

Suomen DX-litto r.y.



8.6.2011

Nro 9  
1019

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**Next issue stopdate and address for loggings and gossips:**

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CTOM Sta. Clara-Progresso

via Distance

## Eurooppa

558	23.5.	2033-	FIN: Digita Oy, Helsinki. Santahaminan AM-aseman koelähetys. Oudosta "vouvaamisesta" voisi päätellä, että tässä testataan Ficoran listalla mainittua FSK-lähetettä. Toinen koelähetyslupa on AM-moodelle. Molemmat voimassa 31.5.2011 saakka teholla 20 kW. <a href="http://www2.ficora.fi/bcluvat/bcluvat.aspx">http://www2.ficora.fi/bcluvat/bcluvat.aspx</a> . TET
1485	24.5.	0630-1221	- Lähetää 50 Hz brummiä, lopetti 1035 Hz:n tonella. POK
1512	2.4.	0030-	LVA: R Merkurs, Riga. JHY
	27.5.	1620-	S: R Nord Revival, Kvarnberget. Lyhyillä ei löytynyt annetuilla taajuuksilla ainakaan vielä. Tähän se menee: kun normaalit yleisradioasemat lopettavat AM-lähetykset, pitää asematkin tehdä itse. Joku raha-dx-mies voisi ottaa kilowatin lähettimen matkalaukkuun (ja antennin) ja lähteä kertämään maailmaa. Tähän voisi saada kulttuurille suunnattua Eurorahaa ;-). Lyhyiden eka taajuus 7485 oli häiritty ainakin 17z asti, mutta asema kuului heikosti siinäkin. Ja mw tasalla: [1512.000]. TK/E
	27.5.	2155-	- JJK
	27.5.	2355-	S: R Nord Revival. Kuului tässä taajuuden voimakkaimpana. Lyhytaaltotaajuksilta ei ainakaan vielä havaintoja. TTM/S
7485	29.5.	0830-	S: Radio Nord Revival. Pyöritti vanhoja nostalgisia nauhoja ja soitteli 1950-luvun iskelmiä muutoin tyhjällä taajuudella. HAR
9930	28.5.	1820-	S: R Nord Revival. Kohtuullinen signaali NRD:llä. Vielä jos jaksaisi kaivaa Perseuksen vaatekaapista, niin saisi nuo splashit pois. JUS

## Piraatit

1660	21.5.	2125-	HOL: Professor Sibbok. JJJ
6300	21.5.	2000-	HOL: Radio OZ (Oscar Zulu). JJJ
6945	1.6.	2222-	G: LHH (Laser Hot Hits). JJJ
6967	30.5.	2030-	HOL: Hit-Mixteam. Lady Angel puikoissa. JJJ

## Brittein saaret

999	31.1.	0200-	G: Magic 999, Preston. JHY
1323	31.3.	0100-	G: Gold, Southwick (Brighton). "This is Gold". JHY
1503	14.5.	1600-	G: Betar Bangla, London-Bow. Loistava kuuluvuus Greenwichin puistossa, 6 km päässä Bow:n antennista. Community proggista Itä-Lontoon Bangladesh -yhteisölle, tietoja alueen tapahtumista, jopa tapahtumien parkkipaikkojen pysäköintimaksut mainittiin. Bengalimusaa, säännöllisesti mainoskatkoja ja idejä. Hotellihuoneessa Kensingtonissa 12 km:n päässä heikosti kohinan seassa. VJR/Lontoo
1548	12.5.	0745-	G: Gold London. Tiedoksi että Goldilla on paikallinen

liikennetiedotus varttia vaille. "That's the latest from Gold London Travel Center". VJR/Lontoo

## Iberia

666	4.4.	0200-	POR: RDP Antena 1. Portugali soitteli surumielisiä fadoja suomalaiskuuntelijan pohtiessa maailman taloutta. JHY
963	31.1.	0230-	E: R Euskadi, Vitoria. JHY
1179	31.1.	0550-	E: SER R Valencia. Alueohjelma "Hoy por hoy Comunidad Valenciana" alkoi. JHY
1224	31.1.	0455-	E: COPE Lugo, Lugo. Paikallinen alkoi tähän aikaan. JHY
1503	22.5.	2241-	E: RNE5 Andalucia, La Linea. Paikallinen vaaliohjelma Andalusiaan alkoi. Muutkin havainnot olivat tavallisimmasta päästä: 639 Galicia, 684 Andalucia, 729 Asturias, 738 Catalunya, 774 Extremadura, 1098 Galicia, 1107 Cantabria ja 1413 Galicia. Olisin toivonut, että etelässä kuuluisi eri asemia kuin Lapissa, mutta turhaan. JMS

## Afrikka

1449	2.6.	2215-	LIB: F Free Libya, Misurata. Nyt tuli idejäkin: "Huna Sawt t'll Libya Hurriya min Misrata". JHY
4750	4.6.	1818- <u>1902</u>	UGA: Dunamis Shortwave, Mukono. Kuulutamatonta musiikkia, kuten pari päivää aiemminkin, hienolla kuuluvuudella. Afroneminkiäkin seassa. Lopulta erottui musiikin päällä oleva yksi ainoa kuulutus.... Muutoin töpseli pois lopetuksessa. JHY/V
4770	23.5.	2120-	UNID: itäafrikkalainen. Ilmeisesti Eritrea juhli maan itsenäisyyspäivää (24.5.). Vaikka tämä Eritrean taajuus löytyy ainakin DSWCI:n TBM 2011 -listasta, en ihmeteltyt asemaa riittävästi ja nauhoitus jäi tekemättä. Harmi. PS/P
4780	30.5.	2050- <u>2103</u>	DJI: RTV Djibouti. PS/P
6030	4.6.	1704-	ETH: R Oromia, Addis Ababa. JHY

## Aasia

585	12.10.10	1330-	CHN: Langfang PBS, Langfang. Tuli pitkän tovin, vaikka taajuudella on tehokkaampiakin. LEM293
648	9.10.10	1520-1543	JPN: AFN Okinawa. LEM293
783	4.4.	0200-	SYR: SBTO Tartus. Kuulutti taajuutensa ja ohjelmansa. JHY
918	9.10.10	1446-1535	CBG: National Radio of Kampuchea, Phnom Penh. Antoi pitkästä aikaa uuden mw-maan! LEM293
990	12.10.10	1445-	PHL: DZIQ Radio Inquirer, Obando. Oli aika hyvässä hapessa. LEM293
1062	9.10.10	1415-1500	IRN: IRIB Radio Kerman. LEM293
1269	9.10.10	1545-1601	TWN: Han Sheng Broadcasting Corporation, Penghu.

1323	19.1.	1600-	LEM293 IRN: IRIB R Azerbaizan-e-Sharqi, Jolfa. Nyt erottui provinssin nimi selvästi....paikalliset uutiset alkoivat idin kera. JHY
3325	15.5.	2201-	INS: RRI Palangkaraya. Kuuluttaja kertoi uutisia. Kuului myös mm. 22.5., mutta kesän lähestyessä on kuulunut yhä huonommin. PS/P
4319	15.5.	1830-2230	DGA: AFRTS. Loud and clear, USB. PS/P
4750	29.5.	2101-2135	INS: RRI Makassar. Ei taida nykyisin olla kovinkaan tavallinen. Aloittaa RRI-asemien tapaan anivarhain aamuviideltä paikallista aikaa. PS/P
15970	31.5.	1745-	TWN: Sound of Hope R. Hieman aikaisemmin myös "Firedrake" kävi taajuudella. JTS

#### Oseania

690	9.10.10	1419-	HWA: KHNR Honolulu, HI. Hawaii´s Intelligence Talk. LEM293
1130	9.10.10	1415-1450	HWA: KPHI Honolulu, HI. Nousi ideille ja mainoksille pariin otteeseen antaen raporttiin tarvittavat detaljit. Muuten tauotonta instrumentaalimusaa. Ei näköjään ole aikaisemmin lokausta OLL:ssa. Vastasi mukavasti parillakin e-maililla. Kauan on aikaa siitä, kun edellisen kerran tällä taajuudella tuli havaijilainen, nyt jo edesmennyt KLEI Kailua. LEM293
1152	9.10.10	1454-	AUS: 6PNN ABC News Radio, Busselton, WA. Piikkasi tasatunnille. Ohjelmapromossa maakohtaisuus, Eastern Daylight Time-maininta vie ajatuksen pakostakin Australiaan. Tämä on kuultu testilähetyksillä 23.6.2010 Etelä-Afrikassa. Schedulen mukaan BBC:tä tulee tähän aikaan ABC News Radiolta. Tällä ketjulla on paljon BBC releointia, jonkin verran NPR-ohjelmia ja vähän omaakin. LEM293
1161	12.10.10	1500-	AUS: 5PA ABC Naracoorte, SA. ABC News, ABC1 Tv-promo, urheilua. Vanha tuttu, FFF on jo takavuosilta taskussa. LEM293
1503	12.10.10	1355-	AUS: 2BS Bathurst, NSW. Alkuun näytti, ettei tästä saa kuin suuntaa antavia detaljeja, mutta fileen pilkkominen lyhyiksi palasiksi auttoi kovasti. Mm. Michael Parkinson promoamassa Royal Institute for Deaf and Blind Children-firman puolesta. Id: 1503 2BS National News. LEM293
4835	23.5.	2140-2205	AUS: NTSWS Alice Springs. Ihmeen puhtaasti "vääränä" vuodenaikana. Laulatti mm. Bob Dylania. Eri ohjelma kuin 5025. PS/P
5025	23.5.	2130-2135	AUS: NTSWS Katherine. "It's 7 o'clock" ja ABC News. PS/P

#### Pohjois-Amerikka

540	28.12.10	0700-	USA: WFLF Pine Hills FL. "5-40 W...." ja Fox-
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			uutistunnari. Edit 20.5.2011; "5-40 WFLA" on aivan selvä Playlitella höylättyä. Tnx guys! MJ
600	28.2.	0900-	USA: KCOL Wellington CO. AIH
680	7.12.97	0815	USA: WPTF Raleigh NC. V/s on radioamatööri ja oli viimeistä päivää asemalla töissä. Verifioi huolella siivotessaan laatikostaan löytämänsä cd-raporttini, sammutti valot ja lähti uusiin hommiin! Raportti oli maannut inssin pöytälaatikossa siis noin 3 vuotta, ei sentään yhtätoista... LEM113/HAT
730	12.12.10	0645-	CAN: CKDM Dauphin MB. PEH
790	12.12.10	0700-	USA: KFGO Fargo ND. "79 KFGO Fargo". Varsin mukava aamu tämä, ei vaan ole tullut aiemmin kuunneltua tarkemmin kun on lähes pelkkää jenkkiä. PEH
1050	31.1.	0215-	USA: WEPN, New York, NY. JHY
1150	27.12.10	1130-	USA: KSAL Salina KS. Näin sateisen sunnuntain ratoksi on mukava palata vielä joulukuun keleille. KIV/K
1190	12.12.10	0700-	USA: KEX Portland OR. "Newsradio 1190 KEX Portland". PEH
1190	31.1.	0450-	USA: WLIB New York NY. JHY
1240	6.3.	0800-	+ <b>USA: WEBQ Harrisburg IL.</b> "The Pioneer Voice of Southern Illinois, ... 1240 WEBQ Harrisburg". AIH
1270	27.12.10	1200-	USA: KNWC Sioux Falls SD. KIV/K
1340	7.1.08	1100	USA: KUOW Tumwater WA. LEM255/HAT
1390	12.12.10	0645-	USA: KLTX Long Beach CA. "Nueva Vida.com". PEH
1400	9.1.08	1200	USA: KVTO Berkeley CA. LEM255/HAT
1440	6.3.	0900-	USA: KMAJ Topeka KS. AIH
1450	19.3.	0600-	+ <b>USA: WQNT Charleston SC.</b> Naapurin roiskeista erottui selvästi "Charleston, South Carolina" ja helposti tunnistettava "Fox Sports News goooooo". AIH
1450	9.1.08	1145	+ <b>USA: KVML Sonora CA.</b> LEM255/HAT
1450	7.1.08	0850-1050	USA: KCLX Colfax WA. "Palouse Country". LEM255/HAT
1460	12.12.10	0645-	USA: KLTC Dickinson ND. Mukavaa kantria. PEH
1550	6.3.	0700-	USA: KICS Hastings NE. Tuplaid KXP:n kanssa ESPN:n tauolla. Nyt mars purkamaan itäpäättä metsätöiden tieltä. Aamukahvikin pysyy jo kupissa koska kädet eivät enää tärise eilisen (13.5.) Venäjä-pelin jäljiltä ja pulssikin on alle 200. AIH

#### Etelä-Amerikka

1190.1	16.4.	0135-	<i>PRU: Tentative: R Tawantinsuyo, Cusco.</i> Useina öinä huhtikuussa myös tämä, merkataan täppilistalle elokuuksi (idattu Ruotsissa)- taajuus [1190.068v]. Muita UNIDiksi jääneitä perulaisia mm. 1130, 1240 (toinen Liderin ohella), 1350 (1349.84), mutta näiden höyläys piti lopettaa kesäkiireiden painaessa päälle. TK
1430	15.4.	0259-	B: Radio Caiari, Porto Velho, RO. Kovalevyn kevätsiivousta. Tämä on ruotsalaisten mukaan kuulunut koko kevään tässä tarkasti taajuudella 7 Hz yli, vaikka

1520	30.3.	0330-	moni on saattanut epäillä Clubea. Tämäkin lähettää öisin Com a Mãe Aparecida -ohjelmaa, mutta idi on ainakin tässä 3utc kohdassa. Kuuluu parhaiten Etelä Perun kelillä, mikä on helppo sijainnistakin päätellä. [1430.007]. TK B: ZYH635 Rádio Regional de Ipú. Tämä kuulunut pitkin kevättä, paremmin maalisk. lopussa ja mm ainakin vielä 8.5.Ex Rádio Araripe ja kuulemma noston tehonsa n. 4-5 Kw:iin. Huono modulaatio, joka tuntuu huonontuneen kevään kuluessa - mutta tämäkin lähettää jo netissä <a href="http://www.radioregionaldeipu.com.br/">http://www.radioregionaldeipu.com.br/</a> - pitäiskö meidän lopettaa tämä mw:n tahkoaminen? Taajuus on laskenut, oli alkuun vähän yli, sittemmin [1519.997]. TNX INFO HK&Co! TK
1540	29.4.	0125-	PRU: Radio Milenio Universal, Arequipa. Tämä on kuulunut pari kertaa TurboMix:n tilalla tai sen kanssa. Taajuus on aivan TurboMixin yläpuolella eli [1540.002]. Ruotsalaisten mukaan Cerro de Pascon aseman olisi alapuolella n. .94. TNX info FD & HK! TK
1640	5.5.	0100-0200 +	<b>PRU: Radio Onda Cero, Chamaca - Cusco Dept.</b> Aseman Skandinaavisille kuuntelijoille suunnattu erikoislähetys ei myöhäisen ajankohdan ja kelien vuoksi tainnut kuulua lainkaan, mutta tuli sitä ennen heikosti. Muuten tätä on kuultu pitkin Eurooppaa aika usein. Aseman erottaa myös "pulputtavasta modulaatiosta" joka tuntuu olevan aika tyypillinen perulaisille. 5.5. pahasti häirittyinä - ilm. Don Bosco oli hieman ylempänä - muutamana muuna aamuina heikosti, mutta häiriöttä. Tämä on pysynyt stabiilisti taajuudellaan [1640.009]. TNX HLP HK & FD! /Edit 6.6: Aseman uusi nimi: Radio Kalikanto / Kalikanto Radio (sehän on melkein suomalainen nimi!)/. TK
3310	13.5.	0125-0131	BOL: R Mosoj Chaski. PS/P
	3.6.	0050-0105	- Kuuluu yleensä huomattavasti paremmin USB:llä. PS/P
4796	13.5.	2355-0215	BOL: R Lipez. Mukavaa toivemusaohjelmaa. PS/P
	4.6.	2345-0005	- Mainoksiakin tuntuu kertyvän kohtuullisesti turvaamaan tämän aseman kuulumista kesäöiden ilona. PS/P
4845.2	5.6.	2350-0000	B: Ondas Tropicais. PS/P
4865	30.5.	0125-0200	BOL: Tentative: R Logos, Santa Cruz. Puheohjelmaa espanjaksi. TTR
4865	12.5.	0147-	B: R Verdes Florestas, Cruz do Sul. TTR
4878.7	27.5.	0148-	B: R Difusora Roraima, Boa Vista. TTR
4915	28.4.	2145-	B: Radio Daqui, Goiânia, GO. "...Rádio Daqui AM 1230 kHz, Goiânia, Goiás, uma emissora da Organização Jaime Câmara". VMA
	2.6.	0005-0012	- PS/P
4955	4.6.	0010-0121	PRU: R Cultural Amauta. Kuului aika heikosti, lopetti kesken puheen. Taajuus tuntuu olevan usein jonkin pörisijän alla. PS/P
4985	2.6.	0015-	B: R Brasil Central. Kuului paremmin 11815:llä. PS/P
5910	31.5.	0255-	CLM: Alcaraván Radio, Puerto Lleras. TTR

5939.9	2.6.	0015-0030	B: R Voz Missionaria, Camboriú. Jäi FS-aseman alle 0030. PS/P
5952.5	14.5. 15.5.	-0227 2350-0030	BOL: R Pio Doce, Siglo Veinte. Loppukuulutus. TTR - Kuuluu varsin hyvin kanavien välissä. Ketsuankielisestä ohjelmasta ei aina saa yhtä helposti selkoa. PS/P
6080	28.5.	0206-	B: R Daqui, Goiania. TTR
6080	2.6.	0040-0105	B: R Marumby / Novas de Paz. Käyttää myös laulu-IDtä. PS/P
11749.9	1.6.	2055-	B: R Voz Missionária, Camboriú, SC. ID mm. 2103 UTC. Nimellistaajuus 11750 kHz, mutta oli alempana. JTS

<p><b>EURONEWS</b>  <b>Compiled by</b>  <b>Jarmo Patala</b></p>
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**GERMANY**

May 25, 2011- The American Forces Network Europe (AFNE) is adjusting its radio broadcast signals to help State German officials hosting a huge outdoor multi-concert bash, Hessentag. German telecommunications officials asked AFN to temporarily turn off the 873 AM transmitter in June because heavy car traffic will be routed by the normally remote AFN radio transmitter on the way to a newly created field parking lot. Workers also need time to set up and take down concert stages, lights and temporary buildings, and they are bringing in cranes to do it. The Hessentag festivities and concerts run June 10-19 in Oberursel, Germany.

"Our German neighbors asked us to temporarily turn off our 873 AM Power Network transmitter in Central Germany for concerts with Linkin Park, Bryan Adams, the Scorpions and scores of others," says AFN Europe Commander Colonel Bill Bigelow, "During that time, we'll broadcast to our American audience in Wiesbaden on 1143 AM from another location."

While 1143 AM's 1,000-watts of power will reach Americans stationed in Wiesbaden, the temporary transmitter doesn't have the reach of AFN's 150,000-watt transmitter in Weiskirchen, which reaches American commuters in Frankfurt, Darmstadt, Hanau and Giessen. AFN Europe will put 873 AM back on the air July 1st. WellenreiterBN via mw dx yg (27/5-2011) MW Info

Germany's international broadcaster Deutsche Welle (DW) today announced major changes in its methods of distribution. From the start of the winter transmission period B11, daily output on shortwave will be reduced from the current 260 hours to 55 hours. The remaining shortwave broadcasts will be directed to Africa and parts of Asia. As a result of these cuts, the shortwave relay stations in Trincomalee (Sri Lanka) and Sines (Portugal) will be closed. Here follows the full official DW press release in English:

Starting July 1, 2011, Deutsche Welle (DW) will be making major changes in how and when its radio programming is broadcast in Asia and Europe, as well as German radio programming as a whole. The measures will ensure the further development of Germany's international broadcaster to a truly multimedia organization.

As stipulated in the organization's strategic plan for 2010-2013, DW will focus on modern modules that can be integrated into partner's FM line-ups as well as being offered as stand-alone, on-demand services for the Internet and mobile devices. DW will thereby increase the cooperation with its partners throughout the world. With the exception of Africa and parts of Asia, linear shortwave broadcasts will be discontinued due to limited usage. The resources that have been saved will be reinvested in projects for the future – especially in the development of television services with

regional languages and content, as well as an increase in online and mobile services.

DW will aim to use its available resources to offer two TV channels per region. This will give viewers the opportunity to choose between a channel with predominantly German programming and a channel with a focus on one of the regional languages – English, Spanish or Arabic.

In the future, DW will work with partner stations in Central and Southeast Europe to broadcast regional TV magazines and produce online services – each in the regional language. Starting July 1, 2011, the FM services for Bulgarian, Greek, Croatian, Macedonian and Romanian will be reduced and eventually discontinued.

The frequencies that were purchased or rented in Sofia, Bucharest, Pristina and Tirana will be returned, as well as the corresponding licences. The FM broadcasts for Albanian, Bosnian and Serbian will be reduced. In the future, these services will focus on selected partnerships with local FM stations. A service in Romani will be maintained for the time being. For Ukraine, DW is currently examining whether or not an agreement can be made with a partner to broadcast a reduced amount of FM radio programming that has been tailored to fit their needs. Radio programming for Hindi will be discontinued on July 1.

#### Reduction of shortwave

On November 1, 2011, DW will be discontinuing the shortwave broadcast for German, Russian, Farsi and Indonesian. For English, the shortwave broadcast will be limited to Africa. The broadcasting times for Chinese programming will be reduced from 120 minutes to 60 minutes. For these languages, DW will also be increasing the online and mobile services as well as video-on-demand and audio-on-demand. The portfolio will also include audio productions for rebroadcast by partners (when applicable).

Starting in November, DW will only be broadcasting radio programming via shortwave in the following languages: Amharic, Chinese, Dari, English and French for Africa, Hausa, Kiswahili, Pashtu, Portuguese for Africa and Urdu.

#### Closing of relay stations

The shortwave programme currently broadcasts 260 hours daily with DW's own or rented relay stations – with the new focus on Africa and regions in Asia that will be reduced to just 55 at the beginning of the winter season. Only the relay station in Kigali (Rwanda) will be needed for shortwave broadcasts in Africa. The stations in Trincomalee (Sri Lanka) and Sines (Portugal) can no longer be used to capacity. The financial operation is no longer possible and the relay stations will stop being used on November 1, 2011 and closed at the next possible point in time.

With the reduction of rental prices and the closing of the two relay stations, DW will be able to save resources that can be reinvested in the further development of its services.

#### RNW Media network

##### **NETHERLANDS**

In the month of June Radio Waddenzee/Seagull transmits from the sea, the Waddenzee actually, near the bird island Griend. Reports are coming in that reception at the UK coast is good, also reception in Holnd is better then normal. All due to the salt water gain. Waddenzee is in Dutch until 17.00 UTC, followed by Seagull in English. Ruud, The Netherlands (2/6-2011) MW Info

1008 - Dutch Christian broadcaster GrootNieuwsRadio has replaced its transmitter. This has improved the audio quality on 1008 kHz. Together with a panel of listeners the station has tested different settings of the AM transmitter, and the result is better sound quality. The CEO of GrootNieuwsRadio Nico Schipper says: "The range and quality of the signal have improved. That means our listeners in the Netherlands and Belgium can properly receive us, and the audio is a lot more pleasant to listen to". The station says that the commissioning of a more modern transmitter is one step in improving the quality of what it offers. It says it's also investing to improve the quality of the programming.

(Source: GrootNieuwsRadio) (May 18th, 2011, by Andy Sennitt, RNMW) ARC Info desk

Radio Netherlands Worldwide was surprised on Tuesday evening by an unconfirmed report from commercial news broadcaster RTL TV that government cuts to Radio Netherlands Worldwide will leave the Netherlands' international service with less than a quarter of its budget.



In response to the reports, RNW Director General Jan Hoek says "If this is so, it appears decisions are being taken without due care. I can't imagine this happening."

Earlier today, RNW announced plans to substantially slim down its Dutch-language service. The proposed savings in the management plans amount to 10 million euros, roughly 20 percent of the media organisations' budget. The proposed package is entitled "Free Speech, Dutch Values".

The new plans outlay a shift in focus towards providing news and information to regions where press freedom is limited. Dutch-language programming would be largely scrapped, keeping only RNW's function as an emergency broadcasting station in the event of disasters for Dutch nationals abroad.

RTL says its sources are close to the Dutch government, which is due to take decisions on public broadcasting funding in general soon. Changes in the funding of Radio Netherlands Worldwide will be part of a raft of measures.

At the moment Radio Netherlands receives 46 million euros every year for its activities, which currently include providing news and information to Dutch nationals abroad, acting as an emergency broadcasting station in case of international disasters, informing people in regions where press freedom is limited and presenting a realistic and

balanced view of the Netherlands. RNW Media network

### **PORTUGAL**

Portuguese public broadcaster RDP confirmed yesterday it is temporarily suspending its shortwave transmissions as of 1 June because of the low number of listeners and as a means of cutting costs. RDP said it would be reviewing the service to see whether it would go back on air at a later date. Listeners around the world can still follow their favourite programmes via satellite, cable and Internet.

The Portuguese broadcaster said it is "just one of many global broadcasters who are reducing or closing their SW transmissions". RNW Media network

### **UKRAINE**

On May 25, Ukrainian service of Radio Ukraine International was closed. All mentions of the service have been already removed from NRCU's web site. Other language services of RUI have to be on the air, though RUI audio stream <<http://89.187.1.165/NRCU4>> seems to not work. Source: <<http://www.unian.net/ukr/news/news-437747.html>> (Aleksandr Diadishev-UKR, dxld May 26) Topnews



## **ASIAN-OCEANIAN NEWS**

**compiled by Jari Savolainen**  
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**CHINA:** Xizang PBS Tibetan Sce has replaced 5240 kHz with 6025 kHz. Zhengzhou PBS Women's Sce transmits on 792 kHz in parallel with FM 88.9 MHz (May update WRTH)

**ISRAEL:** Kol Israel B channel from Acre is now on 1206 kHz 10 kW, ex 927 kHz 50 kW and Acre

Arabic channel is on 738 kHz 10 kW, ex 1206 kHz 50 kW. Eilat 927 kHz has been closed. Yavne Arabic channel on 1080 kHz will be upgraded to 100 kW (May updates WRTH)

**MALAYSIA:** RTM Sarawak has started operation on 6100 kHz (May updates WRTH)

**PAKISTAN:** Azad Kashmir R is operating on 3975 kHz via a new 100 kW transmitter in Islamabad between 0045-0425, 0900-1215, 1330-1815. The 10 kW transmitter in Rawalpindi on 4790 has been closed (May updates WRTH)

**SRI LANKA:** SLBC has stopped operation in Irattaperiyakulam on 855 kHz (May updates WRTH)

**ANTARCTICA:** R Nacional Arcangel San Gabriel is back on the air Mon-Fri 1230-1500 on 15476 kHz (May updates WRTH). According to

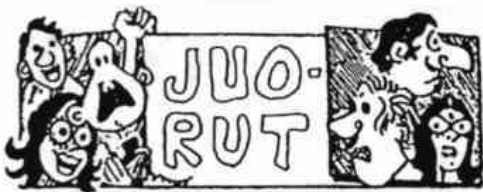
Scaglione in DXLD, station is running 2 kW at the moment.

**KIRIBATI:** R Kiribati operates now on 1440 kHz with new transmitter, ex-846 kHz (May updates WRTH )

**NORTHERN MARIANA ISLANDS:** KKMP Saipan started broadcasting in December on 1440 kHz and 92.1 MHz, web <http://cnmiradio.com/> (various sources)

**SOURCES:**

WRTH – World Radio TV Handbook wrth.com



**Hannu Tikkanen (HAT), Espoo**

Muutama NA-lokaus avustuksena pitkästä aikaa! Asemat ovat löytäneet jommallakummalla puolella vajaan 3 vuoden mittaiseksi venähtänyttä inaktiviteettiani, eli oli jo aika saada nämä lisälokaukset liikenteeseen!

## **CUBA. Medium Wave Rearrangement Plan, 2009-1**

v.1.1 *Mauricio Molano, Salamanca, España. April 2011. via Distance*

“EcuRed. Conocimiento con todos y para todos” (EcuRed. Knowledge with all and for all). This is the slogan of this Cuban style "wikipedia". Hidden inside it there are very valuable data about the current state of broadcasting in the island, as well as interesting articles on some of the Cuban local radio stations, like Radio Ciudad Bandera (Cárdenas) for example:

[http://www.ecured.cu/index.php/Radio\\_Ciudad\\_Bandera](http://www.ecured.cu/index.php/Radio_Ciudad_Bandera)

But undoubtedly the most interesting matter from our point of view is the article about RadioCuba: *"RadioCuba, currently (2009) guarantees the airing of more than one hundred national, provincial and local radio stations, the national TV networks and provincial and local telecentres. It has a network with more than 1000 transmitters located in places that offer coverage to a large part of Cuban territory. It is a company that updates and rearranges constantly the national broadcasting network."*

In 2002 began the installation of Chinese transmitters for the remodeling and rearrangement of the Cuban medium wave broadcasting network. The equipment installed at that time consisted of TESLA tube transmitters with 20 years of use, NEC units with 30 years as well as others with even more years of use. The objective was to increase the number of services broadcasted from each "Centro Transmisor de Onda Media" (CTOM, Medium Wave Transmitting Centre) while decreasing the number of CTOM. To achieve this, the necessary equipment to allow multiple transmitters share the same antenna was installed: diplexers (2 tx.), triplexers (3 tx.) and tetraplexers (4 tx.).

The contract for the design and manufacture of such devices in the first phase of renovation, was awarded to China's SBL (Shanghai Broadcasting Laboratory). During the commissioning of facilities some design problems arose on the Chinese diplexers and triplexers and RADIOCUBA was forced to modify in situ several of them, in order to successfully complete the facilities. From the second contract an agreement was achieved with the Chinese to retain the design in Cuban hands while the manufacturing by the Chinese company SBL. That way the corresponding to the second and third contract were installed and those of the fourth were designed. In addition, there are articles with very detailed descriptions of some of these CTOM and the calculations required for the design of its di-triplexers:

[http://www.ecured.cu/index.php/Ancho\\_de\\_banda\\_de\\_diplexer\\_y\\_triplexer\\_de\\_AM](http://www.ecured.cu/index.php/Ancho_de_banda_de_diplexer_y_triplexer_de_AM)

[http://www.ecured.cu/index.php/Diplexer\\_del\\_CTOM\\_Villa\\_Clara\\_Progreso](http://www.ecured.cu/index.php/Diplexer_del_CTOM_Villa_Clara_Progreso)

[http://www.ecured.cu/index.php/Triprefixer\\_del\\_CTOM\\_Santa\\_Mar%C3%ADa,\\_SC](http://www.ecured.cu/index.php/Triprefixer_del_CTOM_Santa_Mar%C3%ADa,_SC)

And, the icing on the cake!: we can find the list of MW transmitters on the island after the reorganization plan. The most complete and detailed list that has fallen into our hands for years. Keep in mind that shows the status of the Cuban network in 2009. From then until now there have been changes, starting with the creation of two new provinces, born from the split La Habana one: Artemisa and Mayabeque. This has led to the emergence of two new provincial stations: Radio Mayabeque (the old Radio Güines, elevated in the rank and using more transmitters) and Radio Artemisa, which already existed as local radio station and now has been risen in the rank too. As a result, the transmitters of Radio Cadena Habana have been trespassed to the new provincial stations. In the CTOM of Artemisa, Radio Artemisa (local) and Radio Cadena Habana (prov.) shared the antenna: one on 1320 with 1kw, the other on 1000 kHz with 10 kw. Now, Radio Artemisa is heard and is announcing only 1000 kHz. So the tx. on 1320, or has been switched off or is one of those who have been recently detected outside the plan (1230 Progreso, 1620 another Rebelde... who knows!). That list is below, firstly ordered by broadcasting centers, then by frequency. I have introduced the changes according to the new territorial distribution, so it shows the new provinces and CTOM included on them, and the changes of use of some transmitters.

The information regarding the Santiago de Cuba's province is a bit confusing because the original data comes from a JPG graphic that seems to have its origin in a FAX not very well received. In the same province, in the Mayarí Arriba CTOM (diplexed with R. Reloj 880?) a municipal station appears on 1460 kHz that I have been unable to identify as it is not mentioned in radiocubana.cu directory nor in the webs of local stations of that province.

#### **by CTOM:**

<b>KHz</b>	<b>kw Provincia CTOM EMISORA</b>
1320	1 ARTEMISA ARTEMISA R.ARTEMISA(*)
1000	10 ARTEMISA ARTEMISA R.ARTEMISA
1180	10 ARTEMISA ARTEMISA R.REBELDE
670	10 CAMAGÜEY C.BRASIL R.REBELDE
1180	10 CAMAGÜEY C.BRASIL R.REBELDE
710	25 CAMAGÜEY CAMAGÜEY-1 R.REBELDE
910	25 CAMAGÜEY CAMAGÜEY-1 R.C.AGRAMONTE
950	10 CAMAGÜEY CAMAGÜEY-2 R.RELOJ
630	5 CAMAGÜEY CAMAGÜEY-2 R.PROGRESO
1140	1 CAMAGÜEY CAMAGÜEY-2 R.ENCICLOPEDIA
1180	50 CAMAGÜEY CAMAGÜEY-3 R.REBELDE
670	10 CAMAGÜEY CAMAGÜEY-3 R.REBELDE
1180	50 CIEGO ÁVILA CHAMBAS-1 R.REBELDE
890	200 CIEGO ÁVILA CHAMBAS-2 R.PROGRESO
710	200 CIEGO ÁVILA CHAMBAS-3 R.REBELDE
560	10 CIEGO ÁVILA CIEGO ÁVILA-1 R.REBELDE
820	10 CIEGO ÁVILA CIEGO ÁVILA-1 R.RELOJ
1180	1 CIEGO ÁVILA CIEGO ÁVILA-1 R.REBELDE
650	10 CIEGO ÁVILA CIEGO ÁVILA-2 R.PROGRESO
930	10 CIEGO ÁVILA CIEGO ÁVILA-2 R.SURCO
670	5 CIEGO ÁVILA MORÓN R.REBELDE
1140	25 CIEGO ÁVILA MORÓN R.REBELDE

1140 10 CIENFUEGOS AGUADA R.REBELDE  
1350 10 CIENFUEGOS AGUADA R.Cdad.DEL MAR  
930 1 CIENFUEGOS CIENFUEGOS R.RELOJ  
1180 1 CIENFUEGOS CIENFUEGOS R.REBELDE  
610 1 CIENFUEGOS CIENFUEGOS R.REBELDE  
1340 10 CIENFUEGOS PALMIRA R.Cdad.DEL MAR  
750 10 CIENFUEGOS PALMIRA R.PROGRESO  
1180 5 CIENFUEGOS TULIPÁN R.REBELDE  
1550 5 CIENFUEGOS TULIPÁN R.REBELDE  
950 10 Cdad. de la HABANA ARROYO ARENAS-1 R.RELOJ  
670 50 Cdad. de la HABANA ARROYO ARENAS-1 R.REBELDE  
1180 10 Cdad. de la HABANA ARROYO ARENAS-2 R.REBELDE  
820 10 Cdad. de la HABANA ARROYO ARENAS-2 R.CDAD.DE LA HABANA  
1180 50 Cdad. de la HABANA GUANABACOA-1 R.REBELDE  
640 50 Cdad. de la HABANA GUANABACOA-1 R.PROGRESO  
1620 5 Cdad. de la HABANA GUANABACOA-2 R.REBELDE  
980 2,5 Cdad. de la HABANA L. CRUZ R.COCO-CMCK  
1180 10 Cdad. de la HABANA SANTA CATALINA EMERG.  
1550 5 Cdad. de la HABANA SANTA CATALINA EMERG.  
670or710 5 Cdad. de la HABANA SANTA CATALINA EMERG.  
530 10 Cdad. de la HABANA V. MARÍA R.ENCICLOPEDIA(\*\*)  
1080 5 Cdad. de la HABANA V. MARÍA R.CADENA HABANA  
910 5 Cdad. de la HABANA V. MARÍA R.METROPOLITANA  
1150 10 GRANMA BUEYCITO R.BAYAMO  
610 10 GRANMA BUEYCITO R.REBELDE  
870 10 GRANMA BUEYCITO R.RELOJ  
1140 1 GRANMA MEDIA LUNA R.BAYAMO  
1260 2,5 GRANMA MEDIA LUNA R.PROGRESO  
1000 5 GRANMA MEDIA LUNA R. GRANMA  
1160 1 GRANMA PILÓN R.BAYAMO  
920 1 GRANMA PILÓN R.PROGRESO  
570 1 GRANMA PILÓN R.REBELDE  
870 10 GUANTÁNAMO BARACOA R.RELOJ  
1020 10 GUANTÁNAMO BARACOA R.TRINCHERA ANTI.  
810 10 GUANTÁNAMO GUANTÁNAMO-1 R.PROGRESO  
590 10 GUANTÁNAMO GUANTÁNAMO-1 R.REBELDE  
1070 10 GUANTÁNAMO GUANTÁNAMO-1 R.TRINCHERA ANTI.  
960 10 GUANTÁNAMO GUANTÁNAMO-2 R.RELOJ  
1550 1 GUANTÁNAMO GUANTÁNAMO-2 R.REBELDE  
1620 1 GUANTÁNAMO GUANTÁNAMO-3 R.REBELDE  
1180 1 GUANTÁNAMO GUANTÁNAMO-3 R.REBELDE  
530 1 GUANTÁNAMO GUANTÁNAMO-3 R.REBELDE  
1250 1 GUANTÁNAMO IMÍAS R.TRINCHERA ANTI.  
1180 1 GUANTÁNAMO MABUJABO R.REBELDE  
720 2,5 GUANTÁNAMO MABUJABO R.PROGRESO  
580 2,5 GUANTÁNAMO MABUJABO R.REBELDE  
1170 10 GUANTÁNAMO MAISÍ R.TRINCHERA ANTI.  
540 10 GUANTÁNAMO MAISÍ R.REBELDE  
1180 1 HOLGUÍN BANES R.REBELDE  
1300 1 HOLGUÍN BANES R.ANGULO  
1180 50 HOLGUÍN CACOCÚM R.REBELDE  
710 50 HOLGUÍN CACOCÚM R.REBELDE  
670 10 HOLGUÍN EL COCO R.REBELDE  
790 10 HOLGUÍN HOLGUÍN R.RELOJ  
1110 10 HOLGUÍN HOLGUÍN R.ANGULO  
1100 1 HOLGUÍN MAYARÍ R.ANGULO  
1490 1 HOLGUÍN MAYARÍ R.MAYARÍ  
1180 1 HOLGUÍN MOA R.REBELDE  
980 1 HOLGUÍN MOA R.RELOJ  
820 1 HOLGUÍN MOA R.PROGRESO  
1180 5 HOLGUÍN SAGUA DE TÁNAMO R.REBELDE  
740 10 HOLGUÍN SAGUA DE TÁNAMO R.ANGULO  
600 50 HOLGUÍN SAN GERMÁN R.REBELDE  
900 50 HOLGUÍN SAN GERMÁN R.PROGRESO  
1220 10 ISLA JUVENTUD LA FE R.CARIBE  
730 10 ISLA JUVENTUD LA FE R.PROGRESO  
1180 5 ISLA JUVENTUD NUEVA GERONA R.REBELDE

850 1 ISLA JUVENTUD NUEVA GERONA R.RELOJ  
1310 1 ISLA JUVENTUD NUEVA GERONA R.ENCICLOPEDIA  
1180 1 ISLA JUVENTUD NUEVA GERONA (EMERG.)  
1090 1 LAS TUNAS AMANCIO R.VICTORIA  
1450 1 LAS TUNAS AMANCIO R.MABOAS  
1180 1 LAS TUNAS PUERTO PADRE R.REBELDE  
1350 1 LAS TUNAS PUERTO PADRE R.LIBERTAD  
1050 10 LAS TUNAS VICTORIA DE LAS TUNAS-1 R.VICTORIA  
770 10 LAS TUNAS VICTORIA DE LAS TUNAS-1 R.REBELDE  
640 10 LAS TUNAS VICTORIA DE LAS TUNAS-2 R.PROGRESO  
1020 10 LAS TUNAS VICTORIA DE LAS TUNAS-2 R.RELOJ  
670 10 LAS TUNAS VICTORIA DE LAS TUNAS-3 R.REBELDE  
1180 10 LAS TUNAS VICTORIA DE LAS TUNAS-3 R.REBELDE  
670 5 MATANZAS CIRCUNVALACIÓN R.REBELDE  
1140 5 MATANZAS CIRCUNVALACIÓN R.REBELDE  
1550 5 MATANZAS CIRCUNVALACIÓN R.REBELDE  
1180 25 MATANZAS COLÓN R.REBELDE  
620 25 MATANZAS COLÓN R.REBELDE  
670 1 MATANZAS CÁRDENAS-1 R.ENCICLOPEDIA  
1550 5 MATANZAS CÁRDENAS-1 R.REBELDE  
1140 1 MATANZAS CÁRDENAS-1 R.CIUDAD BANDERA  
1180 5 MATANZAS CÁRDENAS-2 R.REBELDE  
1060 25 MATANZAS JOVELLANOS R.26  
660 12 MATANZAS JOVELLANOS R.PROGRESO  
860 5 MATANZAS JOVELLANOS R.RELOJ  
1320 1 MATANZAS LA JAIBA R.26  
930 1 MATANZAS LA JAIBA R.RELOJ  
1180 5 MATANZAS LA JAIBA R.REBELDE  
1180 200 MATANZAS MARTÍ R.RELOJ  
710 200 MATANZAS MARTÍ R.REBELDE  
1180 10 MAYABEQUE GÜINES R.REBELDE  
1040 10 MAYABEQUE GÜINES R.MAYABEQUE  
1450 1 MAYABEQUE GÜINES R.MAYABEQUE  
590 25 MAYABEQUE LA JULIA (Batabanó) R.MUSICAL NAC.  
710 50 MAYABEQUE LA JULIA (Batabanó) R.REBELDE  
1140 25 MAYABEQUE LA SALUD R.MAYABEQUE  
1180 10 MAYABEQUE STA.CRUIZ DEL NORTE R.REBELDE  
670 5 PINAR DEL RÍO BAHÍA HONDA R.REBELDE  
1020 5 PINAR DEL RÍO BAHÍA HONDA R.GUAMÁ  
1180 5 PINAR DEL RÍO BAHÍA HONDA R.REBELDE  
760 10 PINAR DEL RÍO GUANE R.PROGRESO  
1070 10 PINAR DEL RÍO GUANE R.GUAMÁ  
610 10 PINAR DEL RÍO GUANE R.REBELDE  
1180 10 PINAR DEL RÍO LA PALMA R.REBELDE  
710 10 PINAR DEL RÍO LA PALMA R.GUAMÁ  
670 1 PINAR DEL RÍO LOS PALACIOS R.REBELDE  
970 5 PINAR DEL RÍO LOS PALACIOS R.GUAMÁ  
1180 10 PINAR DEL RÍO LOS PALACIOS R.REBELDE  
670 1 PINAR DEL RÍO PINAR DEL RÍO R.REBELDE  
550 12 PINAR DEL RÍO PINAR DEL RÍO-1 R.REBELDE  
880 12 PINAR DEL RÍO PINAR DEL RÍO-1 R.PROGRESO  
1180 10 PINAR DEL RÍO PINAR DEL RÍO-1 R.REBELDE  
790 25 PINAR DEL RÍO PINAR DEL RÍO-2 R.RELOJ  
990 25 PINAR DEL RÍO PINAR DEL RÍO-2 R.GUAMÁ (a 1000?)(\*\*\*)  
1000 PINAR DEL RÍO ? R.GUAMÁ (de 990?)(\*\*\*)  
1180 1 PINAR DEL RÍO SAN CRISTÓBAL R.REBELDE  
1180 1 PINAR DEL RÍO SANTA LUCÍA R.REBELDE  
1050 1 PINAR DEL RÍO SANTA LUCÍA R.GUAMÁ  
670 1 PINAR DEL RÍO SANTA LUCÍA R.REBELDE  
870 1 SANCTI SPÍRITUS SANCTI SPÍRITUS-1 R.RELOJ  
1210 10 SANCTI SPÍRITUS SANCTI SPÍRITUS-1 R.SANCTI SPÍRITUS  
1180 1 SANCTI SPÍRITUS SANCTI SPÍRITUS-2 R.REBELDE  
940 1 SANCTI SPÍRITUS SANCTI SPÍRITUS-2 R.PROGRESO  
540 1 SANCTI SPÍRITUS SANCTI SPÍRITUS-2 R.REBELDE  
1190 1 SANCTI SPÍRITUS TRINIDAD R.SANCTI SPÍRITUS  
610 1 SANCTI SPÍRITUS TRINIDAD R.RELOJ  
970 1 SANCTI SPÍRITUS TRINIDAD R.REBELDE

850	1 SANCTI SPÍRITUS TRINIDAD R.PROGRESO
710	1 SANCTI SPÍRITUS YAGUAJAY R.REBELDE
1200	1 SANCTI SPÍRITUS YAGUAJAY R.SANCTI SPÍRITUS
1550	1 SANCTI SPÍRITUS YAGUAJAY R.REBELDE
1190	10 STGO. DE CUBA CHIVIRICO R.CORAL/CMKC-R.REV
760	? STGO. DE CUBA MAYARÍ ARRIBA R.PROGRESO
1180	? STGO. DE CUBA MAYARÍ ARRIBA R.REBELDE
950	? STGO. DE CUBA MAYARÍ ARRIBA CMKC-R.REVOLUCIÓN
880?	? STGO. DE CUBA MAYARÍ ARRIBA-2 R.RELOJ
1460	? STGO. DE CUBA MAYARÍ ARRIBA-2 EM ?
1520	? STGO. DE CUBA PALMA SORIANO EM.-R.BARAGUÁ
840	10 STGO. DE CUBA PALMA SORIANO CMKC-R.REVOLUCIÓN
650	5(?) STGO. DE CUBA STGO. DE CUBA-1 R.REBELDE
890	? STGO. DE CUBA STGO. DE CUBA-1 CMKC-R.REVOLUCIÓN
1160	? STGO. DE CUBA STGO. DE CUBA-1 R.ENCICLOPEDIA
600	5 STGO. DE CUBA STGO. DE CUBA-2 R.PROGRESO
930	STGO. DE CUBA STGO. DE CUBA-2 R.RELOJ
1280	? STGO. DE CUBA STGO. DE CUBA-2 R.MAMBÍ
1550	1 VILLA CLARA SAGUA LA GRANDE R.REBELDE
1180	10 VILLA CLARA SAGUA LA GRANDE R.REBELDE
1400	1 VILLA CLARA SAGUA LA GRANDE R.SAGUA
570	25 VILLA CLARA SANTA CLARA-1 R.RELOJ
710	50 VILLA CLARA SANTA CLARA-1 R.REBELDE
1180	10 VILLA CLARA SANTA CLARA-2 R.REBELDE
840	10 VILLA CLARA SANTA CLARA-2 CMHW
1140	10 VILLA CLARA SANTA CLARA-3 R.REBELDE
690	10 VILLA CLARA SANTA CLARA-3 R.PROGRESO
670	50 VILLA CLARA SANTA CLARA-4 R.REBELDE
1550	10 VILLA CLARA SANTA CLARA-4 R.REBELDE
1620	- ? ? R.REBELDE

**by Frequency:**

<b>KHz</b>	<b>kw Provincia CTOM EMISORA</b>
530	1 GUANTÁNAMO GUANTÁNAMO-3 R.REBELDE
530	10 Cdad. de la HABANA V. MARÍA R.ENCICLOPEDIA
540	10 GUANTÁNAMO MAISÍ R.REBELDE
540	1 SANCTI SPÍRITUS SANCTI SPÍRITUS-2 R.REBELDE
550	12 PINAR DEL RÍO PINAR DEL RÍO-1 R.REBELDE
560	10 CIEGO ÁVILA CIEGO ÁVILA-1 R.REBELDE
570	1 GRANMA PILÓN R.REBELDE
570	25 VILLA CLARA SANTA CLARA-1 R.RELOJ
580	2,5 GUANTÁNAMO MABUJABO R.REBELDE
590	10 GUANTÁNAMO GUANTÁNAMO-1 R.REBELDE
590	25 MAYABEQUE LA JULIA (Batabanó) R.MUSICAL NAC.
600	50 HOLGUÍN SAN GERMÁN R.REBELDE
600	5 STGO. DE CUBA STGO. DE CUBA-2 R.PROGRESO
610	1 CIENFUEGOS CIENFUEGOS R.REBELDE
610	10 GRANMA BUEYCITO R.REBELDE
610	10 PINAR DEL RÍO GUANE R.REBELDE
610	1 SANCTI SPÍRITUS TRINIDAD R.RELOJ
620	25 MATANZAS COLÓN R.REBELDE
630	5 CAMAGÜEY CAMAGÜEY-2 R.PROGRESO
640	50 Cdad. de la HABANA GUANABACOA-1 R.PROGRESO
640	10 LAS TUNAS VICTORIA DE LAS TUNAS-2 R.PROGRESO
650	10 CIEGO ÁVILA CIEGO ÁVILA-2 R.PROGRESO
650	5(?) STGO. DE CUBA STGO. DE CUBA-1 R.REBELDE
660	12 MATANZAS JOVELLANOS R.PROGRESO
670	10 CAMAGÜEY C.BRASIL R.REBELDE
670	10 CAMAGÜEY CAMAGÜEY-3 R.REBELDE
670	50 Cdad. de la HABANA ARROYO ARENAS-1 R.REBELDE
670	5 Cdad. de la HABANA SANTA CATALINA EMERG.
670	5 CIEGO ÁVILA MORÓN R.REBELDE
670	10 HOLGUÍN EL COCO R.REBELDE
670	10 LAS TUNAS VICTORIA DE LAS TUNAS-3 R.REBELDE
670	1 MATANZAS CÁRDENAS-1 R.ENCICLOPEDIA
670	5 MATANZAS CIRCUNVALACIÓN R.REBELDE
670	5 PINAR DEL RÍO BAHÍA HONDA R.REBELDE
670	1 PINAR DEL RÍO LOS PALACIOS R.REBELDE

670 1 PINAR DEL RÍO PINAR DEL RÍO R.REBELDE  
670 1 PINAR DEL RÍO SANTA LUCÍA R.REBELDE  
670 50 VILLA CLARA SANTA CLARA-4 R.REBELDE  
690 10 VILLA CLARA SANTA CLARA-3 R.PROGRESO  
710 25 CAMAGÜEY CAMAGÜEY-1 R.REBELDE  
710 200 CIEGO ÁVILA CHAMBAS R.REBELDE  
710 50 HOLGUÍN CACOCÚM R.REBELDE  
710 200 MATANZAS MARTÍ R.REBELDE  
710 50 MAYABEQUE LA JULIA (Batabanó) R.REBELDE  
710 10 PINAR DEL RÍO LA PALMA R.GUAMÁ  
710 1 SANCTI SPÍRITUS YAGUAJAY R.REBELDE  
710 50 VILLA CLARA SANTA CLARA-1 R.REBELDE  
720 2,5 GUANTÁNAMO MABUJABO R.PROGRESO  
730 10 ISLA JUVENTUD LA FE R.PROGRESO  
740 10 HOLGUÍN SAGUA DE TÁNAMO R.ANGULO  
750 10 CIENFUEGOS PALMIRA R.PROGRESO  
760 10 PINAR DEL RÍO GUANE R.PROGRESO  
760 ? STGO. DE CUBA MAYARÍ ARRIBA R.PROGRESO  
770 10 LAS TUNAS VICTORIA DE LAS TUNAS-1 R.REBELDE  
790 10 HOLGUÍN HOLGUÍN R.RELOJ  
790 25 PINAR DEL RÍO PINAR DEL RÍO-2 R.RELOJ  
810 10 GUANTÁNAMO GUANTÁNAMO-1 R.PROGRESO  
820 10 Cdad. de la HABANA ARROYO ARENAS-2 R.CDAD.DE LA HABANA  
820 10 CIEGO ÁVILA CIEGO ÁVILA-1 R.RELOJ  
820 1 HOLGUÍN MOA R.PROGRESO  
840 10 STGO. DE CUBA PALMA SORIANO CMKC-R.REVOLUCIÓN  
840 10 VILLA CLARA SANTA CLARA-2 CMHW  
850 1 ISLA JUVENTUD NUEVA GERONA R.RELOJ  
850 1 SANCTI SPÍRITUS TRINIDAD R.PROGRESO  
860 5 MATANZAS JOVELLANOS R.RELOJ  
870 10 GRANMA BUEYCITO R.RELOJ  
870 10 GUANTÁNAMO BARACOA R.RELOJ  
870 1 SANCTI SPÍRITUS SANCTI SPÍRITUS-1 R.RELOJ  
880 12 PINAR DEL RÍO PINAR DEL RÍO-1 R.PROGRESO  
880? ? STGO. DE CUBA MAYARÍ ARRIBA-2 R.RELOJ  
890 200 CIEGO ÁVILA CHAMBAS R.PROGRESO  
890 ? STGO. DE CUBA STGO. DE CUBA-1 CMKC-R.REVOLUCIÓN  
900 50 HOLGUÍN SAN GERMÁN R.PROGRESO  
910 25 CAMAGÜEY CAMAGÜEY-1 R.C.AGRAMONTE  
910 5 Cdad. de la HABANA V. MARÍA R.METROPOLITANA  
920 1 GRANMA PILÓN R.PROGRESO  
930 10 CIEGO ÁVILA CIEGO ÁVILA-2 R.SURCO  
930 1 CIENFUEGOS CIENFUEGOS R.RELOJ  
930 1 MATANZAS LA JAIBA R.RELOJ  
930 STGO. DE CUBA STGO. DE CUBA-2 R.RELOJ  
940 1 SANCTI SPÍRITUS SANCTI SPÍRITUS-2 R.PROGRESO  
950 10 CAMAGÜEY CAMAGÜEY-2 R.RELOJ  
950 10 Cdad. de la HABANA ARROYO ARENAS-1 R.RELOJ  
950 ? STGO. DE CUBA MAYARÍ ARRIBA CMKC-R.REVOLUCIÓN  
960 10 GUANTÁNAMO GUANTÁNAMO-2 R.RELOJ  
970 5 PINAR DEL RÍO LOS PALACIOS R.GUAMÁ  
970 1 SANCTI SPÍRITUS TRINIDAD R.REBELDE  
980 2,5 Cdad. de la HABANA L. CRUZ R.COCO-CMCK  
980 1 HOLGUÍN MOA R.RELOJ  
990 25 PINAR DEL RÍO PINAR DEL RÍO-2 R.GUAMÁ (a 1000?)  
1000 10 ARTEMISA ARTEMISA R.ARTEMISA  
1000 5 GRANMA MEDIA LUNA R. GRANMA  
1000 PINAR DEL RÍO ? R.GUAMÁ (de 990?)  
1020 10 GUANTÁNAMO BARACOA R.TRINCHERA ANTI.  
1020 10 LAS TUNAS VICTORIA DE LAS TUNAS-2 R.RELOJ  
1020 5 PINAR DEL RÍO BAHÍA HONDA R.GUAMÁ  
1040 10 MAYABEQUE GÜINES R.MAYABEQUE  
1050 10 LAS TUNAS VICTORIA DE LAS TUNAS-1 R.VICTORIA  
1050 1 PINAR DEL RÍO SANTA LUCÍA R.GUAMÁ  
1060 25 MATANZAS JOVELLANOS R.26  
1070 10 GUANTÁNAMO GUANTÁNAMO-1 R.TRINCHERA ANTI.  
1070 10 PINAR DEL RÍO GUANE R.GUAMÁ

1080 5 Cdad. de la HABANA V. MARÍA R.CADENA HABANA  
1090 1 LAS TUNAS AMANCIO R.VICTORIA  
1100 1 HOLGUÍN MAYARÍ R.ANGULO  
1110 10 HOLGUÍN HOLGUÍN R.ANGULO  
1140 1 CAMAGÜEY CAMAGÜEY-2 R.ENCICLOPEDIA  
1140 25 CIEGO ÁVILA MORÓN R.REBELDE  
1140 10 CIENFUEGOS AGUADA R.REBELDE  
1140 1 GRANMA MEDIA LUNA R.BAYAMO  
1140 1 MATANZAS CÁRDENAS-1 R.CIUDAD BANDERA  
1140 5 MATANZAS CIRCUNVALACIÓN R.REBELDE  
1140 25 MAYABEQUE LA SALUD R.MAYABEQUE  
1140 10 VILLA CLARA SANTA CLARA-3 R.REBELDE  
1150 10 GRANMA BUEYCITO R.BAYAMO  
1160 1 GRANMA PILÓN R.BAYAMO  
1160 ? STGO. DE CUBA STGO. DE CUBA-1 R.ENCICLOPEDIA  
1170 10 GUANTÁNAMO MAISÍ R.TRINCHERA ANTI.  
1180 10 ARTEMISA ARTEMISA R.REBELDE  
1180 10 CAMAGÜEY C.BRASIL R.REBELDE  
1180 50 CAMAGÜEY CAMAGÜEY-3 R.REBELDE  
1180 10 Cdad. de la HABANA ARROYO ARENAS-2 R.REBELDE  
1180 50 Cdad. de la HABANA GUANABACOA-1 R.REBELDE  
1180 10 Cdad. de la HABANA SANTA CATALINA EMERG.  
1180 1 CIEGO ÁVILA CIEGO ÁVILA-1 R.REBELDE  
1180 50 CIEGO ÁVILA CHAMBAS R.REBELDE  
1180 1 CIENFUEGOS CIENFUEGOS R.REBELDE  
1180 5 CIENFUEGOS TULIPÁN R.REBELDE  
1180 1 GUANTÁNAMO GUANTÁNAMO-3 R.REBELDE  
1180 1 GUANTÁNAMO MABUJABO R.REBELDE  
1180 1 HOLGUÍN BANES R.REBELDE  
1180 50 HOLGUÍN CACOCÚM R.REBELDE  
1180 1 HOLGUÍN MOA R.REBELDE  
1180 5 HOLGUÍN SAGUA DE TÁNAMO R.REBELDE  
1180 5 ISLA JUVENTUD NUEVA GERONA R.REBELDE  
1180 1 ISLA JUVENTUD NUEVA GERONA (EMERG.)  
1180 1 LAS TUNAS PUERTO PADRE R.REBELDE  
1180 10 LAS TUNAS VICTORIA DE LAS TUNAS-3 R.REBELDE  
1180 5 MATANZAS CÁRDENAS-2 R.REBELDE  
1180 25 MATANZAS COLÓN R.REBELDE  
1180 5 MATANZAS LA JAIBA R.REBELDE  
1180 200 MATANZAS MARTÍ R.RELOJ(\*\*\*\*)  
1180 10 MAYABEQUE GÜINES R.REBELDE  
1180 10 MAYABEQUE STA.CRUIZ DEL NORTE R.REBELDE  
1180 5 PINAR DEL RÍO BAHÍA HONDA R.REBELDE  
1180 10 PINAR DEL RÍO LA PALMA R.REBELDE  
1180 10 PINAR DEL RÍO LOS PALACIOS R.REBELDE  
1180 10 PINAR DEL RÍO PINAR DEL RÍO-1 R.REBELDE  
1180 1 PINAR DEL RÍO SAN CRISTÓBAL R.REBELDE  
1180 1 PINAR DEL RÍO SANTA LUCÍA R.REBELDE  
1180 1 SANCTI SPÍRITUS SANCTI SPÍRITUS-2 R.REBELDE  
1180 ? STGO. DE CUBA MAYARÍ ARRIBA R.REBELDE  
1180 10 VILLA CLARA SAGUA LA GRANDE R.REBELDE  
1180 10 VILLA CLARA SANTA CLARA-2 R.REBELDE  
1190 1 SANCTI SPÍRITUS TRINIDAD R.SANCTI SPÍRITUS  
1190 10 STGO. DE CUBA CHIVIRICO R.CORAL/CMKC-R.REV  
1200 1 SANCTI SPÍRITUS YAGUAJAY R.SANCTI SPÍRITUS  
1210 10 SANCTI SPÍRITUS SANCTI SPÍRITUS-1 R.SANCTI SPÍRITUS  
1220 10 ISLA JUVENTUD LA FE R.CARIBE  
1230 - ? ? R.PROGRESO(+)  
1250 1 GUANTÁNAMO IMÍAS R.TRINCHERA ANTI.  
1260 2,5 GRANMA MEDIA LUNA R.PROGRESO  
1280 ? STGO. DE CUBA STGO. DE CUBA-2 R.MAMBÍ  
1300 1 HOLGUÍN BANES R.ANGULO  
1310 1 ISLA JUVENTUD NUEVA GERONA R.ENCICLOPEDIA  
1320 1 ARTEMISA ARTEMISA R.ARTEMISA  
1320 1 MATANZAS LA JAIBA R.26  
1340 10 CIENFUEGOS PALMIRA R.Cdad.DEL MAR  
1350 10 CIENFUEGOS AGUADA R.Cdad.DEL MAR



1350	1 LAS TUNAS PUERTO PADRE R.LIBERTAD
1400	1 VILLA CLARA SAGUA LA GRANDE R.SAGUA
1450	1 LAS TUNAS AMANCIO R.MABOAS
1450	1 MAYABEQUE GÜINES R.MAYABEQUE
1460	? STGO. DE CUBA MAYARÍ ARRIBA-2 EM ?
1490	1 HOLGUÍN MAYARÍ R.MAYARÍ
1520	? STGO. DE CUBA PALMA SORIANO EM.-R.BARAGUÁ
1550	5 Cdad. de la HABANA SANTA CATALINA EMERG.
1550	5 CIENFUEGOS TULIPÁN R.REBELDE
1550	1 GUANTÁNAMO GUANTÁNAMO-2 R.REBELDE
1550	5 MATANZAS CÁRDENAS-1 R.REBELDE
1550	5 MATANZAS CIRCUNVALACIÓN R.REBELDE
1550	1 SANCTI SPÍRITUS YAGUAJAY R.REBELDE
1550	1 VILLA CLARA SAGUA LA GRANDE R.REBELDE
1550	10 VILLA CLARA SANTA CLARA-4 R.REBELDE
1620	5 Cdad. de la HABANA GUANABACOA-2 R.REBELDE
1620	1 GUANTÁNAMO GUANTÁNAMO-3 R.REBELDE
1620	- ? ? R.REBELDE(+)

*ABDCDE-1 The number points to a certain group of tx. sharing the same antenna in a certain CTOM.*

*(\*) Radio Artemisa's tx. possibly used now for another station or switched off.*

*(\*\*) originally listed as R. Rebelde.*

*(\*\*\*) Radio Guamá is heard on 1000 but is listed on 990. It may be a last-minute frequency change?*

*(\*\*\*\*) It seems a mistake. Probably is R. Rebelde.*

*(+) Not listed in the original plan. Heardby dxers.*

From the above listing turns out to be evident the enormous effort put in trying to block signals coming from the USA. Especially intense against Radio Martí-1180 (36 tx. listed) or WWFE-670 (14 tx.). We should add to this, perhaps, the tendency observed in recent times to not switch off the transmitters of local and regional stations that does not produce 24 hours of programming. Has been observed as some provincial stations remain on the air broadcasting the signal or Radio Rebelde or Radio Progreso. As a consequence, a local station that relays his provincial station at the end of his own programming, ends rebroadcasting a national station signal, causing the corresponding confusion between half the world's DXers. That way, Radio COCO (local station for La Habana) has been heard relaying RadioCadena Habana (provincial) and Radio Rebelde (national). Or Radio Mayabeque (provincial) rebroadcasting, at late night, the signal of Rebelde. I suppose this may be helped by the lesser consumption and better efficiency of all this new Chinese transmitters (and Canadian too, Nautel) installed in recent times. Our hope is that the author of the article in EcuRed updates it regularly with changes as they occur...

**Source: Base de datos plan de reordenamiento de OM, 2009-1, José Manuel León Palou, Radiocuba, Dirección Técnica, La Habana 2010, en EcuRed: <http://www.ecured.cu>**