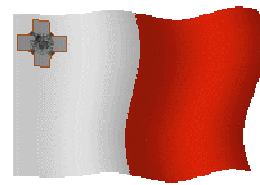


MARL



MALTA



Magazine by MARL

For Maltese and Gozitan
Radio Amateurs

Number 57

December 2010



Tpejjipx
No Smoking

Smoking is prohibited at the Centre

From the Editor

Friends,

I welcome you to another issue of this magazine for December 2010, which is issue 57 of this series.

First of all in my own name and on behalf of the Committee we wish a Merry Christmas and a Happy New Year to all **MARL** members and their families.

As always, the **MARL** emergency group took part in the tests that were held around the world to train in practice and procedure on working in an emergency if God forbid an emergency happens in Malta as well as to be able to help in passing messages.

The Committee always has a lot of wishes on what it wants to get for Maltese radio amateurs, but this always depends on the will of the authorities to accede to our requests. Can we say that St Nicholas is going to bring us something new during the coming year?



I would also like to take the occasion to remind you that in February we are going to hold the **MARL** Annual General Meeting during which there will also be the election for the new Committee. Therefore, while I take the opportunity to thank the present Committee, I wish all the best and work on behalf of radio amateurs to the new Committee.

This edition of the Magazine is longer than usual because there were a number of activities that were either organized by **MARL** or **MARL** took part in them and therefore you have a number of photos of these activities. More photos in the next Magazine.

These activities included taking part in the international emergency exercise, the Scouts Jamboree and Notte Bianca in Valletta City.

As always, I hope that you find the information in the magazine useful to you and if you have some article please leave it in my **QSL** box or you can send it to me on my e-mail **9h1av at searchmalta dot com**.

Lawrence

9H1AV/9H9MHR/9H79AV





Previously (Magazine 51 June 2010) I wrote about experiments being made by radio amateurs on very low frequencies of less than **9 kHz**. Today I also have news about these frequencies.

DK7FC who is using kites to put up an antenna for these frequencies has again been successful when on 23 October he succeeded in achieving excellent results with the greatest distance when he was heard by **EI8JK**, a distance of **1310 kilometres** away. The frequency used was **8.97 kHz**.

He then tried on a frequency of **6.470 kHz** as well as **5.170 kHz** and was heard by **SQ5BPF** where the distance between them was **904 kilometres**.

This is a table which shows the contacts that he has made.

1	Name/ Callsign	Locator	QRB / km	Band / km	Remarks	Date = 24.OCT.2010
2	Daniele Tincani	JN53EM	707	33		after 8th experiment
3	DD7PC	JN49AX	53	33/46/58		
4	DF6NM	JN59NK	179	33/46		
5	DF8ZR	JN49JV	16	33/46		
6	DF9PW	JN49FR71	35	33		List of positive receptions of transmissions by DK7FC on VLF by using a kite antenna (100m or 200m or 300m)
7	DJ2LF	JN59NO	176	33		
8	DJ6LB	JN59MM	171	33		
9	DJ8WX	JO43SV	461	33		
10	DK6NI	JN59LN	165	33		
11	DK7FC	JN49IK00	40	33/46/58		My /p locator: JN49IS36VH
12	DL3ZID	JO53PO	462	33/46		
13	DL4YHF	JO42FD	264	33/46		Bands: 8970 Hz / 33 km 6470 Hz / 46 km 5170 Hz / 58 km
14	EI8JK	IO51DN	1310	33	1.VLF ODX	
15	F1AFJ	JN06HT	683	33		
16	F5WK	JN18IP	454	33/46		
17	IK1QFK	JN34RW	544	33/46		
18	M0BMU	IO91VR	657	33/46		
19	Michael Oexner	JN49BF	72	33/46		
20	OE3GHB	JN88HL	594	33/46/58		
21	PA3CPM	JO22MD	367	33/46		
22	PA3FNY	JO22NC	360	33/46/58		
23	Paul Nicholson	IO83XQ	859	33/46/58	3. best VLF DX	
24	SQ5BPF	KO02MD	904	33/46/58	2. best VLF DX	

DK7FC has 4 webpages to show signals on these frequencies which are updated every 3 minutes.

http://www.iup.uni-heidelberg.de/schaefer_vlf/DK7FC_VLF_Grabber.html
for **8.97 kHz**

http://www.iup.uni-heidelberg.de/schaefer_vlf/DK7FC_VLF_Grabber2.html
for **6.47 kHz** and **ULF**





http://www.iup.uni-heidelberg.de/schaefer_vlf/DK7FC_LF_Grabber.html
for 137 kHz

http://www.iup.uni-heidelberg.de/schaefer_vlf/DK7FC_LF_DX_Grabber.html
for 137 kHz (very slow modes)

Further information may be found on <http://www.qrz.com/db/DK7FC>

Is there anyone in Malta who is ready to experiment on these frequencies by means of earth rods?

Lawrence
9H1AV/9H9MHR/9H79AV

 500 kHz

As regards this frequency I have news that now there is another country that has given permission to its radio amateurs to operate on this frequency up to 1 September 2011. This country is the **Czech Republic** where radio amateurs were given permission to operate between **501 kHz** and **503 kHz** with a power of **20 watts e.r.p.**

This means that in Region 1 there are now 11 countries that have authorized their radio amateurs to use this frequency. Therefore it's good to give you some information on the countries that have given an allocation to their radio amateurs.

Belgium: On 15 January 2008 **UBA** received notice from **BIPT** that the segment **501-504 kHz** is allocated on a secondary basis **CW** only (also **QRSS**) with a power of **5 Watts ERP**.

Croatia: Croatia issued experimental licenses so that radio amateurs can work between **493-510 kHz** on **CW** (June 2010) The license is for one year. But it will probably be renewed as happened in other countries

Czech Republic: A special license for an experimental beacon with callsign **OK0EMW** was issued and is valid until 13th August 2011. Frequency **505.06 kHz**, power **1 W ERP**. Additionally, permission has been granted to **OK2BVG** to operate between **501-504 kHz** using a maximum output of **20 W ERP**. This permission is valid until the 1st September 2011. Similar to other countries these licenses will probably be renewed.

Denmark: **OZ8NJ** received an experimental permit for **501-504 kHz** and **20 W ERP**.

Germany: Six experimental beacon stations are active on **505.1 kHz** with a power of **9 W ERP**. In a formal sense these beacons are experimental stations and not amateur stations although they are issued to radio amateurs.





Iceland: On February 19, 2010 The Post and Telecom Administration of Iceland granted a temporary experimental access to the **500 kHz** in Iceland. The permit is valid until December 31, 2010 but like other countries, there is no doubt that the permit will be renewed. Frequencies are between **493-510 kHz**. Access is granted on secondary basis **CW** only. Power of **100 W**. Application has to be made to the **PTA** for a special license. The experimental license is open to both “**N**” and “**G**” license classes.

Ireland: In June of 2009 the **IRTS** was granted a test license under which the Society could grant permission to operate on **501-504 kHz** to a limited number of applicants on the basis of expressions of interest from those concerned which were approved by the Regulator, the Commission for Communications Regulation (**ComReg**). This arrangement has now been extended until June 2011 and ten amateur stations have been granted permission under this arrangement using **CW** and **PSK31** with a maximum power of **10 dBW (10W)**.

Netherlands: Full license (**A**) amateurs can apply for an experimental permit to experiment on frequencies between **501-504 kHz** with a maximum power of **5 W EIRP** and a maximum bandwidth of **100 Hz**. The experiments started on 1 January 2010 and will continue for one year, but will probably be renewed.

Norway: **493-510 kHz** is allocated to the amateur service on a secondary basis with an output of **100 Watts**.

Sweden: Two stations, **SM6BHZ** and **SM6BGP**, have a special permit to transmit between **501 - 507 kHz** on a secondary basis. Maximum power is **20 W ERP**. In a formal sense these transmitters are experimental stations and not amateur stations. These two stations have a license till the end of 2011 but will probably be renewed.

United Kingdom: From 1 March 2009 the United Kingdom allows amateur activity between **501-504 kHz** with a maximum power of **+10 dBW (10W)**. A Notice of Variation is required. This agreement runs until the 29th February 2012 but they will probably be renewed.

I just came to know that now even **SPAIN** has given an allocation on this frequency. Six radio amateurs have just been granted permission to use this frequency, that is between **501 kHz to 504 kHz**, **ERP** of **5 Watts** and signal bandwidth less than **100 Hz**. These are **EA1AY, EA2HB, EA3CC, EA4BVZ, EA3WX and EA5DY**.

500 kHz allocations outside Region 1

Canada: In November 2008 **Industry Canada** has accepted an **RAC** proposal whereby selected Canadian radio amateurs would be permitted to operate in the vicinity of **500 kHz**. As of October 2009 the Developmental Service has issued licenses in the range **504-509 kHz**.

- **VE1ZZ** has been assigned **VX9PSO** on **504.6 kHz**
- **VO1NA** has been assigned **VX9MRC** on **507.77 kHz**





New Zealand: From 1 March, NZ Amateurs will have access to some of the spectrum that was previously used for Morse code communications with ships. Frequencies between **505 - 515 kHz** have been granted on a temporary basis until an international allocation to radio amateurs is made and includes some restrictions:

- These frequencies are, or may be, allocated for use by other services. Amateur operators must accept interference from, and must not cause interference to, such other services.
- Radiated power must not exceed **25 watts e.i.r.p.**
- The bandwidth of emissions must not exceed **200 Hz**

<http://www.nzart.org.nz/policies/2010-access-to-600m.html>

<http://www.rsm.govt.nz/cms/licensees/types-of-licence/general-user-licences/resolveuid/27701eb9150d4b9cf962ab3b3d2d7fe3>

USA: On 13 September 2006 about 20 stations were authorized for two years to experiment and research from **505 - 510 kHz** using narrowband modes at a power of **20 W ERP**. Another authorization for five stations permits experimentation and research between **505 - 515 kHz** at power levels of up to **200 W ERP**

On 28 July 2009 **FCC** gave a modified license to the **ARRL** so that more stations will be able to work on this frequency and thus the number became 45 stations. These are all from Alaska and Hawaii.

http://www.500kc.com/downloads/2009_0728%20WD2XSH%20FCC%20License%20Grant.pdf

It has now been agreed for the World Conference of the International Telecommunications Union that is going to be held in **2012** examines and approves that the radio amateur service be given an allocation of about **15 kHz** on these frequencies or better between **415-525.6 kHz**.

IARU is requesting an allocation between **495 kHz – 505 kHz** or between **415 kHz - 495 kHz** or **505 kHz – 525 kHz**.

The world conference **WRC-12** is 14 months away and we hope that it will give a world-wide allocation on this frequency because we have been promised that if this allocation is given the Malta Communications Authority **MCA** will not object that we will be given an allocation.

Lawrence

9H1AV/9H9MHR/9H79AV





5MHz

Croatia not only gave permission to its radio amateurs to use the **500 kHz** frequency, but also gave them permission to use the **5 MHz** frequency between **5.260 MHz – 5.410 MHz** and can use all modes. And Malta? We are always waiting.

Lawrence

9H1AV/9H9MHR/9H79AV

Help by Radio Amateurs

As you know the emergency group always train to be able to give their help if God forbid an emergency happens. This training is also held internationally so that they remain adjourned with the latest developments and if need be give their help in delivering messages for help.

As everyone knows, you can read as many books as you want because although you will learn the theory, you will not have any practise which is as important as the theory. The theory is important but practise is also important.





In fact, practise is so important that it is said that “an ounce of practise is worth a ton of theory”. To take an example, everyone knows how good he is on reading the morse code in class, but if he doesn't have any experience, the first time he goes on the air he will understand nearly nothing.

The last international exercise was held on Saturday 13 November and hereunder you have two photos of this operation. Thanks to **Ivan,9H1PI** for the photos.



Lawrence
9H1AV/9H9MHR/9H79AV

Internet Webpages

Here you have a few interesting webpages.

<http://www.worldofradio.com/>

World of Radio

http://www.mwlist.org/ul_login.php?sprache=en

MWLIST - worldwide longwave, mediumwave and TBL database

<http://www.eibi.de.vu/>

The current EiBi shortwave schedules (Winter 2010/2011)

Lawrence
9H1AV/9H9MHR/9H79AV





70 MHz

Today I am going to continue to give you the first contacts that were made on this frequency between different countries.

From Guernsey

Country	DXCC	Callsign	DX Callsign	Data	UTC	Prop	QSL
Belgium	ON	GU8FBO	ON5VW	2010-04-21	1628	MS	
Croatia	9A	MU0FAL	9A6R	2005-07-06	1721	Es	
Czech Rep	OK	GU8FBO	OK1KT	2008-04-17	1535	MSY	
Denmark	OZ	MU0FAL	OZ3ZW	2005-06-01	1225	Es	
Eire	EI	GC3OBN	EI2W	1964-09-13	1237	Bull Oct 64	
England	GU	GC3OBN	G5ZT	1964-02-27		Bull Apr 64	
Estonia	ES	GU6EFB	ES1CW	2010-05-27	1931	Es	
Faeroe Isl	OY	GU8FBO	OY3JE	2007-12-11	2320	MS	
Finland	OH	GU6EFB	OH1ND	2010-05-27	1906	Es	
Germany	DL	GU8FBO	DI2AL	2007-08-08	0410	MS	
Greece	SV	GU6EFB	SV2DCD	2008-05-23	1300		
Hungary	HA	GU6EFB	70M1YA HA1YA	2007-07-14	1709		
Isle of Man	GD	GC3WMR/P	GD2DZZ	1964-07-28		Pre GJ and GU	
Italy	I	GU8FBO	IK0IXI	2007-12-10	0852	MSY	
Jersey	GJ	GU3HFN/P	GJ3RAX	1981-07-04	1648		
				email from GJ3RAX to G3UBX			
Luxembourg	LX	GU8FBO	LX1FX	2008-04-18	1828	MS/T	
N Ireland	GI	GU3HFN/P	GI4ELQ/P	1981-07			
Norway	LA	GU8FBO	LA4LN	2010-04-21	1757	MS	
Portugal	CT	MU0FAL	CT1HZE	2006-05-21	1305		
San Marino	T7	GU6EFB	T70A	2010-06-20	1102	Es	
Sardinia	IS0	GU6EFB	IS0AWZ	2008-07-09	1302	Es	
Scotland	GM	GU3HFN	GM3WOJ/P	1978-01-22		Aur Bull Jul 80	
Slovakia	OM	GU6EFB	OM9ACA	2010-06-20	1423	Es	
Slovenia	S5	GU6AJE	S59F	2000-06-09			
Spain	EA	GU8EFB	EA1YV	2009-07-04	1942	Es	
Wales	GW	GB2CG	GW4CG	1964-09-05		SWM Oct 64	

From Hungary

Country	DXCC	Callsign	DX Callsign	Data	UTC	Prop	QSL
Croatia	9A	70M5PT HA5PT	9A1HCD	2007-07-01	0657		
Denmark	OZ	70M1YA HA1YA	OZ1DJJ	2007-06-30	2250		
Eire	EI	70M5PT HA5PT	EI3IO	2007-07-04	1805		
England	G	70M1YA HA1YA	G4DEZ	2007-06-30	2219		
Isle of Man	GD	70M5PT HA5PT	GD0TEP	2007-07-04	1815		
Italy	I	70M5PT HA5PT	IW0FFK	2007-07-27	0652	MS	
Greece	SV	70M1FV HA1FV	SV1DH	2007-07-01	1351	Es	
Guernsey	GU	70M1YA HA1YA	GU6EFB	2007-07-14	1709		
Hungary	HA	70M5HRK HA5HRK	70M8BI2 HA8BI/P	2007-06-30	2216		
Luxembourg	LX	70M1XY HA1XY	LX1JX	2007-07-14	1722	Es	
Madeira	CT3	70M5PT HA5PT	CT3HF	2007-07-05	1737		
N Ireland	GI	70M1YA HA1YA	GI0GDP	2007-07-15	1118		





Portugal	CT	70M1FV HA1FV	CT1HZE	2007-07-05	1656
Scotland	GM7	0M1YA HA1YAM	M5AJW	2007-07-10	2007
Slovenia	S5	70M1YA HA1YA	S51DI	2007-06-30	2200
Wales	GW	70M8BR HA8BR	GW8ASD	2007-07-04	1803

From Iceland

Country	DXCC	Callsign	DX Callsign	Data	UTC	Prop	QSL
England	G	TF3EA	G3JVL	1967-06-27			

From the Isle of Man

Country	DXCC	Callsign	DX Callsign	Data	UTC	Prop	QSL
Azores	CU	GD0TEP	CU8AO	2006-07-12	0851		
Channel Isl	GC	GD2HDZ	GC3WMR/P	1964-07-28			

Pre GJ and GU email from GJ3RAX to G3UBX

Crete	SV9	GD0TEP	SV9GPV	2009-06-24	1427		
Croatia	9A	GD0TEP	9A5AA	2006-07-07	1810	Es	
Czech Rep	OK	GD0TEP	OK1CO	2008-02-28	1514		
Denmark	OZ	GD0EMG	OZ3ZW	2003-08-10	1155	Es	
Eire	EI	GD3FOC	EI2W	1964-09-27			

Information from UKSMG

England	G	GB3CUW	G3PJK	1964-04-26			
Estonia	ES	GD0TEP	ES3RF	2008-02-14	2010	MS	
Faeroe Isl	OY	GD0TEP	OY3JE	2008-01-10	2300	MS	
Finland	OH	GD0TEP	OH5LID	2010-06-15	1028	Es	
Germany	DL	GD0TEP	DI2AL	2007-08-12		MS	
Greece	SV	GD0TEP	SV2DCD	2006-06-12	1747	Es	
Hungary	HA	GD0TEP	70M5PT HA5PT	2007-07-04	1815		
Italy	I	GD0TEP	I0WTD	2007-07-14	1636		
Luxembourg	LX	GD0TEP	LX1JX	2006-07-11	1743	Es	
Madeira	CT3	GD0TEP	CT3HF	2009-07-16	1421	Es	
N Ireland	GI	GB3CUW	GI3HXV	1964-04-26			Rad Com Oct 77
Norway	LA	GD0TEP	LC0VHF	2007-06-08	1858	MS	
Portugal	CT	GD0TEP	CT1HZE	2006-02-18	1424	MS	
Sardinia	GD	GD0TEP	IS0/IZ8DWF	2008-06-09	1039	Es	
Scotland	GM	GB3CUW	GM3FYB	1964-04-26			Bull Nov 65
Slovakia	OM	GD0TEP	OM5KM	2009-06-21	0920	Es	
Slovenia	S5	GD4GNH	S51DI	2001-04-01	0959	MS	
Spain	EA	GD0TEP	EA1YV	2008-11-28	1947	MS	
Wales	GW	GB3CUW	GW3MDY	1964-04-26			

From Italy

Country	DXCC	Callsign	DX Callsign	Data	UTC	Prop	QSL
Azores	CU	IW0FFK	CU4/DL3GCS	2010-07-07	1933	Es	
Balearic Isl	EA6	IK1EGC	EA6SX	2008-12-08	2344		
Belgium	ON	IK1EGC	ON5VW	2010-06-19	0859	MS	
Canary Isl	EA8	IW0FFK	EA8TX	2010-07-17	1713	Es	
Crete	SV9	IZ8DWF	SV9GPV	2007-10-06	1733	T	<u>Y</u>
Croatia	9A	IW0FFK	9A6R	2007-07-14	1401		<u>Y</u>
Czech Rep	OK	IK0BZY	OK1KT	2008-04-30	1733	MS	





Denmark	OZ	I0WTD	OZ1HUF	2007-07-14	1713		
Eire	EI	IW0FFK	EI3IO	2007-07-14	1541		<u>Y</u>
England	G	IW0FFK	G7CNF	2007-07-14	0604	MS	<u>Y</u>
Estonia	ES	I3VWK	ES3RF	2008-05-11	0426	MS	
Faeroe Isl	OY	IK1EGC	OY3JE	2008-05-24	1548	Es	
Germany	DL	I0WTD	I2AL	2007-08-08	1734		
Guernsey	GU	IK0IXI	GU8FBO	2007-12-10	0852	MSY	
Greece	SV	IZ5EME	SV1DH	2007-07-24	1613	Es	
Hungary	HA	IW0FFK	70M5PT HA5PT	2007-07-27	0652	MS	<u>Y</u>
Isle of Man	GD	I0WTD	GD0TEP	2007-07-14	1636		
Italy	I	IW0FFK	I0QM	2007-07-13	1102		
Luxembourg	LX	IW0FFK	LX1JX	2007-07-14	1554	Es	
N Ireland	GI	IW0FFK	GI0GDP	2007-07-14	1540		<u>Y</u>
Norway	LA	IW0FFK	LA4LN	2010-06-11	1157	Es	
Portugal	CT	IW0FFK	CT1HZE	2007-07-13	1200		
San Marino	T7	IK4PMB/4	T70A	2010-06-19	0915	Tr	
Sardinia	IS0	IK0SMG	IS0/IK0BZY	2007-09-10	1308		
Scotland	GM	I0WTDG	M4WJA	2007-07-14	1709		
Slovenia	S5	IV3YWT	S56Y	2007-07-14	0920		
SMOM	1A	I0JX	1A0KM	2007-07-12	1747		
Spain	EA	IK1EGC	EA1YV	2008-11-10	0530	MS	
Wales	GW	IW0FFK	GW8IZR	2007-07-14	1542		<u>Y</u>

From Jersey

Country	DXCC	Callsign	DX Callsign	Data	UTC	Prop	QSL
Balearic Isl	EA6	GJ4ISM/P	EA6SX	2009-08-12	0813	MS	
Czech Rep	OK	GJ4ISM/P	OK2POI	2009-08-11	2108	MS	
Denmark	OZ	GJ4ISM/P	OZ3ZW	2009-08-11	1847	MS	
Eire	EI	GJ3RAX	EI2CQ	1982-09-13	1945		
England	G	GJ3RAX	G3JEQ/P	1981-06-07	1244		
Estonia	ES	GJ4ISM/P	ES3RF	2009-08-12	2055	MS	
Faeroe Isl	OY	GJ4ISM/P	OY3JE	2009-08-12	0737	MS	
Germany	DL	GJ3YHU	DI2AL	2007-08-13	1030	MS	
Gibraltar	ZB2	GJ3RAX	ZB2BL	1981-08-16	1050		
Guernsey	GU	GJ3RAX	GU3HFN/P	1981-07-04	1648		
Isle of Man	GD	GJ3RAX	GD2HDZ	1982-09-28	1526		
Jersey	GJ	GJ3RAX	GJ3YUH	1981-03-15	1145		
N Ireland	GI	GC3POI/P	GI3PGG	1966-09-03	Aur Bull Nov 66		
Portugal	CT	GJ7DNI/A	CT1HZE	2007-06-13	1915	Es	
Scotland	GM	GC3POI/P	GM3EGW	1966-09-03	Aur Bull Nov 66		
Slovakia	OM	GJ4ISM/P	OM5KM	2009-08-12	2141	MS	
Slovenia	S5	GJ3YHU	S53X	1998-08-15		Es	
Spain	EA	GJ4ISM/P	EA1YV	2009-08-12	1035	MS	
Wales	GW	GJ3RAX	GW3XBY/P	1981-06-07	1335		

email from GJ3RAX to G3UBX





From Luxembourg

Country	DXCC	Callsign	DX Callsign	Data	UTC	Prop	QSL
Balearic Isl	EA6	LX1FX	EA6SX	2009-04-04	0910	MS	
Belgium	ON	LX1FX	ON4PS	2009-11-20		Tr	
Canary Isl	EA8	LX/ON5QRP	EA8/EA4SV	2009-07-01	1400	Es	
Crete	SV9	LX1FX	J49K	2008-05-23	1230	Es	
Croatia	9A	LX1JX	9A2ZH	2006-07-06	1901	Es	
Czech Rep	OK	LX1FX	OK1KT	2008-02-28	2306	MS	
Denmark	OZ	LX1JX	OZ2LD	2008-01-03	2150	MS	
Dodecanese	SV5	LX1FX	SV5BYR	2009-05-19	1536	Es	
Eire	EI	LX1JX	EI7IX	2006-07-07	1116	Es	
England	G	LX1JX	M0RRC/P	2006-07-02	0807	Tr	
Estonia	ES	LX1FX	ES3RF	2008-02-29	1635	MS	
Faeroe Isl	OY	LX1FX	OY3JE	2008-03-04	0900	MS	
Finland	OH	LX1FX	OH5LID	2009-11-26	1120	MS	
Germany	DL	LX1JX	DI2AL	2007-08-13	0530	MS	
Greece	SV	LX1JX	SV1OE	2006-07-06	1812	Es	
Guernsey	GU	LX1FX	GU8FBO	2008-04-18	1828	MS/T	
Hungary	HA	LX1JX	70M1XY HA1XY	2007-07-14	1722	Es	
Isle of Man	GD	LX1JX	GD0TEP	2006-07-11	1743	Es	
Italy	I	LX1JX	IW0FFK	2007-07-14	1554	Es	
Luxembourg	LX	LX1RT	LX2JM	2007-02-14		Tr	
Madeira	CT3	LX1JX	CT3HF	2006-07-20	1820	Es	
N Ireland	GI	LX1JX	GI0GDP	2006-08-01	1108	Es	
Norway	LA	LX1FX	LA4LN	2009-11-13	1303	MS	
Portugal	CT	LX1JX	CT1HZE	2006-07-01	1451	Es	
Sardinia	IS0	LX1FX	IS0AWZ	2008-05-20	1410	MS	
Scotland	GM	LX1JX	GM4ISM	2006-08-01	1111	Es	
Slovakia	OM	LX1FX	OM5KM	2009-06-12	1404	MS	
Slovenia	S5	LX1JX	S54M	2006-07-06	1859	Es	
Spain	EA	LX1FX	EA1YV	2008-11-08	1913	MS	
Wales	GW	LX1JX	2W0CDJ	2006-07-10	1334	Es	

These were a few contacts that were made for the first time between the mentioned countries which are found on the internet webpage <http://www.70mhz.org/index.php?categoryid=1> Next time I will give you more. And Malta as always we are still waiting. Ironically the Knights of Malta work on this frequency but we don't.

Lawrence

9H1AV/9H9MHR/9H79AV

Scouts Jamboree

As you know **MARL** has for a long time been taking part together with the Scouts in the Jamboree that they hold every year to communicate with other scouts around the world. This is not only useful for them to become acquainted with communicating, but also for some of them to take up the radio hobby. Hereunder you have some photos of this **MARL** participation together with the Scouts.





Ivan 9H1PI



Joe 9H1VW





Maurizio 9H5IT Joe 9H1VW



Thanks to Geoffrey E. Tanti (Dip. Surv.) and Ivan 9H1PI for the photos. Ivan 9H1PI





Illegal Stations

We frequently hear stations using frequencies that are our radio amateur frequencies and causing us interference. They are illegal because they would be using frequencies that are allocated to us.

IARU makes periodical reports and you can download the latest report from the following link <http://www.iarums-r1.org/iarums/latest.pdf>

The threat through the use of our frequencies is from around the world and on all the **HF** frequencies from **3.5 MHz** to **28 MHz**.

It's good to keep yourselves well informed and where you hear such stations make a report to **IARU** so that it will take the necessary steps to stop them because they do not only cause us interference and are illegal but are also a threat to our frequencies.

Lawrence

9H1AV/9H9MHR/9H79AV

Interesting webpages

Here you have two internet pages on old equipment.

<http://www.royalsignals.org.uk/raf.html>

<http://www.vk2bv.org/museum/index.htm>

SAQ on Christmas Eve

I have just received information about this station which is declared as world heritage by **UNESCO** because it is the only station in the world that still works and still uses an alternator to generate the frequency.

There is going to be a transmission on Christmas Eve 24 December at **08.00 UTC**. Its frequency is **17.2 kHz CW**. The transmitter is going to be started at **07.30** for tuning and testing.

Get ready early if you want to try to see if you can receive its signals, if possible record it and send a report to **info at alexander.n.se** to receive a **QSL** card.

From the first link you can download a small computer programme (26k) to listen for stations between **0-22kHz**. **** See Magazine 46 page 3 – 5.****

<https://sites.google.com/site/sm6lkm/saqr>

http://www.qsl.net/dl4yhf/speclab/vlf_rcvr.htm

http://www.vlf.it/parmigiani/saq_eng.htm

Lawrence

9H1AV/9H9MHR/9H79AV





Contacts 24 GHz

I wish to congratulate **Fortunato, 9H1ES** and **Joe, 9H1VW** for the contact that they have succeeded in making on the frequency of **24 GHz** on **SSB**. Today I am going to give you some information about this contact while photos will be in the next Magazine.

Fortunato 9H1ES was Valletta City while **Joe 9H1VW** was at Rabat. The distance between them was **9.58 kilometres**. Other contacts were made and details will be in the next issue of the Magazine.

9H1VW was using a **Yaesu FT290R** transceiver, a **Kuhne** transverter with an output of **350 microwatts**. Waveguide **MKU24**. Oscillator **Kuhne 12 GHz KU12LO** with **40 milliwatts** output. A **48 centimetre** dish with a gain of **36 dBd**.

I still do not have details on the equipment used by **Fortunato 9H1ES** and I am waiting for **Fortunato** to send me the details so that we will have the details of everyone's equipment.

While we congratulate them for this contact I encourage everyone so that whenever they succeed in doing something new to tell me so that I can put it in the Magazine so as to remain for history.

As I told you, next time I will give you some photos of this occasion.

Lawrence
9H1AV/9H9MHR/9H79AV

MARL Activities

Merry Christmas

The MARL Committee wishes a Merry Christmas to all the members and all Maltese and Gozitan radio amateurs and their families.

 **Annual Drinks** 

The MARL Committee is going to hold the annual drinks on Sunday 9 January 2011 from 10.00 to 12.00. The Committee wishes to invite all the members to gather together at the MARL Centre to have a drink together on the occasion of these festivities.



Happy New Year

The **MARL** Committee wishes a Happy New Year to all the members and to all Maltese and Gozitan radio amateurs and their families.

Membership Payment

We remind you that this is the last month of the year and the time has come for one to pay his/her membership to remain a **MARL** member. The Financial Secretary is always ready to accept your membership fee whenever the **MARL** Centre is open or if you cannot come pay by cheque payable to **MARL**

We remind you that the **MARL** Centre is open every Tuesday and Thursday between 6.00 p.m. and 8.00 p.m. and Sunday between 1-10.00 u and 12.00. The yearly drinks will be a good occasion for everyone to pay the membership fee.

Yahoo Group

Be attentive and become members in the yahoo group to be fully informed with the latest activities that we intend to hold.

Do not forget that we may have activities which may not be able to appear on this magazine because it may have already been issued and therefore the notice will be sent on the yahoo group.

Send an e-mail to Ivan, **9H1PI** ivan.privitera@gmail.com to become members in the group.

We remind you that whoever wants to can download the Magazine from www.9h1mrl.org/newsletter.htm

Lawrence
9H1AV/9H9MHR/9H79AV

