Activity on HF/VHF/UHF & SHF

July Contest 2022

Vogelsberg

JO40QL and JO40PL

Dear friends of wireless communication

On the following pages I will mainly report about the activities of my **2 m contest group DR2X** (JO40QL) at the recent July VHF/UHF/SHF Contest 2022.

As you can see from the following photos, the weather was fine and the temperatures were within a pleasant range. There were no big DX of distance more than 1000 km. However, very strong signals from Hungary and Croatia could be copied during night. For our QTH (bad take off to the northwest) we could work more stations from the UK as usual. This was to be expected, as the National VHF Fieldday taken place there. Unfortunately, due to QRN during daytime, the direction to Poland was not quite difficult. But all in all we can be satisfied with the result. And we hope for a very good placement in the contest.

Besides the contest on 2m we were also QRV with our own calls on shortwave, 70 cm and via satellite QO-100. I will report about that here as well.

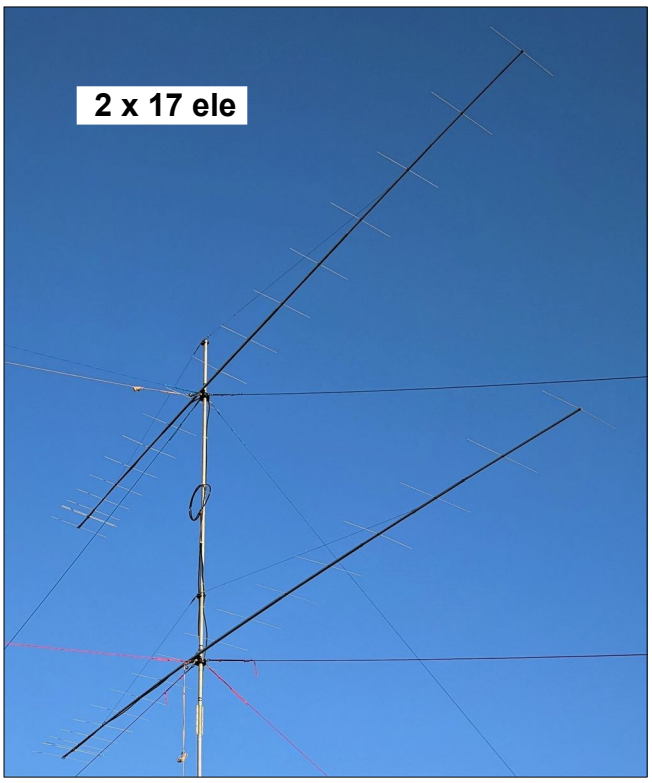
On Sunday I visited my good friend **Frank DG5FEB**, who was not far away QRV on 10 GHz from the „Herchenhainer Höhe" (JO40PL). Unfortunately I could not meet his colleague **Walter DH6FAE** there, as he only participated in the contest on Saturday.
The success of both is also reported here.

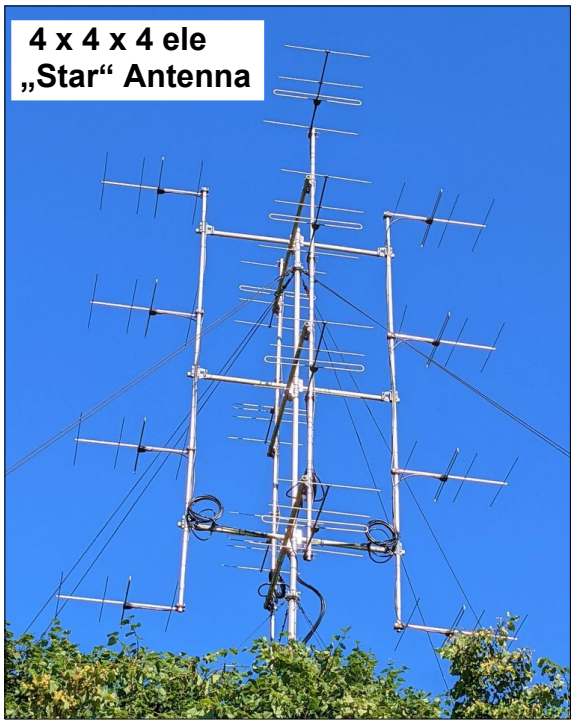
Therefore, you will not find the callsign „**DR2X**" on the cover page for this time. But more generally the name of the big Hessian volcano "Vogelsberg", where all activities took place.

Nino DL3IAS

Preparation of the 2 x 17 element antenna

Overview 2 m antenna systmens & rotators



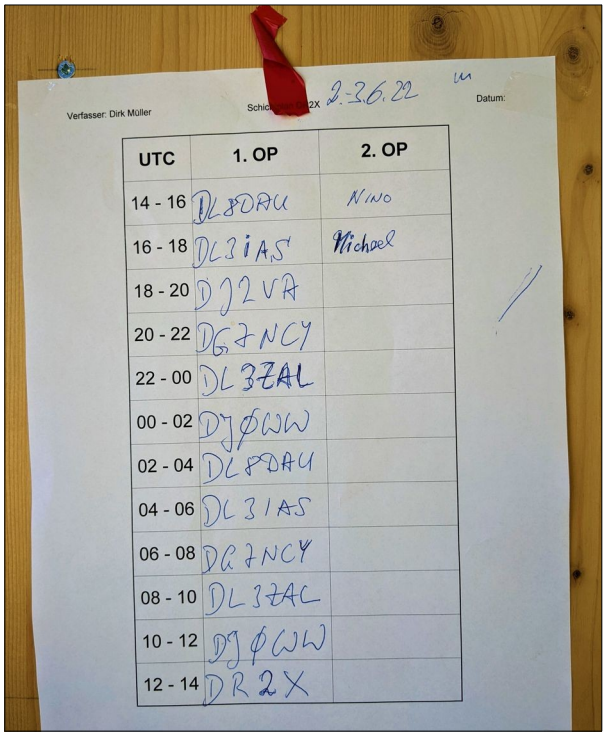


During the Contest

Matthias DL8DAU handling the pile up at the beginning of the contest

THE EQUIPMENT FOR 2M:

- **Elecraft K3s transceiver**
- **Kuhne tranverter TR144H+40 (14 MHz IF)**
- **Additional crystal filter for 14 MHz IF built by DA0FF**
- **Sennheiser headset PC151**
- **Schurr CW paddel**
- **BEKO power amplifier**
- **Antenna as seen on the previous page**
- **Logging programm WinTest**

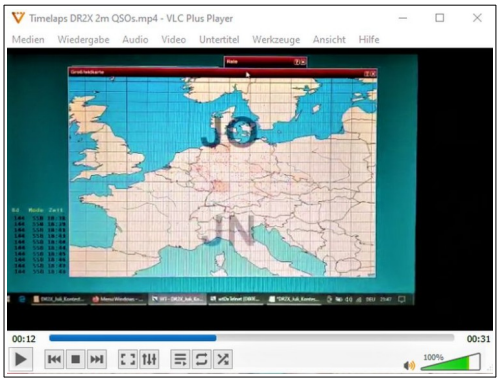


Who was at the microphone?

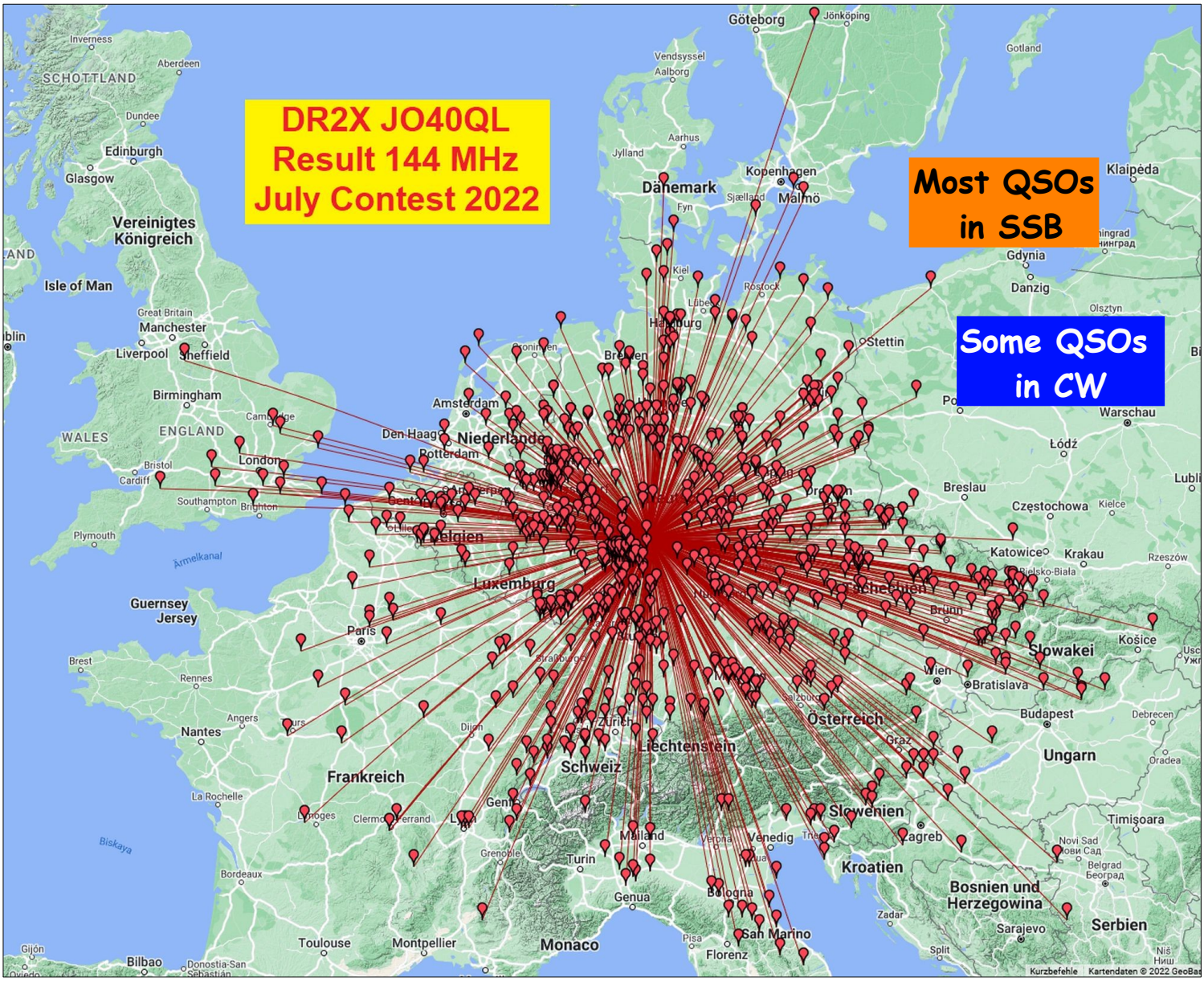
Camping or contest site this time?

The Results on 2m

Download Link for the Video „**Timelaps 800 QSOs in 30 sec**“:
https://c.web.de/@337150638448182491/qDUoLNOnQ7KTh8BkekzZtQ



QSOs:	**799 (+ 1 dupe)**
km/QSO:	**314**
ODX:	**1036 km (YT4B JN94SE)**
DXCC:	**18 (DL, HB9, OE, PA, ON, LX, G, SM, OZ, I, PA, F, OK, OM, S5, 9A, YU)**
Squares:	**95**
Points:	**250454**

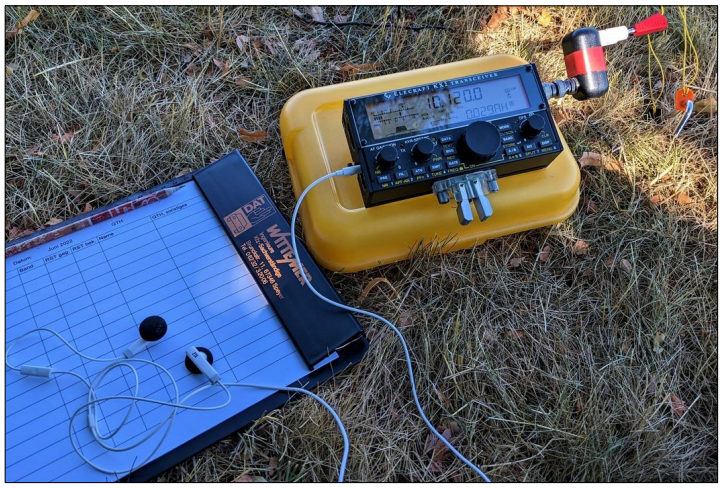


Beside the Contest

Even though the picture on the bottom left may suggest otherwise: I can assure you that none of the dairy cows from the immediate vicinity were harmed during the contest!

Equipment & Results on Shortwave (Operator DL3IAS/p)

THE EQUIPMENT FOR SHORTWAVE:
- **Elecraft KX2 QRP transceiver**
- **Internal automatic antenna tuner**
- **Internal Lithium Ion battery**
- **In ear headphone**
- **Original Elecraft keyer paddle**
- **Ouptput 5 watt**
- **Additional 1:4 QRP balun**
- **SOTABEAMS Bandspringer Midi end fed antenna**
- **Carbon-6 Ultra-Light 6 m pole**
- **Simple paper log**



Marconi Memorial Contest HF CW
(Dal 1996)
2022, XXVI edizione
L'edizione 2022 si terra' il 2 e 3 Luglio

All QSOs in CW

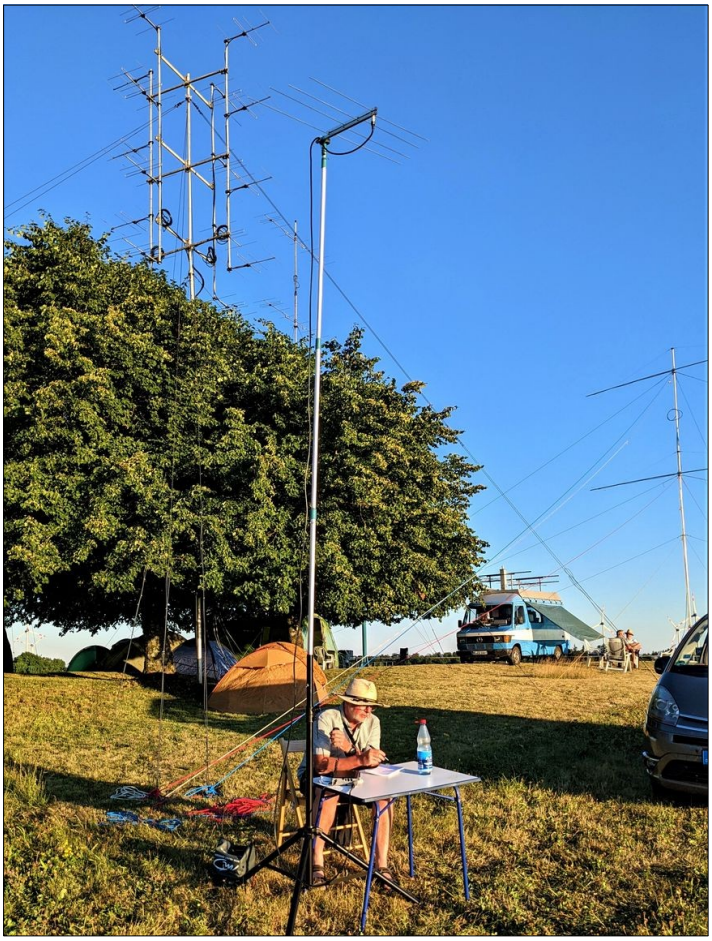
The used antenna system from SOTABEAMS is ultra-light (less 1 kg), and was used together with the KX2 transceiver during my holiday trip to Norway at the beginning of June.

The Marconi Memorial Contest on HF was a good opportunity to make some quick QSOs.

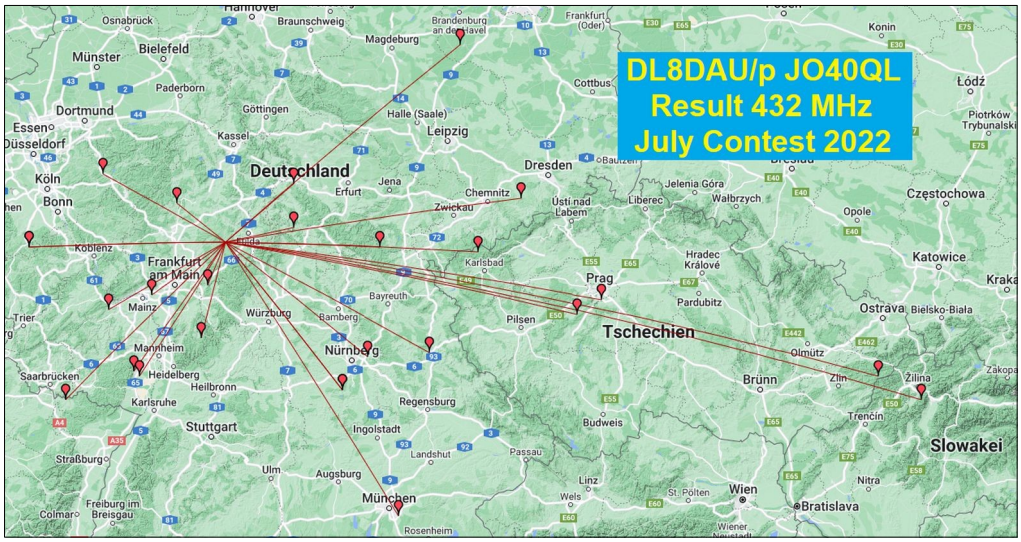
At all **10 QOSs** were made (3 on 40 m and 7 on 20 m) from **9 DXCC** (I, LZ, EA, RA, HA, EU, SP, E7, OZ).

On the NCDXF frequency 14.100 MHz (20 m) it was possible to receive the New Zealand beacon **ZL6B** beacon easily.

Equipment & Results on 70 cm (Operator DL8DAU/p)



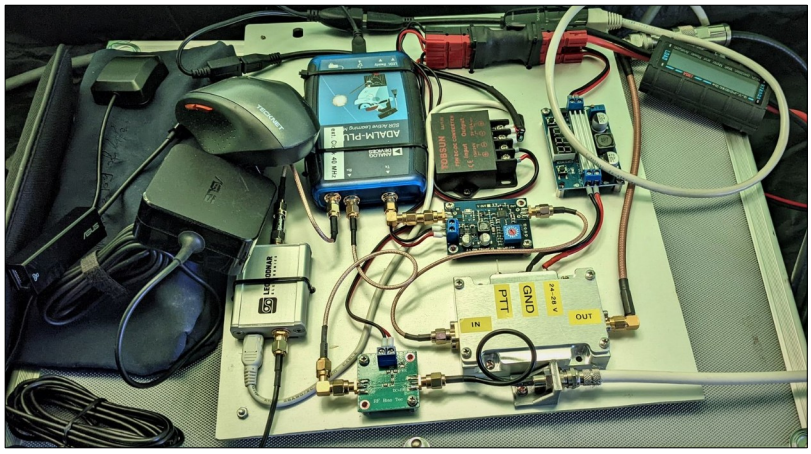
THE EQUIPMENT FOR 70 CM:
- **YAESU FT817 QRP transceiver**
- **External battery**
- **Original YAESU microphone**
- **Ouptput 4 Watt**
- **4 element log periodic antenna by Anjo**
- **Amstrong rotator**
- **Simple paper log**

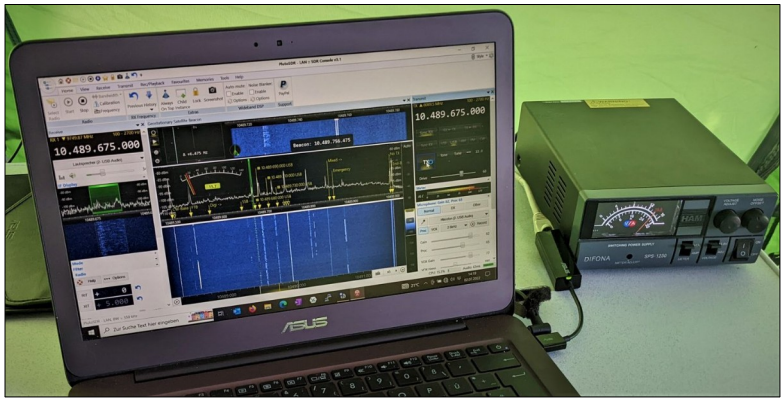


QSOs: 26 **km/QSO: 219** **ODX: 692 km (OM6A in JN99JC)**
DXCC: 4 (DL, F, OK, OM) **Squares: 13** **Points: 5701**

All QSOs in SSB

Equipment & Results for QO-100 Satellite (Station by DJ2VA, Operator DL3IAS/p)





THE EQUIPMENT FOR QO-100:
- **ADALM Pluto SDR**
- **SG-Lab power amplifier**
- **Output 20 watt & 10 m Aircell 7**
- **SDR Console on ASUS Win 10 laptop**
- **60 cm Offset dish helix feed for 2.4 GHz Uplink And PLL LNB for 10.489 GHz Downlink**
- **GPSDO for 40 MHz reference ADALM Pluto**
- **Simple paper log**

During my brief activation a total number of 7 **QSOs** from **4 DXCC** (DL, OH, SP, VU) were possible. The QSO to India (**VU2KGB/p**) was also the total ODX for this weekend.

All QSOs in SSB

After **Eberhard** and I had already brought their own QO-100 stations during two VHF contests at **DR2X** before, this time it was **Michael's** turn with his completely SDR-based station.

He managed the feat of immediately setting the offset dish exactly, even without a signal, and only with a smartphone app. A subsequent optimisation of the antenna direction was not necessary.

The station was only set up on Saturday, as **Michael** had to return home in the evening.

Visiting 10 GHz Operator Frank DG5FEB Herchenhainer Höhe (JO40PL) 720 m a.s.l.

THE EQUIPMENT FOR 10GHZ:
- **ICOM IC-705 as IF transceiver**
- **DB6NT 2m / 10 GHz transverter**
- **Power amplifier by DL2AM, 8 watt output**
- **60 cm Offset dish**
- **Solar buffered battery**
- **Simple paper log**

All QSOs in SSB

QSOs: 15 **km/QSO: 271** **ODX: 550 km (F6DKW in JN18CS)**
DXCC: 5 (DL, F, PA, ON, OE) **Squares: 9** **Points: 4065**

Walter DH6FAH made 13 QSOs on Satarday. I myself made 2 QSQs during my visit (**Daniel DL3IAE** and **Andreas DJ5AR**). Many thanks Frank for allowing me to use your station.

To all: Thank You for the QSOs!

f.l.t.r: **Eugen DL3ZAL**, **Dirk DK7CM**, **Matthias DL8DAU**, **Glyn DJ0WW**, **Eberhard DG7NCY**
Kneeling on the ground: **Nino DL3IAS**

Michael DJ2VA (only present on Saturday)

Frank DG5FEB
Sorry, but no Picture: **Walter DH6FAE**