

*This article appeared in the winter 2011 issue of OT News. It is said that a picture is worth a thousand words and the pictures certainly tell quite a story! This article shows what can be achieved by just ten amateurs with dedication and hard work.*

## **The Russian, Lipetsk, Club Station RT5G**

**by Yuri RW3GA /R5GM (2313)**

Our club station recently bought a piece of land about 15Km from Lipetsk and have started to build their contest position. The station current members are;

Victor R3GZ, Larry R5GA, Vlad RO3G, Yuri R5GM, Andy R3GG,  
Dick R3GM, Victor RG5G, Gary UG3G, Anatoly RW3GB,  
Gennady UA3GIE.

For two years we have been constructing antenna masts. During that time there has been lots of snow but with some sunny good days, the temperature in the winter has been around minus 28C. We also experienced very high winds, which together with the snow and ice caused damage to the antenna system. The general construction of the antenna masts can be seen in the pictures. Note the damage referred to above, the repairs were made during the very cold weather !

### **The antenna installed currently are;**

160 metre vertical 52m height used also as a 5/8 lambda on 80 m with tuner. Also on 80m we have a Sloper (to East), height is 55m, Inverted Vee with feed point at 25 metres.

For 40m we use a Full size three element Yargi Beam, 25 metres high and a two element wire Yargi beaming East/West also at 25m high. Another 40m antenna is a Delta with switching over at a height of 65 metres.

For 20/15/10 metres an Open Sleeve (at a height 65 metres and a Dipoles made with pipes). Also a rotary 6 element for 20m, a 3 element for 15m, and a 5 element for 10m at a height of 15 metres.

8 el. for 15m, with an 8 el. for 10m, at a height of 25 metres...

And a lot of Beverage antennas for receiving (250-350 meters long)

These antennas have been built during the two years since we bought the land. We have plans for more development of our antennas for 2011...

### **Equipment**

FT-1000, FT1000MP, K3,

2 PA (home made) max. power abt 1.0 KW

## Lipetsk Club Station RT5G

Pictures sent in by Yuri Manukovsky (2313)



1. RT5G L to R: Vlad RO3G, Yuri R5GM, Andy R3GG, Dick R3GM (and his dog), Victor RG5G, Gary UG3G



2. On the air Yuri, R5GM Member of RAOTA IARU HF CHAMPIONSHIP July 2010



3. During the Lipetsk Radioclub RT5G CQ Woldwide DX CW Contest. - June 2010 (The temperature reached 37c)



4. RUSSIAN DX CONTEST Gary UG3G, Andy R3GG



5. RUSSIAN DX CONTEST Dick R3GM, Andy R3GG



6. WW DX CW CONTEST L to R: Andy R3GG, Dick R3GM, Mike RT3G.



7. WW DX CW CONTEST L to R: Vlad RO3G, Dick R3GM, Andy R3GG,

The following pictures show the construction and repairs to the antenna systems. These were done in temperatures down to minus 28C and with snow and ice. It was the high winds that caused the damage.



8. Gary UG3G on the mast.



9. Romeo(son of Gary UG3G) and Dick R3GM on the mast.



10. In hands of Dick R3GM the insulator on the 20 metre antenna.



11. Dick R3GM mounts the element on the 40 metres, in the background Nikita (the son of Vlad RO3G).

12. Vlad RO3G hoists the colours.





13. Showing the damage caused by ice and wind...



14. All are helping to lower the antenna a 3 el. Full size beam for 40m. metres and and so on...)



15 The antenna is completely lowered. Vlad, RO3G supports the broken part of the antenna.



16. The broken part of the antenna is sawn off. The new insert prepared...



17. The weak link.



18. Here such "Se la vie"



19. Club on the road back home.



20. Sunday morning. The antenna is ready to erect.



21. Vlad RO3G and Dick R3GM on the mast.



22. It is very cold with the wind and snow.



"Подъёмная команда" готова.  
L to R: R5GA, R3GZ, RT3G, R3GM у  
лебёдки, R3GG, Romeo.  
RO3G на мачте.

23. We begin to erect the antenna, L to R:  
Larry R5GA, Victor R3GZ, Mike RT3G,  
Dick R3GM (on the winch), Andy R3GG,  
Romeo (son of Gary UG3G), Vlad  
RO3G (on the mast).



Погода не радовала..  
L to R: R5GA, RO3G и R3GG.  
Чуть поодаль R3GM.

24. Weather has definitely deteriorated.  
L to R: Larry R5GA,  
Vlad RO3G, Andy R3GG and Dick R3GM

## Contests

We took part in the;

CQ Worldwide DX Contest, CW, November 2010

Club: Lipetsk radioclub

Station: RT5G

Class: M/S HP

QTH: Kashirka . Operating Time (hrs): 48

### Summary of our results.

Band	QSOs	Zones	Countrie
160:	240	15	67
80:	778	21	89
40:	1383	35	130
20:	1248	35	116
15:	578	32	117
10:	78	11	39

**Total: 4305 149 558 Total Score = 5,070,604**

Other contests were

### Pictures:

- 1, 2, 3. IARU HF CHAMPIONSHIP /July 2010/
- 4, 5. RUSSIAN DX CONTEST
- 6, 7. WW CW CONTEST
- 8 to 24 Antenna construction and repairs.



**Lipetsk Radio Club  
RT5G  
Dick R3GM operating  
during the CQ-M CONTEST  
(May 2010)  
Special Call RP3G  
RADIO POBEDA 3  
GEORGIJ**