately 550 to 1000 kHz I have also been plagued with what sounds like a power line buzz or other similar interference which has hampered reception".

Mauno Ritola sent a message to the e-List on 10 Apr 07 saying: "Now also R María Panamá ID has been heard on 1240 kHz. There's a R María station in Santo Domingo, DR in the INDOTEL list traced by Henrik. I asked R María HQ and they deny the possibility of having a station in Panamá on 1240 kHz (though mention 1310 kHz, which has also been heard), but say that: "It's possible that the radio in S Domingo was broadcasting a program created in Panama that was shared for some purpose, receiving it via the PAS9 satellite where RM Panama is uplinking. It happens that in certain cases the radios receive a program from Spain, Italy or other countries and rebroadcast it into their network." But it seems that to ID R María (with multiple transmitters on the same frequency) definitely one has partly to rely on the direction of the conditions or needs a reliable confirmation from the station or to know which satellite up-/downlinks each station has ...".

As noted above, I haven't spent much time DXing over the last month, but when I have, conditions typical of the transition from winter to summer have been noted here in Clashmore: on some days east coast North Americans have been dominant; on others a few stations from the southern half of South America; but the most interesting region has been the Caribbean, which has produced some interesting catches - mah

The **deadline** for the July/August DX Loggings is **Tuesday 26th June**. I look forward to receiving your logs by then, preferably electronically/via e-mail using the Word pro-forma, which I can supply on request. Please remember that I don't automatically include loggings sent to the MWC e-List, so please copy me separately if you would like them included in DX Loggings.

73's Martin