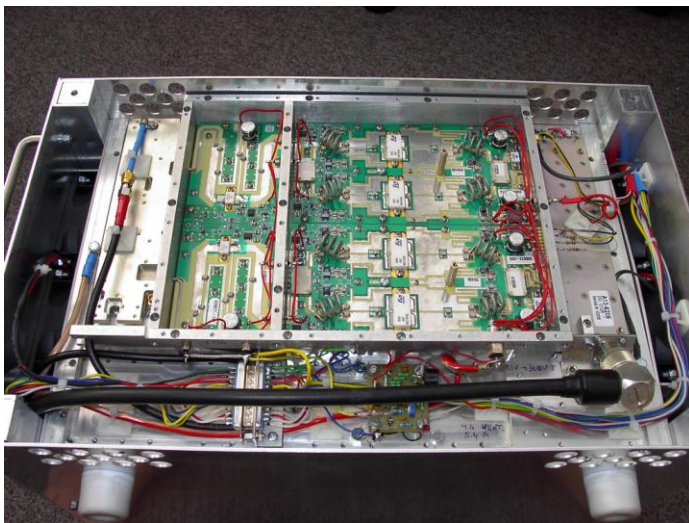


432 AND ABOVE EME NEWS NOVEMBER 2010 VOL 38 #11

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CONDITIONS: This was an extraordinary month with the first single yagi 70 cm WAC completed by OK1TEH – see Matej's report and a third 70 cm DXCC completed – see my report. Both these achievements were accomplished using mixed modes (digital and CW) and should not diminish DL9KR's DXCC, which was completed with only CW QSOs, and WA6PY who needs only SA to complete WAC on CW. The CE0Y/DK2ZF dxpedition to Easter Island has been a great success and will hopefully also result in 432 activity from Chile. Hat's off to Rolf and Martin for a great effort! TI2AEB is now QRV from Costa Rica on 70 cm. It appears the Nov dxpedition plans by DL3OCH and OK1DFC are on temporary hold, but there are some interesting possibilities – see their reports. The first Oct weekend of the ARRL EME Contest produced generally good conditions and huge activity on 1296, if not on 432. On 1296 SM4IVE reports a score of 91x38! Not too far behind are OK1CA with 72 QSOs and OK1DFC with 70x37. In Asia, JA4BLC made 46 QSOs. One 432 OK1DFC appears to have the lead with 40 QSOs followed by OZ4MM with 35. The contest continues on the weekend of 30/31 Oct.



Inside of OK1TEH's new SSPA that helped make his single yagi WAC possible.

8JIAXA: Mike [jh1krc\(x\)syd.odn.ne.jp](mailto:jh1krc(x)syd.odn.ne.jp) has submitted the log from the JAXA's big dish SSB Contest effort last winter. Somehow their log was not received when it was first submitted last year. With their big dish they were able to achieve the largest SSB score ever from JA. They QSO'd back on 27 Feb VK5MC (55QM/55QF), K1RQG (55QM/57FN), JR4ZZS (QM/PM), JA8ERE (56QM/54QN), RW3BP (55QM/55KO), UA3PTW (53QM/55KO), SP6JLW (55QM/44JO), ES5PC (539QM/53KO), OE5JFL (55QM/56JN), OK1DFC (57QM/57JN), OZ6OL (55QM/54JO), LZ2US (55QM/55KN), OZ4MM (57QM/55JO), OK2DL (55QM/55JN), SV3AAF (56QM/559KM), DF3RU (53QM/56JN) and SP7DCS (54QM/579JO) for a total of 31x9 = 279 points. The operators were JH1KRC, JE1PMT, JF6DEA, 7N1KAE and 7K4OWM. Besides the big dish, they used a 200 W SSPA, OK1DFC septum feed and HB9BBD LNA. This report is a good reminder that the 2011 SSB is not that far off and will take place on Saturday 12 Feb. (The 70 cm EME SSB contest will be on Sunday 13 Feb).

AL7RT: Dan [dpahunt\(x\)alaska.net](mailto:dpahunt(x)alaska.net) reports on his 23 cm EME activity -- I worked 21 stations on 1296 during the first leg of the ARRL EME contest on CW. They were OK2DL, SP6JLW, OK1CA, SM6FHZ, SM4IVE, K1JT, G4CCH, N2UO, DL0SHF, G3LTF, PY2BS, W7JM, K4QI, K5GW, K2DH, N4PZ, VK3UM, OZ6OL, OK1DFC, VE6TA and VA7MM. Called with only a

QRZ reply were W9IIX, PA0BAT and NA4N. After the contest I worked W7IUV on JT65C for my first digital QSO. Larry was very patient.

CE0Y/DK2ZF AND CE2/DK2ZF: Rolf (DK2ZF) [niefind.rolf\(x\)t-online.de](mailto:niefind.rolf(x)t-online.de) and Martin (DK7ZB) despite unexpected complications were successful and at this writing are still QRV from Easter Island (DG52du) on both 70 and 200 cm. They had planned to start operations on 1 Oct from Easter Island rather than Chile, but their flight to Chile was delayed by a strike in Spain. When they arrived in Chile, both SSPAs were damaged in handling by customs. At first it appeared that they would not be able to use the SSPAs, but they were able to make repairs. They were first QRV on 432 on 5 Oct and QSO'd K2UYH (20DB/O) JT65B, UA3PTW (14DB/O) JT65B, OK1KIR (20DB/O) JT65B, OZ4MM (539/O) CW and DK3WG (12DB/O). They were on 432 again on 6 Oct but made no QSOs and heard DL9KR (549) CW, DL2NUD (19DB) JT65B and PA3CSG (21DB) JT65B, on 7 Oct again no QSO and nil heard, 9 Oct QSO'd DL7APV (17DB/O) JT65B, OK1DFC (16DB/O) JT65B, DL2NUD (22DB/O) JT65B, and OK1DFC (539/O) CW. They made no additional 70 cm QSOs until 14 Oct with HB9Q (14DB/O), 17 Oct JA6AHB (20DB/O), 20 Oct DL9KR (539/539) on CW, PA3CSG (13DB/O) and G4RGK (25DB/O), and 20 Oct WA4NJP (20DB/O). They then plan to operate from Chile as CE2/DK2ZF in FF47gi (Maitencillo) between 24 Oct and 3 Nov. On 432 they are using 2x19 el Xpoll (H/V) DK7ZB yagis, Beko 500 W SSPA, DB6NT/Kuhne preamp and transverter to an FT-847.

DL3OCH: Bodo [dl3och\(x\)gmx.de](mailto:dl3och(x)gmx.de) sends news on changes to his dxpedition plans -- I will travel back to Taiwan at the end of Oct. This time I will take my 23 cm equipment with me (yagi and transverter). I don't know yet exactly when I will be QRV on 23 cm as I have to coordinate my activities with the locals. We might use BV2A for EME activity. I will stay until end of Jan, but due to QRL my time for EME is limited and there may be only one or two days where I can be QRV on 23 cm. I will announce any last minute activities on www.mmmonvhf.de and Moonnet. My work schedule was to finish the first part of my project in Aug, and the second part from Sept to Nov. Based on this schedule; I planned to travel to KH2/KH0 for EME. As result of delays, this is not possible. Therefore any KH2/KH0 activity needs to be postponed to the end of Jan or Feb, if not canceled. Sorry, I was really looking forward to putting KH2/KH0 on EME. However, if things go well, I might be active from another new one between Christmas and New Years. I will send more information just as soon as I hold a license in my hand.

DL7APV: Bernd [dl7apv\(x\)gmx.de](mailto:dl7apv(x)gmx.de) was active on 70 cm during the EME contest, but is not saying anything about his results; he was also active at other times -- I was able to catch CE0Y/DK2ZF on Saturday 9 Oct (22DB/16DB) on JT65B for an easy QSO after they switched to V- pol. Just before this QSO, I worked W4AS. I had hoped to catch Rolf on Friday, but had a fire in the power supply of my big PA. There was a hell of a lot of smoke in the shack. The inrush limit resistor was not shorted by a relay during TX and became very warm -- hi. It burned the PC board. Fortunately nothing important was destroyed. It was a real shock, but I was able to make repairs and be in operation the next day to snag CE0Y.

F5SE/p: Franck [kozton\(x\)free.fr](mailto:kozton(x)free.fr) expects to be QRV again very soon -- If everything goes right, I should be active during the next EME contest weekend (end of Oct) on 1296. The new elevation drive is working OK, and after several tests, it appeared that the balance spring system is not necessary anymore. So the springs and their accessories were removed. I still have to assemble the DB6NT SSPA modules on a board. For the contest, the whole PA will still be on ground, but much closer to the feed with shorter and better feedline. The RX side will be the same as used last Feb/March.

G3LTF: Peter's [g3ltf\(x\)btinternet.com](mailto:g3ltf(x)btinternet.com) Sept/Oct report -- I was active in both of the recent EME contest weekends, the ARI and the ARRL. As expected activity was higher for the ARRL event, especially on 1296 and as a result I neglected 432 somewhat. In the ARI event I worked on 4 bands over the weekend, which

is hard work with a night time moon pass, and I did make some interesting new contacts on 6 cm. On 25 Sept on 1296 I worked S59DCD, DF3RU, G4RGK, LZ2US, N4PZ, OK2DL, N2UO, JA4BLC, IK3COJ, PI9CAM, ON4BCB, IK5QLO for initial #324, OK1KIR, IZ1BPN and G4CCH, and on 26 Sept HB9IZ, SP7DCS, JA6AHB, IW2FZR, and JA6CZD. I worked on 25 Sept, on 432 IINDP, KL6M and N4GJV, and on 2320 LZ1DX and DL1YMK/A for initial #90. On 26 Sept I was also on 5760 and worked K5GW for initial #20 and ON5TA #21. K5GW had an awesome signal – at 20 dB out of the noise on my softrock SDR you could easily read the CW! This is the 6th band that Gerald and I have worked on EME. Hopefully 3 cm will be next. On 30 Sept I was on 1296 at moonrise and following my announcement of my presence on 1296.010 on the HB9Q logger, I worked VK2JDS and VK4CDI #325. (I found I had left out KL6M and IK6EIW from my initials list so the next one will be #328). In the ARRL contest I started on 2 Oct on 432 and worked OK1DFC, UA3PTW, VK3UM, KL6M, PA3DZL, SP6JLW, DL1YMK, IINDP, OZ4MM, G4RGK, SV3AAF, DG1KJG, OH2PO, JA9BOH, DF3RU, SD3F, OZ6OL, JA0TJU, G4DHF, N4GJV, DL7APV, W8TXT, K4EME and SV1BTR, then at daybreak I changed feeds to 1296 and worked SM4IVE, LA8LF, UT5JCW, OH2DG, IK5QLO, DF1SR, N2UO, K1JT, NA4N, SV1BTR, LZ2US, S59DCD, SV3AAF, NY2Z, DL0SHF, SP6JLW, F5KUG, K5GW, UA3PTW, DL1YMK, PA3FXB, OK2DL, G4RGK, SM6FHZ, IZ1BPN, UT2EG, I5MPK, RA3AQ, LA9NEA, N4PZ, G4CCH, WA6PY, HB9MOON, VE3KRP, W9IIX, K4QI, DL6SH, OK1CA, ES5PC and AL7RT. The next day, 3 Oct I continued on 1296 as the Moon cleared the trees at about 0100 and worked though to 0930 when I had to quit to go out for lunch. I worked JA4BLC, VK3UM, OZ4MM, OK1DFC, JA6CZD, JA8ERE, JF3HUC, JH1KRC, JA6AHB, SD3F, HB9Q, UR5LX, K2DH, DL1HYZ, YO8BCF, DJ3FI #328, F5JWF, IZ2DJP #329, IW2FZR, HB9BBD, HB9SV, N0OY, ON4BCB and SP7DCS. Heard were VA7MM and S50C. My 1296 total is 64x32. I will spend more time on 432 in the final leg, but there was a lot to work on 1296. I have made some serious progress with my 2.4 m dish for 3 cm and now have both halves together on a polar mount on a trailer so that it can be moved around the garden. The declination drive is fitted and part of the HA gearbox. The next job is to make and fit a feed support system.



G3LTF's new 2.4 m offset dish for 3 cm EME

G4RGK: Dave g4rgk@btinternet.com was QRV on both 432 and 1296 during the ARI and ARRL 1st Oct leg -- I worked 41 stations on 23 cm: G3LTF, OK2DL, PI9CAM, SV1BTR, IZ1BPN, LZ1US, ON4BCB, OK1KIR, HB9MOON, LA9NEA, OZ4MM, SM4IVE, G3LTF, RA3AQ, SP6JLW, DL0SHF, G4CCH, SV1BTR, WA6PY, OK1CA, OK2DL, HB9Q, PA0PLY, SV3AAF, OK1DFC, GW3XYW, SP3XPO, ES5PC, YO8BCF, GM4PMK, IK5QLO, ON4BHM, DF3RU, S59DCD, ON4BCB, IW2FZR, K1JT, LZ2US, N2UO, PA3FXB and N4PZ, but only 12 on 70 cm: OZ4MM, IINDP, UA3PTW, G3LTF, OK1DFC, DG1KJG, PA3DZL, OH2PO, SM2CEW, K1JT, K3MF and JA6AHB. I found activity and conditions were pretty rough on 70 cm and did not spend long on the band. On 16 Oct I was again was QRV on 70 cm and worked OK1DFC, DF3RU and PY1KK. And finally on 20 Oct, I was able to put CE0Y (23DB/O) in my log in straight periods. At first when they came on, their clock was around 10 secs out; once they fixed that, they were a fairly easy to work. I will not be QRV from G during the second leg as I will be in EA8 during and hope to be QRV from there with the usual equipment. Look for EA8/G4RGK on 2 m and 70 cm.

IINDP: Nando nando.pellegrini@tiscali.it reports on 432 during the ARRL 1st leg – I found very low activity for the whole weekend. The single band single option, given by the contest rules, does not encourage high activity on 70 cm. Despite the low turnout, I still worked the following stations: OZ6OL, N4GJV, SP6JLW, W8TXT, DG1KJG, K7XQ, KL6M, G3LTF, PI9CAM, JA9BOH, UA3PTW, JA6AHB, I5CTE, DL7UDA, IK6EIW, G4DHF, OK2POI, G4ALH, SM2CEW, KL7HFQ and PA3DZL. Conditions were not bad (although not the best either) but stable with some unusual rapid QSB giving big trouble in copying weak signals. I lost some QSOs because many stations give up too early. I will be QRV again in the next leg.

IK5QLO: Andrea ik5qlo@gmail.com had a great fun on 23 cm with his small dish in the contest -- Despite my moon window (el >22~25°) and operating time restrictions, this first leg was my best EME contest weekend ever! My new SSPA performed fine, permitting me to hear my own echoes from time to time. TNX to SM4IVE, DL0SHF, HB9BBD, LZ2US and IZ1BPN for providing Moon beacon signals! I ended with 31 QSOs, 23 on CW and 8 on WSJT (1 dup). I worked on CW: SM4IVE, IZ1BPN, DL4MEA, DL0SHF, HB9MOON for an initial (#), HB9BBD (#), SP6JLW, LZ2US, OZ4MM, SV1BTR, OK2DL, LA8LF, G3LTF, K1JT (#), OK1DFC, OK1CA (#), G4CCH, HB9Q, RA3AQ (#), K5GW, OH2DG (#), N2UO and ON4BCB. Heard were N0OY and SV3AAF, and on JT65C: HB9Q, PY2BS, DF3RU, GW3XYW (#), G4RGK (#), G4DZU, ES5PC and YO8BCF. My rig is a 2.4 m solid dish with 0.37 f/d and a septum feed (no ring), 300 W at feed SSPA and FHX35LG 0.5 dB NF LNA.

JA4BLC: Yoshiro ja4blc@web-sanin.co.jp writes that he was during both the ARI and the ARRL EME Contests – During the ARI Contest on 25/26 Sept, I worked on 23 cm N2UO, OK2DL, OH2DG, ON4BCB, OK1KIR, LZ2US, ES6RQ, IK3COJ, G4CCH, PI9CAM, HB9IZ, SV1BTR, G3LTF, S59DCD, DF3RU, G3LTF (DUP) and UA3PTW on Saturday, and JA6CZD, N4PZ for an initial (#), JA8ERE, IK5QLO, JA6AHB, IW2FZR and SP7DCS on Sunday. During the ARRL Contest weekend on 2/3 Oct I worked on 1296 46 stations on CW, including initials with YO8BCF, UT2EG and DL6SH. During the contest I noticed my frequency was jumping around. On Sunday afternoon, I replaced the local oscillator of DB6NT 13G2 with an N5AC synthesizer locked by a Z3801A. I believe this cured the problem.

JA6CZD: Shichiro's ja6czd@mx35.tiki.ne.jp was active on 23 cm during the ARI Contest on 25/26 Sept and QSO'd JA4BLC, JA8ERE, DF3RU, LZ2US, JA6AHB, G3LTF and S59DCD. On 28 Sept he worked ON5TA on 6 cm for the first ever ON-JA on this band. Shichiro was also active during the ARRL EME contest, but no information has been received. [TNX JA4BLC for forwarding this report].

JA8ERE: Mikio sgl01011@nifty.com worked on 23 cm during the ARI Contest on 25/26 Sept N2UO, N4PZ, PI9CAM, DF3RU, IZ1BPN, JA6CZD and JA4BLC. I believe Mikio was also active during the ARRL first Oct contest weekend. [TNX JA4BLC for forwarding this report].

K1JT: Joe k1jt@arrl.net reports that 432 and 70 cm contest activity was again from K2UYH's QTH using the call K1JT. The operating team consisted of K2UYH, K2TXB and K2BML. Activity was huge on 23 cm, but somewhat disappointing on 432. We QSO'd on 2 Oct on 1296 DL0SHF (579/529), LA8LF (569/579), IZ1BPN (569/579), ES5PC (569/579), SM6FHZ (569/569), OK2DL (559/559), SP6JLW (569/579), HB9MOON (569/559), SM4DHN (559/559), LZ2US (569/589), DF1SR (569/569), DJ3FI (559/559), UT5JCW (559/579), UT2EG (559/559), S50C (559/549), SV3AAF (569/569), PA3FXB (569/559), G3LTF (569/569), NY2Z (559/559), IK5QLO (559/559), DF3RU (569/559), DL1YMK (569/569), RA3AQ (569/589), SM4IVE (589/579), N2UO (569/569), DL6SH (559/579), OK1CA (569/579), S59DCD (559/559), LA9NEA (559/569), WA6PY (559/579), OH2DG (569/569), F5JWF (559/589), HB9Q (2DB/6DB) JT65C, K7XQ (11DB/O) JT65C, UR5LX (23DB/O) JT65C, SM0ERR (16DB/O) JT65C, YO8BCF (7DB/8DB) JT65C, W5LUA (O/9DB) JT65C, PA3FXB (8DB/9DB) JT65C (DUP), G4CCH (10DB/5DB) JT65C, VA7MM (559/579), NA4N (559/559), K4QI (569/569), AL7RT (559/559), G4CCH (559/589) (DUP) and W9IIX (559/559), then on 432 K3MF (13DB/12DB) JT65B, G4RGK (14DB/9DB) JT65B, DL7APV (8DB/O), N8CQ (559/559), LU1C (O/O) JT65B and K5SO (569/559), back on 1296 VE7BBG (O/O) JT65C, then 432 for JA9BOH (O/O), and 1296 again for K2DH (579/559), N4PZ (579/559) and VK3UM (559/559), and on 3 Oct starting on 432 K4EME (559/559), OH2PO (559/559), SP6JLW (559/559), OZ6OL (559/559), N4GJV (569/559), PA3CSG (559/559), W8TXT (569/559), G4DHF (549/559), WA6PY (559/559), OZ4MM (559/579) and PA3DZL (559/559), switched to 1296 OZ4MM (559/579), G4RGK (559/559), IW2FZR (589/569), SV1BTR (589/569), SD3F (589/569), OZ6OL (569/579), IK2MMB (569/569), VE6TA (579/559), PA0BAT (569/559) and F5KUG (559/559), then on 432 WE2Y (O/20DB) JT65B and W7MEM (21DB/O) JT65B, back to 1296 for PY2BS (8DB/9DB) JT65C and W7IUV (17DB/11DB) JT65C, then on 432

W7CI (449/449) and finally on 1296 JA6CZD (449/559) for a total of 61x32 on 1296 and 21x17 on 432.

K4EME: Cowles [candrus\(x\)mgwnet.com](mailto:candrus(x)mgwnet.com) has a new e-mail address and sends news on his 432 active during the ARRL EME Contest thus far -- Please note: my e-mail address [already shown] and web page have changed. My new home page is <http://www.mgwnet.com/~candrus/>. In the contest, I worked 15 stations on 70 cm. QSO'd were DL7APV, G3LTF, W8TXT, OH2PO, SM2CEW, VE6TA, K5SO, OK1DFC, N4GJV, UA3PTW, KL6M, VK3UM, OZ4MM, KIJT and JJ1NNJ. All stations worked were via the CW mode. I just upgraded my receiver by adding a 7 pole 300 Hz IF filter on 10-08-2010, after the first leg of the contest. I hope this will improve my hearing! I need all the help I can get! I could see a lot of other stations trying to contact me after my CQs, but just could not pull them out. I am very sorry about missing these stations. I am planning to be on the Moon on the next leg of the contest and maybe the IF filter will help me some. My station is 8 x FO-33 yagis with a cavity preamp. Last time I measured my noise figure with a HP8970. I had a NF of 0.35 dB. I run my power amplifier at about 1 kW. Technology is moving in on me, so sometimes I get QRM that makes it hard to hear. Since the QRM varies, please keep trying if you have not worked me. I hope to work you on the 2nd leg of the ARRL contest on 70 cm.

K5SO: Joes [k5so\(x\)valornet.com](mailto:k5so(x)valornet.com) writes on his ARRL EME Contest activity -- I had fun on 70 cm EME working 14 EU/US stations on moonrise including 8 initials and 2 JAs both new on moonset. No VKs were heard, while I was looking. Ol' Murphy tried to foil my QSO with JA0TJU by interrupting the B+ line to my driver tube (it fell off), while I was calling him but the FB op on the JA side was kind enough to stick around long enough for me to find it, fix it, and return to finish up with him!

K6LG: Clair [cceess\(x\)sbcglobal.net](mailto:cceess(x)sbcglobal.net) is new on 70 cm EME. Because of his small station, he is concentrating on JT QSOs, but would eventually like to make some contacts on CW. He has now made three and a half QSOs for 4 EME skeds. He has QSO'd DL7APV, K2UYH, P19CAM and a partial JA6AHB. He received only "73" - nothing else. He was disappointed to hear nil during the first Oct ARRL contest weekend, but will be looking again for QSOs during the next weekend.

KJ6HZ: John [kj6hz\(x\)amsat.org](mailto:kj6hz(x)amsat.org) writes and what he heard during one night of the ARRL EME Contest weekend -- I tried to get my 432 station on the air in time for the ARRL contest, but I was fighting off the flu and didn't get as much done as I'd hoped. I did get the receive side working, but didn't get the transmit stuff hooked up in time. On the first pass I saw good signals from DL7APV, OK1DFC and DK3WG on JT despite a very lossy RX coax back to the shack. I wasn't feeling well and missed the second pass. I plan to have the transmit side going in time for the second weekend. I will be working both CW and JT. My station consists of 4 x 19 el yagis, around 300 W from 2 x 4CX250Rs and 0.3 dB NF LNA.

LA9NEA: Viggo [la9nea\(x\)online.no](mailto:la9nea(x)online.no) is back on 1296 eme with his 5.2 m dish and a 500 W SSPA -- During the ARI EME Contest, I operated my station remotely from my apartment for the very first time and worked the following EME stations: OK2DL (539/549), ON4BCB (559/559), P19CAM (589/589), DF3RU (549/549), UA3PTW (O/RO), IZ1BPN (559/559), LZ2US (559/559), UT2EG (549/449), N2UO (559/559), N4PZ (569/569), S59DCD (549/449), K2DH (549/549) and SV1BTR (559/559).

OK1CA: Franta [strijavka\(x\)upcmail.cz](mailto:strijavka(x)upcmail.cz) send his contest report -- I was QRV in the first Oct part of ARRL EME Contest on 23 cm. I finished with a score of 72 QSO. New stations worked were DJ3FI, S59DCD, N4PZ, YO8BCF, VK4CDI, IK5QLO, PA2DW and W7JM to bring me to initial #259. The condition and activity were very good.

OK1DFC: Zdenek [ok1dfc\(x\)seznam.cz](mailto:ok1dfc(x)seznam.cz) reports on his very impressive first Oct contest weekend -- I finally finish all my QRL trips on Friday afternoon. I had time to finish a new power supply for my 432 PA and was able to run full QRO again after a long time. Conditions on 432 were great; and I decide to remain QRV on 70 cm for whole Moon pass as the second pass would be affected by EU UHF-SHF tropo contest activity. I expected much lower QRM on 1296 than 432. This strategy worked very well as I have no problem from the QRO tropo stations on 23 cm. I worked 40 QSOs on 432 and added 8 initials. On 1296 I made 70 QSOs with 37 multipliers, but only added one new one with DF3JI. After the contest I QSO'd TI2AEB for a new DXCC. He was very strong and speaker copy at (20DB) on JT65B. I am looking forward to the second leg and hope the WX permits me to operate my dish.

OK1KIR: Tonda (OK1DAI) and Vlada (OK1DAK) [ok1vao\(x\)o2active.cz](mailto:ok1vao(x)o2active.cz) participated in ARI CW contest for just one Moon pass between Saturday to

Sunday -- With the Moon at apogee and continuous rain conditions seemed somewhat degraded. Nevertheless we worked 25 Sept on 23 cm CW JA4BLC (559/559), 2131 OK2DL (559/559), 2135 G3LTF (559/559), 2149 UA3PTW (559/559), 2159 IZ1BPN (569/559), 2205 P19CAM (589/589), 2209 SV1BTR (569/559), 2222 LZ2US (559/559), 2258 S59DCD (559/529) and 2313 G4RGK (O/O), and 26 Sept at 0555 IK3COJ (559/559), 0604 OH2DG (569/559) and 0709 AL7RT (O/449). Heard were DF3RU, HB9IZ, JA6CZD, LA9NEA and ON4BCB, and a partial QSO with 4Z5LV (T-M/O). Out of the contest, we worked on JT65C, on 25 Sept at 1751 ZL1WN (9DB/O), 1808 JA1WQF (9DB/8DB), 2029 UN6PD (19DB/14DB) and 2035 G5WQ (23DB/20DB) for digital initial {#72}, and on 26 Sept at 0644 P19CAM (4DB/6DB). And on 13 cm we worked on 26 Sept at 0033 DL1YMK/A (O/O) for initial #103 and at 0049 LZ1DX (O/O). Otherwise we found the 13 cm band empty. We have experienced this situation before, and have concluded that more satisfaction and exciting can be obtained from single band activity weekends than multiband contests, where there is almost no time to deal long time with weak signals and loose QSOs as stations are spread over different bands. Moreover, changing bands is not an easy for many stations and consumes time and human power, especially when the weather does not co-operate, hi. [OK1KIR was not active during the ARRL EME Contest because of the conflict with tropo activity].

OK1TEH: Matej [ok1teh\(x\)seznam.cz](mailto:ok1teh(x)seznam.cz) has completed the first single yagi WAC on 432 -- On 16 Oct I finally worked PY1KK (28DB/29DB) using JT65B. SA was my last missing continent for 70 cm WAC with a single yagi (23 el 5.7 m). This was my mixed initial 52*. Bruce was using a new 800 W SSPA and his 4 m dish. I also worked on 10 Oct PA3DZL (24DB/26DB) JT65B #51*. He has 4 x 38 el M2 yagis and 1 kW. For both these QSOs I used my new 800 W SSPA made by my father OK1VPZ. This PA is designed to run in JT65 with full 800 W out for very long time. I now have 600 W at the antenna. It was very helpful in my sked with Jac. I had to call him many times before he found me in the average box. I also saw F6FHP (29DB). During Nov I plan to improve my RX with a new LNA near my antenna feed. This change should bring almost a 3 dB performance improvement. I'm looking for iCW/JT65 skeds with small pistol stations.

OZ4MM: Stig [vestergaard\(x\)os.dk](mailto:vestergaard(x)os.dk) reports on the ARRL contest -- It was a very windy weekend here, but I found very good activity on 23 cm, but less on 70 cm. Maybe because I still have some problems with higher noise level on 70 cm in my west window. Just prior to the weekend, I solved a local QRM problem I had in south direction. After a tour on my bicycle with a 70cm handheld yagi and receiver, I found an LCD TV located about 900 m away, which acted like a broadband TX around 432.100 (noise spectrum more than 800 kHz broad!) The noise only existed in the standby mode on the LCD TV! But it seems that there are more noise sources to be located! I had mostly good echoes on 70 cm during weekend, so I will be interested to know if anyone CWN'R'd me? A few days ago I changed my old W2IMU horn on 23 cm to a RA3AQ horn, which improved my sun noise by 1 dB. The old horn was very jumpy after 18 years in the dish, so it needed some care and retuning I believe. The RL on the ports are better than 30 dB, but my G4DDK VLNA2 didn't like this situation. The VLNA2 was dead on the port, and instead I had to use my F5VHX LNA, which is working great. I need to work on the G4DDK VLNA. My result for the first weekend is 35 stations on 70 cm and 68 stations on 23 cm. I had initials with PA2DW, VK4CDI and DJ3FI. I plan to be active again in the last part too. Many thanks for a great weekend.

PA0PLY: Jan [jan.kappert\(x\)comtestnl.com](mailto:jan.kappert(x)comtestnl.com) had disappointing results in the microwave EME contest in Sept, but did do much better on 1296 in Oct -- The first leg of the ARRL EME contest did not go well, just looking at traces from F2TU, it became clear that I simply was not ready to run on 3 cm. I then focus my on 23 cm and was prepared my dish to run in ARI EME contest. I attempted to start at 0400, but was visited by Mr. Murphy. 15 minutes later my 36" elevation actuator failed, and thus no EME at all! My challenge was with only one week to the ARRL contest to get a new actuator and have my dish running again. After 400 km drive early Saturday morning on 2 Oct, I had fixed all by 1600. It was worth the effort; what a fantastic Sunday I had on 23 cm. I worked JT (version 9) and caught 14 stations, most of them random. At times, I saw what appeared to be a mesh of stations calling, and it was hard to pick out one. I made 7 initials -- all from EU except W5LUA, who was worked with the Moon shining through trees only meters from my dish. QSO'd were HB9Q (9DB/O), UN6PD (24DB/20DB), YO8BCF (17DB/O), G4RGK (17DB/20DB), OK1DFC (8DB/18DB), PA3FXB (17DB/17DB), PA7JB (18DB/15DB), ES5PC (12B/14DB), PA3CSG (13DB/14DB), PA2DW (21DB/O), G4DZU (19DB/16DB), G4CCH (16DB/13DB), DF3RU (23DB/O) and W5LUA (17DB/17DB). Heard were IK5KLQ, EJ6O and LZ2KZ. During my QSO with PA2DW, I copied Dick by both EME and what I believe to be aircraft scatter. This was the first time I have seen aircraft scatter!

PY1KK: Bruce (PY2BS) [bruce\(x\)zirok.net](mailto:bruce(x)zirok.net) writes about his portable 70 cm station -- After 8 months of preparations, I'm back on 70 cm at PY1KK with improved setup. I have the same 4 m dish, but now with R&S SSPA at 800 W with feed mounted Xpol LNAs and OE5JFL auto-tracking. During the ARI contest weekend, I worked OK1DFC (JT+CW), SM4IVE (CW), OK1TEH (JT) to Matej's single yagi WAC, OZ4MM (CW), UA4AQL (JT), G4RGK (JT), EA3XU (JT), YO3DDZ (JT), DF3RU (JT), PA3DZL (JT), DL2NUD (JT) and UT6UG (JT). PY1KK will be QRV during the southern Earth summer vacation time (last third of Dec and most of Jan) and possibly some weekends before. If anyone is interested on an early try, please send an e-mail, so that I can inform you in advance when I am going there.



PY1KK 4 m dish and new 800 W SSPA – great location!

SD3F: Carl [sm3akw\(x\)spray.se](mailto:sm3akw(x)spray.se) was active in the ARRL contest -- On Saturday I stayed on 70 cm, but worked just 20 stations, so still have many to chase next time. On Sunday I spent my time on 23 cm, which was very enjoyable. I worked 46 in total, but there are still plenty to look for in the next leg when the big guys no longer need them.

SM4IVE: Lars [sm4ive\(x\)telia.com](mailto:sm4ive(x)telia.com) has the undisputed early lead on 23 cm in the ARRL EME Contest with 91 QSOs and 38 multipliers. 43 of his QSOs were initials! And as a result he has ordered new QSL cards. As soon as they arrive, he will mail them out. He is presently rebuilding his motor control system to achieve better AZ tracking (slower speed).

SP7DCS: Chris [sp7dcs\(x\)o2.pl](mailto:sp7dcs(x)o2.pl) was QRV during the ARI EME Contest on only Sunday -- I was QRV on 23 cm for only about 1 hour, but worked DF3RU, LZ2US, G3LTF, JA6AHB, ON4BCB and JA4BLC. I regret that I was not able to be QRV on 70 cm. Before the contest, I found that something was wrong with my array (huge SWR, 100% power reflected) and it is possible that my SSPA was also damaged due to the high SWR. I will not have time to make repairs this year and I will take my 70 cm array down soon, and concentrate on getting a new dish going on 70 cm next year. If WX permits, I hope with my son (SP7MC) to be QRV on 2 m and 23 cm in the ARRL.

T12AEB: Armando [aebonill\(x\)jice.co.cr](mailto:aebonill(x)jice.co.cr) in EJ79wx is now up to 3 QSOs on 70 cm EME. His first QSO was with HB9Q. He recently switched from a single circularly polarized yagi that he used to work Dan, to two M²9 w/ yagis. He has about 70 W at the yagis, but is using the Mirage preamp in his SSPA. He has a lower noise LNA for antenna mounting on order. He QSO'd OK1DFC for initial #2 and K2UYH #3 – [for my DXCC 100]. Armando wants to be a regular on 70 cm EME and is looking for skeds.

W2NNN: Fred [lu6kk1\(x\)gmail.com](mailto:lu6kk1(x)gmail.com) is located in NJ, not Argentina as implied in the report (by LU6KK) in the last NL, and will use his W2 call off the Moon - I was active on 2 m EME from LU between 2001 and 2004. In 2008 I moved to NJ (FN20so) and began my project to be active again on EME, but now on the 23 cm band. I built a 12' portable dish following the ideas of K2RIW, a feed based on RA3AQ's design, and a G4DDK LNA kit (tuned by K5JL to a 0.27 dB NF and a 37 dB gain). The first test of my portable system was in May 2010 when I copied several stations off the Moon. After this first test I have been working to improve my system, but have been able to get more than 5 dB of Sun noise. Now that the fall season has begun, and work outside on my portable system will not be possible, but I plan to be QRV again in the spring and hopefully with some TX power.

W4AS: Sebastian [w4as\(x\)arrl.net](mailto:w4as(x)arrl.net) writes of his first experience on 70 cm -- After being on 2 m EME for about a month, I tuned my rig to 432 and copied OK1DFC at (20DB). I posted on the N0UK logger and Zdenek asked me to call him. I had nothing to lose so I obliged. Much to my surprise, we had a QSO for my first 432 EME contact. Next, DL7APV, Bernd asked me to look for him on 432. Bernd and I had a sked on 432 a few weeks ago, but neither one of us was able to be on the air at the time. I copied him at (22DB) and started to call him. He copied me and sent me my report, but then his signal was lost. Bernd said he had a problem with his power supply, as smoke was coming out of it. I do believe that is a problem! So we just missed completing the QSO. Finally, WA4NJP asked me to look for him on 432 as well. I copied him at (25DB) but lost his trace. I didn't think I had any chance of anyone ever hearing me on 432 EME. My station is a barefoot TS-2000 with 50 W output into an M2 436CP30 single antenna. It is a circularly polarized antenna, which I use for satellite contacts. I do have an antenna mounted preamp. Unfortunately I'm in an area of the country where 50 W is the maximum on 432 without special permission. Don't congratulate me, congrats go to OK1DFC, DL7APV and WA4NJP for having fantastic stations that can hear such faint weak signals! [Regarding USA 432 power restrictions, K1DS shares the following - If you are concerned about the PAVEPAWS radar power restrictions, you only need to write to the field engineer for the FCC in your district, and the military base where the PAVEPAWS radar is located in your geography to get an exemption/permission. I had one for many years when I was located in Providence, RI, near to the Cape Cod military radar. The limitation is only in effect, if you are causing any interference with their operation. You need to provide your location, the means to contact you (phone/cell), if they need you to reduce power and some description of your operation (power, frequency, mode of operation and relative operating times). I think there has been info on the web regarding this within the past year and you can do a search and find out what you need to do to be able to crank up the juice].

WA3QPX: Paul [wa3qpx\(x\)atlanticbb.net](mailto:wa3qpx(x)atlanticbb.net) has his 432 system working very well. In pre-contest activity over the 16/17 Oct weekend, he worked on JT65B DL2NUD (24DB/O), F6FHP (22DB/O) and earlier OK1DFC with the preamp off. WD5AGO's preamp is really doing the trick! Paul is available for both CW and JT skeds.



WA3QPX's 8 yagi 432 array



W2NNN with his 12' stress dish and 1296 feed

WA6PY: Paul pchominski@maxlinear.com was able to be QRV for the first Oct contest weekend during his EU window -- I was active on 144, 432 and 1296. I did not spend much time on 432 as I had bursts of strong wideband noise every 2 seconds lasting for about 1 second. This makes copy very difficult. I hope this QRM will be gone next time. I only QSO'd OH2PO, OZ4MM, K1JT and DL7APV. On 1296 I worked K1JT, SP6JLW, LZ2US, SM6FHZ, OK2DL, SV3AAF, DL6SH, LA9NEA, SV1BTR, DL0SHF, G3LTF, SM4IVE, RA3AQ, G4RGK, LA8LF, HB9MOON, DL1YMK, OK1CA, K4QI, N2UO, W9IIX, VA7MM, NA4N, HB9BBD, IZ1BPN, OK1DFC, K2DH, SP7DCS, UT2EG, S59DCD, VE3KRP, OZ4MM, SD3F, OZ6OL, N4PZ, PA0BAT, G4CCH, VE6TA and OH2DG. I hope I did not omit any QSO from this list. Low DEC makes my window relatively short. I did not have time during day hours to work to the western horizon for JA/VK. I hope to be more active during last part of the contest. I am rebuilding the LO in 5.7 GHz transverter in order to improve frequency stability. Standard PLL might be to noisy. In band phase noise is not a problem, but out off band will increase QRM caused by reciprocal mixing of 802.11a and other interferers. I will try to PLL my existing 124.8 MHz Xtal oscillator. This one has lower phase noise at few MHz offset. The 3.4 GHz transverter is now PLL locked to a 12 MHz TCXO. Measured drift between ambient temperatures during the day 40 deg C and during the night 10 deg C is less than 500 Hz.

WD5AGO: Tommy wd5ago@hotmail.com sends news on his Oct 70 cm efforts -- Last month we had our new 300 W MOD SSPA ready, but with about 10 min of testing time on the device, the output power began to drop and eventually quit. After testing the gate to source resistance, e found it was only 15 ohms. The device was not overdriven, it just died. A new device was purchased and is now back in operation, but of course after the contest weekend! So we were stuck with just the 100 W amp for the ARRL contest weekend. We did work OH2PO, OZ4MM, OK1DFC for an initial (#), SM2CEW and DL7APV. CWNr were K4EME, W8TXT, N4GJV, VE6TA, K5SO, PA3DZL, UA3PTW, DF3RU, KL6M, VK3UM and W7CI. We did not call but heard with great signals were N8CQ and WA6PY's single yagi at (339). We were not going to make it on 70 cm for the 2nd round because of conflicting activities, but we will try for a couple of hours on 70 cm with 4 dB more power.

YO5AXB, Mircea mirceabochis@adslexpress.ro is a new station in KN17tq on 1296 EME. He has only a single 67 el yagi and 120 W and is thus concentrating JT65C to start. At this writing, he has not yet made his first QSO, but is interested in trying.

YO8BCF: Emil yo8bcf@hotmail.com was QRV on 23 cm in the ARRL EME contest -- I operated in single operator al mode class, and on 1296 during the first weekend made 50 QSOs (32 on CW and 18 on JT65C) and 29 multipliers. CW QSOs were SM4IVE, JA4BLC, SP6JLW, DL4MEA, OH2DG, OK2DL, HB9BBD, UT5JCW, HB9MOON, OZ4MM, LZ2US, DF3RU, IZ1BPN, , LA8LF, RA3AQ, N2UO, K5GW, N0OY, SV3AAF, G4CCH, VK3UM, OK1CA, DL0SHF, OK1DFC, SV1BTR, JA6CZD, LA9NEA, DL1YMK, PA3CSG, G3LTF, K2DH and IK2MMB. JT65 QSOs were ES5PC, HB9Q, PA3FXB, K7XQ, K1JT, PY2BS, VK4CDI, PA0PLY, PA7JB, UN6PD, G4DZU, UT2EG, GW3XYW, GM4PMK, PA2DW, G4RGK, VA7MM and IK5QLO. TNX to all for the nice QSOs. It was fun.

K2UYH: I operated the EME contest with the K1JT's team -- see our ARRL contest report under Joe's call. The high light this month was of course completing 432 DXCC after more than 30 years of trying. DXCC was made possible by QSOs on 5 Oct at 1228 CE0/DK2ZF (21DB/O) on JT65B for mixed initial #804* and DXCC 99*, and on 18 Oct at 0000 TI2AEB (26DB/O) JT65B #805* and DXCC 100*. I had a partial with Armando on 4 Oct at 1300 TI2AEB (25DB/-) JT65B and worked at 1358 PY4AJ ((O/O) JT65B for #804*. During the following two weeks Armando doubled his array making QSOs with him relatively easy. I worked a second time on 19 Oct when his signals peaked to (22DB). My TNX to Rolf and Martin and Armando!

NETNEWS BY G4RGK: ZS6AX corrects his report in the last NL. His 5 m dish was sold to ZS5Y, not ZS6Y. Look for Ivo on 3 cm EME with a smaller easier to maintain dish. **JHIEFA** heard during the ARI Contest N4PZ on 23 cm. **JA4HZN** heard during the ARI Contest on 1296 PI9CAM and others on 23 cm, but heard nil on 2320. JJ1NJ was QRV on 1296 during the first Oct contest weekend. During the ARI contest he listened on 13 cm with his new gear, but heard nil. **K6CLS** is interested in 70 cm EME and will be listening during the ARRL contest weekends primarily on JT as he is not much of a CW operator. Cliff's e-mail address is cls@employees.org.

FINAL: As promise last month, I have included the top 5 scores from G4RGK's CW/SS Initials Lists for the bands active bands from 432 to 10 GHz. These figures are based on his Aug postings and on the information submitted.

70 cm CW/SSB Initials (Rank, Call, #)

1	DL9KR	897
2	K5JL	827
3	K2UYH	708
4	K1FO	613
5	SM4IVE	550

23 cm CW/SSB Initials (Rank, Call, #)

1	OE9ERC	363
2	OZ4MM	320
3	G3LTF	319
4	G4CCH	315
5	F2TU	312

13 cm CW/SSB Initials (Rank, Call, #)

1	OK1KIR	102
2	F2TU	101
3	OE9ERC	91
4	OK1CA	85
5	G3LTF	82

9 cm CW/SSB Initials (Rank, Call, #)

1	OK1KIR	32
2	G3LTF	27
3	OK1CA	22
4	WD5AGO	15
5	W5LUA	8

6 cm CW/SSB Initials (Rank, Call, #)

1	F2TU	40
2	OK1KIR	38
3	OE9ERC	35
4	CT1DMK	30
5	W5LUA	23

3 cm CW/SSB Initials (Rank, Call, #)

1	W5LUA	59
2	OK1KIR	52
3	F2TU	52
4	OK1CA	38
5	CT1DMK	27

We also have the 2011 Moon Calendar thanks to the efforts of DL7APV -- TNX Bernd.

I wanted to comment on the format used in the NL for JT reports. I drop the minus sign and run the dB in all caps with no space, i.e. (20DB/15DB). When you see reports, which are always shown bracketed, you know they are for a JT contact.

Starting this month I have substituted @ for (x) in all e-mail addresses. Previously I had done this for the DOC version on the webpage, but not for the PDF version. I do not want to add to the spam problem and did not believe the PDF would cause a problem. I do agree it is better to be cautious than sorry.

Please keep the news and technical info coming. I will be looking for you off the Moon, especially this month as part of the K1JT EME contest team. 73, Al -- K2UYH

Lunar Weekend Calendar for 2011 (by DL7APV)

2400 Sat/ 0000 Sun	Decl/deg	Loss (dB)	Sun off-set/°	Temp 432	Libra-tion	contest dates	Comments & 432 ATP
Jan 1 /2	-24	-0,9	-38 DA	80	+	Just relax	high sky temp
Jan 8/9	-3	-1,9	+52 DP	15	+		vy cold sky/apogee
Jan 15/16*	+23	-1,0	+128 N	35	+	ARRL VHF	ATP sat 22-0 & sun 14-16
Jan 22/23	+1	0	-137 N	20	+		
Jan 29/30	-24	-1,1	-47 DA	100	+		
Feb 5/6	0	-1,9	+32 DP	25	+		
Feb 12/13*	+24	-1,1	+109 DP	40	+	70/23ssb!	Sat 23cm/sun 70cm
Feb 19/20	-2	+0,2	-157 N	20	+		
Feb 26/27	-22	-1,2	-64 DA	100	+		
Mar 5/6	+3	-1,9	-112 DP	25	+	EU V/UHF	ATP Sun 08-10 & 15-17
Mar 12/13*	+24	-1,1	+91 DP	45	+	Dubus2m+3cm!	
Mar 19/20	-5	+0,3	-177 N	25	+		best loss this year
Mar 26/27	-22	-1,2	-81 DA	100	+		
Apr 2/3	+7	-1,9	-72 DA	25	+		Sun close
Apr 9/10*	+23	-1,1	+74 DP	45	+	DUB 5.7&432!	
Apr 16/17	-9	+0,2	+163 N	30	+		
Apr 23/24	-20	-1,2	-100 DA	80	+		Italian EME Meeting?
May 0/1	+10	-1,9	-27 DA	25	+	DUB 3.4!	
May 7/8*	+21	-1,1	+57 DP	35	+	DUB2.3G! EUV	
May 14/15	-12	0,0	+144 N	30	+/-		
May 21/22	-17	-1,2	-119 DA	35	+	Dayton	
May 28/29	+13	-1,9	-46 DA	25	+/-	ARI dig	ATP Sun 5-7 Sun 11-13
June 4/5*	+19	-0,9	+40 DP	30	+	EUMW DUB 23!	
June 11/12	-15	-0,2	+126 N	30	+/-	ARRL VHF	
June 18/19	-15	-1,2	-139 N	30	+		
June 25/26	+18	-1,9	-66 DA	30	+/-	HAM Radio	
July 2/3*	+17	-0,6	-22 DP	20	+	EU V/UHF	ATP Sun 15-17 Sun 8-10
July 9/10	-18	-0,4	+109 DP	35	+		
July 16/17	-13	-1,3	-159 N	35	+/-		
July 23/24*	+18	-1,9	-86 DA	35	+		
July 30/31	+14	-0,4	-4 DP	15	+/-		Sun close
Aug 6/7	-21	-0,5	+93 DP	40	+	ARRL UHF	
Aug 13/14	-10	-1,9	-178 N	30	+/-		
Aug 20/21*	+20	-1,9	-105 DA	35	+	DUB Digi 2m!	ATP Sun 7-9 Sat 23-1
Aug 27/28	+11	-0,2	-16 DA	20	+/-		
Sept 3 /4	-22	-0,4	+76 DP	40	+	EU VHF	
Sept 10/11	-6	-1,9	+163 N	25	+	Weinheim	
Sept 17/18*	+21	-1,9	-123 N	35	+	ARI CW	
Sept 24/25	+8	-0,1	-36 DA	20	+	ARRL MW	
Oct 1 /2	-23	-0,3	+59 DP	20	+	EU UHF	
Oct 8/9	-3	-1,9	+144 N	15	+		
Oct 15/16*	+22	-1,9	-141 N	35	+		
Oct 22/23	+5	-0,2	-56 DA	20	+	ARRL EME	
Oct 29/30	-23	-0,2	+41 DP	120	+		
Nov 5/6	+1	-1,9	+124 N	25	++	EU-2m CW	
Nov 12/13*	+23	-1,9	-159 N	40	+		
Nov 19/20	+1	-0,4	-75 DA	20	++	ARRL EME	
Nov 26/27	-22	-0,2	+22 DP	100	+		
Dec 3 /4	+4	-1,9	+105 DP	25	+		
Dec 10/11*	+22	-1,9	-177 N	40	+		
Dec 17/18	-3	-0,5	-93 DA	20	+		
Dec 24/25	-21	-0,3	-3 sun	180	+		Sun close
Dec 31/Jan1	+7	-1,9	+85 DP	25	+		

Loss = near Apogee (loss=1.9dB), Loss=0dB=near Perigee, ATP=ActivityTimePeriod for 432MHz