

The 144 MHz EME-NewsLetter

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DUBUS 2m CW EME Activity Events and 2006 Activity Contest

In December 2005 the DUBUS 2m CW EME Activity Events were introduced with the objective to encourage CW EME traffic on 144 MHz. Now this concept has been developed further resulting in a best 6 of 8 contest lasting the whole year. By courtesy of Jimmy, SV1BTR, here are the contest regulations released only a week ago:

1. Overview

The DUBUS 2m CW EME Activity Contest is intended to encourage worldwide CW EME activity in the 2m band. It lasts the whole calendar year and consists of 8 DUBUS 2m CW EME Activity Events that take place on 8 weekends during the whole year (outside of the established CW EME contest months).

Each DUBUS 2m CW EME Activity event is divided into two published time-slots of typically 3-4 hours. Each event is scored individually. Availability of moon window for participating stations from different parts of the world is considered. The total score for the event is the number of QSOs (with a bonus score for QSOs with the three 'rare' continents) multiplied by the total number of callsign prefixes worked.

Every station can choose to participate in any of the DUBUS 2m CW EME Activity Events, and send in the logs by e-mail for the 2006 Activity Contest. After the last Activity Event of calendar year 2006, the administrator will compute the sum of the 6 best scores to get the total results for the year's Activity Contest.

2. Contest Dates

Each monthly DUBUS 2m CW EME Activity Event, with the starting event being the one being held on December 2005.

Duration: 1 calendar year, consisting of 8 Dubus 2m cw eme activity events that are held on 8 pre-announced weekends and time slots, which can be found at:

web.telia.com/~u37031777/ & www.sm2cew.com/dubus-aw.html

Those Activity Events do not interfere with any of the established CW EME contests.

3. Sections and Awards

A:	Total antenna gain	≤ 15 dbd		
B:	Total antenna gain	> 15 dBd	and	≤ 18.5 dBd
C:	Total antenna gain	> 18.5 dBd	and	≤ 22 dBd
D:	Total antenna gain	> 22 dBd	and	≤ 25.5 dBd
E:	Total antenna gain	> 25.5 dbd		

(Linear polarized and xpol stations are included the same section.)

- Each section winner will receive a free one-year subscription to DUBUS magazine.
- The first 3 stations in each section will also receive a certificate to commemorate their achievement.
- The station with the highest total score from the continents of Oceania, Latin America and Africa will receive a free one-year subscription to DUBUS magazine.
- Each station participating from Oceania, Latin America, and Africa will receive a certificate to commemorate their achievement, as long as they send in a log for six DUBUS 2m CW EME Activity Events.

4. Rules

4.1 For the purpose of the Activity Contest, only one scoring QSO with the same station can be logged in each Activity Event.

4.2 During the two pre-announced time slots of the Activity Events, 2m CW EME is the ONLY communication allowed between a participant and the other stations worked. If you are taking part in the Activity Contest, you agree not to use any other communication medium to make skeds, announce your CQ frequency, give the QSO partner any QSO progress info, confirm whether the QSO was valid or not, or announce QSO accomplishments: if you wish to do any of these things, they must only be done outside of the time slots of the Activity Events. This will be monitored, and anyone breaking this rule can not be eligible for the Activity Contest.

4.3 If you wish to use some other communication medium such as the Internet or packet radio to announce own frequencies or times for your CQ, or arrange other activities during the Activity Event, you must stop doing this **before** the beginning of each activity time slot. Skeds are not encouraged because a large fraction of sked contacts weakens the fun of "random" activity feeling of this contesting event, **but there is no points penalty for skeds**, provided that they are arranged **before the start of the activity period** (rule 4.2).

5. QSO Points

- Each QSO completed by stations in the European Continent (including associated islands), using CW EME on 144MHz, counts for 1 point.
- Each QSO completed by stations in the Continents of North America, Asia (including associated islands), using CW EME on 144MHz, counts for 1.5 point.
- Each QSO completed by stations in the Continents of Oceania, Latin America, Africa (including associated islands), using CW EME on 144 MHz, counts for 2 points.

Bonus: each **random** (non-sked) contact with the continents of Oceania, Africa or South America counts for 5 points.

6. Multipliers

Each different call sign prefix is a multiplier (e.g. SV1, SV2, SM1, SM2, DL1, DK1, W2, W3, KM5, K5, W5, WA6, K6, PA1, PE1, etc. See the example of CQ WPX contest rules for further details on prefix multipliers.)

7. Total Scores

The score of a station for one Activity Event is:

(Total of QSO Points) * (Total of Multipliers)

The DUBUS 2m CW EME Activity Contest is a whole-year fun contest. The administrator will sum up the scores from your best 6 Activity Events to calculate your overall results.

8. Log format

Each line of the Log must include details of: Date, Time, Station worked, Report Sent, Report Received, QSO Points, Multiplier (1 or 0). Finally the Log must include the Total Score for this Activity Event.

An example of the Log format that should be followed can be found at

www.sm2cew.com/dubus-aw.html

Each sked QSO must be marked with an asterisk beside the callsign.

9. Sending your Entry

You can choose to participate in any or all of the DUBUS 2m CW EME Activity Events in the calendar year.

Logs for DUBUS 2m CW EME Activity Award must be sent via e-mail to the award administrator at www.sm2cew.com/dubus-aw.html within 10 days after the conclusion of each activity event.

a. Log must contain a subject line consisting of call sign followed by the month and the word log as follows: "SV1BTR Jan. log".

b. The Log itself, must be in the body of the message, of each e-mail.

In case a participant finds a mistake has been made and that one or more qso's are not valid, a correction should be sent by the participant himself to the administrator with a subject line as follows: "SV1BTR Jan. correction".

All e-mail log entries will be acknowledged by being uploaded after each Activity Event at
www.sm2cew.com/dubus-aw.html

After the last Activity Event of the calendar year 2006 the administrator will compute the sum of the six best results for each participant to determine the total result of the 2006 EME Activity Contest. The total scores form the basis for the prizes in each class.

For any questions contact: Jimmy; SV1BTR at jimmyv@hol.gr

NOTE: Only for the 2006 DUBUS 2m CW EME Activity Contest, since the DUBUS 2m CW EME Activity event started in December 2005 and commencement of yearly period will be December 2006, past LOGS for December 05, January 06, February 06 events can be sent at www.sm2cew.com/dubus-aw.html, by February 15th, 2006.

Clarification: Even though the 2006 DUBUS 2m CW EME contest started in the month of February, it still contains 8 Activity Events for the above mentioned period (best 6 scores to count for the Contest). However, it is important to note that the 2007 Activity Contest will commence in January 2007 and conclude in December 2007 with 8 Activity Events (best 6 scores to count). The latter will be true for future years also.

The results of the CW Activity Events – also called Activity Nights - are published on the Web: web.telia.com/~u37031777/, QSO-lists may be mailed to Hakan, SM7WSJ, at sm7wsj@telia.com who will publish them on this website.

DXPeditions

3Y0X (Peter One)

Preparations for Moonbounce activity from Peter 1 are proceeding according to plan. This represents a very unique opportunity to utilize EME to provide otherwise impossible contacts on VHF/UHF bands, and the EME Community is greatly indebted to K4UEE, K0IR, W0RUN and the entire 3Y0X team for their generosity in accommodating this historic undertaking. More detailed information about the DXpedition can always be viewed at: <http://www.peterone.com>

Currently, the dates for activity on the island are planned as Feb 6 through 22. Since there is no moon visible at 3Y0X, the first day for possible EME operations is Monday, February 13. Moon position information, frequencies and sequences of operation, as well as other EME updates and current schedule information is available at:

<http://www.bigskyspaces.com/w7gj/3Y0X.xls>

Please be aware that moonrise and moonset may actually be between 1 and 2 degrees below the horizon, especially when the moon is near the horizon to the north and they have a clear shot over the ocean. Therefore, the moon times may be slightly greater than shown on the above spreadsheet. You will notice from your review of the printout, that the lowest elevations are primarily at the beginning of the period, which is also the quietest. It is anticipated that 6m activity will be concentrated during this period, since they are not planning to elevate on that band. As the moon gets higher, they will devote more effort to 2m and 70cm. Please note that there are lots of good moonset windows with Europe! North American stations have very limited horizon windows with them.

The 2m station will use four 9-element M-squared yagis (full az-el) and 300W from a TE System solid state amplifier. The amplifier will be mounted remotely at the base of the antenna to minimize feedline loss.

3Y0X doesn't work skeds only: Random calls are welcomed on the designated frequencies at ANY TIME (even during sked periods). Random calls must only be made when 3Y0X is being copied. If 3Y0X replies to you and you do not respond, you run the risk of never being called again. Moon time is extremely limited on this trip, and the precious little time available must be most efficiently used by the operator(s) at 3Y0X answering stations only who are copying.

Do not be surprised if 3Y0X completes random contacts during a sked and then returns to finish a contact with the sked station. Under such circumstances, 3Y0X will be sending both calls in addition to the "RO" or "RRR" reports, so it is clear who is being worked. 3Y0X will usually simply call CQ or reply to the next caller when the contact is complete, rather than sending "73". As a calling station, please feel free to simply send "RO", "RRR" or "73" (without calls) as usual.

Calls from previously worked stations, or those not complying with the above guidelines run the risk of being ignored and/or removed from the log.

S7 (Seychelles)

DL2NUD, DL9GRE and DM1CG were QRV fom S7 for about 1 ½ weeks and announced their last EME activity for January 25th. They produce a very good signal using just some 500 watts out to a single 2MXP28. Details can be found on www.qsl.net/dl9gre/seychells.html and a more detailed report hopefully in the next issue of the 144 MHz EME NewsLetter.

QSO Reports

DL8EBW (JO31)...

...handed in his single yagis success list of the recent two months. The last few weeks Guy could not be as active as before. As with many others also at his workplace the end of year brings a lot of trouble.

27.11.2005	YO9FRJ	KN34 -25db #81	4,3DGR
09.12.2005	K7AD	-25db #82	2,6DGR
09.12.2005	AA9MY	-27db #83	2,6DGR
11.12.2005	K5GW	EM13 -18db #84	3,0DGR
11.12.2005	W7GJ	DN26 -25db	3,1DGR NC
12.12.2005	W7IUV	-27db	3,7DGR NC
13.12.2005	WQ5S	EM13 -29db #85	3,9DGR
13.12.2005	K2TXB	-28db #86	3,9DGR
22.12.2005	RA4HCN	LO43 -28db #87	3,1DGR
27.12.2005	KE7NR/p	DM54 -25db #88	4,6DGR
05.01.2006	AF6O	DM14 -25db #89	1,8DGR
06.01.2006	JH0MHE	PM96 -29db #90	2,5DGR
06.01.2006	SP6GWB	JO80 -28db #91	2,5DGR
06.01.2006	DK1CO	JO63 -30db	2,5DGR NC 1)
07.01.2006	SV1BTR	KM18 319 #92	3,5DGR CW!
07.01.2006	W7GJ	DN27 -22db #93	3,5DGR
08.01.2006	EI4DQ	IO51	3,5DGR NC 2)
16.01.2006	DK1CO	JO63 -28db #94	3,2DGR

1) oneway, my sig 19db @ DK1CO

2) oneway, my sig -22 @ EI4DQ

Guy currently runs a ICOM IC-275-H, 12el M2 10° fixed elevation and a single GU74b. But not for much longer: He will set up 2 times 12el M2 in horizontal parallel stacked with elevation within

the next 3 month to make some more contacts. *After editorial deadline Guy reports having even worked S79HP – single to single yagi and only 500 watts on both sides!*

G4DHF (IO92)...

... likes to report on his recent 2M CW EME activity over the past two months during the DUBUS Activity Sessions with his small system: "In fact, CW activity is quite busy during week days. I frequently hear IK2DDR calling on 144.053 after 22.00Z. I'm using a simple home designed array consisting of 4x7ele yagi with full elevation. Each yagi is built onto a fibre fishing pole and uses 3mm elements, so is extremely light-weight. The driven element uses a 50z dipole feed, so requires no matching other than a simple balance to unbalance balun. The reduced band width is no problem for DX working. I have built a 2nd larger array and am now waiting for a period of good weather before putting them into service. I will first move to 8 x 9ele, then 16 x in the summer. I intend to publish construction details at a later date. Stations worked are RN6BN, F3VS, K5GW, W5UN, IK3MAC, SV1BTR, OZ1HNE, KB8RQ, OK1MS, IK2DDR, IK1FJI, SP7DCS & LZ2US"

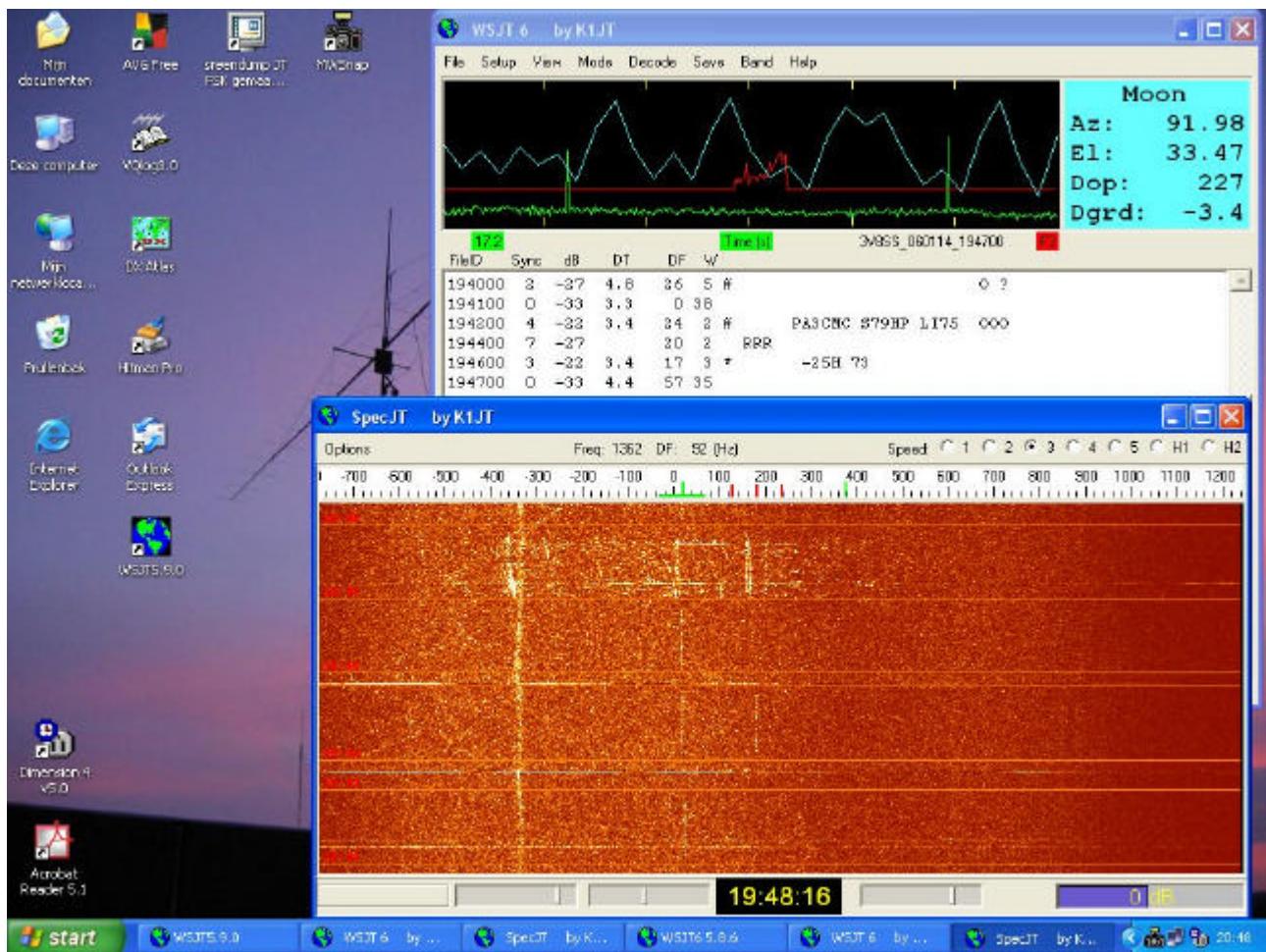


PA3CMC (JO21)...

...reports his activity in December and January :

- 8-12-05: DH4FAJ JN49 -25, RA6DA KN96 -24, K9SM EM59 -22, 3V8SS JM55 -26
18-12-05: VK2KU QF55 -20
24-12-05: K5DNL EM15 -22 (17el/400W), RD3BD KO85 -18,

- 25-12-05: YL2HA KO26 -25
 26-12-05: IK7EZM JN90 -20, EA7HG IM87 -26, DG5CST JO60 -27
 7-1-06: JH0MHE PM96 -18, 9H1PA JM75 -17, DL7FF JO62 -25, WA4MVI EM84 -29,
 K4XR EM64 -25, W7GJ DN27 -20,
 8-1-06: EI5FK IO51 -25 (17el/700w)
 14-1-06: S79HP LI75 -22 (14el/500W) FIRST PA-S79!, YU7EW KN05 -23,
 RK3FG KO86 -14, RK6MC KN97 -18



best regards Lins PA3CMC in JO21wi
 FT1000d LT2s mod. MGF1801 PA8877
 4 x 16el X-Pole I0JXX
<http://pa3cmc.digitalles.nl>

SV1BTR (KM18)...

...was QRV in the DUBUS 2m CW EME Activity Event in January. Jimmy writes: 'I found mixed conditions with signals mostly in 45 degrees but extremely good CW activity again. I worked 40 stations, 39 of them being on CW random with many QRP stations. That smallest one that day was DL8EBW: Guy runs a 12 ele M2 and 500 watts. Next day on Sunday I worked DF9CY on random, Cristoph is using a single 9 ele DK7ZB and 500 watts. The same day I worked my smallest station ever, Martin KC3RE/p from his car running 15 ele yagi at his moon rise with only 120 watts in the car. This was a very exciting QSO which clearly shows CW weak signal capabilities. On 2m I run 21.5 dBd gain which is equivalent to 4 long yagis. I plan to be QRV in February 4 CW EME Activity Night event. For more details of the time slots look at <http://web.telia.com/~u37031777/>

I encourage all small stations to try CW during those events - on random or on sked. You will be amazed by the stations you can work in a mode that is considered more difficult, but yet, everything is possible as long as one tries. Activity Night events now also form part of the yearly new Contest, the DUBUS 2m CW EME Activity Contest, which has very interesting and appealing rules for all parts of the world with bonus points for rare continents and special multipliers, also taking moon time into account. Basically this Contest works like an award for those participating in the CW activity night events."

PA2CHR (JO22)...

...sent a short report about his recent EME activities. Chris writes: "I was active in CW on Jan. 7 and worked: IK3MAC; LZ2US; SV1BTR; LZ1DP; F3VS; IK2DDR; IK1FJI; SP7DCS and SM3MXR. Other new stations worked last month where: RD3BD, JS3CTQ, W7IUV, AF6O, F1DUZ , YL2HA , DG2KBC, K4XR, RA3GES, YU7EW, F6BKI, VE/W7EME, N5KDA and S79HP raising my DXCC count to 112!. The DXpedition from S79 had a very good start. On the first evening (Jan. 14) their signal was up to -22dB but on Jan 15 (when I worked him) it was only -25 to -26 dB. Lets hope they will work a lot more, good to see again a 1-yagi expedition with excellent signals."

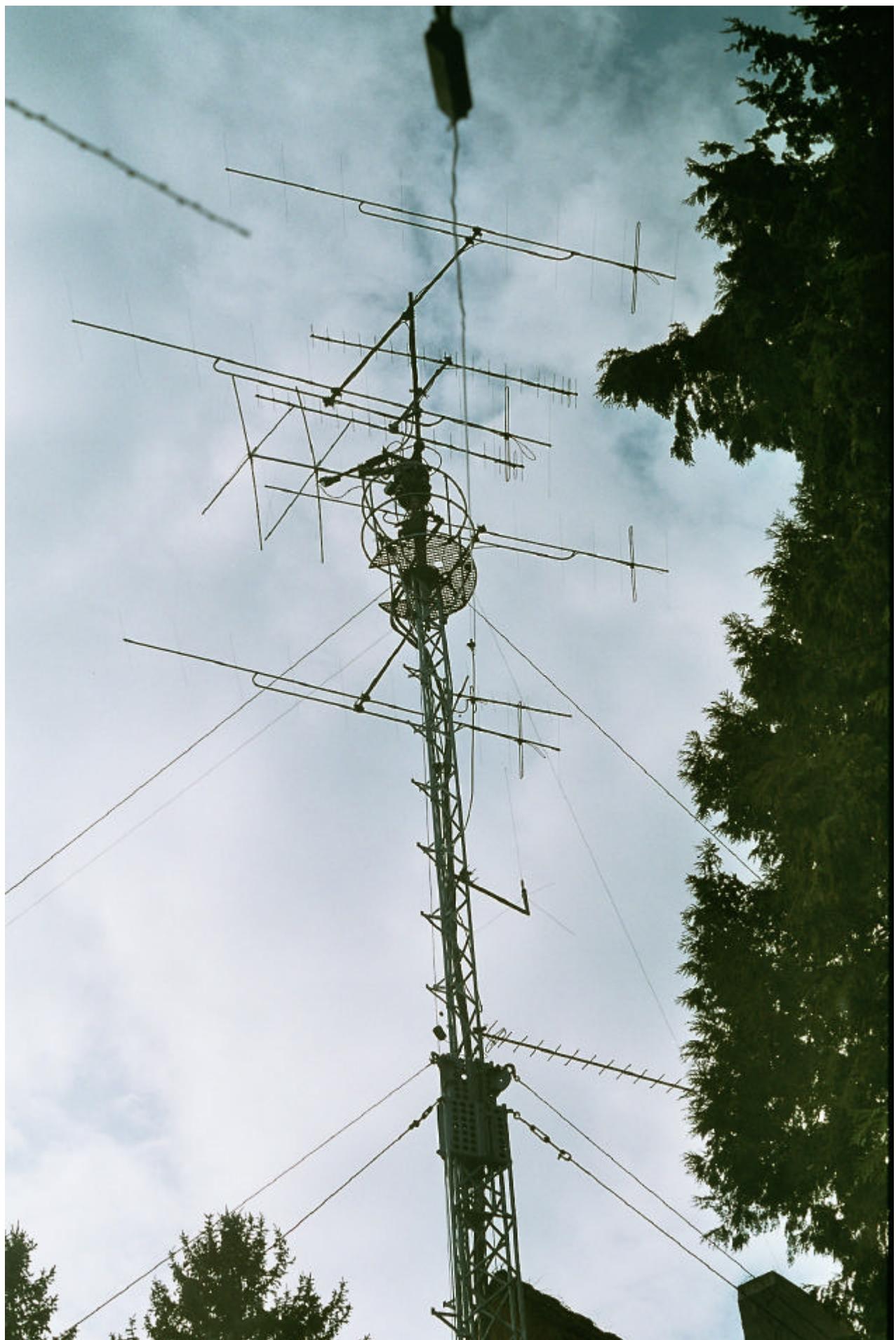
DF2ZC (JO30)...

...also found some time for moonbouncing though much workload at the office and happily added five new grids and a new DXCC:

20/01/2006	K5DNL	EM15	400 W, 17 ele	-25 dB
	K2DRH	EN41	1 kW, 2 x 18 ele	-28 dB #
15/01/2006	G4DCV	IO91	400 W, 9 ele TONNA	-25 dB
	OZ1LPR	JO44	1kW, 2M5WL	-21 dB
	VK4ABW	QH30	250 W, 4 x 3 wl	-29 dB #
14/01/2006	F6BKI	IN94	1 kW, 4 x 3 wl	-18 dB
	PE1BTX	JO22	600 W, 4 x 12 ele	-21 dB
	S79HP	LI75	500 W, 2MXP28	-17 dB #,DXCC 97
	AF6O	DM14		
	VE8/W7EME	CP28	300 W	-23 dB #
08/01/2006	K2AXX	FN12		-27 dB #
	SV5BYR	KM46		-24 dB
07/01/2006	RA4HCN	LO43		-18 dB
01/01/2006	F4DXX	IN97	200 W, 17 ele	-27 dB
	YU7AA	JN95		-22 dB

Who is behind...DL7FF?

Ben, DL7FF, got infected by the "moon virus" back in 1986 when as Y24QO he completed his first transatlantic EME CW QSO with Dave W5UN, then still on 144,008 MHz. At that time he used 4 x 9 ele DL6WUs, no preamp. and a DL6SW-converter with a BF245. RX was an "Erfurt" 22 SSH. In the transmitting path Ben had a home made exiter with 300 mW and a cascade of PAs (PA EC82 > QQE 03/12 > QVQ 06/40) with some 175 watts out only.



20 years later Ben ist still "moon sick", now using the callsign DL7FF (from 1991 until 1996 he was DL7UTS). Only the rigs have changed: FT-726R, HL-120V, home made PA with 2xGI7bT in grid-bias resulting in 800 W out. Soon to come are 2 x GU74b which will make it yet easier to read Ben's moon echoes. After 40 m 5/8" coax there is still good power at the home made splitters and also the 4 x 11 ele Flexa FX 224 on a 20 m tower. System sensibility is enhanced by a Landwehr preamplifier with some 0,8 dB noise figure. For azimuth rotation Ben uses a rebuilt radar rotor, for elevation a 24" trackingarm.

Today Ben counts 463 EME QSOs, 208 initials altogether (120 initials worked in CW, 88 in JT44/JT65)

And Ben had a good start into 2006 by collecting some new grids and a rare DXCC:

05.01.	PA3FPQ	JO22	-24dB init # 199
05.01.	PE1BTX	JO22	-24dB
05.01.	AF6O	DM14	-28dB init# 200
06.01.	UA9SL	LO71	-26dB
07.01.	JS3CTQ	PM74	-25dB init # 201 # 682
07.01.	PA3CMC	JO21	-17dB
07.01.	AA9MY	EN50	-23dB init # 202
08.01.	JH0MHE	PM96	-21dB init # 203 grid #683
08.01.	W8PAT	EN81	-30dB init # 204 grid # 684
10.01.	DK1CO	JO63	-28db init # 205
10.01.	YL2HA	KO26	-26dB init # 206
14.01.	S79HP	LI75	-25dB init # 207 grid # 685 dxcc# 75

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Miscellaneous

RV9JD QSLs

Jurg, DK3WG, received a bunch of QSL cards from RV9JD: DJ7OF, DJ9CZ, DF7KF, DH2UAK, DK3YAK, DK3BU, DK3EE, DK8JJ, DK8ZJ, DL6BF, DL7FF, DL7UAE, DL8GP, DL8YHR, DL9MS, EA1YV, EA3DXU, EA6VQ, EI4QQ, EI5FK, F6FHP, F6HVK, G4CBW, G4FUF, HA5OV, HB9Q, IK0BZY, I1ANP, IK1UWL, IK7EZN, JM1GSH, NJ0U, KD3UY, W3SZ, K5GW, KM5PO, W5UN, W5UWB, WD6DMB, AA7A, K7MAC, W7EME, KB8RQ, N9XG, K9MRI, OE3FVU, OE5MPL, OE6IWG, OK1DFC, ON4ARF, ON4GG, ON4IQ, OZ1LPR, PA0JMV, PA1GYS, PA2CHR, PA3CMC, PA3FPQ, PA3FSA, PA7RP, PE1L, PE1LWT, S52LM, S54T, SM5CUI, SP6GWB, ST2RS, SV3KH, SV8CS, VK7MO, ZL3TY, ZS5Y, ZS6WAB. Please send your card with return envelope to J.Fiedler, P.O.Box 1531, 15205 Frankfurt (O), GERMANY

Time Table

- | | |
|-------------------------|---|
| • until 25 January 2006 | S79-DXpedition |
| • 04 February 2006 | DUBUS CW EME Activity Event
(0930-1330Z & 1830-2200Z) |
| • 11/12 February 2006 | REF/DUBUS EME-Contest (Digital modes only) |
| • 13 February 2006 | Start of 3Y0X EME operations |
| • 1/2 April 2006 | ARI EME-Contest (Digital modes only) |
| • 8/9 April 2006 | REF/DUBUS EME-Contest (CW only) |
| • 9/10 September 2006 | ARI EME-Contest (CW only) |