432 AND ABOVE EME NEWS
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CONDITIONS: The biggest news this month is of course the DUBUS 1296 CW EME Contest. This contest certainly met expectations with a huge turnout, but surprisingly the contact numbers if anything are down this year, and there is no clear leader that I can identify from the reports thus far received. There was a welcome upturn in participation from North America. As a result I had my highest score ever. Part of the problem may have been the conflict between the ARI Digital EME Contest and the DUBUS CW event, as both occurred on the same weekend. Many stations participated in both contests, which had to take away QSOs from the DUBUS contest. We need to find away to avoid this conflict in the future. The Michael and Monika (M&M) team produced another spectacular dxpedition with operation on 5 EME bands and their first EME on 6 and 3 cm – see the TK/DL1YMK report. PE1L was at 5X1EME in Uganda to add to 70 cm DXCC lists with another dxpedition success! This month JA6CZD made the first 24 GHz EME from JA with OK1KIR. The May 70 cm CW Activity Time Period (ATP) did not have much participation. Part of the problem was the closeness of the Sun to the Moon. In June conditions should be better with the ATP split between 17 June 1400 to 1600 and 24 June 1100 to 1300. The final leg of the DUBUS EME Contest on 5760 will also take place on 23/24 June. See the end of this newsletter (NL) for the results of the 432 & Up Parallel CW 2011 ARRL EME Contest.

Monika with TK/DL1YMK dishes used on 70 thru 3 cm

EME2012 CAMBRIDGE: See http://www.eme2012.com/eme/delegates.html. Are you on the list? Is your country represented? Over 150 EMEers are now booked to attend. There is still time to make plans to be there. In addition to Day passes, the conference committee has added a "one night" package for those who can get to Cambridge in time for the start of the program on Friday 27th and who would like to leave on Saturday evening. This lower cost option is ideal for those from the UK and nearer Europe. The presentation program and full details can be found at www.eme2012.com.

MIROWAVE ACTVITY WEEKENDS (AWs): There will be a 9 cm AW on 14/15 July and a 3 cm AW on 8/9. These are the "consensus" dates proposed by G3LTF after considerable discussion. Peter could not find a suitable high DEC weekend (overwhelmingly favored for the AWs) for 6 cm. Some stations plan to focus on 6 cm testing during the weekends around the DUBUS 6 cm contest. It should be noted that AWs are not contests. G3LTF writes -- The idea of an AW is to get on with whatever gear you can put together and test it, hear signals, and make QSOs. We hope that some of the bigger signals, LX1DB, K5GW, W5LUA, F2TU, OK1KIR will be there as "beacons". Don't forget, whatever you believe is the upper frequency limit of your dish, it's probably twice that figure. The only real restriction is when the mesh becomes too transparent. You can check that in the EMECalc software, and if it's too transparent stick some foil on it as a temporary fix. If you have a dish of about 1.5 m or bigger and a decent tropo system for 6 or 9 cm with a low noise preamp, you can probably hear signals and the larger stations may be able to work you. The HB9Q logger is very useful for these activities, but please respect the rules of QSO validity and don't put QSO data up until it is fully completed.

5X1EME Antennas (432 yagi in center)

5X1EME: Rene (PE1L) hasperrene@gmail.com and PA3CEE had another great dxpedition. Although their personal focus was 2 m EME, they were please to provide some 70 cm QSOs. On 432 using a single long yagi, new 100 W SSPA close to the yagi and a SP7000 preamp, they worked DL9KR on CW, DL7APV, HB9Q, LZ1DX, OK1DFC NC1I, K2UYH, OZ4MM and UA3PTW on JT. They also copied DK3WG, but were unable to complete a QSO. I shall be interesting to see where Rene and company show up next.

DJ3JJ: Andreas dj3jj@gmx.net was QRV for the June 70 cm ATP during the first part (0500 to 0600 QRV) -- I was disappointed to hear no one on. I did get a heard report to one of my CQs on 432.021 (539) from VK4EME, when his antenna was only about 11 ° elevated, but I did not copy Alan. Later, I was very pleased to work TK/DL1YMK (O/O) and after ES5PC (549/549) for two new DXCCs on 70 cm CW EME. SM4IVE was heard phenomenally strong.

DL7APV: Bernd dl7apv@gmx.de made good progress on completing 70 cm DXCC in May despite a problem –- I had for the first time in my more than 10 years of 70 cm EME, a broken open feed line. Just before the activity with TK/DL1YMK! It took me some hours to find and repair. After I had fixed one feed line, I discovered the major problem was at the feed point where the inner conductor was broken. I was finally able to work M&M easily on CW. Earlier in May, I added JA1TGO in PM95 – using 2 or 4 small yagis and 50 W, PA5KM – using 4 x 13 WL yagis, 60 W and no preamp. In the ARI JT EME Contest, I added HL5QO (22DB/20DB) in PM45 – using 4 x 16 el yagis and 130 W, IW9HBY (23DB/13DB) in JM77 - using 4 x 4.7 WL and 100 W, 5X1EME (27DB/11DB) in KJ60, ON4CGX (24DB/14DB) in JO10 – using 1 yagi and 50 W and RD4F (23DB/15DB) in JO10. Condx in ARI contest produced excellent echoes on H-H. The new tower for my vertical array is now painted and I'm waiting for some parts to complete the AZ drive.

F2TU: Philippe f2tu.philippe@orange.fr sends news on his May results – I QSO'd the Corsica dxpedition, TK/DL1YMK, on 5 bands: 70 cm (O/O), 23 cm (43/54) on SSB, 13 cm (55/56) on SSB, 6 cm (539/O) and 3 cm (O / O). My participation in the 23 cm DUBUS Contest was limited by a conflict with family activities, but still managed to work 48 calls in response to my CQs. I shall be looking forward to seeing many of you at Cambridge.

F5SE/p: Franck kozton@free.fr sends his latest report, after several weeks of silence -- Since my Feb report, I randomly worked: OZ6OL (549/559), OK1DFC (579/599), I5MPK (569/579), W4AF (539/579), G4CCH (56/56) on SSB, SM3AKW (559/559), LZ1US (559/559), SP7DCS (569/589), TK/DL1YMK (559/559), UA3PTW (569/579) and S59DCD (549/579). On 17 May, using the special call-sign TM9ELM, I worked TK/DL1YMK (559/569) and OK1KIR (569/569). From 5 May until 19 May I was granted the special callsign TM9ELM in order to commemorate the 50th anniversary of the 144 MHz 9 element antenna designed in 1962 by my father Marc F9FT. EME activity was not planned with that callsign, but as two stations were heard testing on 17 May, I could not help calling them. During the 23 cm leg of the DUBUS Contest, I worked 63 stations and 52 multipliers. Among them were the following new stations: RA3YF (569/559) for initial #119, PA3CSG (569/569) #120, TK/DL1YMK (559/569) #121, UA4AAV (549/559) #122, OHØ/OH3TR (569/559) #123, IK5VLS (429/539) #124, NØOY (579/589) #125, ON5RR (539/549) #126 and WD5AGO (539/579) #127.

G3LTF: Peter g3ltf@btinternet.com had a good month on microwave EME despite some lousy weather – I worked TK/DL1YMK on 1296 on 17 May for initial #354 and DXCC 58, and on the next day on 432 for initial #447. On 19 May, I worked them on 2320 as TK/SA6BUN for initial #106 and DXCC 38, and later had a nice cross-band QSO with WA9FWD #107. On 20 May, I was on 432 for the ATP but condx were awful and I only worked SM2CEW. The sun was too close to the Moon. On 24 May, I tried to work TK/DL1YMK on 6 cm, but although we both copied each other, I was not sure enough that I had copied their (OR) report to send Rs. In the DUBUS contest on 26 May, I worked VK3UM, DL3EBJ, SP7DCS, SP6JLW, OK1DFC, UA3PTW, VK3NX, RA3YF #355, TK/DL1YMK, UA4AAV #356, SD3F, G4RGK, NA4N, ES5PC, CT1DMK, LZ2US, OK1CS, F5SE/P, RA3AUB, I1NDP, PA3DZL, OE5JFL, OK2ULQ, HB9SV, W5LUA, ON7UN, VE3KRP, VE4MA, N2UO, W3HMS, K2UYH, VA7MM, OH0/OH3TR #357, SM7FWZ, N4PZ, WA6PY, VE6BGT #358, VE6TA, F2TU, G4CCH, WW2R, SV1BTR, JA6AHB, JA8ERE, F5JWF, S59DCD, IK6EIW, OK1CS, G3LQR, IZ1BPN, ON5TA, OZ4MM, SV3AAF, IZ2DJP, IW2FZR, DF3RU, WD5AGO, WD5AGO and WA8RJF for a total of 63 QSOs. It was good to see a bit more activity from NA this time. Although the overall activity was high, I think it was a bit down from last year. On 28 May, I was on 1296 random and worked WW2R on CW, and had a chat with OZ6OL on SSB with amazingly good signals. I am not sure why except that the Moon was in a very cold part of the sky. My thanks again to Michael and Monika for their tremendous effort in bringing TK on the Moon on CW on 5 bands.

HB9Q: Dan (HB9CRQ) dan@hb9q.ch sends his TNX to PE1L and his team for their FB QSOs and Rene's efforts to activate another new country on 432 EME.

IK5QLO: Andrea ik5qlo@gmail.com reports on his 26/27 May contest weekend activity on 1296 – As I had only a few hours to spend on the radio, and there was an ARI Digital EME Contest, and since I am a loyal ARI member, I decided to focus my precious Moon time operating the ARI contest. It is a real shame that every year, we have conflicting dates for the DUBUS 23 cm EME Contest weekend and the ARI Digital EME weekend. I can't believe this issue can't be fixed! On Saturday afternoon, I visited my friend IK5VLS, who made his debut on EME in the contests, and made a few CW calls from his very nice station. Gabriele he has done an excellent job. Back at home, I found variable conditions but for sure the JT activity was the best that I have ever heard during an ARI contest. I managed to work 15 stations on JT65 and heard more. I also worked 2 stations on CW. Many Italians were active on 23 cm EME on both CW and JT - well done guys! I also witnessed a long path QSO between JA6AHB (moonset) and PY2BS (moonrise) - congratulations!

JA4BLC: Yoshiro ja4blc@web-sanin.co.jp has come back on 10 GHz EME after two years absence -- I worked OK1KIR (559/549) on 10368/10450 cross band on 28 May. I finished a new 3 m dish (Cassegrain feed with a 30 cm dia. sub-reflector as the main reflector is deep f/d 0.25) and got 13.5 dB of Sun, 1.2 dB of Moon and 3.5 dB CS/G noise. Unfortunately the dish is located at the corner of my car park and has a very limited window (available AZ 190-255 degs). I am using a Kuhne WG preamplifier and 25 W SSPA, which are the same as used two years before. I tried a sked with JA8ERE on 10450.1 on 27 May, which resulted in a partial (T/M). I worked on 3 May, on 13 cm HB0/DF1SR, and on 19 May TK/SA6BUN for an initial (#). I worked on 23 cm on 17 May TK/DL1YMK, on 22 May TK/DL1YMK again and I1NDP, on 24 May JH3EAO (after 11 years of QRT), and 26/27 May in the DUBUS contest 29 stations.

JA6CZD: Shichiro ja6czd@mx35.tiki.ne.jp finished on 27 May the first ever QSO on 24 GHz EME from Japan with OK1KIR. He used 2.4 m offset dish, Kuhne WG-input preamplifier and a 30 W SSPA at the feed made by JA8CMY. Shichiro is getting 13 dB of Sun, 2 dB of Moon, and 3 dB CS/G noise. [TNX to JA4BLC for forwarding this report.]

JA6CZD in front of his 24 GHz station

JA8ERE: Mikio sgl01011@nifty.ne.jp has 3 m TVRO mesh dish operational on 3 cm and is getting 12 dB of Sun and 0.9 dB of Moon noise. He has a 25 W SSPA, and tried with JA4BLC on 10450.1 on 27 May without success. Mikio heard JA4BLC (M). [TNX to JA4BLC for forwarding this report.]

K1DS with portable 10' dish for 1296 EME

K1DS: Rick rick1ds@hotmail.com operated the DUBUS 23 cm contest weekend with a portable station -- I was very satisfied that I made three CW 1296 QSOs on the second pass of the DUBUS activity weekend. I worked F2TU

(O/O), N2UO (O/O) and K2UYH (549/559). I also worked K2UYH (O/M) during the first pass. I heard many others including SV1BTR, G4CCH, N4PZ, F5SE/p, OK1DFC and the biggest signal PY2BS, and got several QRZ responses. After a 6 year part-time effort to gather the right stuff, I was able to operate my portable station on the driveway in my antenna restricted community. Operating EME is limited by the need to place the dish petals and feed and the trailer in storage between each outing. The station is a modest 10' dish, OK1DFC feed, a .3 dB NF WD5AGO preamp, and a DEMI 120 W SSPA. The dish is mounted on a short tower section on a 4' X 8' trailer with a tower mounted rotor and an elevation jack, using a Lidl digital level (from the Wurzburg EME meeting) with remote readout. The difference between Saturday and Sunday was a change in the position of the feed as instructed by N2UO. I followed W1GHZ's advice to use 48" as he thought that was the measurement appropriate for the feed that had been attached to these dishes when they were in C-Band use. I thought we had measured 2 yrs ago 54", but it was 44". So we initially set the feed at about 49", and then moved it to 48", but the real distance needed was 42.8". More work to optimize the small station is in the works. Many thanks to all those who helped along the way.

K6JEY: Doug drzarkof56@yahoo.com was QRV during the first pass of the 23 cm DUBUS contest -- We were using only 50 W and then managed to coax 100 W out of the amp. I am Still using a 10' dish and .18 dB NF preamp. We heard N2UO but couldn't raise him and worked K2UYH and VK3UM later on. We only had one night to be on, but enjoyed it. I had my GS15b PA ready to go, but it had a HV problem and wasn't fixable at that point. We hope to be on in the fall for more EME fun, but with 300 W.

N4PZ: Steve n4pz@live.com did well on 23 cm in May -- I worked 52 stations, but am not about multipliers yet. I am worn down. Nothing blew up and I was running about one QSO every 6 minutes all day. I didn't miss many. There were only 2 that I couldn't copy no matter how hard I tried. I think I also lost some in pile ups. I know one was VE4MA, I also failed to recognize VA2MM. I had VK on my brain and couldn't shake it. I missed the Asian window the first night because I was working on some parts for a VK, who is building one of my 2 m amps. I did work abt 13 Asians including VK4CDI, who has a small dish and 100 W. I worked ZS5Y for my first Africa, a couple of weeks ago. He was weak, but persisted til we got it done on CW. Many of the digital guys are workable on CW, if you can get them to try it. I think they fail to understand how a 100 CPS filter can increases SN ratio. [Regarding multipliers, every unique prefix is a separate multiplier. Thus WB2 is a different multiplied than WA1, etc. NU2 would be different from N2.]

OH0/OH3TR: Petri (OH3MCK) petri.kotilainen@nokia.com provided some information on this effort. OH1FF, OH3MCK, OH5LK and OH1LRY joined forces to bringing their small portable station to the Radio Amateur Technology Society in Finland's (RATS) annual Nordic VUSHF meeting (JP90sf). The station consisted of a 4.2 m solid dish, RA3AQ feed and a 150 W SSPA. Solid echoes were copied. The dish was mobile and mounted on a 4 wheel trailer that was towed by car from Finland and crossed over to Aland Island by the Turku-Långnäs ferry. A total 29 CW and 1 JT QSOs were made during the contest weekend. Stations worked were SV1BTR, OK2DL, LZ2US, PA3CSG, OK1DFC, SP7DCS, DL3EBJ, UA3PTW, JA6AHB, RA3YF, PA3DZL, PA3FXD, RA3AUB, I1NDP, F5SE/p, SM7FZW, G4CCH, OK1KIR, SP6JLW, HB9SV, SM6FHZ, SD3F, OK1CS, K2UYH, N2UO, N4PZ, G3LTF and ES5PC.

OH0/OH3TR 4.2 m portable dish at Nordic VUSHF meeting

OK1KIR: Tonda & Vlada vladimir.masek@volny.cz send their club's May activity report – We worked on 432, on 29 May TK/DL1YMK (O/M) CW for initial #374 TNX to Michael's super ears and very good conditions as we lost our PA. We had only 150 W! We even found a trace of our own very weak echoes when there occurred at a "hole" in our local background noise. Our normal CS/G noise is about 3 dB on 70 cm. Tnx to M&M we worked TK/DL1YMK on all 5 bands! We worked on 1296 on 17 May at 0415 TK/DL1YMK (559/559), 0743 OZ4MM (579/579), 0841 UA3MBJ (O/O) for initial #331, 0938 TM9ELM (569/569) – same as F5SE/p and 0959 PY2BS (569/569), all on CW. In DUBUS contest, we only made a partial appearance on 26 May and added at 1011 SP6JLW (569/579), 1015 UA3PTW (569/579), 1019 SP7DCS (569/589), 1026 VK3NX (559/589), 1041 SM7FWZ (559/579), 1104 TK/DL1YMK (549/559), 1125 G4CCH (589/589), 1131 JA4BLC (559/559), 1442 OH0/OH3TR (559/559) #332, 1501 OK2DL (579/599), 1504 DL3EBJ (559/559), 1620 OK2ULQ (549/579), 1630 SV1BTR (579/579), 1650 PA2DW (O/O) #333, 1737 RA3YF (569/579) #334, 1941 OK1DFC (579/579) and 2149 K2UYH (569/569). On JT65C were QSO'd on 17 May at 0813 UA3MBJ (23DB/16DB) for digital initial {#113}, and on 26 May at 0917 VK2AMS (23DB/16DB), 0923 VK2DJS (16DB/9DB), 0928 VK2DVZ (23DB/12DB) {#114}, 0935 VK2CBD (16DB/9DB) {#115}, 1225 IZ4MAO (14DB/O) {#116}, 1235 PA3FXB {12DB/11DB}, 1251 YO2BCT (17DB/O), 1308 SV1CAL (19DB/16DB), 1314 JA1WQF (16DB/O), 1331 PA2DW (22DB/19DB) #117, 1403 PA3DZL (12DB/10DB), 1423 PY2BS (6DB/10DB), 1520 IK3COJ (15DB/10DB), 1529 IK3GHY (13DB/O), 1537 IK5VLS (16DB/13DB) {#118}, 1552 RD3DA (14DB/5DB), 1702 UA3MBJ (20DB/20DB), 1818 OK1DFC (6DB/6DB), 1833 G4CCH (6DB/10DB), 1842 IK5QLO (20DB/O), 2043 LU1GCB (21DB/O) and 2058 VA7MM (11DB/11DB). We worked on 2320 on 19 May at 0457 TK/SA6BUN (549/559) for initial #116 and DXCC 43. We worked on 5760 on 24 May at 0930 TK/DL1YMK (O/O) for initial #57 and the first TK-OK 6 cm QSO, 1005 DL7YC (559/559) and 1048 ON5TA (O/O). On 10368, we were shocked by terrible local wideband digital QRM at low elevation! A local beacon, OK0ET, totally disappeared. This QRM fortunately above about 10 degs el decreased (our dish 4.5 m has a beam of ~ 0.5 degs). We worked on 28 May at 1128 JA4BLC (549/569), 1430 PA0EHG (569/549), 1436 F2TU (559/559) and 1547 TK/DL1YMK (O/O) for initial #67 and the first TK-OK 3 cm QSO. On 24048, we worked on 27 May at 1045 JA6CZD (O/O) for initial #12 and the first JA-OK 1.2 cm QSO, PM field, new continent and OK1KIR's 1,000th initial on 432 & up EME! This QSO is new OK distance record of 8,840 km. Later we QSO'd at 1447 G4NNS (O/O) and heard LX1DB (559) and RK3WWF (M~O). OK1KIR will be several weeks QRT due to expansion/redesign of our 4.5 m dish to 6 m for the lower bands.

PI9CAM: Jan (PA0PLY) Jan.Kappert@comtest.eu reports that they will be QRT for some months while the CAMRAS dish under goes professional restoration. If all goes well they hope to be back on before the end of the year. (They have learned that the dish was much heavier then they calculated. It weights more than 25 T.)

Lift off of PI9CAM 25 m dish for maintenance

PY2BS/PY1KK: Bruce py2bs@me.com reports on EME from his 2 locations -- I had a very nice lunar month! I was especially pleased to QSO TK/DL1YMK on 13 cm and 23 cm. I also tried on 6 cm from my coastal QTH (PY1KK), but had no success. Instead, with the stir generated by M&M's, I add four initials with PA3DZL, PA0EHG, DL7YC and SV3AAF. These bring my initial count on 6 cm to #17. Many TNX to M&M for another magnificent multi-band dxpedition. I also had 45 QSOs during DUBUS and ARI contest weekend. I made 28 QSOs on JT, and 16 on CW, including initials with HB9SV and RA3YF, and one random (55/55) SSB QSO with CT1DMK - UFB Luis! My total 23 cm initials are now up to #111 on CW and #197* mixed. As my 432 station is now at PY2BS, when at PY1KK I'll be QRV either on 9 cm or on 6 cm, and I am very interested in receiving sked requests for these 2 bands.

SM3BYA: Gudmund sm2bya@telia.com is looking for 13 cm EME skeds before his high power permit runs out on 30 June -- SM3BYA became QRV on 2.3 GHz EME about a year ago. You are probably aware from my reports that the Swedish P&T is planning to withdraw the 2300-2400 amateur allocation, and auction the band to the wireless broadband operators. As a consequence, for the past year our high power EME permits have been valid only for six months at a time. My present permit elapses on 30 June and contains a statement that "a prolongation should not be expected". A recently published report by the P&T now seems to confirm that our 2300 - 2400 MHz allocation will indeed be withdrawn at the end of this year. Sadly, it appears likely that all lawful 13 cm EME activity from Sweden will have to stop soon, at least until we have been able to persuade the authorities to make some concessions and open a narrow slot for us somewhere at either end of the band; actions to that effect are under way. To make the most of the time still left on my hi power permit and improve my statistics (I'm only at initial #33 so far), I am now trying to set up as many skeds as possible with new initials and countries. So, if you are currently QRV on 2.3 GHz EME, but have not worked SM3BYA in JP81nx, would you be willing to run a 13 cm CW EME sked or two with me before 30 June? I have not yet worked EA, PA, LA, OE, 9A or S5 and not LX1DB either. All proposals are welcome! From 15 June until 28 June, I can take skeds just about whenever the Moon is up. I can transmit both in the 2304 and the 2320 segments, but prefer to operate 2304 TX/RX where I have good echoes even at perigee. For some reason my system noise is more than 2 dB higher on 2320 than on 2304. So skeds with EU stations limited to 2320 TX should preferably be scheduled for after 24 June when the path loss has gone down by about a dB; while the moon's declination is then quickly going negative, its elevation at southern transit is still more than 15 degs, enough to give me a couple hours on the Moon every evening until the 28th. The rig at SM3BYA is 3 m solid dish, OK1DFC septum horn with a single choke, 210 W at feed, G4DDK preamp. My overall RX noise temperature is about 35 K (0.5 dB NF). Towards the west my window stops at about 240 degs azimuth - there is a big oak tree in the way there - so skeds with W / VE must take that into account. If you are interested to increase your own initials count and able to make room for a test with me, please email me ASAP with a proposal!

SN2012GAM: Armi kontakt@sp3qfe.net sends news on his slow scan TV EME efforts -- I'm working using the equipment of the EME group from Kłodzko (SP6JLW, SP6OPN and SQ6OPG). On 21 April we sent about 30 pictures respectively using SSTV on the 23 cm band to the PI9CAM dish. All our pictures were received and successfully decoded by PI9CAM team. I also worked them on voice. In cooperation with the PI9CAM team, we transmitted a live on-line event during the Global Astronomy month. We sent about 60 SSTV pictures, including about 20 during the Moon Bounce OPTICKS www.opticks.info STARPARTY, which was transmitted live via the Internet. All the pictures from this event are now available at www.vmb.arisspolska.info. After this test, we took part in the DUBUS Contest on the 13 cm using both CW and voice. Our final score was 42 QSOs.

Image of SN2012 GAM team: SP3QFE (left), SP6JLW (mid), SQ6OPG (back) and SP6OPN (right) as they sent and as received at PI9CAM

SP7DCS: Chris' sp7dcs@wp.pl 23 cm DUBUS results -- As usually, we were QRV with my son, SP7MC in the EME contest and trying to make as many random CW QSOs as possible. Before the contest, I managed to optimize my feed position to improve both the RX and TX side. Echoes seemed to be a little louder. As a result we made 57 QSOs. The QSO count is less than last year, when my station was not yet optimized and I had lower power. I think the reason was much lower EU activity this year, and the absence of many easy workable stations. I hope to work more next year! I also plan to further optimize my station. In the log were VK3UM, OK1DFC, UA3PTW, VK3NX, UA4AAV, JA6AHB, JA4BLC, SP6JLW, SM7FWZ, OK1CS, RA3AUB, DL3EBJ, OK1KIR, ES5PC, LZ2US, I1NDP, G3LTF, F5SE/P, SV1BTR, TK/DL1YMK, OHO/OH3TR for an initial (#), RA3YF (#), OK2DL, G4RGK, OK2ULQ, IK3GHY (#), G4CCH, SD3F, HB9SV, SV3AAF, PA3DZL, CT1DMK, N2UO, WD5AGO (#), N4PZ, K2UYH, WA6PY, VE6TA, IW2FZR, N0OY, JA1WQF, JA8ERE, VK5MC, OZ4MM, IZ1BPN, S59DCD, ON5RR (#), IK6EIW (#), G3LQR, F5JWF, F2TU, SP3XBO (#), DF3RU, GW3XYW, HB9BCD, OE5JFL and VA7MM. Heard were NA4N, ON5TA, ON7UN, UA3TCF, VK4CDI, VE4MA, WB2BYP, JA8IAD, IK5VLS, PA3FXB, IK3COJ, JR4AEP and JA4HZN. The rig was a 6 m dish, 500 W SSPA (during the daytime the power was lowered to about 350 W ~ 400 W at the feed because of the Sun's heating of the SSPA mounted at dish). Thanks to DUBUS for such a great event. I am happy to provide a 3 band log this year. Thanks for all the QSOs - we had really great fun!

SV3AAF: Petros sv3aaf@yahoo.com reports on his DUBUS 23 cm contest activity – The last weekend of May, I had the chance for some EME, although my time was limited due to social obligations. On 1296 I worked 30 stations sharing a few hours QRV between a high eastern window on 26 May and a low western on 27 May. It seemed that activity was lower on the 27th. For a number of days the TK/DL1YMK dxpedition stirred good traffic on the MW bands, and we were given the chance to create some noise in parallel with the dxpedition. The result was the addition of 3 initials on 6 cm and 6 initials on 3 cm. Of course, I was especially pleased to work the dxpedition on 23 and 13 cm with their surprise callsign. Thank you M&M! On 3 cm, I conducted some linear/circular feedhorn experiments. During the late winter, I went through feedhorn construction tests for 3 cm. I experimented with 3 basic designs, with iterations, using round tubing of 20 and 26 mm ID and chaparral chokes. For the CP feed, only stepped septum type polarizers were tested; quite a few of them in fact. The most successful iterations presented similar Sun noise performance between CP/lin. I was surprised though to experience a consistent winning edge at the echoes of the CP feed after many swaps between linear and circular. Using the usual computer based audio analyzers, the peak hold of echoes showed a 1 dB advantage for CP - averaging a number of echo tests. This result is thought to be attributed to the different Doppler smear characteristics between circular and linear, resulting in a narrower frequency spread with circular polarity (hence higher peaks). A 7-10 dB power increase would be needed to identify spread width differences with 100% certainty on the spectrogram.

TK/DL1YMK & TK/SA6BUN: Michael and Monika DL1YMK@aol.com orchestrated another superb dxpedition. This year they selected Corsica for their surprise location. Operation began on Thursday 17 May on 23 cm, and was very successful despite a slightly defocused feed in the morning that was corrected later in the day. They made 34 QSOs including 3 on SSB. OK1CA led the pack (569) for the first contact, followed by HB9Q, VK3UM, UA3PTW, OK1KIR, SP7DCS, JA4BLC, JA6AHB, RD3DA, I1NDP, OK2DL, SM2CEW, F2TU, ON7UN, DF3RU, SM7FWZ, OZ4MM, PA3CSG, SV3AAF, PA3DZL, G4RGK, G3LTF, PA0BAT, LX1DB (CW and SSB), IK3COJ, F2TU (SSB), TM9ELM, PY2BS, DJ9YW, PA3FXB, I1NDP (SSB) and K2UYH. On Friday 18 May, the station was converted to 70 cm. All seemed OK, but it turned out that the conditions were very difficult with uncooperative Faraday. They worked on 432 in the morning OZ4MM, VK3UM, HB9Q, DL7APV, DF3RU, OK1DFC, G3LTF and LX1DB, and after lunch DL9KR, I1NDP, F2TU, UA3PTW, LZ1DX, SM2CEW, K5GW, DF3RU and SP7DCS. The next day, Saturday, 19 May, they were to be on 13 cm all day, but heavy wind gusts forced them to QRT prematurely. In the available time, they worked OK1CA, ES5PC, JA4BLC, JA8ERE, OK1KIR, PA3DZL, G4CCH, HB9Q, OZ4MM, SV3AAF, F2TU (CW/SSB), ON5TA, OZ6OL, PA0BAT, PA7JB, G3LTF, SP6OPN, SM2CEW and LX1DB. On Sunday, 20 May, they had heavy rain (drenched), but managed to work first on 23 cm SM7FWZ, ES5PC, F5SE, OK1DFC, SM6FHZ and SM4IVE, and later on 13 cm LZ1DX, K5GW, WD5AGO, F2TU, WW2R, VE6TA, WA6PY, SM3AKW and N2NQI. Monday, 21 May, was spent mostly on sightseeing, despite bad WX condx. But, they were also on 13 cm for short periods in the morning and evening to add ON5TA (dup), PY2BS, SM4IVE and VE6TA (this time with solid RST exchange). There was no operation for the next 2 days. On Thursday, 24 May, they put a fourth band on the Moon. All components of their 6 cm system had been tested on the bench separately, but never all together. They also were not sure how a

stress dish would perform on frequencies higher than 3.4 GHz. [To my knowledge this was the first time a stress dish was used on these frequencies.] They made 5 QSOs; all in different countries and of course 6 cm firsts for TK. The first station worked was OK1KIR with a good signal, followed by F2TU, LX1DB and DL7YC. However, a sudden thunderstorm forced them to QRT, as their open LNA and SSPA were not weather proofed. In the afternoon, they were able to get back on the Moon with the help of LX1DB's big signal, and added W5LUA. Unfortunately no other QSOs were completed despite several tries. Over the 26/27 May weekend they operate the 23 cm leg of the DUBUS contest on 1296.045, and added 27 additional 1296 initials. The new stations were SP6JLW, OK1CS, RA3AUB, LZ2US, G4CCH, SV1BTR, RA3YF, DL3EBW, HB9SV, OE5JFL, N2UO, WD5AGO, OK2ULQ, PA3DZL, WW2R, WA6PY, PA2DW, W5LUA, VE6TA, N2NQI, WB2BYP, IZ1BPN, PA7JB, IK1MTZ, IK6EIW, K5GW and ON5RR. In total they made 90 QSOs on 23 cm from Corsica, more than half of them during the contest. On Saturday, 26 May, they also setup a second, solid 1.8 m dish with 30 W from 2 combined homebrew SSPAs for 10 GHz EME, and made the first TK 3 cm EME with LX1DB (539)! This QSO also gave M&M band 5 on EME. Unfortunately, an attempt at a second QSO with F2TU failed. On Monday, 28 May they were on 3 cm again and added QSOs with OK1KIR, PA0EHG, and others. On Tuesday, 29 May, the came back on 70 cm and worked K2UYH plus others, and finally on Wednesday, 30 May, they were on 13 cm for K2UYH and 70 cm. [I do not have reports for these last days].

UA3PTW: Dmitry ua3ptw(x)inbox.ru sends the following report for May – I worked initials on 432 on 1 May at 1351 PA5KM (O/O) and 1419 IW9HBY (O/O), on 18 May at 1239 TK/DL1YMK (559/559), 23 May 0946 HL5QO (O/O), 27 May at 1706 5X1EME (O/O), and 31 May at 1805 UN9L (O/O); and on 1296 on 17 May at 0233 VK2DVZ (O/O) JT65C and 0410 TK/DL1YMK (559/549), on 26 May at 0758 JA8ERE (579/569), 1211 RA3YF (579/579), 1252 OH0/OH3TR (569/559), 1419 OK2ULQ (569/559) and 1622 DJ3FI (569/559), and 27 May at 1351 HB9SV (599/579) and 1431 ON5RR (559/539). [TNX DK3WG for forwarding this report.]

VE6TA: Grant's ve6ta@clearwave.ca 23 cm DUBUS results – During the contest weekend, I found very good conditions and much better activity from NA than on the higher bands. NA activity during the local Saturday evening was as good as I have heard it in several years, with at times 6 or more NA stations calling simultaneously. I managed to work several new stations and a new country thanks to the fantastic work of Michael and Monika in TK. Stations worked were K2UYH, NA4N, N0OY, W5LUA, N2UO, JA8ERE, WD5AGO, VK3UM, VK4CDI, JA6AHB, VA7MM, JA4BLC, VE6BGT, TK/DL1YMK#, I1NDP, SP7DCS, DL3EBJ for an initial (#), RA3YF (#), RA3AUB, OK2ULQ (#), F5SE/P, SM7FWZ, VE4MA, OK1DFC, ES5PC, F2TU, WA6PY, G3LTF, WW2R, WB2BYP, G4CCH, N4PZ, JA1WQF (#), VK5MC, VK3NX, JA8IAD, KL6M, SV1BTR, SP6JLW, SV3AAF, LZ2US, DF3RU, S59DCD, IW2FZR, HB9SV, OK1CS (#), OE5JFL, CT1DMK, PA3DZL, W4AF, WA8RJF and PY2BS. Thanks to everyone for all the fun and for staying up late to work the western stations. I plan to try 6 cm during the next contest weekend.

VK3UM: Doug tikaluna@bigpond.com reports on his DUBUS 23 cm results – I am trying to recover from 2 days of activity on 23 cm during the contest. It was my worst score for 4 years due to the poor activity on Sunday. However, I did manage to work quite a few new stations. On Saturdays EU activity was frantic at my < 8 degs of EL, and I ran out of Moon before working all those calling. Sorry guys, I did my best. Excellent operating all through, but I did run into a few who did not know what "YYY" means. Now when the dog starts snoring, I reach for the key to send YYY's! This will last for several days. The highlight was working CT1DMK at < 1 deg el - both ends on random. Mind you, I first thought it was Michael calling (blush), but a string of CT's jogged my deep search into reality! All Stations were worked on random with no crutches of any kind! QSO'd were JA6AHB, VE6TA, NA4N, N2UO, VA7MM, N0OY, VK4CDI, K2UYH, JA8IAD, JA8ERE, JA4BLC, K6JEY, RK3WWF, UA3PTW, JA1WQF, UA4AAV, VK2JDS, OK1DFC, SP7DCS, VK3NX, SM7FWZ, SP6JLW, OK1CS, IK3COJ, LZ2US, ES5PC, G3LTF, G4CCH, PA3CSG, DL3EBJ, I1NDP, PA3DZL, RA3AUB, F5SE/P, RA3YF, SD3F, TK/DL1YMK, WW2R, WA6PY, N4PZ, WD5AGO, VE6BGT, JR4AEP, KL7M, SV1BTR, JA4HZN, VK5MC, SM3JQU, SP3XBO and CT1DMK for a total of 50 - (last 4 year totals 55, 59, 53 and 57 respectively). Conditions were stable for the most part with libration as predicted. JA signals had an auroral type flutter for a while. From about 1100 on Sunday, conditions deteriorated here somewhat in my returned echoes. Lot of fun as always... Lars tells me it was Mother's Day in SM and maybe this was also the reason for a lack of activity elsewhere in EU.

WA9FWD: John Jstefl@wi.rr.com did not make it on for the 23 cm weekend, but was QRV on 13 cm earlier in the month – I worked on 19 May G4CCH for initial #29, ON5TA #30 and G3LTF #31 – all cross band (2304/2320), and on 23 May LZ1DX #32, WA8RJF #33 and PA0BAT #34. I plan to be listening on 5.7 GHz during the next DUBUS Contest leg. I have really improved my EME station with the addition of the US Digital Absolute encoders. In the past, I was never certain of where my dish was pointing. Now, I don't have to second guess. I can trust the readouts completely. If things would get screwed up, which hasn't happened yet, all I have to do is find the Moon one time. With the incremental encoders, I needed to go to 0 and 360 degs to do a calibration, and I was never certain of exactly where I was pointing. The US Digital encoders are expensive, but they sure make things easy. I am able to get 10 to 11 dB of sun noise with my dish on 5.7. Not great, but it should be enough to work the bigger stations.

WD5AGO: Tommy wd5ago@hotmail.com sends news on his 1296 activity during the DUBUS Contest weekend -- We were on 23 cm for DUBUS with some stations believing we were running our 23 cm BLT (Big-Little-Telescopic) Horn. Until it grows another 8', we will only use it during non contest events. It took a bit of abuse during the 2011 ARRL EME contest. Other than a school demo SSB contact with K2UYH and a partial SSB with G3LTF this year, the BLT-Horn is parked with its head drooping down for EME. Instead we were testing a new feedhorn with 3 scalar rings built up that Friday morning, and placed in a 10' dish. That evening, with a sub 0.2 dB NF, 45 dB gain HB LNA, echoes were present with 150 W, as they were all weekend. Some stations were called and worked with one sequence others took up to 30 min of calling (which is my random limit). Many 23 cm CW QSOs were new for us as it has been 12 years sense we had anything on the Moon for 23 cm greater than the 23 dBi BLT Horn. I worked W5LUA, K2UYH, VE6TA, JA6AHB for an initial (#), N2UO (#), SP7DCS (#), SM6FHZ (#), ES5PC (#), TK/DL1YMK (#) - great signal, I1NDP (#), SV1BTR (#), LZ2US (#), SP6JWL (#), G4CCH, OK1DFC, WA6PY (#), F2TU, VK3UM (#), N4PZ (#), F5SE/P (#), G3LTF, and KL6M. Called/QRZ Get-a-ways were RA3AUB, CT1DMK, IW2FZR and PA3DZL. (All these were called on Sunday when conditions were not as good.) Only heard were NA4N, N0OY, HB9SV and PA3FXB. I plan to switch over to 6 cm for DUBUS Contest before I get busy with other projects this summer that will keep me away EME until Sept.

WW2R: Dave eme_ww2r@g4fre.com sends an update on his recent EME activity -- On 18 May while looking for TK/DL1YMK on 23 cm, I worked I1NDP for initial #110 on CW, digi and (55/55) on SSB – my third on SSB. Amazingly, afterwards I discovered that I had put my 9 cm preamp on the 23 cm dish when changing from 13 cm the day before! The next day, on 19 May, while setting up to work M&M on 13 cm, I worked ON5TA for initial #48, G4CCH, K5GW on CW and SSB (my first 13 cm SSB QSO) and G4DDK #49. I worked on 20 May TK/DL1YMK #50, LZ1DX #51 and VE6TA. At this point, I integrated an Elecraft K3 with an internal 144 xverter into my EME station as my old FT-847 had been sold. The added features of the K3 made operating EME a new experience! On 23 cm during the contest, I worked 24; this was the most that I have ever worked! The stations were on 26 May I1NDP, TK/DL1YMK #111, K2UYH, OK1DFC, SV1BTR, G4CCH, N4PZ, CT1DMK, N2UO, F5SE/P #112, VE6TA, G3LTF, WA6PY, VK3UM and JA6AHB, and on 27 May SP6JLW, ES5PC, LZ2US, OZ4MM, HB9SV, F2TU, DL3EBJ #113, PA3DZL #114 and PY2BS #115. Getaways were VK3NX, WA8RJF, GM4PMK and VA7MM. On 28 May while checking Sun noise on 23 cm, I worked IK5QLO for digital initial {#33} and PA2DW {#34} and G3LTF with the loudest I had ever heard him on CW. On 29 May, while checking dish tracking on 23 cm, I worked G4CCH CW and JT65C (16DB) with 10 W into my coax and finally W3HMS JT65C.

WW2R: Dave eme_ww2r@g4fre.com sends an update on his recent EME activity -- On 18 May while looking for TK/DL1YMK on 23 cm, I worked I1NDP for initial #110 on CW, digi and (55/55) on SSB – my third on SSB. Amazingly, afterwards I discovered that I had put my 9 cm preamp on the 23 cm dish when changing from 13 cm the day before! The next day, on 19 May, while setting up to work M&M on 13 cm, I worked ON5TA for initial #48, G4CCH, K5GW on CW and SSB (my first 13 cm SSB QSO) and G4DDK #49. I worked on 20 May TK/DL1YMK #50, LZ1DX #51 and VE6TA. At this point, I integrated an Elecraft K3 with an internal 144 xverter into my EME station as my old FT-847 had been sold. The added features of the K3 made operating EME a new experience! On 23 cm during the contest, I worked 24; this was the most that I have ever worked! The stations were on 26 May I1NDP, TK/DL1YMK #111, K2UYH, OK1DFC, SV1BTR, G4CCH, N4PZ, CT1DMK #112 and a new DXCC, N2UO, F5SE/P #113, VE6TA, G3LTF, WA6PY, VK3UM and JA6AHB, and on 27 May SP6JLW, ES5PC, LZ2US, OZ4MM, HB9SV, F2TU, DL3EBJ #114, PA3DZL #115 and PY2BS #116. Getaways were VK3NX, WA8RJF, GM4PMK and VA7MM. On 28 May while checking Sun noise on 23 cm, I worked IK5QLO for digital initial {#33} and PA2DW {#34} and G3LTF with the loudest I had ever heard him on CW. On 29 May,

while checking dish tracking on 23 cm, I worked G4CCH on CW and on JT65C (16DB) with only 10 W into my coax and W3HMS JT65C.

YO2IS: Szigy szigy@upcmail.ro is not QRV on 23 cm, but still active on 70 cm -- Lately was not often QRV via EME because of various problems. I now have my 2 x 2.1 wl 2 m yagis mounted in my existing 4 x 7.7 wl 70 cm BV yagi array, and have made some JT65 QSOs using this array with my IC-7000 and GI7B PA. Unfortunately, I have also dismantled my 23 cm EME setup and donated some of the mechanical parts to my friend YO2LAM. He is already active using JT on 2 m and 70 cm, and now will also become active on 23 cm. Last Saturday, we had an international ham meeting in Pecica, close to the HA border. I was very pleased to meet almost all the active EMEers from west of Romania.

EMEers from west of Romania at Pecica

K2UYH: I a.katz@ieee.org had a busy month EME wise. I worked on 17 May on 1296 at 2120 TK/DL1YMK (559/559) for initial CW initial #332 and mixed initial 411*. In the 1296 part of the DUBUS Contest, I worked on 26 May at 0000 K5AZU (579/579), 0003 NA4N (559/559), 0010 VE6TA (559/569), 0018 N0OY (569/569), 0023 JA8ERE (559/569), 0017 WB2BJP (559/559), 0050 K6JEY (O/O), 0110 W5LUA (569/569), 0105 N2UO ((569/569), 0122 WD5AGO (559/569), 0150 VK4CDI (559/559), 0211 VA4MM (559/579), 0223 VK3UM (589/569), 0249 JA6AHB (559/589), 1800 SP6JLW (569/579), 1806 SV1BTR, (579/569), 1815 G4CCH (569/589), 1820 OK2ULQ (559/579), 1826 UA3PTW (559/589), 1832 SM3JQU (559/559), 1845 DJ3FI (559/559) #333 and #412*, 1850 I1NDP (579/579), 1858 S59DCD (559/569), 1906 SM7FWZ (559/589), 1912 W4AF (559/569), 1916 HB9SV (589/579), 1922 IW2FZR (559/579), 1930 SP7DCS (559/579), 1936 RA3YF (569/579) #334 and 413*, 1944 TK/DL1YMK (559/559), 1952 WW2R (559/559), 1956 SD3F (559/559), 2005 N4PZ (569/569), 2019 PA3DZL (569/559), 2030 OH0/OH3TR (559/559) #335 and #414*, 2037 CT1DMK (559/559), 2045 K1RS (M/O) #336, 2103 DL3EBJ (559/579), 2114 G3LTF (569/579), 2119 ES5PC (559/559), 2137 OE5JFL (559/559), 2145 OK1DFC (579/579), 2151 OK1KIR (569/569), 2158 WA8RFJ (O/O), 2212 VE3KRP (549/569), 2225 F2TU (579/589) and 2233 VE4MA (559/559), and on 27 May at 0111 VE6BGT (559/449), 0135 WA6PY (569/569), 0251 VK5MC (559/559), 0320 JA4LJB (559/559), 0340 JA4BLC (O/O) – at 5 degs el, 1904 F5SE/P (579/579), 1926 ON5RR (559/549), 1938 F5JWF (559/559), 1946 IK6EIW (559/569), 2006 ON5TA (O/O) #337 and #415, 2015 G4RGK (559/559), 2021 DF3RU (569/559), 2029 IK3COJ (559/559), 2036 OK1CS (569/579) #338 and #416, 2051 SV3AAF (569/569), 2102 LZ2US (579/569), 2107 S59DCD (569/569) DUP, 2145 IK3GHY (559/559), 2248 K1RS (549/559) DUP now solid, 2257 PY2BS (579/579) and 2306 KL6M (569/569) for a total of 66x59. We also worked on 432 on 27 May at 1842 5X1EME (26DB/O) JT65B for mixed initial #838* and DXCC 110* and on 28 May at 2245 WC2V (27DB/O) JT65B, and on 29 May at 2155 TK/DL1YMK (559/539) #726 and #839*, and on 30 May, on 2304/2320 at 2155 TK/DL1YMK (559/559) for initial #68 and a new DXCC. I was not able to operate during the 70 cm ATP because of a conflict with a family event, and will not be able to make the ATP in June because of business travel. I hope make on for the 6 cm contest on (Sunday only), if I return on time from my trip.

NETNEWS: **TI2AEB** is still optimizing his 12' dish on 1296 - getting only 9 dB of Sun noise. Armando has copied PY2BS, but is not yet satisfied with his results. He is also trying to decide on an SSPA. **JH1KRC's** dish is on the ground. Mike is to have it back up and to be QRV on 1296 soon. **WB2BYP** is making progress on his big tube PA for 23 cm, but it is taking time to select the best tube from his supply. John was QRV during the May contest weekend. **KJ7OG** is preparing his 432 system for EME. He has 100 W. **KL6M** had 16' of snow during the winter and is just now getting back on the air. Mike was QRV during the DUBUS Contest on 1296. **N0OY** worked K2UYH, JA6AHB, JA4BLC, VK3UM and others 1296 during the May contest weekend. **WB7QBS** is still working on combining two SSPA for 432. Glenn is interested in 70 cm skeds. Contact him at glennwb7qbs@hotmail.com. **K5JL** is well and sends his regards from FL. Jay is working on a replacement for his 1296 feed that was destroyed by a tornado last year. **K2DH** is making progress, but still not on the air from his new QTH. **WA1ZMS/4** is working on his 1296 system. **VE6BGT** was QRV on 1296. Skip reports that in addition to stations worked, hearing LX1DB, VK3UM and JA6AHB. **VE4MA** worked about a dozen stations on 1296 for the contest. He plans to also be QRV for the 6 cm contest. **VE3KRP** was also QRV on 23 cm in the DUBUS contest. **K4QF** says hello. **SM2CEW** reports activity on 13 cm. Peter attended the Sweden EME Conference and had an excellent time. **K5PJR** is getting back on 1296 with a pair of GS15b's and a 4.5 m dish. **WA0ARM** has been busy with family activities, but will be back on EME soon on 432.

FOR SALE: **WD5AGO** has one 2304 round silver plated CP feed horn with a scalar ring left. He also has LNAs for 23, 13, 9 and 6 cm for sale. Contact Tommy at wd5ago@hotmail.com for details. **TI2AEB** is still looking for a 23 cm SSPA with 200 W or more output. Please contact Armando aebonilla@ice.co.cr immediately if you have anything available. He is ready to go on 23 cm, but needs some more power.

FINAL: There is very sad news this month. We have lost some dear friends. Two 2 m EMEers, JA6DR and F6FHP became silent keys during the past month. In addition a good friend and occasional 432 & Up EME operator W3ZZ also passed away. Takashi, JA6DR was an early JA 2 m EME operator and used a 40' dish! Joel, F6FHP also worked 144 EME, and is known for his tropo activity as well. Gene, W3ZZ was the editor of QST's World Above 50 MHz for many years. He was a good friend to all EMEers. Gene operated several of the ARRL EME Contests with me. Our condolences go to their families and friends.

We have at the end of this NL, the 432 & Up Parallel CW ARRL EME Contest results compiled by F2TU. Philippe deserves tremendous thanks for a terrific job. This contest is based on CW only QSOs made during the 2011 ARRL Contest. It has an overall 432 & Up category and a microwave, 13 cm & up category, plus recognition of individual band high scores. Single op and multi op entrees are not separated, but are noted. Philippe also deserves recognition for stealing the show. He has the top scores in 4 of the 9 categories! SM4IVE took the top score on 432, F2TU on 1296 and 2300, K1JT on 3400, SV1BTR on 5760, UR7D on 10 GHz and OK1KIR on 24 GHz.

G4RGK raises a note of concern for UK 70 cm EME operators. He reports that he and other G stations in the London area will be banned from using 432 from 23 June for 3 months due to the Olympics. The reason for the ban is a fear of interference from hams with security related communications. Dave also notes that the Initials List link in the NL header was wrong. It should be http://www.zen70432.zen.co.uk/Initials/index.html. It has been corrected.

Pat, AA6EG reports that a video on live moonbounce can be seen at www.ustream.tv/channel/opticks2012.

That covers the new for June/July. We could use some more technical material, and please keep the reports coming. I am very much looking forward to seeing everyone at Cambridge in Aug. I will be away part of this month, but still hope to catch many of you off the Moon. 73, Al – K2UYH

ARRL EME CONTEST 2011

Parallel classification CW/SSB ONLY & NO 144MHz by F2TU

Digital QSOs are not counted. View official results for this All Mode ARRL.

(*) Also worked in digital refers to the official classification ARRL.
http://www.arrl.org/files/file/Contest%20Line%20Scores/2011/2011-EME-LineScores.pdf

MULTIBAND 432 MHz & UP

	CALL	OP	Bands	QSO	MU	POINTS
1	F2TU	S	ABCEF	184	101	1858400
2	SV1BTR	S	ABCE	182	94	1710800
3	K5GW*	S	ABCDE	194	88	1707200
4	G3LTF	S	ABCDE	168	93	1562400
5	SM4IVE	S	ABC	154	80	1232000
6	OZ4MM	S	AB	141	68	958800
7	K1JT*	M	ABCD	93	68	632400
8	WA6PY	S	ABCDF	97	60	582000
9	SD3F	S	?	100	57	570000
10	CT1DMK	S	BC	90	63	567000
11	VK3UM	S	AB	95	59	560500
12	SP7DCS	M	AB	94	50	470000
13	SP6JLW	M	AB	104	44	457600
14	JA4BLC	S	BC	57	39	222300
15	SP7JSG	S	?	52	35	182000
16	SM2CEW	S	AB	47	31	145700
17	WD5AGO	M	ABC	35	30	105000
18	F5JWF	S	CF	28	27	75600
19	WB2BYP	S	ABC	27	20	54000
20	W5LUA	S	CDEFG	23	21	48300
21	SP3XBO	S	?	14	13	18200

MULTIBAND 2.3 MHz & UP

	CALL	OP	Bands	QSO	MU	POINTS
1	F2TU	S	CEF	59	44	259600
2	SV1BTR	S	CE	51	36	183600
3	G3LTF	S	CDE	41	33	135300
4	K5GW	S	CDE	35	28	98000
5	F5JWF	S	CF	28	27	75600
6	W5LUA	S	CDEFG	26	24	62400
7	K1JT	M	CD	25	21	52500
8	WA6PY	S	CDF	23	19	43700

432 MHz - A

	CALL	OP	QSO	MULTI	POINTS
1	SM4IVE	S	80	37	296000
2	K5GW*	S	80	24	192000
3	OZ4MM	S	56	28	156800
4	SV1BTR	S	52	25	130000
5	G3LTF	S	44	24	105600
6	DL9KR	S	43	24	103200
7	VK3UM	S	37	27	99900
8	SM2CEW	S	33	19	62700
9	K0RZ	S	22	15	33000
10	F6HLC	S	20	16	32000
11	JA9BOH	S	20	16	32000
12	SP7DCS	M	20	14	28000
13	F2TU	S	16	15	24000
14	N4GJV	S	14	11	15400
15	K1JT*	M	12	11	13200
16	K4EME*	S	12	10	12000
17	WD5AGO	M	11	10	11000
18	DL5MAE	S	9	7	6300
19	WA6PY	S	10	6	6000
20	SM3JQU	S	9	6	5400
21	SP6JLW	M	8	6	4800
22	DJ3JJ	S	6	6	3600
23	UT3LL	S	3	3	900
24	UA3TCF	S	1	1	100

1296 MHz - B

	CALL	OP	QSO	MULTI	POINTS
1	F2TU	S	109	42	457800
2	G4CCH	S	106	40	424000
3	I1NDP	S	100	41	410000
4	N2UO	M	96	41	393600
5	SP6JLW	M	96	38	364800
6	OZ4MM	S	85	40	340000
7	F5SE/P	S	82	38	311600
8	IK1MTZ	S	82	37	303400
9	G3LTF	S	83	36	298800
10	K5GW*	S	79	36	284400
11	SP7DCS	M	74	36	266400
12	SV1BTR	S	79	33	260700
13	I5MPK	S	75	33	247500
14	CT1DMK	S	61	38	231800
15	WA6PY	S	64	35	224000
16	K1JT*	M	56	36	201600
17	N4PZ	S	61	34	207400
18	K2DH	S	58	35	203000
19	IZ2BPN	S	62	31	192200
20	S59DCD	M	66	29	191400
21	VK3UM	S	58	32	185600
22	9A5AA	M	48	30	144000
23	F5KUG	S	44	30	132000
24	SM4IVE	S	52	24	124800
25	JA4BLC	S	45	27	121500
26	DJ8FR	S	42	26	109200
27	LZ2US	S	42	26	109200
28	WB2BYP	S	27	20	54000
29	DJ3FI	S	27	19	51300
30	SQ6OPG	M	19	18	34200
31	SM3JQU	S	20	14	28000
32	JF3HUC	S	19	11	20900
33	VE4SA	S	15	12	18000
34	SM2CEW	S	14	12	16800
35	UA4AAV	S	14	11	15400
36	LU1C	S	8	7	5600
37	AL7RT	S	8	5	4000
38	W6YX*	M	2	1	200
39	WD5AGO	M	1	1	100

2.3 GHz - C

	CALL	OP	QSO	MULTI	POINTS
1	F2TU	S	39	27	105300
2	SV1BTR	S	37	25	92500
3	SP6OPN	M	33	25	82500
4	G3LTF	S	31	25	77500
5	CT1DMK	S	29	25	72500
6	WD5AGO	M	23	19	43700
7	SM4IVE	S	22	19	41800
8	K5GW	S	23	18	41400
9	K1JT	M	22	18	39600
10	ON5TA	S	20	18	36000
11	WA6PY	S	19	15	28500
12	PY2BS	S	17	15	25500
13	JA4BLC	S	12	12	14400
14	W5LUA	S	11	9	9900
15	SM3JQU	S	2	2	400

3.4 GHz - D

	CALL	OP	QSO	MULTI	POINTS
1	K1JT	M	3	3	900
1	W5LUA	S	3	3	900
4	G3LTF	S	3	2	600
5	WA6PY	S	1	1	100

5.7 GHz - E

	CALL	OP	QSO	MULTI	POINTS
1	SV1BTR	S	14	11	15400
2	F2TU	S	11	9	9900
3	G3LTF	S	7	6	4200
4	W5LUA	S	4	4	1600
4	SQ6OPG	M	4	4	1600

10 GHz - F

	CALL	OP	QSO	MULTI	POINTS
1	UR7D	M	10	8	8000
2	F2TU	S	9	8	7200
3	W5LUA	S	5	5	2500
4	WA6PY	S	3	3	900
5	W3SZ	S	2	2	400

24 GHz - G

	CALL	OP	QSO	MULTI	POINTS
1	OK1KIR	M	4	4	1600
2	W5LUA	S	3	3	900