**432 AND ABOVE EME NEWS**

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**CONDITIONS:** The big new this month relates to 70 cm EME. On 28 Nov WA6PY completed the first 70 cm single yagi CW WAC by QSOing PY1KK -- see Paul’s report. There is also a new 70 cm distance record. J6AAB reports QSOing PY1KK on CW and JT over a distance of 18,747 km. The old record (18,354 km) was between CT3/DL1YMK and VK3UM, who still hold the y JT, and within se of big snowstorms over Germany. After e, e, e, - e, - e, - e, -e--Paris. Thursday morning to Paris. DF3RU, UA3PTW, I1NDP, DL7APV, DK3WG, K2UYH were able to work 11 below quickly built up the antennas now back home safe. We 7X2ARA: 70 cm yagi

**7X2ARA:** Frank DL8YHRFRANK(x)AOL.COM and DL8LAQ were able to be QRV on 70 cm (and 2 m) EME from Algeria (J3M16) on 27/28 Nov -- We are now back home safe. We were very lucky and had an easy entry into 7X. We quickly built up the antennas, but found we had > 10 dB of noise at elevations below 20 degs. Sorry for all the callers, but at times copy was very hard. We were able to work 11 stations on 70 cm using a single 9 w Pol yagi and 120 W. We made one CW QSO with DL9KR and QSO’d on JT65B H89Q, OK1DFC, PA3CSG, I1NDP, DL7APV, DK3WG, K2UYH, UA3PTW, DL2NUD and DF3RU. We did hear more, but no luck with our QRP. The trip back was a disaster, our flight didn’t go because of big snowstorms over Germany. After many discussions and problems due to the amplifier, we took a flight Monday evening to Paris with no connection back to DL. So we had to stay overnight in Paris. Thursday morning, we found a flight back to Düsseldorf and after some 1500 Euros in additional expenses, we were finally able to get back home.

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**7W2ARA 70 cm yagi**

**BD5RV:** Michael michael.bd5rv(x)gmail.com, who is active on EME from China is visiting the US. The following is a report on his visit by Rick, K1DS -- A few weeks ago there was a post on Moonet by BD5RV asking if he could meet with some of the amateur operators active in EME, while he made a business trip to the US. K2TXB and I alerted K2UYH and K1JT, and within short order Al had made arrangements to pick him up at the Hamilton train station on 10 Dec, after Michael completed his meetings in Philadelphia. Michael actually arrived several hours earlier than expected, but Al was still able to pick him up and arrange for lunch with a local ham group, a tour of The College of New Jersey (TCNJ) and also a stop at Linearizer Technology, Al’s company, where some Packrats work. With the Moon making an appearance in the late afternoon, they then went to Al’s QTH where they were met by with K2TXB and his YXL. Barbara. Michael got to see Al’s 28’ Kennedy dish and station, and participate in a 1296 EME SSB QSO with PY2BS, who just happened to be on the Moon at the time. As the Sun set, I made my way to the K1JT QTH, as did the group from Al’s QTH including Al’s YXL. Sally. We were hosted by Joe and his YXL Marietta for a delightful evening of socializing, a delicious dinner, radio chat and a tour of the K1JT station, including a view of the activity on 2 m EME (there was a VK and a W7 calling CQ as outlined on MAP65) and a demonstration of the current propagation of HF using the WSPR program that Joe developed and has running on the HF bands. Michael lives in Nanjing, China, and has been licensed as an amateur operator for about 20 years. He is active in DX contesting on HF, satellite communications and EME on 144 and 432 MHz with dual yagis for both of those bands. He has been a contributing technical supporter for the recently launched Chinese amateur communications satellite, and he is a member of AMSAT and CAMSAT, as well as the CRS and ARM. Marietta and Joe made a great dinner, and we shared conversation in front of the roaring fire in the fireplace on this chilly December evening. Michael asked Joe about his Nobel Prize and he even got to take a few pictures of himself with Joe and the Nobel gold medal. We parted late in the evening, with everyone getting rides back to home. We are all looking forward to an EME QSO with BD5RV from Nanjing in the future.

**BD5RV at K1JT’s shack (L - R K1JT, K1DS, K2UYH, K2TXB and BD5RV**

**BX1AD:** Edward edward.xi@y.com was active recently on 70 cm from his QTH in FL09q with a single 27 el (V-pol) yagi with preamp plus 200 W PA. He worked on 26 Nov OK1DFC and UA3PTW. Edward reports that his friend, BV2OL, Jelly, is also coming on 23 cm EME and also 70 cm. Jelly is a teacher at the University in the Tapei area. For 23 cm, he has an array of 3 22 el
loop yagis, but only a 40 W PA now. He expects to have a 500 W PA ready by Feb. On the Moon, he will use the special call BN0T and/or his home call for both 70 and 23 cm. The station is located on his campus in PL05rd. Operation is expected to be mainly on JT mode. [TNX PA0PLY for forwarding this info].

**BV/DL3OCH:** Bodo dl3och@irmx.de was QRV on 23 cm from Taiwan on 26 Nov (PL05), and 27 Nov and 18 Dec (PL04) -- In PL05 using the call BV/DL3OCH, I initially had problems with noise from a neon sign right in front of his antenna -- At exactly 2300 local time they turned off the sign. My noise was 15 dB less, and I suddenly saw W5LU calling. The first decoding was (26DB), but he got better a bit after. Then my elevation got higher and the antenna was too close to a wall, so I had to move it to another spot, and the noise was very high again. I did make a few QSOs but all were very weak. OK1DFC was only (27DB), OK1IR, G4CCH and OK2DL were also work from this location. The next day I was on from PL04sw using the call BV2A and did much better working 9 stations. I was also on from PL04 on 18 Dec. As BV2A, I worked OK1DFC, PA3CSG, OK1KIR, D9YWY, DF3RU, JA6AHB, G4CCH, OZ6OL, PA0BAT, K2UYH and HB9Q. This gives me a total of 14 QSOs from Taiwan. The signal reports were where I expect them based on past activity. From the BV2A location, OK1DFC was much better (21DB). I have now operated from 29 DXCCs on 23 cm EME, 20 of which were on 1296 for the first time. I have also activated 44 different grids on 23 cm EME. I am very happy about the growing activity on 23 cm, not only on CW, but also JT65. I remember my first few EME activities when I just started on this mode. If possible I might be QRV from BV again in Jan. It depends on weather and conditions. Now with my single yagi it is not sure if I can be QRV form BV again in Jan. It depends on weather and conditions. Last weekend showed that a 2.4 GHz dish (4.2 m with Al reflector) is much better (14DB). I have now received 24 summaries from DL4MEA, ES5PC, F2TU, F6ABX, G3LTF, IK3COCJ, IZ1BPN, JA4BLC, K1JT, KL6M, LZ2US, N4GJV, N4PZ, OH2PO, OK1KIR, OZ2MM, SA3AAF, SM3AKW, SM4IVE, SM6FHZ, SP6GWN, SP6JLW, VK3UM and WA6PY. I hope to have more! I hopes others will follow to give a better view of the activity on the different bands 432 MHz & up. There is still time to send me your scores. I will prepare the report in early Jan. It only takes a few minutes to do. Send me your results ASAP for CW/SSB for each band 432 & up in the ARRL EME Contest. The scores will be classified as CW/SSB Mono operator: 1) for each band, 2) multi band and 3) multi band 2.3 GHz & up only; and CW/SSB Multi operators: 1) for each band, 2) multi band and 3) multi band 2.3 GHz & up only. The results are to be published in the next NL and distributed via the reflectors.

**F2UT:** Philippe ptu.philippe@orange.fr sends a reminder that he is working on a report of the ARRL EME Contest scores for each band -- So far I have received 24 summaries from DL4MEA, ES5PC, F2TU, F6ABX, G3LTF, IK3COCJ, IZ1BPN, JA4BLC, K1JT, KL6M, LZ2US, N4GJV, N4PZ, OH2PO, OK1KIR, OZ2MM, SA3AAF, SM3AKW, SM4IVE, SM6FHZ, SP6GWN, SP6JLW, VK3UM and WA6PY. I hope to have more! I hope others will follow to give a better view of the activity on the different bands 432 MHz & up. There is still time to send me your scores. I will prepare the report in early Jan. It only takes a few minutes to do. Send me your results ASAP for CW/SSB for each band 432 & up in the ARRL EME Contest. The scores will be classified as CW/SSB Mono operator: 1) for each band, 2) multi band and 3) multi band 2.3 GHz & up only; and CW/SSB Multi operators: 1) for each band, 2) multi band and 3) multi band 2.3 GHz & up only. The results are to be published in the next NL and distributed via the reflectors.

**FL3SU:** Hermann (DL2NUD) and Stefan DL9GRE will be QRV on EME from New Caledonia (RG37) between 16 and 19 Jan (RG37) operation will include 432 with a single 12 el loop yagi, 500 W SSPA and DB6NT preamp, and for the first time 1296 with a single 55 el loop yagi, 200 W SSPA and DB6NT preamp. It is expected that they will operate first on 090 on both 70 and 23 cm primarily using JT, but will also respond to calls on CW. After FL3S, they plan to be QRV from Y3 (Vanuatu) in grid (RH42).

**G3LTF:** Peter g3ltf@btinternet.com reports for Nov -- I was not around for the first weekend on 2021 Nov as we were on holiday in EA8. I did get on in the following week on 23 cm but found little activity on CW. On 23rd Nov I worked OZ6OL and was heard by G5WQ. He called me, but not enough times for me to get his call. He is very QRP, but is making JT QSOs. I am sure we will make it with a bit more experience. On 27 Nov I worked LA9NEA and heard and called OK2ULQ (549) after he had worked F2TU, but no reply. I then worked SM4DHN, SM4IVE, K7XQ, 15MPK and OK1KIR, and the next day 15MPK and W5LUA. After that the WX broke here and the Moon got too low. I also worked 12 Dec on 13 cm CT1DMK (55/55) on SSB for the first 13 cm GCT QSO and my initial #91.

**IK5QLO:** Andrea ogwh1txwin.it writes on his new LNA -- I was QRV on 23 cm CW in Dec testing my new G4DK preamp, which is working very FB and worked SV3AAF with excellent signals. Since I had consistent echoes, I played the big gun, CQing for a couple of times on 1296.010. To my great pleasure K1RQG came back on my second call with his usual huge signal. Having this real big gun answer my little chicken CW call was another thrill of our wonderful hobby!

**JA4UBL:** Yoshiro ja4blic@web-sanin.co.jp reports on his new 3 m Cassegrain dish -- Work on my new dish is progressing well. In mid Nov, I tested Sun noise for the first time. I measured 14.6 dB from the Sun and 4.3 dB CS/G noise. I was pleased as the dish showed a GFT improvement of 2.5 dB over my previous dish (4.2 m with Al-foil). I will try echo tests soon. As the dish is located in my car park temporarily, the window is restricted to 3 hours from south to southeast. Some EME friends visited me on 21 Nov to inspect the dish -- see following picture.

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**BV2A operating team (L-R) DL3OCH, BU2AQ and BV2KI**
couple big 12v batteries to run the FT-847 and the Mirage power amp. I have a cellular-to-wifi router, so the computer can connect to the HB9Q 432 logger and QRZ.com remotely. I clearly need more antenna gain. I would like to keep it portable, because my QTH does not have enough space, and too many trees, both east and west. Presently I think getting three more of the M2-12EMEs and making an H-frame and power divider would be a good way to go. Also, 70 cm has power restrictions in this area, because of the PAVE PAWS radar installation at Beale Air Force Base. So if want I run more power I'll have to drive 100 km or so. I like the Mirage brick amp, they are simple and reliable. A fun project would be to build a hybrid combiner, and use two of the Mirage amps. At that point to maintain safe RF exposure distance, I will have to get a 50-foot 1318 cable. I want to try CW. I am not good at it (I use DM780 on HF for CW), but others have encouraged me, I could certainly recognize CQ and RO and RRR and 73, if repeated for a couple minutes! Unfortunately there are multiple strong heterodyning birds at my QTH from about 432.015 to 035 so I will try it, but it will have to be during portable ops.

K6CLS with rig and 12 el yagi use on 70 cm EME

JA6AHB: Toshio ja6ahb@cyplala.to reports that on 28 Nov he and PY1KK, Bruce (PY2BS) succeeded in QSOs on 432 using JT65B (16DB/17DB) and CW (559/559) modes to set what is believed to be a new 70 cm world distance record of 18,747 km.

JA6MCL: Cliff elsx@employees.org is a new small station on 70 cm EME; here is his story -- I am thrilled to have my first EME QSO this month. I am still smiling ear to ear as I write this, three days later. I want to encourage other folks to try EME, even a small station can work. My station consists of a Yaesu FT-847 with Kuhne QH-40 crystal heater, a Mirage D3010 100W amp, a Daiwa CN-103NL wattmeter, an ARR MSP432VDG-160 pre-amp (birthday present from my wife), and an M2 432-12EME 12 el yagi. The antenna is mounted on 1” PVC set in a TV antenna tripod, using “Armstrong rotation”. The RF is wired with some 2 m LMR-400 cables from the local electronics surplus store (halted.com), and an 8 m 1318 I got from Ham Radio Outlet to move the antenna away to a safe RF exposure distance. I am not much of a CW operator, so I use WST9 on an old computer. Also, I have to say the HB9Q 432 EME logger is an essential piece of the puzzle! I’d be lost without it. The entire adventure started when, on a lark, I bought the antenna at a ham fleam market. I listened for several months, got a few decodes. I built a preamp, but it didn’t help much, just increased the noise. Tried TXing with the 50 W from the FT-847, and only got one decode (TNX WA4NJP). I then bought the Mirage amp. On Friday 26 Nov (local) I moved the cars out of the driveway, set up the antenna and station, and tuned in, just hoping to get some decodes, but nothing. I listened real sincerely for 4 hours, never got anything, and went to bed. Saturday morning, I heard a rumor that on Friday some other folks had trouble with horizontal polarization, so I rotated the antenna to vertical and set up to try again. As it turned out, I thought conditions Saturday evening were really excellent! Not evening, I agreed to look for me. My invited station was 08000 (28 Nov). We started trying on 432.090. Nothing for a few minutes... darn. Then Nando suggested I try H-pol again, and we realized that we were both calling first. OK, reset all that. I called CQ. Bingo!! I got a great decode in the first interval! Nando was (22DB) with nice audio tones. My fingers were shaking as I hit the button for OOO... I1NDP finally came back with RO. I was so thrilled, I jumped up and down, and hit the button for 73. Oops! Set it to RRR after a few minutes, and I1NDP finally came back with 73. Wow, My first EME QSO! Sent CQ again and heard some tones, but no decode. A few minutes later, UA3PTW shows up with an astonishing (17DB) decode and clear tones. Hey, now I am an expert, worked right through, no flubs in the message sequence. Next DL7APV shows up at (20DB) and the QSO went like clockwork. Next up was DK3WG (22DB). This QSO took a few rounds to complete the sequence as conditions seemed to vary a little. Last on 090 was K2UYH at (24DB). This was the biggest thrill ever in ham radio. I got everything adjusted, a

K7RXO: Jeff k7rxo@secure-elite.net was active on 13 and 70 cm in Dec -- I worked on 2304 CT1DMK for an initial (#) and W5LUA, but missed LA9NEA. I also worked a few initials on JT on 432. QSO were G4ZEP for an initial (#) and DL8GP (#). I heard one CW station, but did not get the call and he vanished. No other CW activity was heard.

K6HZ: John john.d.oppen@boeing.com wants to improve his system -- To clarify my last report, my preamp and TR relay were hanging directly behind the power divider for my 4 x 19 el yagi array, and properly switched and sequenced from the shack. I presume this was at least partly why I heard DL7APV (10DB) during our QSO last month. Unfortunately this lash-up was not enclosed in a waterproof box, so I had to take it down for an impending storm a few days after my first and only QSO. I need to complete the enclosure and WX proofing of the preamp and relay, and also increase my TX power level. In any case, I hope to be QRV in the Dec AW and will be looking for soks on the HB9Q logger.

K7UW: Ed k7uw@ajasalaska.net is QRV again but had wind problems at the end of Nov -- High winds upset my plans, temporarily, due to damage to the azimuth support frame on the dish. 50 mph gusts torqued the dish-mount and twisted the 3-inch angle-iron framework of the azimuth support requiring three days of repair. The angle-iron frame-work has been replaced with 2-1/2” by 2-1/2” square tubing. It is awaiting a welding service to make it sound (bolted with 1/2-inch bolts for now). So with the dish out service, I was off 432 or 1296 for short while. I have my new DEMI 1296/28 transverter fully tested with 20+ W output (fed by an Elecraft K3). It is locked to a OCXO (5xE-13) 10 MHz reference using the A32 PLL installed in the transverter. Freq has been measured at 1296.000000 ± 1Hz. I still have some minor repairs (new Murata var caps) for my 60 W PA, which is installed at the dish. My 300 W W6QQL PA is about 50% complete and I may try running the 150 W module, when it has been tested fully. Initially, on 1296 I will use my 0.3 dB NF WD5AGO preamp with a septum feed. I also have a G4DDK 0.24 dB NF VLNA, to try once I am happy with how the feed is working. The sun only peaks at 10 deg elevation, so making Sun measurements will be difficult for the next several months. 432 remains at 85 W using JT-65 when the dish resumes operation. I run my FT-847 to a Mirage D3010 PA and an MGF-1302 preamp. 432 operation on the last day of the ARRL EME Contest was largely not successful as I had lower output (40 W) and severe Faraday effects. We did make contact with VK4EME, which took an hour to complete.

LUSENU: Juan lusenu@xyahoo.com is a new station on 1296 EME from Argentina -- At the moment I am only QRV on 1296 using a 3.4 m dish with an OK1DPC Septum feed, SLNA by G4DDK and a 150 W SSPA. At the moment I only have about 100 W at the feed. I am also using TS2000X. My first EME
QSO was on 14 Nov with G4CCH, then PY2BS, ES5PC, K2UYH and OZ6OL, and on 22 Nov RD3DA. I am interested in skeds and plan to be active when possible off the Moon.

**LU8EUN’s 3.4 m dish for 23 cm EME**

**OK1DFC:** Zdenek ok1dfc@seznam.cz writes on his recent operation -- Nov was not as successful as Oct, but 5 new DXCCs is not so bad - HI 1 QSO’d during Nov on 432 using JT65B EB3EEO (11DB/O), R26A (23DB/O) for digital initial [#182] who was using 2 x 25 el yagis and 50 W, VK4EME (13DB/O), VX2CT (12DB/O) [#184], K6GDX (O/O) [#184], first KH2-OK QSO, YL2HA (28DB/O) who was using only 15 W, KN4SM (16DB/O) [#185], K4EME (10DB/O), BX1AD (28DB/O) [#186] DXCC 70 and first BV-OK QSO, UA4LCF (O/O), JN7GY (19DB/O) [#187], ZSSY (10DB/O), K7XQ (8DB/O), K6LG (26DB/O) and 7X2ARA (29DB/O) [#188] DXCC 71 and first 7X-OK QSO which required me to twice change feeds from 70 to 23 during the night with very bad WX because of Bodo’s 23 cm deviation to BV happening at the same time. On CW I worked F9QX (55DB/59) for initial #132, UA4QQL (55DB/O) #133, SM4IVE (59DB/59) and SM6FHZ (57DB/569). On 1296 I added BV/DL3OCH (28DB/O) for digital initial [#109], DXCC 69 and first BV-OK QSO, VK4CDI (11DB/O), UY2QQ (12DB/O) [#110], RA3LE (21DB/O) [#111], UJ7GK (O/O), JA1WQF (7DB/O), BV2A (O/O) [#112] in new grid, and OJY3E (26DB/O) [#113] and DXCC 70. I am expecting to be QRV during Dec EME AW. I have been working on my 432 setup. All skeds are very welcome by e-mail.

**OK1KIR:** Tonda and Vlada vladimir.masek@volny.cz report on their club’s Oct/Nov EME -- On 432 we added 13 initially using the JT65B mode as follows: 4 Oct at 1405 DL2NUD (13DB/19DB) digital initial [#38], on 5 Oct at 0944 UA3PTW (5DB/5DB) and 1340 CE0/DK2ZF (22DB/24DB) for the 1st CE0-OK 70 cm QSO, on 24 Oct at 2120 PA3DZL (17DB/O), on 25 Oct at 0106 WA4NJP (15DB/O), 0134 K4EME (19DB/O) and 0313 W7MEM (21DB/O), 26 Oct at 0443 K2UYH (10DB/10DB), 0458 UT6UG (14DB/17DB) and 0924 K7OQ (12DB/18DB), 30 Oct at 0737 ES6RQ (16DB/O), and 02 Nov at 0848 CE0/K2ZF (25DB/O) [#49]. On 1296 in the 2nd part of the ARRL EME competition we test our new 1 kW SSPA [how about some more details for the SSPA module to my TS2000. I am also look for sources of SSPA for 23 cm SSPA (559/569)]

**PAOLY:** Jan pa0ply@xmail.cz sends his report on his ARRL contest results -- On the 1st leg of Oct I worked using JT65B EA3XU (1Y-2Y). It took some time and patience; however, we made it with reports (27DB/28DB). The QSO is more remarkable because of the bad QRM/noise in both Barcelona and Prague. The situation is very similar. Next, I added DF3RL (27DB/28DB) for mixed initial #59*. During the 2nd leg of the ARRL EME contest, I focused on 70 cm and made random JT65 contacts (without Internet) with DL7APV (17DB), ES6RQ (26DB), KJ7T (21DB) and EA3XU (28DB), and on CW with OH2PO. I decoded on Sunday very well WA3QPX (22DB) and K4EME (23DB); however, they didn't answer my (hundreds) of calls. On CW, I heard 11NP (M) and lots of QRM/birdies.

**OK1TEH:** Matej ok1teh@seznam.cz sends an updated report on his ARRL activity on EME and I QSO on EME and I continue his success on 70 cm -- OK QSO on 13 cm and made random JT65 contacts (without Internet) with DL7APV (17DB), ES6RQ (26DB), KJ7T (21DB) and EA3XU (28DB), and on CW with OH2PO. I decoded on Sunday very well WA3QPX (22DB) and K4EME (23DB); however, they didn't answer my (hundreds) of calls. On CW, I heard 11NP (M) and lots of QRM/birdies.

**OK1KIR’s new 1 kW 23 cm SSPA**

Anyone interested in the high power (3 dB hybrid) combiners used in our new 1 kW 23 cm SSPA can find the details of their construction at http://www. ok1kir.cz/. It is modified Kathrein professional design. (Moved up in frequency the design gives excellent wideband performance even on the 13 and 9 cm bands).

**TIZAEF:** Armando ubonill@xixce.cor.es continues his success on 70 cm EME -- Now all the family is wondering what I am doing in the shack every Friday and Saturday. I do not go to ZZ before 2 am. This behavior is something they have never seen before. Now that I have 70 cm somewhat working -- still need more power, I am thinking about 23 cm EME. I plan to build a small dish and add a 1.2 GHz module to my TS2000. I am also look for sources of SSPA for 23 cm.

**UA3PTW:** Dmitrij ua3ptw@xmail.cz was active on 70 and 23 cm during the past month. He added on 432 DF9QX on CW, and on JT65B G4FUF, KG6DX, BX1AD, JN7GY, 7X2ARA and K6CLS. On 1296 using JT65C he QSOed W7MEM, JH0TOG, G5WQ, LU8EUN and UY2QQ.
W7UPF: Don donsay2x@cox.net writes — After months spent relocating my 1296 dish and system here on my City lot and then sending a 4 year old solid-state amplifier (200 W) back to Germany for repair as well as my spare LNA to WD5AGO for repair (just in case), my EME system is now up and running again. I am interested in CW and JT skeds. Please e-mail.

W6AOFY: Paul pchominski@ximaxlinear.com completed the first single yagi WAC on 432 CW at the end of Nov; his story follows — Shortly after my QRV on 27 Nov on 432, I QSO’d S66HFZ on CW. Inogolf had great signal although very close (~150 Hz away) from a birdie. After this QSO, SM4IVE called me on the same frequency, but Lars completely covered the spur. The next day, 28 Nov, I QSO’d in sked PY1KK. I had bad luck with the WX. A storm predicted for next day suddenly showed up about 30 minutes prior to the sked. My 432 MHz yagi is manually aimed. When I cannot see the Moon, the AZ position can only be by aiming my dish at the Moon and estimating by eye, if two antennas are parallel. The EL can be set using a digital level. Fortunately the wind was not very strong, but the bad WX created extra QSB. Despite these conditions, I copied every sequence of PY1KK, and finally achieved WAC on 432 CW using a single yagi. My 6 cm transverter is now modified. I added a PLL to the LO with a 12 MHz TCXO reference. I still kept 124.8 MHz the Xtal, I believe the 69/569) CW, 70) has been elevation. If you are reader from USA, believe me, the 70 cm activity in this country is mostly on smaller stations that operate in the same conditions. Using an LC or even ceramic resonator VCO at 2808 MHz, gave me worst phase noise performance. Now I should get much better frequency stability. I also improved my LNA. It is not as good as I wish. The NF is about 8* dB.

K2UYH: I. a.katz@yieve.org had a very good time on EME during past month adding DXCCs on both 70 and 23 cm and thanks to Nov/Dec expeditions. I QSO’d on 20 Nov on 23 cm at 0007 W7UV/7 (17DB/11DB) JT6C for mixed initial #379, 0020 W7UU (O/O) CW for mixed initial #311, 0051 LSU6EUN (13DB/15DB) JT6C #380* and 0119 W3HMS (8DB/0DB) JT6C, on 21 Nov on 23 cm at 0315 W7UU (2DB) JT6C and JT6C before we could complete 2350 W3HMS (14DB/5DB) JT6C and 2351 GM4PMK (15DB/11DB) JT6C, on 22 Nov on 23 cm at 0020 GM4PMK (559/549) CW #312, on 26 Nov on 0644 KE4WBO (nil) JT6B in sked - Graham was using 4 x 21 el FO yagi and 100 W and 0702 YL2OK (13DB/20DB) JT6B, on 1296 at 1400 partial BW/3LOCH (26DB+) – JT6C - Bodo had a noise that did not corrected until after my limited window ended, on 27 Nov on 70 cm at 0542 ZS5Y (23DB/0DB) JT6B, 0550 DL9KR (579/569) CW - Jan looking for 7X2ARA, on 23 cm 0712 OY3JE (25DB/22DB) JT6C for #381* and DXCC 77*, 0748 PA3FXB (7DB/10DB) JT6C, 0757 PA3F3X (569/569) CW, 0806 F2TU (569/569) CW, 0812 OK1KIR (569/569) CW, 0820 LA9NEA (559/559) CW and 0824 GT3LT (569/559) CW, on 70 cm at 0945 partial 7X2ARA (24DB) – JT6B very hard to decode. On 28 Nov on 70 cm at 0652 G4EJP (17DB/11DB) JT6B for mixed initial #379, on 0706 JT2AEB (O/O) JT6B - Armando never completed 0748 ZS6WAB (8DB/0DB) JT6B, 0852 7X2ARA (22DB/0DB) JT6B #809* and DXCC* 102 and 0928 K6CLS (23DB/21DB) JT6B #810*, on 10 Dec on 23 cm at 2219 PTY2B (7DB/10DB) JT6C and 2227 PTY2B (54/54) SSB #313 - demo for BD5RV who was visiting from China (see K1RS’ report). The following weekend I put my 1296 linear feed in the dish and worked Bodo at BV2A for 23 cm DXCC 78*. I’ll have a full report in the next NL.

NETNEWS BY G4RGK (based on netnotes and reflector information): UR5LX reports working on 1296 with JT6C PA3DW and W7MEM. UA4ARL reports 70 cm JT6C QSOs with EB5EEO and G4UF.

FOR SALE: K2UYH is looking for a 6 cm SSSA.

GUIDE EDITORIAL BY OK1THE: I have strong feelings on the reasons for the low activity levels during the 1st leg of ARRL EME contest. I believe the low activity was caused by the 1) QRM from tropo IARU UHF-SHF contest activity and 2) bad contest rules. If you look at the results of big EME expeditions like 3B8E, etc., you’ll see that 95% of all contacts were made into EU. It is very obvious that the majority of EME activity on 70 cm and above is from EU. I had expected that this fact would be reflected in ARRL contest rules, and that the ARRL would shift the 1st leg date to avoid conflict with the tropo contest rules. Unfortunately, Taylor JT6B - Armando never activated, 0748 ZS6WAB (8DB/0DB) JT6B, 0852 7X2ARA (22DB/0DB) JT6B #809* and DXCC* 102 and 0928 K6CLS (23DB/21DB) JT6B #810*, on 10 Dec on 23 cm at 2219 PTY2B (7DB/10DB) JT6C and 2227 PTY2B (54/54) SSB #313 – demo for BD5RV who was visiting from China (see K1RS’ report). The following weekend I put my 1296 linear feed in the dish and worked Bodo at BV2A for 23 cm DXCC 78*. I’ll have a full report in the next NL.

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CW. The JT CW mode allows stations set up for WSJT to send CW as easily as JT -- but with about a +1.25 kHz offset that must be corrected for on RX. I also believe that the CW ATPs must be promoted and supported. We need more ATPs including ones for 23 cm. Another problem is the age of EMEers and ham radio operators in general. This issue is discussed in the Editorial by OK1TEH, who is one of the few relatively young EME operators around. This issue must be addressed, or in a few years there will be not be many of us around, not matter the mode we operate!

There is a lot more that needs to be said on the above topics, but it will have to wait for next time. I will be looking for all of you off the Moon. PSE keep the reports and tech material coming. To all very Merry Christmas, Season’s Greetings, a Happy New Year and 73, Al – K2UYH

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General Press release.

The 15th International EME Conference, August 2012

The UK Microwave Group (In conjunction with the RSGB), hosts of the 15th International EME conference are delighted to announce that the venue for this conference is to be Churchill College Cambridge.

The facilities have been inspected by the organizing team and provide excellent accommodation, lecture theatre, meeting rooms, restaurant and bar on a single site.

A typical bedroom | The dining Hall | Part of the Bar area

The organizing team is working to develop the program for delegates. This will include an optional pre conference tour and a program for partners. The main conference will take place on the 17th and 18th August 2012 with the optional tour on 16th. Accommodation will be available from the evening of the 15th August for those wishing to arrive before the tour. More details of the program will be announced as the plans are confirmed.