

Actual status from JO50VF

Hello all

During the last winter we nearly lost all antennas. The station for 144MHz was the only one which survived! At 70cm we had some interruptions at the transmitting- line as well as at the Wilkinson power splitters at the antennas. It is really a heavy job to repair this because for turning down the tower it is necessary to use a crane! At the 23cm antenna we had to change the feeder, now we are using a ring- feed except the old OE9PMJ- horn. Also a new water- protected aluminium box which covers PA, preamp and relay was mounted behind the dish. Hurricane "Kyrill" destroyed our dish for the 13cm band as well as the rig for 3cm. Helmut, DJ2NR has really done a great job to bring the 1,6m dish in his old form! It works perfect again. On 3cm we got a dramatic loss of the performance of the old system. The reason for this was some water in the Transverter at the centre of the antenna. Fortunately I got information that an AMTV- system, working at 12GHz, was pulled down in our region, so I took this occasion to build a complete new rig for this band. Now we have the good old DB6NT- transverter, a pair of ELISRA- amplifiers, waveguide- power combiners, preamp, some circulators power supply for the amps, and a sequencer in a common box just behind the dish. As the original setup for 12Ghz is also working at 10GHz it was very simple to use the Horn and the waveguide to the back of the dish. It is my opinion that it works perfect! Much work was to do to get all on top of the tower because the total weight is around 250Kg!

A handicap was also that I had an accident at march 9th, where I broke my knee. I got no permission for abt 12 weeks to climb up any tower by the doctor. I have to thank my friends for their great help!

Believe me we really worked very hart to repair all. At October 3rd we had all stations running, just few days before the IARU- UHF- Contest.

I participated on 3cm to see if the new station performs. It performed well, indeed! I think the conditions were rather poor on this weekend at the microwaves. Beacons which were detectable by normal conditions were not to hear. Anyway I could make 48 contacts with a score of about 11 000 points. Working with 4 stations beyond 500Km, 9A1Z, S57C, S51ZO and PI4GN gave me a good reward! Some QSOs over 400Km includes my Log as well.

Below you will find many pictures which were taken by Thomas, DH1NFL, with some comments.



Helmut, DJ2NR is working at the tower



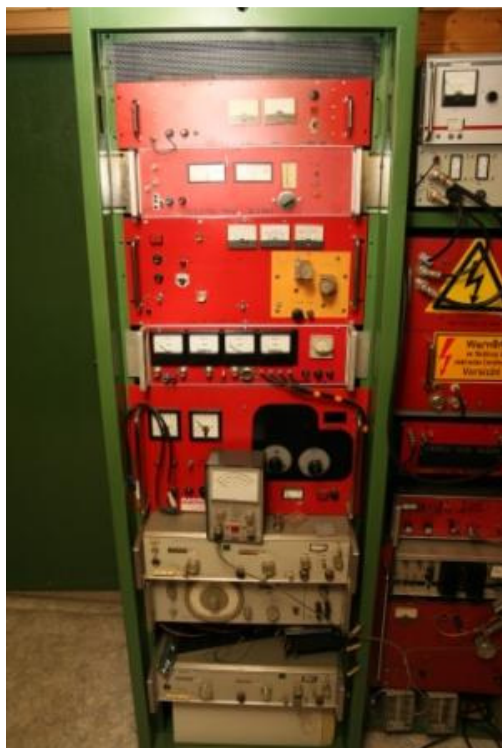
Thomas prepares himself for his first tower- climbing!



If my friends working hart I could watch over their job!







Some impressions from the station for 2m, 70cm 23cm and 13cm





The antennas for 2m, 13cm and 3cm, 2m and 23cm, the monster for 70cm and 6m with 2m vertical



Our takeoff direction south



west (is this really a take off?)



north



and east



A new rig for our local network including a WLAN- link also was installed!

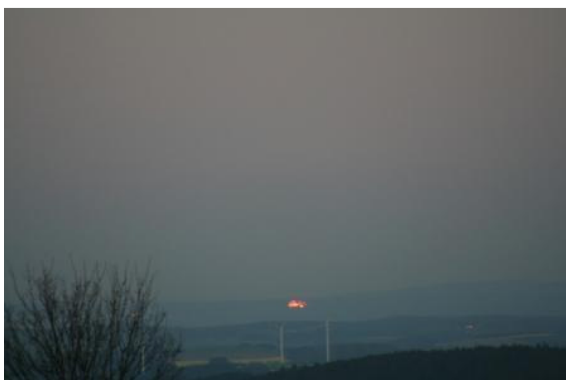
All antennas looking to SK7MW!







Some impressions from the new 3cm station



Does the burning wood really come from the tremendous power from the new 3cm station??



Favourite time for Sven to build antennas is at 02:00 in the morning!



Millions of mosquitoes are a great help if you are sweating!



Sunset in JO50VF



So far my report dear friends about a very busy year! I have to thank all my friends for spending much of their time for restoring our station.

Greetings to all of yours from the Ahornberg- group!

Rene, DL6NAA

