432 AND ABOVE EME NEWS
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EDITOR: AL KATZ, K2UYH; DEPT. ELECTRICAL/COMPUTER ENGINEERING, THE COLLEGE OF NEW JERSEY, PO BOX 7718 EWING, NJ 08628, TEL (W 609-584-8424) OR (H 609-443-3184), FAX (609-631-0177), E-MAIL alkatz@tcnj.edu
NETNEWS EDITOR (BASED REFLECTOR NEWS) REIN, W6SZ pa0zn@arrl.net WITH HELP OF N4PZ AND WB2BYP
CW INITIAL LIST G4RGK, DAVID DIBLEY, E-MAIL zen70432@zen.co.uk, AT: http://www.zen70432.zen.co.uk/Initials/index.html
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DL0SHF 3 CM EME BEACON, 10368.025, SEND INFO & QUESTIONS TO PER (DK7LJ) per@per-dudek.de.
NL EMAIL DISTRIBUTION and EMAIL LIST CORD: WARREN, W2WD wbutler@ieee.org [PDF OR "ON WEB" NOTICE]
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CONDITIONS: The first weekend of the 50 – 1296 part of the ARRL EME Contest provides the principle news this month. Conditions and turnout were generally good; weather (WX) depended on where you were located. You hear that "432 is over the hill as an EME band" but you cannot justify this statement by the high scores reported for the contest weekend. On 70 cm OH2PO leads the pack with a total of 79x39! DL9APV is close with 78 QSOs - (Bernd does not give his multiplier). On 1296 the picture is less clear where HB9Q reports 56 QSOs on JT and CW and OK1CA has 55 using only CW. Can 23 cm activity be lower than 70 cm, and even less than the multi-band microwave (MW) contest totals? *There was not much new dxpedition activity since the last newsletter (NL). Both the XT2AFT and S9YY were covered in the last NL. The E44CM dxpedition to Palestine is just starting with 432 activity only on 20 Nov during the contest. It will be followed by E44QX and E44HP on 8 to 18 Dec on 23, 13 and 9 cm – see the E44CM info. There were some interesting surprises. BD4SY showed up on 9 and 13 cm to give new DXCCs on these bands; also CN2R and* W3XS in OR *were on 432 for short (unannounced?) dxpeditions during the contest – see HB9Q's report. N2CNN is now QRV from SC on 1296 (and 432 too) – see John's report.* **Don't miss the finally of the 2016 ARRL EME Contest (50-1296) coming right up on 19/20 Nov!** After, the next contest will be the 1296 SSB EME Funtest on 7/8 Jan in 2017. The 70 cm CW activity time period (ATP) returns on 18 Dec 0530-0730 and 2130-2330.

A 24 GHz ACTIVITY WEEKEND (AW) was proposed for 12/13 Nov. It was an excellent weekend; unfortuntely I was unable to get this NL in time to support this event. Hopefully next year a date can be set earlier. The OK1KIR was the lead organizer with DL7YC, G4NNS, VE4MA, DF1OI and G3WDG among others planning to be QRV. I have not yet received any reports on the AW.

JA3ERE setting up for 24 GHz AW

DJ3JJ: Andreas dj3jj@gmx.net is setting up for 23 cm EME – I know have a 2.5 m dish in operation on 1296. During the Oct ARRL EME Contest weekend I copied on CW K2UYH and others. I am now working on the TX side and expect to be QRV soon.

DK3WG: Jurg dk3wg@web.de continues to be one of the most active EME stations on 70 cm – In Oct I added 432 QSOs using JT65B with UB6A, *S9YY for my 126th DXCC*, LU8ENU and *XT2AFT 127th DXCC*, and with CW VE6BGT. I was also on 1296 added initials using JT65C with EW1AA, UA4AAV, IW5BHY and WA3RGQ (from EL98).

DL6SH: Slawek dl6sh-eme@online.de was active on 432 during the Oct contest weekend -- I missed a lot of sleep and made 19 analog QSOs during 2 long nights. I completed with PI9CAM on SSB when they had only 50 W or less. I was looking for more stations; maybe there was low activity during my window. I also completed 9 JT65B QSOs, and added 6 initial contacts. I had some problems with a defective contact on my control cable and lost a preamp. But no matter, it was really funny and I do not plan to submit a log because of the ARRL Contest's new rules.

DL7APV: Bernd dl7apv@gmx.de reports on his Oct EME activity – I made 78 QSOs in the first 432 contest weekend; including 15 QSOs on CW and 4 initials. My score had one more QSO compared to last year - not bad! I had only 2 hours of sleep for the 2 nights. Before the contest *I worked S9YY, XT2AFT and 4Z5CP for 3 more DXCCs. 4Z5CP is in (KM72mt) Israel. Dimitrj is QRP with only a single 19 el yagi and TX of 50 W to 20 m of cable.* Condx seemed normal to good, but only one way at times. I tested with MX0CNS using only a 2 el yagi, but was not successful. He heard me from time to time, but I did not copy him. We did complete again with his 7 el yagi very easily, but no luck so far with the 2 el yagi. He also tested with HB9Q with negative as well. I missed W3XS (in OR), VK2MAX, W9IIX and CN2R. CN2R had a single yagi and IC7000 with a big drift and a deaf receiver. I tried for 3 hours with no success. They promised to go again to CN soon with a better rig. K0KE (DM69) will come on 432 soon with 2 yagis and 500 W. Phil has heard me but had a PA problem.

E44CM: *Chris (PA2CHR) post@pa2chr.nl and Jos (PA3FYC) will be QRV on 432 from Palestine (KM71ru) for one day on Sunday 20 Nov from 0000 to 1000. they will use a single 27 el DK7ZB yagi (17.7 dBd gain) with mechanical polarization control and 400 W, and will have spare transceivers/PA's/preamps, etc. [**E44QX and E44HP** will be QRV from 8 to 18 Dec on 23, 13 and 9 cm. This dxpedition will be operated by the Bodo (DF8DX) and Hermann (DL2NUD) and use gear similar to that used for their JW and HV dxpeditions*].

EW1AA: Sergej ew1aaminsk@gmail.com is QRV on 23 and 13 cm but still has only 50 W on 13 cm. He corrects his report in the last NL. In ARRL MW EME Contest, he made 2 QSOs on 13 cm with UA3PTW and HB9Q. Sergej was QRV on 1296 during the Oct contest weekend, but a report on his results has not yet arrived.

F1EHN: JJ jjm_f1ehn@wanadoo.fr corrects the reference to the 1991 dxpedition to GJ at the end of the last NL in EME 25 Years Ago -- The station was F6KSX (GJ/F6KSX). More detils on the dxpeditiuon can be found at http://f1ehn.pagesperso-orange.fr/pages_f6ksx/eme1991.htm. Today, I spent a large part of my radio hobby around radio astronomy, mainly on 21 cm. This year, I have detected 3 pulsars using my 23 cm EME station on 21 cm with digital processing. Details can be found at http://neutronstar.joataman.net/sites/f1ehn/index.html and http://www.youtube.com/watch?v=HGwkZY4E64k.

G3LTF: Peter's g3ltf@btinternet.com EME report for Oct -- On 21 Oct, while checking out my 23 cm system, I worked EA8DBM on CW and then called CQ on SSB. I was delighted to then make SSB QSOs with PA3FXB, PA2DW (2.4 m dish and 250 W) and EA8DBM. Finally, I worked G4BAO on random CW. Maybe some of the 23 cm ops who don't do CW would like to try SSB with me? In the ARRL contest I was on 23 cm on the first pass using CW unless noted as SSB; on 22 Oct I worked SP6ITF, RA3EC, 9A5AA, UA4HTS, JH1KRC, YL2GD, OZ6OL, F6ETI, DL3EBJ, SP3XBO, DF3RU, I5MPK, S53MM, PA3FXB, OK1CS, SM3AKW, I5YDI, HB9BCD, IZ1BPN, DJ8FR, K9KFR, SV3AAF, W6YX, IK3COJ, PA2DW, UA3PTW, OH2DG, SP6JLW, VE6BGT with an amazing SSB signal, PA3DZL, N4PZ, OZ4MM, OK2DL, WA9FWD, KL6M, I1NDP, N5BF for initial #427, LU1CGB, SM3JQU, G4CCH, HB9Q, WA6PY and VA7MM. I returned to 23 cm at the end of the second pass, 23 Oct, and worked N8CQ, LZ2US, OK1CA, WA2FGK, DL7YC, OK1KIR, K2UYH and a nice surprise at the end, IK2MMB for total of 51. Got-aways were K4EME (CWNR) and OK2ULQ who disappeared during the QSO. WA3GFZ also had a good signal but sent no Rs. IZ2AEM and IK1FJI were heard in QSO but I never found a CQ, and F6KRK was heard briefly in a very weak CQ. Conditions were good with some very long QSB peaks at the libration minima especially on the first pass. I was active on 432 in the second pass and worked 23 stations on CW, SM4IVE, I2FHW, JA9BOH, JA0TJU, F6HLC, UA3PTW, OH2PO, JH4JLV, DL7APV, DL6SH, UT5DL, DF3RU, PE1ITR, SM2CEW, OZ4MM, PI9CAM, DL9KR, WA6PY, W5LUA, OE3JPC, SM2A, PA2V and SP6JLW. Heard was K3MF in QSO, no CQ. I did post my 432 QRG on the logger a couple of times, but all QSOs were random. I had some big problems with the PA driver (it blew up) and I spent a lot of time getting a substitute going. The QSO rates on 70 cm were frankly disappointing. Conditions early on were excellent with sharp polarization peaking, but quickly deteriorated to spread polarization with no obvious peak over a wide angle and later on to rapid changes of polarization (with full rotation of the feed, I can see this happening quite clearly). I'd forgotten how pure T9 the 432 signals sound in comparison even to 1296. Due to a calendar screw up, I will not be on for the second leg except just possibly on 23 cm for the last MR on Sunday night. My thanks to all the 6 cm guys who sent me material for my talk about 6 cm activity that I gave at the RSGB convention, and my apologies to all whose contributions I was unable to use because of time. The slides can be seen at www.moonbouncers.org. I plan to do a post-talk updated version at some future date.

G4BAO: John john@g4bao.com had a fun weekend during the Oct EME Contest weekend -- With my small (QRP) station on 23 cm and operating at what I like to describe as "civilized hours" - post breakfast here, I worked a few of the "usual suspects" on CW and JT including 3 JT initials with OH1LRY, KN0WS and N5BF. I had the best fun at moonset on Sunday when my 1.9 m dish 150 W system was looking into the houses and unusable. I switched over to my terrestrial system (350 W to a single 44 el yagi at a height of 8 m with no elevation) and completed a JT QSOs with HB9Q and W6YX. The latter when the moon was just 4 degs above the horizon. I have suggested to a number of locals that they should try doing the same over the weekend; I thought I'd better prove it could be done! EME is great fun as ever! I'll be keeping the 23 cm system in the dish for the foreseeable future, so please email me if you'd like to test out your system on a small (or even smaller) station. I'm particularly keen to QSO someone in VK land as I still need that continent on any band, any mode. I have only a small window due to trees but willing to have ago any time I can hear the ON0EME beacon!

HB9Q: Dan dan@hb9q.ch on his group's operation during the Oct leg of the ARRL EME Contest -- We have worked on 70 cm 63 stations, all JT. New initials are SM7THS, KG6NUB, OZ9FW, VK2MAX, JN4JGK/3, W9IIX and W3XS. After the contest, we added RV3IG, RW9ST, *CN2R for DXCC 157*, DL5OCD, KH6TY, RO2F, OK6TW, IK4PMB and MX0CNS (26DB/19DB) with a single 2 el yagi and 60 W to bring us to mixed initial #923*! On 1296, we worked 56 stations, 11 on CW and 45 on JT. Initials are OK9KY, LA4ANA, VA3ELE, RO3X, WA3RGQ (in EL98), OH1LRY (in KP11) all on JT and IZ1AEM on CW. After the contest we added OZ9PZ and ON4AOI for mixed initial #568*. *We also worked PY2BS on 6 cm (569/579) for DXCC #26 and mixed initial #55**. On 13 cm, we added KD3UY (13DB/13DB) for mixed initial #147*. *On 9 cm, we worked BD4SY (23DB/23DB) for DXCC 25 and mixed initial #54*. And on 13 cm we QSO'd BD4SY (2320) (14DB/20DB) for DXCC 56 and mixed initial #148**. Zhu has a 3 m mesh dish and 130 W at feed on 13 cm. He was clear speaker copy! Unfortunately he does have a lot of WIFI QRM, so it was very difficult for him to copy my EME signals. We will be QRV during the Nov contest weekend. As always we are on standby and watching the HB9Q loggers. We will announce our calling QRG and mode there. On request we will be also QRV 13, 9, 6 and 3 cm. Let us know by e-mail or on the logger and we are happy to QSY.

JA4BLC: Yoshiro ja4blc@web-sanin.co.jp reports on his Oct Moon activity – I was QRV for the ARRL competition on 22/23 Oct on 23 cm. I worked N4PZ, W6YX, VA7MM, K2UYH, VK5MC, RA3EC, UA4HTS, OK2DL, OZ6OL, KL6M, UA3PTW, OK1CA, SP6ITF, SP6JLW, G4CCH, YL2GD, DL3EBJ, DF3RU, OK1CS, OK2ULQ, 9A5AA and SM3AKW for a total of 22 stations. I was also active on 3 cm (10450). Before the contest on 15 Oct, I installed a linear pol feed and worked JA1WQF (559/559) instead of the previous linear to circular mismatch. After the contest on 26 Oct I again worked JA1WQF (O/O). I plan to operate during the Nov 24 GHz AW. In preparation, I installed my 24 GHz equipment on the dish after a one year absence. After some trouble-shooting, I found my echoes and worked partial with JA1WQF (O/O) - no R and OK1KIR (O/O). On Sunday I worked OK1KIR (569/549), OK1CA (O/O), JA1WQF (O/O) and partial G3WDG (O/M) partial without Rs from Charlie. JA8ERE was heard (M). JA8ERE in Sapporo city appeared on the band on Sunday and worked OK1KIR for his first 24 GHz EME. Mikio has 4.5 m solid dish and a 20 W SSPA. He says that he has much to do for regular operation on this band. He also needs to struggle with snow fall in the winter season.

JA6CZD: Shichirou ja6czd@mx35.tiki.ne.jp has decided to stop his EME activities. He is 83 yrs old and healthy enough at the moment, but thinks nobody knows when health problem can happen and wishes to reduce his ham radio activities (and equipment) while he still has enough power to do so. Shichirou has been QRV on EME since 1975 and on 432 to 24 GHz. [TNX to JA4BLC for this report].

K1DS: Rick rick1ds@hotmail.com had no joy during the Oct weekend of ARRL contest weekend -- I set up the trailer, dish and feed on Friday afternoon while the sun was shining. I covered the important parts with plastic raincoats and awaited the storm. My portable set-up was no match for the storm with rain and winds to > 60 km. I was unable to operate on the first pass and had to take down the dish again on Saturday afternoon as the rain and wind persisted for the second pass. I'll have to find a better way to house my portable electronics to be able to operate in less favorable WX conditions. Please keep your logs and send them to ARRL after the third weekend. The more logs showing participation, the better attention we get. If folks have pictures, specific special QSOs or brief stories about their contest activities, please send to me for potential inclusion in the write-up of the contest.

K1DS's contest plans were rained out

K4EME: Cowles candrus@mgwnet.com had a great time working the Oct leg of the ARRL EME Contest -- My WX made things challenging! I completed with 39 stations; however, I decoded many more that for one reason or another I just did not work. I worked 25 stations on 432, three of which were on CW, and I worked 14 stations on 23 cm. I was late getting on 23 cm again due to a perfect alignment of one large pine tree and the Moon. I have cut down several pine trees already this year to give me a clear east view, but it still looks like I need to cut or trim one more! I may have missed a bunch of stations on 23 cm due to Doppler. In may cases, I did not find them until they had already gave up and changed frequency. I have only been on 23 cm for a short time with a very small station and still have a lot to learn! From time to time on 70 cm Faraday was alive and active. On top of that the local WX was not at all

good due to very high winds all weekend! We had a wind advisory and thunder storm warning as a cold front pushed through the area during prime EME operating times. When I did not have cloud cover, I would watch the moon pass through the cameras' target position, swinging the array many degrees plus and minus of my cross hairs! The wind came in small bursts, sometimes shacking the whole house! Local WX reports has the wind gust at 40 mph. I live on top of a large hill, and we got that and a little more! Also, I noticed a lot of RF noise that seem to happen during the worst of the wind bursts. I am thinking that maybe there was a power line or insulator/hardware that was arcing due to the high wind somewhere near to me. There is a nearby substation, which may have been the source. Stations worked on 432 using CW were OZ4MM, OK1CA and K2UYH. I also worked with JT65B OH2PO, HB9Q, DL7APV, PA2V, VK4EME, K3MF, UA4AQL, DF3RU, UX5UL, UT5DL, UA3PTW, DL8FBD, DK4RC, SM7THS, K5DOG, OK1TEH, SM2A, VE4MA, DL6SH, W5LUA, PY2BS, and W7MEM. On 1296, I worked HB9Q, UA3PTW, UA4HTS, RA3AUB, W6YX, VA7MM, IK2MMB, OK2DL, G4CCH, OH1LRY, VE4SA, VA6EME, KN0WS, and K2UYH all on JT65C. In spite of the bad WX, I made 2 more contacts this year over last. I missed a lot of stations on both 23 and 70 cm. I just got my second FCD Pro Plus working that I put on 23 cm right before the contest. I noticed that I had a lot more lines than real signals on 23 cm on MAP65 during the contest. This made it harder to pick out real signals, so after the contest I looked into what the cause might be. Investigating why I had so many lines in my 1296 MAP65 display, I found that I had some very strong local signals in the 500 to 1100 MHz range when viewing them with my spectrum analyzer. I realize at this point that the lines may be coming from overloading my second LNA. I got a lot of help from Moonnet on where to find good band pass filter designs for 1296. I want to thank everyone for the help! I have built two BPF so far, one from one of W1GHZ's papers and the other from W6PQL's web site. I placed one band pass between the two 23 cm preamps and the other one on the output of the second preamp. The BPFs worked great in cleaning up my response on my FCD Pro Plus SDR driving the MAP65 display!

K7ULS: Mike k7uls@yahoo.com is a small station on 432 EME and looking for QSOs in the ARRL EME Contest – I made only 5 QSOs in Nov with DL7APV, HB9Q, UA3PTW, PI9CAM and OH2PO. I hope to be on again in Nov.

K7ULS' single long yagi

KA1GT: Bob ka1gt@hotmail.com was and will be active on 432 during the ARRL contest (WX permitting) from Maine -- Currently I am running about 500 W at the antenna (2 x 28 el yagis). I now have motorized polarization control; so I can switch polarization (any angle) between TX and RX. Despite limited operation on the 1st contest weekend (due to WX), I worked K2UYH, KN0WS, VK4EME, W5LUA, K5DOG and W7MEM. WX (high winds and heavy rain) prevented operation during my EU window. The antenna has been slightly relocated so I can see the rising moon when it's at a positive declination. At 68.2 degs W, I may be the first US EME station to see the moonrise!

KD3UY: Bob kd3uy@comcast.net is now QRV on 13 cm -- My station is small, a 2.7 m HB dish with 80 W and a G4DDK preamp at the feed. I can RX 2300 – 2420. I think the system is working pretty well. I have completed 3 QSOs with W5LUA, HB9Q and PY2BS in a few weeks of operation. I seem to have my frequency pretty accurate, but pointing on 13 cm is a bit touchy. For now I am just QRV with JT65C, but hope to be on CW in the near future. The QTH is MD (FM19lg). I suffer from some tree blockage, particularly to the east. Please contact me if you would like a sked. I would really like to make a bunch more QSOs. I am also available for 1296 for skeds with the same 2.7 m dish and 200 W. I would like to thank W5LUA, for his help and patience.

KN0WS: Carl's carlhasbargen@q.com Oct EME report -- I could not find anyone to work for me on the Friday before the Oct contest weekend, so I got out of bed at 0440 to be to work at 0600 (LST). After leaving work that evening I drove to my dish property to set up camp and my 70 cm gear. I had troubles with my electrical generators and some cables, so I only had about 30 minutes to close my eyes (but not sleep) before the Moon rose. Using JT65B I worked HB9Q (14DB) and OH2PO (12DB) through the trees, then W7MEM (14DB), DL7APV (5DB), UT5DL (21DB), K2UYH (7DB), DF3RU (12DB) K3MF (14DB), UA3PTW (6DB), LU8ENU (22DB), PY2BS (13DB), DL8DAU (19DB), PA2V (14DB), VK4EME (20DB). I had two initials with DK4RC (21DB) and KA1GT (18DB) for a total of 16x13 on 70 cm and to bring me to initial mixed initial #50*. I was sorry that I missed chances with about a third of the stations that I decoded - they tended not to be around once I finished working someone else. I think there were 8 other stations I decoded between (14DB) and (24DB) but did not work. One of my electrical generators died during an attempt with K5DOG (26DB), so we failed. After taking down the 70 cm gear, removing the mesh from my 6 m dish for the winter and setting up for 23 cm, I crawled into my sleeping bag. I had been awake for 36 hours. The second night was as calm as the first, but mostly cloudy. I used JT65C to work OK2DL (7DB), RA3EC (14DB), HB9Q (4DB), ES6RQ (9DB), RA3AUB (12DB), DF3RU (8DB), VA6EME (22DB), K2UYH (7DB), N5BF (20DB), DF2VJ (21DB), WA3GFZ (-22DB), VA7MM (22DB), I5YDI (19DB) and W6YX (9DB). I had initials with UA4AAV (11DB), IW5BHY (18DB), UA4HTS (8DB), OE9GLV (22DB), OZ9KY (18DB), PA3CSG (-14), G4BAO (-20), OH1LRY (-13), WA3RGQ (-20), K4EME (-18), JA1WQF (20DB) and RW0LDF (24DB). I ended with a total of 26x20 and brought me 23 cm mixed initial #67*. Last year my ARRL score was 136,400. After the first weekend this year I am up to 138,600; I hope to work 23 cm again in Nov. I am looking for a mailing address for OH1LRY. I told G3LTF that I would try to learn CW for next year. My efforts go back to 1975 when I bought a 33-1/3 RPM record with instructions to learn code. My brain does not seem well wired to learn new languages or CW. Some stubborn people refuse to try to learn CW and some of us stubborn people refuse to quit trying after repeated failure; at least so far. Although under normal conditions the TX2000X is quite stable, because of the extreme temperature changes at my outdoor MN location, some form of additional temperature control is required. I normally have the 2000 in an egg incubator! I thought I would try to modify it for GPS frequency control. I built a tiny circuit board along the lines of the circuit published by VK3HZ. After much trouble trying to solder in a tight space, I met with initial failure. I then just placed a physical switch in the back of the radio to let me change from the internal TCXO to an external GPS-disciplined clock. this seems to work, so I might try the Nov leg without the incubator.

N4CNN: *John n4cnn@yahoo.com is now QRV on 23 and 70 cm EME from SC with a 10' dish. John has a circular pol septum feed and N6CA cavity PA on 1296, and a linear loop feed with K2RIW PA on 432. He will not be QRV for the Nov contest weekend because of travel, but will be back home at the end of Nov.*

N4PZ: Steve n4pz@live.com was QRV during Oct on 1296 during the contest and other days with good Moon conditions calling CQ on 1296.020 with his new big PA (1.5 kW). He notes that on 17 Oct that he had "a semi QSO on SSB" with VK4JDS (439). Look for Steve on 23 cm CW (and SSB) in Nov.

N4QH: Lyle lylen4qh@aol.com is still selling dishes and reports that W1PV just picked up a 12' dish. He will be back on EME when he finishes building his new house.

N5BF: Courtney courtney.duncan.n5bf@gmail.com writes on his 1st EME contest weekend experiences -- My landscaping circumstances only permitting "eastern half of the sky" visibility. I was constrained to the night hours Saturday and Sunday. I tried "split sleeping" both days with

some success. I slept 2100-0100 local, operated 0100-0800 and … or so. I was only on 1296 and scored 22x17 with a nice mix of CW and JT65C. Most of these were initials since I've been on the air for only two months. Worked using JT65C were PA3FXB for a digital initial {#}, RA3AUB {#}, HB9Q, PA2DW {#}, UA4HTS {#}, OK1KIR, G4CCH, WA3RGQ {#}, W6YX {#}, ES6RQ {#}, KN0WS, OH1LRY {#}, G4BAO {#}, VA6EME, DF2VJ {#} and UA9YLU {#}, and with CW OK2DL CW initial (#), OK1KIR dup, G4CCH dup, G3LTF (#), K2UYH, N4PZ (#), I1NDP (#) and OZ4MM (#). I understand how CW contacts work now. It's pretty exciting to listen to libration riddled gibberish for minutes then suddenly on a peak, hearing a whole callsign complete at once. Indeed, the most interesting story is that I found OK2DL just by tuning around listening for CW (no coordination), answered his CQ and completed a contact with the apparently five plus minutes of repeats. But when he was through there was still CW on frequency. Turned out he had been tail ended by OK1KIR, who was tail ended by G4CCH, who in turn tail-ended by G3LTF. All on the same frequency. I listened carefully after that fourth QSO and was a little disappointed that there wasn't a fifth! The trees in my western half sky have a few holes in them and, while watching for VK-ZL-JA-Asia stations through that hole worked UA9YLU in MO92. I've never been much of a DX chaser on the low bands so I don't always just know from a prefix what country I'm talking to. Imagine my surprise at finding Estonia, Czech Republic, and Asiatic Russia in the current list! I plan to be on both days in Novand, having trimmed some trees today, could have better (but still challenging) coverage to the west. I already have a long list of callsigns to look for and look forward to working all of you!

OE5JFL: Hannes oe5jfl@aon.at reports on operating the Oct contest weekend on 23 cm with a 80 cm horn antenna and 80 W – Unfortunately because of other commitments I had only a few hours to be QRV during the contest weekend. As promised I tried to work more stations with my recently built 23 cm horn antenna (see photo in the last newsletter). I placed the horn at the balcony with an 80 W SSPA. Of course no chance for CW, but WSJT was possible. Within 2 hours I worked HB9Q (9DB/21DB), UA4HTS (12DB/22DB), UA3PTW (13DB/19DB), RA3AUB (20DB/24DB), DF3RU (20DB/O) and OK1KIR (17DB/23DB). Received only were PA3FXB (22DB), DK0ZAB (21DB) and OH1LRY (21DB). The last 30 minutes of my moon window, I listened to the CW part of the band and could easily copy G4CCH, OK2DL, OZ4MM and I1NDP. I have uploaded recordings of some EME signals to my webpage together with the results of my tests – see http://www.qsl.net/oe5jfl/small_stn_eme.htm. I hope to have more time for activity in the second part and will then use my 7.3 m dish again.

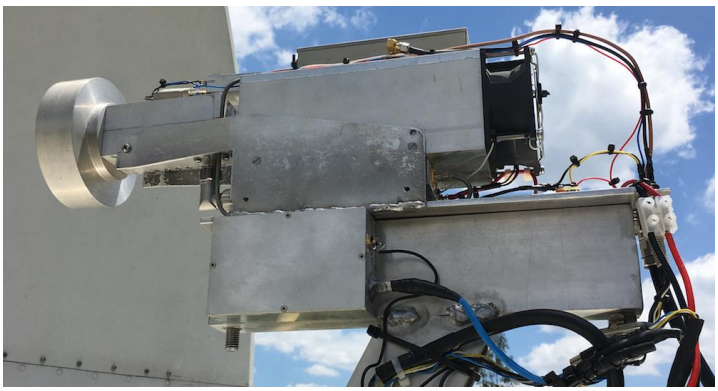
OH2PO: Jukka (OH6DD) jukka.sirvio@luukku.com sends news on the 30th consecutive participation in ARRL EME Contest by the OH2PO EME station on 432 – This was Matti (OH2PO) and my 30th year of operation in the EME contest - something worth celebrating! Matti's big dish has been re-built a couple of times during those years due to wind damages. Luckily winds were not too strong this year during the Oct leg. Operators were OH2PO, OH2HYT, OH2BGR and OH6DD. This year we decided to make use of the loggers and see how it affects our results. Conditions were excellent on Saturday but not so good on Sunday. Our first weekend score is 79x34. About 25 ~ 30 of our 79 QSOs were on CW. Activity on CW was poor compared to the old days but better than last year. Thanks to SM4IVE, who acted as a CW beacon on 432.015. Compared to last year when all of our contacts were random (70x29 on 1st weekend) there is a small but clear improvement due to use of HB9Q logger.

OK1CA: Fanta strihavka@upcmail.cz sends his report on the Oct part of the ARRL EME Contest -- I was QRV using CW on Saturday 22 Oct on 70 cm. I worked 15 stations including initials with DL6SH, W5LUA, OE3JPC and WA6PY to bring me to initial #179. The QSO with W5LUA on 70 cm was our seventh band on EME! I only heard OK2POI and OK1TEH. I later changed the feed and I continued on 23 cm. I worked 55 stations on CW. 1296 initials were RN4AT, SM7JSR and DL7YC to bring me to #327. I worked no stations from VK and only two stations from JA, but there was good activity was from NA, I worked 10 stations there. I plan to be QRV on 23 cm in the Nov part of the contest.

OK1KIR: Vlada vlada.masek@volny.cz and Tonna report on their group's operation from 14 to 31 Oct – *On 432 we QSO'd on 14 Oct using JT65B at 1740 S9YY (23DB/19DB) for digital initial {#182} and new DXCC and JJ field, and on 16 Oct at 2208 XT2AFT (18DB/O) {#183} and another new DXCC.* On 1296 we worked using JT65C on 15 Oct at 2052 M0DTS (12DB/7DB) for digital initial {#250}, 2106 RA3EC (12DB/5DB) {#251} and at 2153 DF2VJ (20DB/O) {#252}, *on 16 Oct after one of four SSPAs burned its PCB - we reconnected combiners with only two SSPAs - and with almost 500 W at 0238 XT2AFT (25DB/O) and digital initial {#253} as 1st XT-OK 23 cm QSO and new DXCC*. Operation on 23 cm during the Oct part of the ARRL contest brought in CW QSOs on 22 Oct at 0200 IZ1AEM (559/559) for initial #404, 0911 F6KRK (549/559) #405, 1003 N5BF (559/549) #406, 1016 S53MM (559/559), 1021 G4BAO (O/O), 1026 PA3DZL (569/569) and 2311 OK1CA (579/589), and on 23 Oct at 1143 G3LTF (579/579), 1146 G4CCH (589/589), 1152 9A5AA (559/569) and 1155 DL3EBJ (559/569); and using JT65C on 22 Oct at 0003 PA3FXB (12DB/9DB), 0026 RA3AUB (9DB/6DB), 0041 RN4AT (20DB/O), 0055 OZ9KY (20DB/O) {#254}, 0105 LA4ANA (20DB/O) {#255}, 0234 I5YDI (13DB/O), 02:42 YL2GD (11DB/4DB), 0320 UA4HTS (5DB/2DB), 0358 VA3ELE (24DB/23DB) {#256}, 0802 DK0ZAB (9DB/10DB), 0827 OE5JFL (23DB/17DB) with only 80 cm horn and 80 W, *0843 N4CNN (15DB/O){#257} and SC for US state 42*, 0923 EW1AA (22DB/O), 0929 N5BF (12DB/11DB) {#258}, 1043 EA5DOM (17DB/O) {#259}, 1051 WA3GFZ (18DB/22DB), 1101 PA2DW (8DB/10DB), 1117 WA3RGQ (15DB/8DB), 1128 OK2DL (3DB/O), 1140 VA7MM (11DB/9DB), 2252 UA3PTW (9DB/O), 2319 VK4CDI (13DB/5DB) and 2334 RW0LDF (21DB/12DB), and on 23 Oct at 0022 PI9CAM (7DB/3DB), 0520 I7FNW (17DB/20DB), 0528 VE3NXK (20DB/14DB) {#260}, 0957 G4BAO (15DB/15DB) {#261}, 1045 LU1GCB (24DB/O), 1105 G4YTL (13DB/8DB) {#262} and at 1120 K2UYH (5DB/O).

PA2V: Peter peter@pa2v.com reports on the Oct contest weekend and his recent activity -- During July, Aug and Sept I was very busy and in Curacao for a business trip. *I was on 432 for the S9YY and XT2AFT dxpeditions. For S9YY the first day was not very good, but the second gave success. There was too much Faraday rotation for a fast QSO. I needed nearly 5 hours to get him into the log. XT2AFT was a real frustration. I could see Hermann from the first moment, but only the very big dish stations were able to work him. There was no possibility was possibility later unfortunately because of his hospitalization. Let's hope for another 432 dxpedition to XT2 soon.* I was able to become active again for the contest. I QSO'd DL8FBD, mixed initial #118*, RN6MA # 119*,EA5CJ, US7GY #120*, VK4EME, VK4CDI, DJ4TC #121*, PA5Y #122*, UB6A #123*, OH2PO, EB2FJN # 124, , DF3RU, S9YY #125* for new DXCC, UT5DL, ES3RF, PY2BS, K2UYH, KN0WS, K4EME, DL7APV, LU8ENU, UA4AQL #126*, UA3PTW, K3MF, W5LUA, SM2CEW CW, SM4IVE CW, G3LTF CW, OH2DG, ES5PC and W7MEM. All QSO were JT65B unless noted on CW.

PA3DZL: Jac pa3dzl@ziggo.nl fills us in on his operation during the Oct ARRL Contest weekend -- I was only QRV Saturday on 1296 using CW. stations. I found very nice activity and worked 26, but unfortunately with no initials. I did have great fun working most of the stations with BIG signals. I QSO'd between 0553 and 1115 SM3AKW (559/559), UA3PTW (579/579), SP6ITF (559/559), IZ1BPN (539/559), I5MPK (559/559), S53MM (559/559), DJ8FR (559/559), DL3EBJ (569/559), IW2FZR (559/559), 9A5AA (559/559), OZ4MM (569/579), OH2DG (559/559), G3LTF (569/579), G4CCH (579/579), OK2DL (579/579), RA3EC (559/559), W6YX (579/579), SP6JLW (579/579), WA9FWD (559/559), IK3COJ (559/559), KL6M (569/569), PA2DW (559/559), PA3FXB (559/559), I1NDP (579/579), OK1KIR (569/569) and HB9Q (579/589) - strongest signal. I also heard N4PZ and some other stations calling me but no QSOs. I was using my 3.7 m solid Andrew dish, VE4MA feed, G4DDK preamp and SSPA. I hope to have more radio time during the 2nd pass.

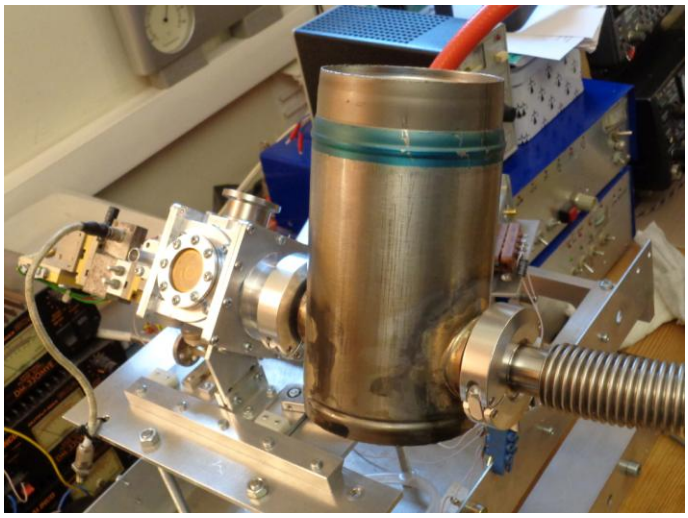


PY2BS' 6 cm feed and 60 W SSPA – see next page

PY2BS: Bruce has expanded the capabilities of his new dish site to include both 3 and now 6 cm -- I'm already on 6 cm with the same dish I'm using on 3 cm. Despite some strong local 5 GHz WiFi QRM, which I did not have at my coastal PY1KK QTH, I had a nice (579/569) first QSO with HB9Q - TNX you Dan. I am using the same 3.7 m dish and 60 W at a CP feeder. The circularly polarized feed, designed for the 0.42 f/d mesh dish, under illuminates the 0.33 f/d reflector, but I'll keep it until I find a better way to deal with the WiFi interference. I also added two CW initials on 3 cm with VK3NX and WA6PY, I can be QRV on 6 or 3 cm most days. Skeds and tests are very welcome.

RV3IG: Andrey rv3ig@rambler.ru in (LO17fj) is now QRV on 432 EME. He made his first QSO in Oct using JT65C with a single 15 el yagi and 30 W with HB9Q. Look for him during the Nov contest weekend. [Thanks to DK3WG for relaying this report].

RW0LDF: Serge rw0ldf@mail.ru (OO62mg) was on 1296 in Oct and added initials using JT65C with RA3EC, UA4AAV and VA6EME. [Thanks to DK3WG for relaying this report].
RW3BP: Sergei rw3bp@ya.ru is still thinking about a two way EME QSO on the 77 GHz band -- A cooled LNA is one more step to this end. At the end of Oct I tested a new LNA cooled by liquid nitrogen. LNA cooling is a new thing for me and this is a result of about one year of effort and mistakes too. The temperature was about 1 deg C (274 K) and humidity 75% with a dew point of -3 deg C. It was cloudy, but no heavy clouds. The results were good enough. Ground to sky noise ratio is 4.0 dB. By the VK3UM atmosphere calculator the sky noise was 50 K. For a 274 K ground temperature, it is easy to calculate receiving system noise temperature. It is 100 K. I don't know my antenna noise but think it is about 10 K. So the noise temperature of LNA is about 90 K (NF 1.2 dB). The Sun noise at 20 deg elevation was 12.5 dB and Moon noise 1.6 dB at 18 deg elevation and nearly new Moon. I hope it can be up to 4 dB for full Moon and high antenna elevation. If compared to with my old receiver that I used for echo tests in 2013, it is more than a 10 dB improvement. Unfortunately the Moon noise reduces this improvement to about 7 dB for good conditions (new Moon and clear sky). In the new LNA I use CGY2190UH by OMMIC. The next task is not to lose receiver sensitivity when switching T/R and to protect LNA from my high TWT power.



RW3BP's 80 Ghz cooled LNA

SM2CEW: Peter sm2cew@telia.com reports for the coming NL -- I was QRV on 70 cm and worked the following stations during the activity weekend on 22/23 Oct (some refer to it as the ARRL EME Contest) I2FHW, OK1CA, OE3JPC, DL6SH, UA3PTW, SM4IVE, SM7GVF, ES5PC, OH2PO, WA6PY, OZ4MM, G3LTF, DL7APV, PI9CAM, DF3RU, DL9KR, UT5DL, PA2V, SP6JLW, F6HLC and SM6FHZ. All stations were worked in CW of course. Conditions were not optimal; there was a lot of QSB on signals. But 70 cm is really an excellent EME band and I had a very good time. All signals were peaking good to excellent RST reports. The plan is to spend some time on 23 cm during the Nov activity weekend. My return on 3 cm EME is on hold just now as I am putting together my new DB6NT 10 GHz Mk2 transverter kit. This will replace my old transverter for 3 cm that has some serious issues at the moment. Meanwhile I have modified what is supposed to be a very hot SatTV LNB to make it into a 3 cm preamp. But I see little difference in NF compared to my present preamp so this will probably be a spare.

SM4IVE: Lars sm4ive@telia.com spent his time during the Oct contest weekend on 70 cm CW -- I was QRV from Saturday from 0615 to almost moonset. I went off at 2330 to get some sleep and was QRV again at 0630 to moonset with a break for breakfast. I made a total of 41x24 with 4 initials. I "almost" draged UT5DL, SM7SJR, W7MEM and PY2BS on CW from HB9Q logger. Activity on 432 CW is a big disappointment. I seems to work any stations on CW, you have to go on the logger and drag them down to the CW part. What a pity! Faraday was terrible; it was dancing all around and sometimes I thought that the antenna was gone. Big stations such as DL9KR and DL7APV were only heard in vert pol. I had huge problems copying G3LTF. In the next part, I will drag more calls from logger to get on CW and look for stations on random.

UA3PTW: Dmitry ua3ptw@inbox.ru in Oct added initials on 70 cm using JT65B with UB6A, S9YY, PE2AAB, RW9ST, XT2AFT, PI9CM, G4HGI, JN4JGK, SM7THS and CN2R. On 1296 using CW he added IZ1AEM, VE6BGTand JA6XED, and with XT2AFT, VA3ELE, OZ9KY, I0NAA, DK0ZAB, LA4ANA and OK1IL. [Thanks to DK3WG for relaying this report].

UA3TCF: Alex ua3tcf@mail.ru was QRV on 6 cm in Oct – I worked on 5760 on 29 Oct UA4HTS (O/O) on CW and (13DB/16DB) on JT4F. My Rig is a 3 m dish and 12 W SSPA. I am interested in skeds.

UA4AQL: Alex ua4aql@inbox.ru in (LO20qb) was QRV during the Oct ARRL Contest weekend on 432. He added initials using JT65B with PA5Y, DL8DAU, DK4RC, K4EME, PA2V and PY2BS. [Thanks to DK3WG for relaying this report].

UA9YLU: Victor ua9ylu@mail.ru in (MO92hx) was active in Oct on 1296. He added QSOs using CW with DL7YC, and using JT65C with LA4ANA and N5BF. [Thanks to DK3WG for relaying this report].

UR3EE: Arthur ur3ee@rambler.ru is QRV on 70 cm EME. He worked in Oct using CW SM4IVE and using JT65B UT6UG, DL8FBD, ES3RF, G4FUF and UB6A. [Thanks to DK3WG for relaying this report].

VA7MM: Mark va7mm@rac.ca reports on 23 cm Oct contest – We were active during the Oct leg of the ARRL EME contest, multi-operator , and all modes. In eight hours of operation over the weekend, 37 contacts were made of which 21 were CW and 16 were digital. Two initials were added to our log, OH1LRY and DF2YJ, bringing out our mixed initials to #197* and #129 for CW/SSB and {#68} for digital. We were running an OZ9CR water cooled cavity amplifier that delivers about 200 W after losses to our 3 m dish. On receive we have a 0.33 dB NF preamp with about 35 dB gain. We are now using SDR and MAP65 in our digital mode operation. We are planning to operate in the Nov leg and are available for skeds.

VK4EME: Allan vk4eme@westnet.com.au sends news covering his last a few months of EME -- In late Jan, while lowering my EME array, (16 x 15 DL6WU yagis) I had a disaster. They are mounted on a tilt-over tower. The antennas were most of the way down when the hook on the winch wire, which apparently did not lock in properly, slipped off and the array fell the last two meters onto the ground. It's fall was arrested only by the elevation linear actuator, which now has a 30 deg bend in it and thus became forever useless. At the same time, I had taken one giant leap for mankind in the opposite direction. I think I may have said something like "golly gosh", more or less. The damage to the array was not extensive, but there were a few slightly bent yagis, a bent cross-arm and the requirement for a new linear actuator. The cross-arm had to be taken to the local engineering company for straightening, which meant all the yagis had to come off. Thanks to the invaluable assistance of VK4ZB, we repaired several yagis and joins in the open-wire phasing harness. Balun and coaxial connectors were resealed and so eventually, we were able to put it all back together again. Sun noise tests showed that all was working normally. By late Sept and in less than optimum EME conditions, I managed to work BH4PVP (23DB). He runs 4x23 yagis and 100 W. This gave me some confidence that the array was working fairly well. In mid Oct I worked using JT65B SM7GVF(14DB/O), UT6UG (14DB/17DB), DL6SH (6DB/11DB), DF3RU (DB6/DB11), OK1DFC (10DB/11DB), OH3LWP(10DB/O), PA5Y (16DB/O), DJ4TC (14DB/26DB), EA5CJ(13DB/20DB), F6APE (15DB/O), PA3CSG (16DB/20DB), PA2V (9DB/22DB), DL8FBD (15DB/16DB), G4RGK (12DB/14DB), DD0NM (20DB/27DB), PA2CHR (22DB/O) and US7GY

(18DB/O). In the Oct leg of the EME contest, 22/23 Oct, I worked KN0WS (25DB/20DB), KA1GT (14DB/20DB), K2UYH (12DB/O), JE1TNL (18DB/23DB), K4EME (16DB/O), K3MF (13DB/22DB), K7MAC (26DB/26DB) with 100 W to a single 32 el yagi, K5DOG (19DB/27DB), OH2PO (8DB/18DB), DL7APV (5DB/11DB), SM7SJR (20DB/O), YL2GD (19DB/O), HB9Q (4DB/11DB), UT5DL (11DB/23DB), OH2DG (8DB/23DB), EB2FJN (22DB/27DB), DL6SH (18DB/O), UA3PTW (5DB/15DB), PI9CAM (4DB/0), W7MEM (12DB/O) and W5LUA (8DB/17DB). I am looking forward to the last leg of the contest in Nov. I am retired so CW and JT skeds are very welcome almost any time of the week, WX and family permitting.

VK4EME's rebuilt array ((16 x 15 DL6WU yagis)

W4OP: Dale parinc1@frontier.com writes on his Nov 1296 plans -- It has taken me 10 months, but I managed to repair my 12' dish. I now copy the ON0EME Beacon and my echoes. I will wait until the spring to grow the dish from 12' back to 15', but I will be QRV on 1296 for the Nov contest weekend with 600 W at the 12' dish. There is still a lot of optimization to do, but this gets me back on the Moon.

W4OP rebuilt 12' dish with 1296 feed

W5LUA: Al's w5lua@sbcglobal.net Oct contest weekend report -- I had a good outing on 432 over the weekend of 22/23 Oct. I started by working *S9YY on JT65B for a new DXCC.* I then went on to work on CW OH2PO, OK1CA, K2UYH, OZ4MM, DL9KR, SM4IVE, I2FHW, KL6M and G3LTF. Using JT65B, I added DL8DAU, UT5DL, DJ4TC, K9MRI, VE4MA, HB9Q, OH2DG, OK1TEH, YL2OK, PA2V, US7GY, K4EME, DL7APV, ES5PC, EB2FJN, K3MF, KA1GT, K5DOG, W7MEM and VK4EME. My total for the weekend was 30 QSOs, 9 on CW and 21 on JT65B. After the weekend I also worked on 432 OK1DFC and DK3WG. I was also pleased to work KD3UY in Maryland on 2304 EME for State 36 on 13 cm. I plan to stay on 432 for the second weekend of the ARRL contest.

W9IIX: Doug w9iix1@yahoo.com is coming back on 432 EME -- Time has moved on and I've burned up a lot of antennas contesting and chasing DX on the low bands, but I still have the EME bug in me and decided to do whatever I could to get back on the bands despite the problems I will encounter here. I built and installed a 2 antenna array for 144 and 2 antennas for 432 in my tiny backyard. There are major obstructions, which prevent constant aiming at the Moon during its path, but I will learn how to work with what space I have available. On 432 I have 2 x 21 el M2 horiz yagis. Power right now is 300 W and will be higher when I tune up the RF deck. I am using JT65B and starting to sort out everything I need to know. First time on 432 HB9Q worked me in the contest, which was great!

WA2FGK: Herb wa2fgk@yahoo.com sends news on his Oct contest activity -- The winds were tremendous here in the Pocono's of PA on Saturday morning. I came out the the shack at 1 am (LT) and decided it would be too risky to elevate my antennas. Sunday morning at 2 am (LT), I was determined to try again, although the winds had not slowed. At times my 2 m antennas would not move when I tried to elevate them. I had computer trouble but thought my JT program would work. How wrong I was. After several hours of frustration, I went into my other room and fired up 1296. We had changed to a fine tuned septum feed by WD5AGO. The first signal I looked for was the beacon. It was louder than expected. I would say I picked up 3 dB on RX. With my small dish previously, I was better off making contacts on JT. This feed gave me the confidence to do more CW. CW contacts were made with OK1CA, OZ4MM, I1NDP, OK2DL, G3LTF, OK1CS, LZ2US, G4CCH, SP6JLW, WA6PY and OK2DL. On JT65C I added RA3AUB, IK2MMB, OH1LRY, DF2VJ, UA4HTS, PA3CSG, WA3RGQ and DF3RU. We have already had our first snow of the winter. Hopefully the WX will cooperate for the final leg, and I'll be able to operate more hours. My computer that is used on 432 and 144 is being replaced. As long as the WX is better, I'll be playing catch up in Nov on both days.

WA6PY: Paul's pchominski@maxlinear.com Oct EME report – I was QRV in the contest and QSO'd on 432 DL7APV, DL9KR, G3LTF, I2FHW, OH2PO, OK1CA, SM2CEW and SM4IVE – on Sunday Lars was a spectacular beacon. I heard someone sending some dashes; I didn't know who it was and sent QRZ de WA6PY. DL9KR responded right away with a (559) report. On 1296, I worked 9A5AA, DF3RU, DJ8FR, DL3EBJ, G3LTF, G4CCH, HB9Q, I1NDP, I5MPK, IK2MMB, IW2FZR, K2UYH, KL6M, N4PZ, N6OVP, N8CQ, OH2DG, OK1CA, OK1CS, OK2DL, OZ4MM, RA3EC, S53MM, SP6ITF, SP6JLW, VA7MM, VE6BGT, W6YX, WA2FGK and XE1XA. Heard but got aways were IK3COJ, WA9FWD, SV3AAF and ES6RQ. After the first eastern horizon, I had a problem with my EL motor. I discovered that the power supply transformer burned-out. It was an old Volvo wiper motor in service since 1984. Due to this failure, I lost my JA/VK window. I spent few hours in the junk yard and found something similar from Ford. With some modifications, I was able to adopt it to work with the EL drive. With this somewhat temporary fix, I was able to be back on the band for next Moon window. Unfortunately I didn't hear any JA/VK station during last western horizon. I plan to be QRV for the Nov ARRL EME Contest weekend.

K2UYH: My alkatz@tcnj.edu EME activity during Oct was primarily during the ARRL Contest weekend. The contest team again consisted of NE2U, K2BMI, K2TXB and me. We had some terrible noise/QRN show up on 1296 that I had never before experienced. I lost time the first day trying to find a fix, which limited our operating time. Otherwise we had no other problems. We worked in the contest on 22 Oct starting on 432 at 0611 HB9Q (31DB/O) JT65B, 0615 DL6SH (569/559) CW, 0624 OZ4MM (579/569) CW, 0632 OH2PO (589/569) CW, 0639 W5LUA (569/569) CW, 0643 DF3RU (559/579) CW, 0650 I2FHW (569/449) CW, 0657 OK1CA (569/569) CW, 0706 K4EME (569/559) CW, 0719 SM4IVE (589/549) CW, 0730 DL8DAU (16DB/O) JT65B, 0734 UT5DL (16DB/O) JT65B, 0744 PY2BS (10DB/11DB) JT65B, 0752 YL2DG (18DB/O) JT65B, 0812 DD0NM (17DB/O) JT65B for mixed initial #915*, 0818 KN0WS (11DB/O) JT65B, 0832 SM3KPE (19DB/O) JT65B #916*, 0853 OK1TEH (23DB/O) JT65B, 0857 G4HGI (22DB/O) JT65B #917*, 0903 DJ4TC (15DB/O) JT65B, 0907 PI9CM (19DB/O), 0915 LU8ENU (22DB/O) JT65B, 0921 W7MEM (11DB/O) JT65B, 0930 OK2POI

(23DB/O) JT65B, 0936 EB2FJN (16DB/O) JT65B #918*, 0940 K7MAC (20DB/O) JT65B #919*, 0946 UA3PTW (7DB/O) JT65B, 0957 DL7APV (10DB/O) JT65B, 1000 F6APE (22DB/O) JT65B, 1004 K3MF (13DB/O) JT65B, 1012 DL8DAU (23DB/O) JT65B DUP, 1028 OK2PMS (25DB/O0 JT65B #920*, 1045 OK2AO (20DB/O) JT65B #921*, 1105 VE4MA (11DB/O) JT65B, 1122 W4NH (18DB/O) JT65B #922*, 1135 S51ZO (24DB/13DB) JT65B, 1142 DF2VJ (17DB/O) JT65B, 1205 PA2V (10DB/O) JT65B, 1210 OZ9FW (19DB/O) JT65B #923* and 1236 KA1GT (15DB/13DB) JT65B #924*, then switched to 1296 at 1304 WA9FWD (559/559) CW, 1308 W6YX (559/569) CW, 1326 VE3NXK (17DB/O) JT65C for mixed initial #533, 1340 N5BF (559/569) CW, 1408 N4PZ (569/569) CW, 1423 WA3RQG (23DB/O) JT65C and 1439 VA6EME (15DB/O) JT65C, back to 432 at 1514 VK4EME (23DB/12DB) JT65B, 1526 JE1TN (17DB/O) JT65B #924* and 1538 K5DOG (14DB/O) JT65B, back to 1296 at 1631 JA4BLC (559/559) CW, 1636 VK5MC (559/559) CW and 1656 VA7MM (10DB/9DB), and on 23 Oct starting on 1296 at 0727 SP6JLW (579/579) CW, 0732 OK1CS (569/579) CW, 0736 DL3EBJ (569/579) CW, 0742 9A5AA (559/559) CW, 0744 SP6ITF (559/579) CW, 0750 I5IPK (539/579), 0754 OK1CA (579/579) CW, 0758 DL7YC (559/569) CW, 0803 UA4HTS (569/589) CW, 0809 OK2DL (579/579) CW, 0816 OK2ULQ (559/589) CW, 0820 DJ8FR (559/569) CW, 0822 RA4EC (559/579) CW for initial #375, 0825 G4BAO (559/569) CW, 0829 SM3AKW (559/579) CW, 0834 I5JMM (559/559) CW #376, 0850 G4BAO (O/O) CW DUP, 0859 IW2FZR (559/559) CW, 0907 HB9BCD (559/569) CW, 0915 LZ2US (579/579) CW, 0918 SV3AAF (579/579) CW, 0924 WA6PY (569/579) CW, 0930 I5YDI (539/559) CW, 0936 G4YTL (O/O) CW, 0943 G4CCH (559/589) CW, 0950 RA3AUB (559/579) CW, 1002 WA3GFZ (19DB/O) JT65C, 1009 EW1AA (30DB/O) JT65C, 1016 LA4ANA (21DB/O) JT65C #537*, 1020 I7FNW (17DB/12DB) JT65C #538*, 1030 DF2VJ (17DB/12DB) JT65C, 1036 YL2GD (11DB/O) JT65C, 1040 KN0WS (16DB/7DB) JT65C, 1044 OH1LRY (8DB/6DB) JT65C, 1058 DF3RU (16DB/O) JT65C, 1106 IK2MMB (17DB/O) JT65C, 1110 W2LPL (18DB/O) JT65C, 1119 OK1KIR (7DB/5DB) JT65C, 1128 VE4SA (15DB/O) JT65C, 1148 N8CQ (559/559) CW, 1151 G3LTF (589/589) CW, 1217 HB9Q (11DB/6DB) JT65C, 1315 K4EME (11DB/15DB) JT65C, 1609 XE1XA (559/559) CW, 1624 VE6BGT (559/579) CW, 1631 N6OVP (559/559) CW, 1538 RW0LDF (O/O) JT65C and 1653 JA1WQF (9DB/8) JT65C. We ended with a total on 432 of 42x27 and on 1296 of 56x33. Before the contest we worked *on 432 on 14 Oct at 2345 S9YY (22DB/23DB) on JT65B for 913* and DXCC* 127,* on 1296 on 15 Oct at 0038 N4PZ (589/589) CW & (55/55) SSB for Steve's first SSB QSO on 23 cm, and *on 16 Oct with a linear feed at 0228 XT2AFT (24DB/27DB) JT65C for #532* and DXCC* 110* and 0310 RA3EC (9DB/7DB) JT65C. *We tried all evening the following day for XT2AFT on 432 but due to illness Hermann was unable to QRV duringthe NA window.*

NET/REFLECTOR NEWS: **F6KRK** participated in the Oct EME Contest on 1296 with 1.9 m dish and 200 W using CW. Look for him in Nov. **K5GW** reports he is getting excellent results with one of the 10 GHz preamps offered by PA0PLY. **N6OVP** asks that folks wait around and look for him on 1296 during his limited EU window. . He will be QRV during the Nov contest weekend. **KD4FOV** was listening during the Oct EME contest weekend with the 48 m dish at the MIT Haystack Observatory. Will may be listening again in Nov. **VE4MO** is looking for 23 cm QSOs on JT with 4 x 45 el yagis and 100 W. **VE4SA** is QRV on 1296 on CW and possibly JT65C with a 3.7 m dish and 400 W. **VE4MA** was on 432 for the Oct weekend, but will be on 1296 in Nov.

FOR SALE: **N4QH** has dish kits available of various sizes. Contact Lyle at lylen4qh@aol.com. **SM4IVE** has brand new GS35's and GS23's for 100 euro plus shipping. Contact Lars at sm4ive@telia.com.

FINAL: I hope you did not miss the Super Moon. Monday 14 Nov was the closest perigee of the moon since 1948. Next even closer pass will be 2034 – TNX K4PZ for reminder.

See correction to EME 25 Years AGO in F1EHN's report.

Tech – see KW0NS' comments on GPS locking a TS2000X in his report. And K4EME's on using band pass filter to eliminate IM.

I5WBE invites logs (even with only one QSO) for ARI-EME Trophy Autumn 24-25 Sept. See http://www.eme2008.org/ari-eme/contest.html.The results of ARI EME Trophy Contest in 2016 can be found at http://www.eme2008.org/ari-eme/Results%20Trophy%20Autumn%202016A.pdf.

This was another difficult month for getting out the NL due to other obligations. I am pushing to get it out before the contest weekend and have not included all the available and interesting material. It will be included very soon. Please do keep the info coming. I hope to catch many of you off the Moon and will be looking for you during the contest this weekend. 73. Al – K2UYH

BD8SY's 3 m dish now on 23, 13 & 9 cm EME

See HB9Q's report