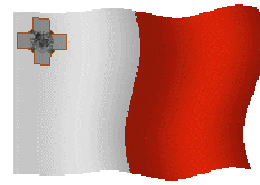


MARL



MALTA



Magazine by MARL

For Maltese and Gozitan
Radio Amateurs

Number 58

January 2011



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 58 of this series.

First of all I hope that everyone had a Merry Christmas and in my own name and on behalf of the **MARL** Committees wish everyone an New Year filled with everything they wish for.

In this Magazine issue you have photos as well as details on the activity on **24 GHz** that was made by our friends. I congratulate them and wish them success in other activities and also on higher frequencies.

Last time I gave you news about some new frequencies that were given to Spanish radio amateurs that although small they are just the same important because they show how other authorities take the initiative in favour of their radio amateurs and do not wait for some international conference to decide before they give them to their radio amateurs.

The **MARL** Committee has always worked so that we the Maltese and Gozitan radio amateurs will have more frequencies to communicate on, but as I have always told you this depends on the will of the authorities to meet our requests.

I also remind you about the **MARL** Annual General Meeting that is going to be held on Sunday 27 February and which there is also going to be the new Committee election. Therefore, I wish to take the occasion to thank the present Committee for its work while I wish all the best wishes and work for the Maltese and Gozitan radio amateurs to the new Committee.

I also remind you that to take part in the voting you have paid your membership which is **€25** before the meeting and it's good that you pay it before the annual drinks that I remind you is going to be held on Sunday 9 January 2011 from 10.00 in the morning to midday at the **MARL** Centre.

You also have further information about the **70 MHz** frequency as well as further information on the renewal of the permission for the Icelandic radio amateurs to continue working on **500 kHz, 5 MHz**, as well as on **70 MHz**. As usual in Malta we remain last in everything because the authorities do not want to take decisions as other countries authorities take.

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

8kHz

In the last Magazine I also wrote about the trials that are being made by **9H1ES** and **9H1BW** together with our friends on trials that they were making on a frequency of **24 GHz**.

In Magazine 51 of June 2010 as well as in the last Magazine I wrote about experiments that are being made by foreign radio amateurs in very low frequencies lower than **9 kHz**.

Therefore I encourage everyone to not only experiment on all the frequencies that we have but that they can experiment on these low frequencies similar to foreign radio amateurs with the difference that until the Maltese authorities wake from the slumber that they are in and give us permission to use antennas like foreign radio amateurs, to use earth rods inserted in the ground instead of an antenna.

Thus they would not be transmitting a radio frequency although on very low frequencies by means of an antenna, but they will be delivering their signals by means of the earth as a wire although with huge losses due to the high resistance between their stations.

Today there are many high power amplifiers that are used in vehicles that do not cost a lot of money and therefore it is easy to use them for these experiments.

Is there anyone in Malta ready to experiment on these frequencies by means of rods inserted in the ground?

Lawrence

9H1AV/9H9MHR/9H79AV

500 kHz

Toady we have more news about this frequency. Iceland continued with its permission to Icelandic radio amateurs to continue working on this frequency after the original permission was given on 19 February this year was going to expire at the end of this year. I remind you that Icelandic radio amateurs can work between **493-510 kHz** with a power of **100 Watts**.

5 MHz

I remind you that Icelandic radio amateurs were also granted permission to work on this frequency on 1 January 2008 which permission was to expire at the end of this year. Now the permission has been renewed for a further two years. They can work between **5.260-5.410 MHz**, **SSB** and **ĆW**, power of **100 watts**.

70 MHz

The permission for Icelandic radio amateurs to work on **70 MHz** had also been granted on 19 February this year and which was to expire at the end of this year. Now it has been renewed for a further two years. They can work between **70.000-70.200 MHz** with a power of 100 watts and maximum bandwidth of **16 kHz**.

Thanks to **Ivan**, **9H1PI** who passed this information from Jónas Bjarnason, **TF2JB** to me.

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 Hungary

Country	DXCC	Callsign	DX Call	Date	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	GM	70M1YA 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	Nom	Nom DX	Data	UTC	Prop	QSL
England	G	TF3EA	G3JVL	1967-06-27			

From Isle of Man

Country	DXCC	Nom	Nom DX	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	GD0EM	GOZ3ZW	2003-08-10	1155	Es	
Eire	EI	GD3FOC	EI2W	1964-09-27		Info 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	IS0	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	Nom	Nom DX	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	0554	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	I0WTD	GM4WJA	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 Jan Meven

Country	DXCC	Nom	Nom DX	Data	UTC	Prop	QSL
Nothing till now							

From Jersey

Country	DXCC	Nom	Nom DX	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	Nom	Nom DX	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	0635	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	

From Madeira

Country	DXCC	Nom	Nom DX	Data	UTC	Prop	QSL
Balearic Isl	EA6	CT3HF	EA6SX	2009-07-04	1516	Es	
Belgium	ON	CT3HF	ON4KHG	2010-06-12	1541	Es	
Canary Isl	EA8	CT3HF	EA8BPX	2009-07-05	0737	T	
Croatia	9A	CT3HF	9A6R	2009-06-02	1815	Es	
Czech Rep	OK	CT3HF	OK2POI	2009-07-16	1925	Es	
Denmark	OZ	CT3HF	OZ2OE	2010-06-12	1808	Es	
Eire	EI	CT3HF	EI3IO	2009-07-16	1923		
England	G	CT3HF	G0CHE	2006-07-16	1527	Es	
Germany	DL	CT3HF	DL3YEE	2009-06-02	1848	Es	
Greece	SV	CT3HF	SV1DH	2007-07-04	1740	Es	
Hungary	HA	CT3HF	70M5PT HA5PT	2007-07-05	1737		
Isle of Man	GD	CT3HF	GD0TEP	2009-07-16	1421	Es	
Luxembourg	LX	CT3HF	LX1JX	2006-07-20	1820	Es	
N Ireland	GI	CT3HF	GI4KSO	2009-07-16	1935	Es	

Norway	LA	CT3HF	LA4LN	2010-05-25	2314	Es
Portugal	CT	CT3HF	CT1HZE	2006-07-04	1146	Es
Sardinia	IS0	CT3HF	IS0AWZ	2010-06-12	1551	Es
Slovakia	OM	CT3HF	OM3CLS	2010-06-12	1858	Es
Slovenia	S5	CT3HF	S51DI	2006-07-10	1837	Es
Spain	EA	CT3HF	EA1GCN	2009-07-04	1359	Es
Wales	GW	CT3HF	MW0HMV	2009-07-04	1521	Es

From Monaco

Country	DXCC	Nom	Nom DX	Data	UTC	Prop	QSL
England	G	3A/OZ2M	G3SHK	2009-09-15	0146	MS	
Greece	SV3	A2MG	SV1OH	2010-07-07	1505	Es	

From Northern Ireland

Country	DXCC	Nom	Nom DX	Data	UTC	Prop	QSL
Andorra	C3	GI3HCG	PX1RI	1968-06-24	2137		
Bull Aug 68 - cross-band?							
Azores	CU	CU8AO	GI4KSO	2009-06-20	1951	Es	
Balearic Isl	EA6	GI0GDP	EA6SX	2009-07-03	1604		
Canary Isl	EA8	GI4KSO	EA8BPX	2009-07-16	1917	Es	
Crete	SV9	GI4KSO	SV9GPV	2007-06-06	1639	Es	
Croatia	9A	GI0GDP	9A3AB	2004-06-15			
Czech Rep	OK	GI4KSO	OK2POI	2008-05-25	1139		
Denmark	OZ	GI4KSO	OZ3ZW	2003-07-22	0955	Es	
Eire	EI	GI3HXV	EI2W	1962-02-10		Bull Mar 62	
England	GJ	GI3HXV	G3OHH	1961-10-28		Aur Bull Dec 61 p300	
Estonia	ES	GI4KSO	ES1II/8	2008-05-24	1509	Es	
Faeroe Isl	OY	GI4KSO	OY9JD	2007-08-13	1047	MS	
Finland	OH	GI4KSO	OH2BGN	2009-12-14	1015	MS	
Germany	DL	GI4KSO	DI2AL	2007-08-08	2051	MS	
Gibraltar	ZB2	GI3PDD	ZB2VHF	1967-06-11		Bull Jul 67	
Greece	SV	GI0GDP	SV1OE	2006-06-04	1309	Es	
Guernsey	GU	GI4ELQ/P	GU3HFN/P	1981-07			
Hungary	HA	GI0GDP	70M1YA HA1YA	2007-07-15	1118		
Isle of Man	GD	GI3HXV	GD3CUW	1963-03-26		Bull Oct 77	
Italy	I	GI0GDP	IW0FFK	2007-07-14	1540		
Jersey	GJ	GI3PGG	GC3POI/P	1966-09-03		Aur Bull Nov 66	
Luxembourg	LX	GI0GDP	LX1JX	2006-08-01	1108	Es	
Madeira	CT3	GI4KSO	CT3HF	2009-07-16	1935	Es	
Norway	LA	GI4KSO	LC0VHF	2007-06-09	0658	MS	
Portugal	CT	GI4KSO	CT1HZE	2006-05-21	1200	Es	
San Marino	T7	GI4KSO	T70A	2010-06-20	1040	Es	
Sardinia	IS0	GI0GDP	IS0/IZ8DWF	2008-06-04	1242	Es	
Scotland	GM	GI3HXV	GM3EGW	1961-10-29		Bull Dec 61 p300	
Slovakia	OM	GI4KSO	OM3TRN	2009-06-21	0733	Es	
Slovenia	S5	GI4KSO	S54M	1999-07-04	0938		
SMOM	1A	GI4KSO	1A0KM	2007-07-21	1022	Es	
Spain	EA	GI4KSO	EA1YV	2008-12-13	2100	MS	
Wales	GW	GI3HXV	GW3RUF/P	1965-05-01		Bull Oct 77	

From Norway

Country	DXCC	Nom	Nom DX	Data	UTC	Prop	QSL
Åland	OH0	LA4LN	OH5LID/0	2010-07-14	1200	MS	
Croatia	9A	LA4ANA	9A1Z	2009-11-14	1846	MS	
Czech Rep	OK	LA4LN	OK1KT	2009-11-12	2358	MS	<u>Y</u>
Denmark	OZ	LC0VHF	OZ3ZW	2007-06-08	2051	MS	
Eire	EI	LC0VHF	EI2IP	2007-06-09	0715	MS	

England	G	LC0VHF	G4DEZ	2007-06-08	1834	MS	
Estonia	ES	LA4LN	ES3RF	2009-11-14	2145	MS	<u>Y</u>
Faeroe Isl	OY	LA4ANA	OY3JE	2009-11-07	1412	MS	
Finland	OH	LA9DFA	OH3UW	2009-11-17	1755	MS	
Germany	DL	LA4ANA	DI2PM	2009-11-07	1340	MS	
Greece	SV	LA4LN	SV1DH	2010-05-25	1654	Es	
Guernsey	GU	LA4LN	GU8FBO	2010-04-21	1757	MS	<u>Y</u>
Isle of Man	GD	LC0VHF	GD0TEP	2007-06-08	1858	MS	
Italy	I	LA4LN	IW0FFK	2010-06-11	1157	Es	
Luxembourg	LX	LA4LN	LX1FX	2009-11-13	1303	MS	<u>Y</u>
Madeira	CT3	LA4LN	CT3HF	2010-05-25	2314	Es	
N Ireland	GI	LC0VHF	GI4KSO	2007-06-09	0658	MS	
Portugal	CT	LA4YGA	CT1DHM	2010-05-27		Es	
Sardinia	IS0	LA4LN	IS0AWZ	2010-07-04	1004		
Scotland	GM	LC0VHF	GM4ISM	2007-06-08	2112	MS	
Slovakia	OM	LA4LN	OM5KM	2009-11-13	0135	MS	<u>Y</u>
Slovenia	S5	LC0VHF	S51DI	2007-06-09	0253	MS	
Spain	EA	LA4YGA	EA1YV	2010-05-27	1926	Es	
Svalbard & Bear Isl.	JW	LA4LN	JW7QIA	2010-07-01			
Wales	GW	LC0VHF	GW8IZR	2007-06-08	1722	MS	

Latest News on 27.11.2010 OE5QL beacon will continue operation in 2011 with the same conditions. The Czech Republic has renewed its permission for radio amateurs to continue using this frequency.

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.

Satellita zghira ġdida



The University of Southern California has just launched a small satellite on 8 December. Its call sign is **KJ6FIX** and it has a radio beacon that is transmitting on a **UHF** frequency.

Frequency: 437.6 MHz
 Power: 900 milliwatts
 Antenna: Quad Monopole
 Modulation: AFSK
 Modulation frequency: 1200 baud

Reports to [caerus at astronautics.usc.edu](mailto:caerus@astronautics.usc.edu) will be appreciated.

Further information may be found on <http://www.isi.edu/projects/serc/caerus>

Lawrence
9H1AV/9H9MHR/9H79AV

Internet Webpages

<http://reast.asn.au/optical.php>

Radio and Electronics Club of Southern Tasmania (For those who want to communicate by laser)

For those who want to go below **10 kHz**

<http://rescueelectronics.com/9-Kilohertz.html>

W1VLF 9 Kilohertz Experiment Page

<http://www.qrz.com/db/DK7FC>

VLF

<http://sites.google.com/site/g3xbmqrp/Home/10khz>

G3XBM VLF

Lawrence

9H1AV/9H9MHR/9H79AV

Contacts on 24 GHz

As I told you in the last Magazine, today you have photos of the operation on the **24 GHz** frequency that our friends **Fortunato 9H1ES** and **Joe 9H1VW** together with other radio amateurs have carried out.

Previous operation



Joe 9H1VW



Joe 9H1VW



Mark 9H1BN, Maurizio 9H5IT



Maurizio 9H5IT

These are some of the details of the work of our friends on **24 GHz**.

Equipment on 24 GHz

Date: 5 December 2010
Place: In-Nadur Ghawdex
Operator: 9H1ES
Temperature: 19°C
Wind: Light force 3
Equipment: transverter Kuhne Electronic K-band MKU 24 GC
Antenna: Parabolic dish with sub-reflector with back feed
Frequency: 24.050,200 GHz
Power: 360 microwatts
Oscillator: crystal, oven controlled, with multiplier
Stability: fairly good
IF: Yaesu FT290 MKII
Mode: SSB and FM
Signals: 59
Distance: 18.5 kilometres

During the contact while **Joe, 9H1VW** was on the air, I had a single reflection calculated at **160 degrees** from the maximum lobe while turning the parabolic antenna **360 degrees**. **Joe 9H1VW**, **Chris 9H1BW** were at **il-Madliena** and **Mansueto 9H1GB** at **iz-Żurrieq**.

Equipment on 10 GHz

Frequency: 10.368.200 GHz
Antenna: Parabolic dish 47 centimetres

Power: about 200 milliwatt
Transverter: Home made desigend by SSB Elettronica
Preamplifier: gasfet and coaxial antenna switch
Feed: Waveguide with back feed
Distance: With **9H1VW** 18.5 kilometres, with **9H1GB** 31 kilometres (not line of sight) but signals 59. Very good Mansueto)
Mode: SSB and FM
Signals: 59 good modulation
Stability: fairly good

Photos
Tripod: Aluminium, ex-army
Bottom: Parabolic dish **24 GHz**, local oscillator inside at the back, the transverter and waveguide at the back of the dish.

Other equipment: Equipment between the dishes is a home made transverter **10 GHz** machined from a solid aluminium block. All the equipment is inside. Two bends of waveguide **WG-16** feed the top parabolic dish.

VHF: Two handheld transceivers on **145.450 MHz** were used for talkback.
Batteries: Two ex-ups batteries **12 volts**.
Current drain: Total current drain from the batteries during transmission was **372 milliamps**

Another non line of sight operation on **24 GHz** is planned between **Malta** and **Sicily**. We congratulate you and wish you more success.



Fortunato **9H1ES** Our Lady of Fatima Street, in-Nadur, Kemmuna in the middle, Malta in the background



Fortunato **9H1ES** Our Lady of Fatima Street, in-Nadur, Ghawdex



Our Lady of Fatima Street, in-Nadur, Ghawdex, Kemmuna in the middle, Malta in the background



Fortunato, **9H1ES**, Our Lady of Fatima Street, in-Nadur, Ghawdex



Joe **9H1VW** at il-Madliena



Il-Madliena



Christopher 9H1BW, Joe 9H1VW at il-Madliena



George 9H1AA, Joe 9H1VW



Thanks to all those who sent me the photos and the details

**Lawrence
9H1AV/9H9MHR/9H79AV**

CW Activity

For those who like to use the Morse code to communicate I remind them that on the first day of the year there is an activity organized by the [ARRL](#) that has been held for more than 40 years. This activity is called "Straight Key Night" because automatic Morse code keys or computerized programmes are not used, but a normal key and also mechanical bug keys that sends dots automatically.

This activity is held on **1 January 2011 from 0000-2359 UTC**. This is neither a competition nor are prizes or certificates given, and there is no speed, but is only an activity so that those who like to use Morse code can enjoy themselves.

One can send a list by means of an e-mail with the details of the contacts that he had, of the station that sends the best code and the most interesting contact that he had to - [straightkey @ arrl.org](mailto:straightkey@arrl.org) – or by means of snail mail to ARRL Straight Key Night, 225 Main St, Newington, CT 06111 up to the end of January 2011.

Lawrence

9H1AV/9H9MHR/9H79AV

List of Radio beacons

On these pages you have a list of radio beacons

<http://www.qsl.net/wj5o/bcn.htm>

<http://www.keele.ac.uk/depts/por/28.htm>

On this page hereunder you will find the latest Dx complete with maps on frequencies of **136 kHz, 500 kHz**, all **HF, VHF / UHF** on **50 MHz, 70 MHz, 144 MHz, 432 MHz**, microwave, different world areas as well as other information.

<http://www.vhfdx.info/spots/map.php?Lan=E&Frec=28&ML=M&Map=W2L>

Lawrence

9H1AV/9H9MHR/9H79AV

MARL Activities

Annual General Meeting

I remind you that the Annual General Meeting is going to be held on Sunday 27 February at 10.00 in the morning. A new Committee must be elected at this meeting for the next two years. Nominations for the Committee that have to be seconded must be received by the Committee not later than 10 days prior to the Annwal General Meeting.

The Agenda for this Meeting is

- 1. Reading, discussion and approval of the Minutes**
- 2. Reading, discussion and approval of the Administrative Report**
- 3. Reading, discussion and approval of the of the Financial Report**
- 4. Election of the Committee**

5. Other matters.

Nominations and amendments are going to be on the **MARL** internet webpage
<http://www.9h1mrl.org/secretary/secretary.htm>

Membership is €25 for those who have still not paid has to be paid before the Meeting.

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 meet 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