

## 432 AND ABOVE EME NEWS MARCH 2011 VOL 39 #3

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**CONDITIONS:** The 23 and 70 cm SSB EME Contests worked out very well. There was much more SSB activity on 1296, but that is to be expected and why the event was originally started on this band. I am sure we will see increased SSB EME activity on 432 as this new event grows in future years. It looks like a relative new 23 cm station, OK2DL, will take the title as Chief Fun maker. SM4IVE was a not too distant second. On 432, it appears that UA3PTW is the leader – see the list of high scores below. The C56EME dxpedition was quite successful on 70 cm, especially considering their modest system; so much so that they are improving their 432 station and will try again in April from Bonaire and Curacao – see their reports in this newsletter (NL). Unfortunately the FK/DL2NUD dxpedition did not fare as well. I believe they made some QSOs on 432 and possibly even on 1296. I have been unable to get any details of their results. I do know that they closed down early. A BY8 dxpedition is also scheduled for mid March (15<sup>th</sup>?), but no new information has been received. The EME activity weekend (AW) and DUBUS 3 cm EME contest are coming right up on the weekend of 12/13 March. There are no upcoming 70 cm CW activity time periods (ATPs) until May, because of the 432 DUBUS EME Contest is in April – the March ATP already took place.

**HIGH SSB CONTEST SCORES:** On 1296 OK2DL is in the lead with 1,360 points, followed by SM4IVE with 1,185 points and F2TU with 897 points. On 432 UA3PTW has 200 points, followed by IINDP with 144 points, and NC1I with 72 points.

**BY8/BD5RV:** Michael [michael.bd5rv@gmail.com](mailto:michael.bd5rv@gmail.com) sends more news dxpedition to BY8 on 432 -- In co-operation with Yunnan Astronomical Observatory, we have been given the opportunity to activate an 11 m diameter dish for 432MHz EME. This operation is going to take place in mid-March from Chengjiang (OL14kq). I am currently working closely with the observatory to make this a success. The dxpedition team consists of BA1DU, BA4TA, BA4RN, BH4REQ, BH4RLO and me. We will also try to be active on 144 from this location. After the big dish operation, the team is going to activate Shangri-la (NL97ut) on 144/432 EME with a portable set of equipment (TBD). This will be the first activity on EME from NL97. More detailed schedule will be posted in the near future.

**C56EME:** Rene (PE1L) [renehasper@gmail.com](mailto:renehasper@gmail.com) was QRV from Gambia on 432 as planned and quite successful considering his modest system -- We are very pleased with our results and that we set a new world record on 144 EME. This gave us a real boost! Our Swedish hosts spread the news and as result we were invited to meet His Excellency, the President of the Republic of Gambia. On 70 cm with our 23 el yagi and 50 W, we worked on 20 Feb 7 stations. QSO'd were PI9CAM, UA3PTW, HB9Q, DL7APV, PA3CSG, LZ1DX and NC1I, and seen/heard and called were IINDP, DF3RU, OZ4MM and DL9KR. Unfortunately at the end of our CW sked with DL9KR, our rig switched off. It turned out that our antenna had fallen over. After we got it back up, we had a high VSWR that we could not fix in the dark. We were able to repair the antenna the next day and decided to give 432 a second try. We made a new wooden tripod to hold the little yagi. On 21 Feb we added OK1DFC, OZ4MM, DF3RU and K2UYH for a total of 11 QSOs. All contacts were on JT65B, although we made several attempts on CW. [Rene's group is now planning operation in April from Bonaire and Curacao. See details under PJ4X].

**DL7APV:** Bernd [dl7apy@gmx.de](mailto:dl7apy@gmx.de) is now at 91 TNX to C56EME – I am hoping to complete 100 this year. I passed my log to I5WBE for ARI EME marathon 2010 and was surprised that I could work 50 different countries in 2010. Not 50 new countries, but still 50 in one year on JT65. So hope that will give smaller stations a kick to be more QRV on 432 EME.

**F2TU:** Philippe [f2tu.philippe@orange.fr](mailto:f2tu.philippe@orange.fr) was one of the signals during the 1296 SSB Contest – I made 36 QSOs, on 2-way SSB were W7JM, K2UYH (modulation problem), K5AZU, VK3UM, OK2DL for an initial (#), DL6SH, SP6JLW, I5MPK, HB9BBD, LX1DB, SM4IVE (modulation problem), UA3PTW, RA3AUB, OZ6OL, IK3COJ, HB9MOON, SV3AAF, SP7DCS,

IZ1BPN, DF3RU, DL1YMK, OZ4MM, SB1BTR, PA7JB, ES5PC, F5SE/P (#), IZ2DJP, S59DCD, G4CCH, N4PZ, VE6TA, WA6PY and N2UO, and on SSB/CW were G4RGK, G3LTF and VE3KRP. Heard and CWNR on SSB were DL4DTU (SSB), SD3F (CW), K5GW (SSB), PA3FXB (SSB), JA6CZD (CW) and VA7MM (CW). I ended with a score of (33x2+3)x13 = 897 points. I was also on for the 432 SSB contest but only for about 1 hour. I worked on 2-way SSB UA3PTW, NC1I, OZ4MM, DF3RU and G3LTF for a score of 2x5x5 = 50 points.



**C56EME yagi and locally constructed mount in Gambia**

**F5SE:** Franck [kozton@free.fr](mailto:kozton@free.fr) was another of the BIG SSB signals on 1296 during the SSB Contest -- I could not be active before 1700 on 12 Feb and consequently missed JA and VK, and maybe some "early" European stations who could not be QRV later. Between 0000 and local moonset, I had a limited window. The Moon reached the 8° elevation tree limit only 45 minutes after the contest's beginning, and I thought it not worthwhile to drive to the station late at night. Anyway, on Saturday afternoon I worked, all on SSB except 1, DF3RU (52/55), I5MPK (53/55), OK2DL (57/56), SM4IVE (56/55), F2TU (56/56) for initial #67, G4CCH (56/56), RA3AUB (55/55) #68, SP6JLW (55/55), S59DCD (55/44), OZ6OL (55/54), UA3PTW (54/55), HB9MOON (55/55) #69, SP7DCS (54/54), DL6SH (59/59), SV3AAF (55/44), N4PZ (52/52), K2UYH (54/55), LX1DB (57/57) #70, G3LTF (55/56) CW to SSB, IZ1BPN (55/53), VE6TA (55/55), N2UO (55/56) and OZ4MM (56/55). CWNR were OK3RM (55), K5GW (56), ES5PC (53), WA6PY (53) and VA7MM (539) on CW for a score of (22x2+1)x9 = 405 points. Signals were much more unstable than during the

ARRL contest last year. It was just as if the antenna was moving back and forth from the target. When I started operating, it was mildly raining, but later there was a "cats and dogs" period, which lasted for a few hours. At around 2200, it stopped raining and there was even some moonshine. But all this did not affect the instability of signals. I also noticed that activity from the USA/Canada side was much lower than during the ARRL contest.

**G3LTF:** Peter [g3lftf@btinternet.com](mailto:g3lftf@btinternet.com) was limited to CW during the 23 cm contest, but was on SSB for the 70 cm contest -- I was QRV for a short while in the 1296 EME SSB Contest on 11 Feb. I could not operate on SSB myself due to a TX tube flashover problem, but I was QRV from 1800 to 2300 on CW and worked the following 16 stations SSB to CW. All with Q5 copy. QSO'd were G4CCH, OK2DL, F2TU, OZ6OL, SM4IVE, LX1DB, UA3PTW, RA3AUB for initial #333, SP7DCS, WA6PY, SP6JLW, VE6TA, K2UYH, K5AZU, N2UO and F5SE/P. Heard on SSB were IZ1BPN and on CW G4RGG, 9A5AA, S59DCD, DF3RU and VA7MM. I worked on CW DL6SH. I was running only 300 W at the feed. Conditions seemed good, but there were a disappointingly low number of US stations. I guess this was due to the WX over there. I called "CQ SSB" on CW and got three SSB replies, which was nice! The next day, 12 Feb, I was on 432 and worked the following on two-way SSB QSOs: UA3PTW, OZ4MM, I1NDP, NC1I, F2TU and LX1DB. Heard and CWNR on SSB were J11NNJ and SP6JLW. I also heard on SSB DG1KJG, but never found a time to call. I worked on CW SM2CEW and LZ1DX. Heard on CW were ES5PC, OK2POI, G4FUF and DL5FN. The biggest signal was OZ4MM. Condx were very poor at the start with variable and spread Faraday, but after local sunset they were much improved. On 18 Feb I was QRV on 1296 and worked LA9NEA and on 19 Feb F5SE/P and heard UT2EG. The band seemed very quiet although the loss was at a minimum and echoes were good. The whole EME scene seems to be changing with real activity now only at contest times, very sad.

**I1NDP:** Nando [i1ndp.nando@gmail.com](mailto:i1ndp.nando@gmail.com) sends in his log for the 70 cm SSB contest -- I could be active only for a short time, but found the band to be alive. It was great fun to make the some SSB QSOs. I worked on 13 Feb at 1605 OZ4MM (55/55) JO, 1610 LZ1DX (44/55) KN, 1614 DG1KJG (55/55) JO, 1615 G3LTF (55/55) IO, 1617 SP6JLW (55/55) JO, 1620 J11NNJ (44/55) QM, 1646 ES5PC (55/55) KO CW to SSB, 1707 UA3PTW (44/57) KO, 1710 LX1DB (55/56) JN and 2112 NC1I (57/56) FN. All QSOs were on 2-way SSB except 1. My final score was  $(9 \times 2 + 1) \times 6 = 114$ . I was also on for C56EME and copied them on 20 Feb, but could not get their attention before they lost their antenna, and missed them on 21 Feb.

**IK3COJ:** Aldo [ik3coj@fastwebnet.it](mailto:ik3coj@fastwebnet.it) reports on his first JT activity on 23 cm -- Wow, I found JT65 operation really amazing. After twenty years of EME on 23 cm, I decided to try this new modulation mode and was very impressed. CW is more rewarding because of the operator skill involved, but you must give due consideration to a way JT allows QSOs not otherwise feasible. During the Feb weekend I made 16 JT65C QSOs and 8 of them were with new stations never QSO'd earlier on CW. Two were new countries (LU and GM). I must thank Joe Taylor for having made this new operational tool available to the amateur community. I am available to take skeds on CW and JT65c.

**IK5QLO:** Andrea [ik5qlo@gmail.com](mailto:ik5qlo@gmail.com) sends news on his activity on 23 cm during the SSB contest weekend -- I was only able to be QRV for a few hours during the weekend, but found a lot of nice people around and fair conditions. With my modest station, I was only able to make one SSB to CW contact with OK2DL. He had a super signal. I also heard on SSB LX1DB and some others. My highlight of the weekend was a CW QSO on sked with PA7JB. We are both running 2.5 m dishes (2.4 to 2.5 m). He is the smallest station I have worked thus far. I attribute the success of this QSO to John's very, optimized station. I also QSO'd on CW DL6SH and heard S59DCD. On JT I added QSOs with JA1WQF, ZS5Y for an initial (#) and WAC with JT [congratulations], RD3DA and PA7JB. I also heard PA2DW (2 m dish).

**J11NNJ:** Kouichi [j11nnj@extra.ocn.ne.jp](mailto:j11nnj@extra.ocn.ne.jp) reports on his 70 cm SSB Contest operation -- I did not hear any signal during my NA window except for my own echoes, but during my EU window I worked on 432 2-way SSB at 1249 UA3PTW (33/44) KO, 1335 OZ4MM (55/43) JO and 1624 I1NDP (55/44) JN for a score of  $2 \times 3 \times 3 = 18$ . I also heard SP6JLW, LZ1DX, G3LTF and LX1DB. Although my score was not very big, I found it a very exciting contest.

**K5QE:** Marshall [k5qe@sabinenet.com](mailto:k5qe@sabinenet.com) was active in NA Jan tropo contest on 70 cm EME and wishes more stations worldwide would take part -- I worked on 432 EME during the contest I1NDP, PY1KK, DL7APV, KD9NH, K4EME, W7AMI, NC1I, EB5EOO, VK4EME and JA6AHB. This number is 2 more than I worked in Sept. I do very much appreciate the extra QSOs and multipliers, but I know that there should be many more stations showing up. I am planning to add an array of 4 x 432-15WL M2 yagis all vert pol to help when there is

polarization lockout with my present horz 8 yagi array. [Marshall is concerned by the low turnout of NA stations on 70 cm and offers a possible solution. See Marshall's editorial later in this NL and let's hear your ideas].

**LA9NEA:** Viggo [la9nea@online.no](mailto:la9nea@online.no) reports QSOs on 1296 on CW on 16 Jan with HB9IZ (559/559), JA1WQF (549/559) and IK5QLO (O/O), on 21 Jan PA7JB (539/549), SM3AKW (559/559), 22 Jan LZ1DX (559/559), SM4IVE (569/559), UT2EG (559/559) and G4CCH (569/569), on 23 Jan N4PZ (559/559). The stations QSO'd on 21, 22 and 23 Jan were worked remotely from my home. The stations contacted on 16 Jan were worked at my EME site. The remote system uses an IC 706/DB6NT xverter with microbit remote control, 500 W SSPA and W2DRZ tracking system at the EME site and my 3.7 m dish.

**LZ1DX:** Ned [lz1dx@lz1dx.org](mailto:lz1dx@lz1dx.org) was active in both the new 70 and the older 23 cm SSB contests this year -- On 432 I used 16 x 15 el yagi array with +1 kW TX and 0.25 dB LNA. He worked on 13 Feb at 1450 SM2CEW (579/579) KP -- no point CW only, 1457 G3LTF (569/559) IO -- no points CW only, 1612 OZ4MM (56/54) JO SSB, 1638 OK2DL (55/55) JN SSB, 1837 S59DCD (55/55) JN SSB, 1929 I1NDP (56/44) JN SSB, 1929 NC1I (56/44) FN SSB, 1937 UA3PTW (55/55) KO SSB, 2006 OK2POI (559/529) JN no points CW, 2034 I1JBL (55/54) JN SSB for a score of  $7 \times 2 \times 5 = 75$  points. On 1296 I used a 5 m dish with a 200 W PA. All my contacts were on 2-way SSB. I QSO'd 12 Feb at 1248 SM4IV (57/56) JO, 1253 HB9BBD (58/54) IN, 1301 SP6JLW (57/54) JO, 1638 RA3AUB (53/53) KO, 1837 OK2DL (57/53) JN and 1929 OZ4MM (57/55) JO for a score of  $6 \times 2 \times 3 = 36$  points.



LZ1DX's 16 x 15 el yagi array

**N2UO:** Marc [lu6dw@yahoo.com](mailto:lu6dw@yahoo.com) has sent the following report on the 1296 SSB Contest -- During the contest on 12 Feb, I was joined by W9EQ and WB4OFT. At the start in our western window, we worked on 2xSSB K2UYH, W7JM, VK3UM, VE6TA and VK5MC. We also worked VA7MM 2xCW for no contest points. On the next Moon pass in our eastern window, we worked on 2xSSB OK2DL, LX1DB, SM4IVE, UA3PTW, F2TU, RA3AUB, DL6SH, OZ6OL, SP6JLW, K5AZU, G4CCH, F5SE/P, N4PZ, OZ4MM and DF3RU, and cross-mode CW/SSB, G3LTF and PA7JB. Our total for the contest was 20 SSB QSOs and 2 cross-mode QSOs for a score of  $(20 \times 2 + 2) \times 11 = 462$  points. We had very strong wind that broke the azimuth rotor of the dish, so we could only operate for a short time during our main eastern window while the damaged part was repaired and we waited for the wind calmed down. I think that we missed a few stations during this time period. After the contest we worked AL7RT and VE3KRP on CW.

**N4PZ:** Steve [n4pzb@live.com](mailto:n4pzb@live.com) reports on the SSB contest -- I worked only 7 stations, F2TU, F5SE, OK2DL, SM4IVE, LX1DB, K2UYH and N2UO in the contest. I didn't feel very motivated as I have been an avid CW operator for 55 years and prefer CW.

**NC1I:** Frank [frank@nc1i.com](mailto:frank@nc1i.com) reports on his station's recent activity -- Finally after a 10 month absence we were able to get back on 432 EME. A combination of a very busy schedule and a feedline problem kept the NC1I station off the air. Back in early April the system SWR suddenly measured real high. It was late fall before we got around to troubleshooting and we discovered the N connector at the far end of the LDF7 feedline had failed and needed to be replaced. After replacing the connector we then discovered the amp would not tune properly. I

took the amp down to K1FO for repair and upgrades and picked it back up in early Jan. I had planned on getting on for the Jan AW, but family obligations kept me away from the radio. Bob (W1QA) came over on 22 Jan and activated the station on WSJT. Conditions were great with our own echoes averaging +3 dB with one peak at +5.9! I did not think those numbers were even possible (perhaps they are not accurate?). About 10 days earlier I was able to copy my own echoes with less than 3 W at the feed. The following stations were worked on JT65B on 22 Jan at 0240 PY1KK (16DB/7DB), 0258 TI2AEB (14DB/EJ79) and 0313 N9HF (21DB/18DB). During the ARRL VHF contest on 23 Jan the following stations were added (all WSJT except KL6M) at 0346 VA3GMT (FN32/FN03), 0352 AA9MY (FN32/EM50), 0417 DL7APV (FN32/JO62), 0423 I1NDP (FN32/JN45), 0431 NR5M (FN32/EM10), 0437 DL8GP (FN32/JN39), 0445 UA4API (FN32/LO20), 0523 KD9NH (FN32/EN44), 0540 K4EME (FN32/FM08), 0545 W7AMI (FN32/DN13), 0613 WA3QPX (FN32/FM29), 0638 K6MYC (FN32/DM07), 0643 DJ5BV (FN32/JO30), 0646 K7XQ FN32/CM97, 0645 called by YL2HA (23DB) but disappeared - near his moonset, 0710 K5QE (FN32/EM31), 1158 VK4EME (FN32/QG63) and 1207 KL6M (FN32/BP51) on CW. We were pleasantly surprised by the amount of activity for a non AW. On Friday 11 Feb I called CQ on CW from 2100-2400 and then on 12 Feb from 0000-0200 without ever hearing another signal. My echoes were huge throughout that time. I tried every possible transmit and receive polarity. I understand that there is very little 432 CW activity left in NA, but this seemed to be prime time in EU (reasonable hours on Friday night). I was shocked not to hear or work anyone in 5 hours. On Saturday 12 Feb I called CQ on CW from 1700-1845 with the same (nil) results. This was obviously very discouraging. Of course I can understand with the lack of NA activity these days few EU stations will be on looking for stations during these hours. W1QA arrived at 2000 on 12 Feb and switched to WSJT and immediately started working stations. The following QSO's were logged on 12 Feb at 2029 PY1KK (12DB/8DB), 2047 I1NDP (3DB/7DB), 2105 OE5MPL (12DB/JN78), 2121 G4EZF (18DB/JO01), 2127 G4FUF 22DB/9DB) - Keith reported running just 20 W using only his transverter, 2132 K7XQ (11DB/9DB), 2148 DL5FN (12DB/6DB), 2155 RK9AT (24DB/LO93), 2208 S51ZO (20DB/JN86), 2221 EA3XU (20DB/12DB). In the 70 cm SSB Contest on 13 Feb we logged at 0004 UA3PTW (54/57) KO, 0010 DG1KJG (54/55) JO, 0013 OZ4MM (57/57) JO, 0015 DF3RU (55/55) JN, 0020 F2TU (53/55) JN, 0029 SP6JLW (56/55) JO, called CQ from 0030-0300 with no additional contacts, 1936 LZ1DX (44/55) KN, 2055 G3LTF (55/55) IO and 2110 I1NDP (56/57) JN for a total of 9x2x4 = 72 points. No NA stations were worked although N4GJV was heard on CW. On 19 Feb we added at 0236 WA4NJP (8DB/5DB), and at 0306 KI7JA (17DB/20DB), and on 20 Feb at 0204 C56EME (22DB/22DB), 0227 LZ1DX (13DB/7DB), 0300 DL9KR heard 599 on CW, 0330 S51ZO (18DB/8DB), 0350 K5QE (13DB/14DB), 0404 OK1KIR (7DB/4DB), 0542 W7MEM (17DB/24DB) and 0606 DJ5BV (14DB/17DB). W1QA is the operator for all NCII WSJT activity. Based on the results of the last two months, future NCII activities will be concentrated on WSJT. I just can't justify 7 hours of CQ's (during what should be prime activity times) and never even hearing another station on CW. Once we switched over to WSJT, we worked 10 stations in 2 hours. Even though the array needs some occasional maintenance to keep it working it continues to perform extremely well after 17 years of use! The mechanical polarity rotation is extremely slow, but I can't imagine operating without it. We recently posted antenna and station pictures and links on QRZ.com. Eventually we will add some text (detailed descriptions of equipment).

**OK1KIR:** Tonda (OK1DAI) [vladimir.masek\(x\)volny.cz](mailto:vladimir.masek(x)volny.cz) reports on his clubs winter EME activity - We had a nice Christmas present QSO on 1296 on 24 Dec at (Christmas Eve) at 2112 DU/DL3OCH (22DB/O) JT for digital initial {#87}, new DXCC and PJ field. We had no success on 9 Feb with FK/DL2NUD. We copied UA3PTW (17DB), OK2DL (10DB) and from 0830 to 0900 UT FK/DL2NUD (26DB). Later we copied after 0931 OK2DL (7DB) and FK/DL2NUD (27DB). Hermann was all the time -20° from horz pol, but no replies were received. On 432 on JT65B we worked on 19 Feb at 2217 LZ1DX (15DB/O) and 2232 DF3RL (22DB/21DB), on 20 Feb at 0105 partial DL8YHR (23DB/lost), 0212 S51ZO (22DB/21DB) for digital initial {#50}, 0333 WA4NJP (18DB/10DB), 0339 K5QE (22DB/23DB), 0406 NC1I (4DB/7DB) {#51}, 0436 G4RGK (20DB/18DB) and 0502 TI2AEB (20DB/20DB) {#52} and new DXCC. We also decoded DL7APV (7DB), EA3XU (20DB), JA6AHB (14DB), OZ4MM (12DB), PI9CAM (6DB) and UA3PTW (5DB). Nothing was decoded from C56EME - very weak signal and obvious severe degradation of RX sensitivity (G/CS only 1-2 dB) due to high noise on 70 cm band. On CW we QSO'd on 19 Feb at 2310 LZ1DX (559/559) for initial #374 and a new DXCC on CW. Unfortunately a curtain of birdies has eliminated the first 20 kHz of the 70 cm band.

**OK1TEH:** Metej [ok1teh\(x\)seznam.cz](mailto:ok1teh(x)seznam.cz) sends news of his Dec/Jan activity -- I worked on 70 cm new initials on JT with EB5EEO (29DB), SV3AAF (24DB), VK4CDI (27DB) to bring me to mixed initial #62\*. The QSOs with SV3AAF

and VK4CDI were not easy and it took to us many skeds. I had problems with Petros due to his signal drift and with Phil I had problems with strong city noise at the low elevation required for his long path. We finally completed in early morning when TV plasmas were turned off - TNX guys for your patience! I also heard/saw VA3GMT (25DB) and K6MYC (28dB), so with my new LNA, I should be able to work more stations for sure. I also had a CW sked with JJ1NNJ, and heard him in "T" copy, but suffer from a huge number of birdies below 432.020.

**OK2DL:** Marek [ok2dl\(x\)seznam.cz](mailto:ok2dl(x)seznam.cz) in JN79wl was QRV for the SSB contest on 1296 with a 6 m dish and 900 W at the feed. He QSO'd on 12 Feb at 1014 VK3UM (53/ 55) QF, 1017 UA3PTW (53/54) KO , 1043 SP6JLW (57/57) JO, 1101 JA1WQF (53/53) QM, 1110 DL6SH (53/57) JN, 1131 F2TU (56/56) JN, 1133 HB9BBD (57/57) JN, 1156 I5MPK (57/59) JN, 1204 SM4IVE (57/ 56) JO, 1212 RA3AUB (57/57) KO, 1230 DF3RU (57/57) JN, 1233 LX1DB (58/58) JN, 1240 SP7DCS (55/55) JO, 1246 VK2JDS (55/ 55) QF CW/SSB, 1249 OZ4MM (57/57) JO, 1257 HB9MOON (57/57) JN, 1310 SV3AAF (55/55) KM, 1317 IW2FZR (54/55) JN, 1340 IZ1BPN (55/55) JN, 1346 OZ6OL (55/56) JO, 1353 S59DCD (55/57) JN, 1356 G4CCH (58/58) IO, 1401 DL1YMK (55/55) JO, 1411 LZ1DX (53/57) KN, 1446 G4RGK (44/ 55) IO CW/SSB, 1516 DL4DTU (55/55) JN, 1540 SD3F (55/ 57) JP CW/SSB, 1546 IZ2DJP (55/57) JN, 1603:00 SV1DNU (559//55) KM CW/SSB, 1627 IK5QLO (559/ 55) JN, 1650 PA7JB (52/55) JO, 1732 DL/OK3RM (55/57) JN, 1746 ESSPC (559/56) KO, 1749 F5SE/P (56/57) JN, 1756 9A5AA (549/55) JN CW/SSB, 1758 IK3COJ (55/55) JN, 1900 G3LTF (579/56) IO CW/SSB, 2037 DH2SAV (53/56) JN, 2044 K5GW (57/58) EM, 2049 K2UYH (57/56) FN, 2057 PA3FXB (549/55) JO CW/SSB, 2124 W7JM (56/52) DM, 2126 VE6TA (57/57) DO, 2133 WA6PY (55/55) DM, 2141 N2UO (56/56) FM, 2203 N4PZ (56/56) EN, 2259 K5AZU (559/55) EM CW/SSB) and 2301 VA7MM (559/57) CN for at score of (37x2+11)x16 = 1360 points.

**OZ4MM:** Stig [vestergaard\(x\)jos.dk](mailto:vestergaard(x)jos.dk) sends his SSB contest results - I worked on 432 NCII FN, DG1KJG JO, SP6JLW JO, UA3PTW KO, DF3RU JN, F2TU JN, JJ1NNJ QM, I1NDP JN, G3LTF IO, LZ1DX KN, ES5PC KO and OK2POI JN. All QSOs were made on SSB. My score was 12x2x7 = 168 points. On 1296, I worked VK3UM QF, SM4IVE JO, RA3AUB KO, OK2DL JN, HB9MOON JN, IZ1BPN JN, I5MPK JN, SP6JLW JO, LX1DB JN, SP7DCS JO, UA3PTW KO, F2TU JN, S59DCD JN, DL1YMK JO, IW2FZR JN, LZ1DX KN, N2UO FM, F5SE JN, G4CCH IO, K2UYH FN, VE6TA DO, DL6SH JN, DF3RU JN and VA7MM CN. All QSOs were again made on SSB. My score was 24x2x10 = 480 points. I did not put in lat of time, but was on now and then for fun.

**OZ6OL:** Hans [oz6ol\(x\)mail.dk](mailto:oz6ol(x)mail.dk) worked 20 stations on SSB in the contest on 1296 - I QSO'd VK3UM, SM4IVE, HB9BBD, SP6JLW, F2TU, HB9MOON, OK2DL, RA3AUB, I5MPK, G4CCH, LX1DB, DF3RU, UA3PTW, F5SE/P, G3LTF on SSB/CW, SV3AAF, K2UYH, DL6SH, IZ1BPN and N2UO. I used my 5 m dish with 350W at the feed. Where were all the US stations, I used to work?

**PA3DZL:** Jac's [PA3DZL\(x\)planet.nl](mailto:PA3DZL(x)planet.nl) EME report Jan and Feb follows - I worked on 23 cm on 10 Jan using JT56C UY2QQ (28DB/O) for mixed initial #123\* and grid 173 and W7IUU (26DB/O) #124\* and grid 174, and on 22 Jan RA3AUB (12DB/11DB) #125\* and grid 175 and OK1YK (24DB/O) #126\*. On 70 cm using JT65b, I QSO'd on 2 Jan PY1KK (23DB/16DB), on 18 Jan OK2POI (22DB/O), on 19 Jan DF3RL (23DB/O), on 13 Feb LZ1OA (24DB/O) for mixed initial #178\*, grid 286 and DXCC 59, G4FUF (25DB/O) # 179\* and JE1TNL (26DB/O) #180\* and grid 287, ES5PC (15DB/O), on 15 Feb DL8GP (25DB/O) #181\*, on 16 Feb YO6OBK (22DB/O) #182\* and grid 288, I1NDP (12DB/O), OK2POI (25DB/O) and YL2OK (28DB/O) #183\* and grid 289, on 17 Feb VK4CDI (28DB/O) #184\* and grid 290, RW3WR (27DB/O) #185\* and grid 291 and UA4LCF (28DB/O) #186\* and grid 292, and on 19 Feb EA3XU (24DB/O), OK1TEH (24DB/O) and LZ1DX (12DB/O) #187\*.

**PA7JB:** John (e-mail unknown) has been active on 1296 with 2.4 m offset dish and 150 W at the feed - I worked on CW, on 21 Jan SM3AKW for initial #72, and on 22 Jan LA8NEA LZ1DX #73, UT2EG, RA3AUB, N2UO, SM4IVE and WA6PY #74.

**PJ4X & PJ2/PEIL:** Rene's group (PEIL) [renehasper\(x\)gmail.com](mailto:renehasper(x)gmail.com) is now planning EME operation in April from Bonaire (PJ4 in FK52ud) between 7 and 11 April and Curacao (PJ2/PEIL in FK52nc) from 14 to 18 April. The focus will again be on 144 EME, but they will also try 432 EME again with a little more power (100 W vs. 30 W) and a preamp. 70 cm operation from Bonaire will be on 10 April from 1600 to 2330, and Curacao on 16 April at 2200 to 17 April at 0300. Operation is will be similar to last time on 432.090 with JT6B, TX in first period, and RX around their echo frequency. They will look for CW as well.

**PY1KK:** Bruce [bruce\(x\)zirok.com](mailto:bruce(x)zirok.com) sends news on the conclusion of his summer 70 cm activity from his beach QTH -- On the last days of Jan and on the weekend of 12/13 Feb, I added more 432 QSOs with K5QE initial(#), K4EME (#), W7MEM (#), NR5M (#), VK4CDI (#), DF3RU, NC1I, G4EZP (#), W7MEM, DG1KJG (#) on CW and DJ5BV (#) to bring me to mixed initial #53\*. All contacts were on JT65B unless noted. This was the last good declination active weekend for this summer. Unfortunately, we had to depart Sunday for Sao Paulo before moonrise, and so no SSB contest activity. Over the summer, I made 25 QSOs and 15 initials. In the beginning of March, I plan to exchange feeds and begin testing my 4 m dish on 9 cm, which is a new band for me. I expect to return to 70 cm on some weekends starting in Aug or Sept and hopefully will be back to kW.

**RA3AUB:** Mikhail [ra3aub\(x\)mail.ru](mailto:ra3aub(x)mail.ru) is a relatively new station on 23 cm and sends his results for his first the EME SSB contest -- My station consists of 6 m dish power by a 1 kW PA driving 40 m of 7/8" cable and a G4DDK LNA. QSO'd on 12 Feb were at 1151 SM4IVE (57/57) JO, 1208 DL6SH (55/56) JN, 1213 OK2DL (57/57) JN, 1218 SP6JLW (56/56) JO, 1226 OZ4MM (56/57) JO, 1229 UA3PTW (55/57) KO, 1243 F2TU (55/55) JN, 1246 HB9BBD (58/59) JN, 1250 HB9MOON (55/55) JN, 1255 DF3RU (55/56) JN, 1306 VK3UM (55/55) QF, 1327 SP7DCS (53/53) JO, 1329 LX1DB (56/56) JN, 1340 S59DCD (55/56) JN, 1347 I5MPK (57/56) JN, 1352 G4CCH (57/56) IO, 1356 OZ6OL (56/55) JO, 1612 IW2FZR (53/55) JN, 1703 IZ2DJP (53/55) JN, 1738 SV3AAF (55/44) KM, 1815 F5SE/P (55/55) JN, 2137 W7JM (54/55) DM, 2144 G3LTF (569/56) IO CW/SSB, 2147 VE6TA (55/55) DO, 2210 K2UYH (43/55) FN, 2214 N2UO (56/56) FM, and 2234 WA6PY (33/44) DM for a total of  $(26x2+1)x10 = 530$  points.



**RA3AUB's 6 m dish in the snow**

**SM4IVE:** Lars' [sm4ive\(x\)telia.com](mailto:sm4ive(x)telia.com) log for the 1296 SSB fun contest follows -- I QSO'd on 12 Feb at 1145 VK3UM QF (56/56), 1153 RA3AUB KO (57/57), 1158 I5MPK JN (56/58), 1204 OK2DL JN (56/57), 1206 SP6JLW JO (58/58), 1209 UA3PTW KO (55/57), 1212 HB9BBD JN (58/58), 1214 HB9MOON JN (55/55), 1217 LX1DB JN (58/58), 1221 OZ4MM JO (56/57), 1226 F2TU JN (56/56), 1237 OZ6OL JO (55/50), 1248 LZ1DX KN (52/57), 1251 DF3RU JN (55/58), 1337 SP7DCS JO (53/55), 1347 SV3AAF KM (53/55), 1405 IW2FZR JN (52/55), 1441 IZ1BPN JN (55/57), 1443 DL1YMK JO (52/56), 1446 G4CCH IO (56/58), 1450 S59DCD JN (54/53), 1650 DL6SH JN (54/57), 1745 IZ2DJP JN (52/55), 1752 ES5PC KO (53/56), 1756 F5SE/P JN (55/56), 1841 G3LTF IO (569/57) CW/SSB, 1844 G4RGK IO (42/55), 2002 9A5AA JN (539/55) CW/SSB, 2018 W7JM DM (55/55), 2022 K2UYH FN (54/55), 2030 K5GW EM (56/57), 2047 N4PZ EN (52/52), 2111 VE6TA DO (53/55), 2149 N2UO FM (56/56), 2211 WA6PY DM (52/55), 2233 PA7JB JO (529/54) CW/SSB, 2311 VA7MM CN (539/45) CW/SSB, 2315 K5AZU EM (53/59) and 2346 AL7RT BP (52/44) for a score of  $(35x2+4)x15 = 1,185$  points. I was not much QRV during my east window due to family commitments. I heard VK4CDI on CW, IK3COJ on SSB and a WD4OFT(?), but did not get a chance to catch them. Activity seemed poor from NA. I was not happy with the audio from my Kenwood TS2000X on SSB. It does not have much "talkpower". I was using a Heil Proset Plus and did not test with the original mic. I was not on for the 432 SSB Contest due to problems with my PA.

**SP6JLW:** Andy [sp6jlw\(x\)wp.pl](mailto:sp6jlw(x)wp.pl) and Jerzy (SP6OPN) operated the EME SSB contests on both 23 and 70 cm. On 1296 they used a 6.5 m dish, a 1 kW SSPA using 16 x BLV958s and a VLNA by SP9WY. They worked on 23 cm on 12 Feb at 1042 OK2DL (57/57) JN, 1049 UA3PTW (54/57) KO, 1054 VK3UM (54/55) QF, 1116 DL6SH (55/57) JN, 1138 F2TU (55/55) JN, 1143 I5MPK (54/56) JN, 1206 SM4IVE (58/58) JO, 1216 RA4AUB (56/56) KO, 1217 HB9BBD (58/58) JN, 1220 HB9MOON (58/55) JN, 1233 DF3RU (56/56) JN, 1243 LX1DB (59/58) JN, 1245 OZ6OL (55/56) JO, 1304 LZ1DX (53/57) KN, 1316 SV3AAF (55/54) KM, 1404 G4CCH (58/58) IO, 1410 DL1YMK (53/55) JO, 1430 S59DCD (55/43) JN, 1434 IZ1BPN (57/57) JN, 1457 SP7DCS (54/55)

JO, 1509 OZ4MM (58/57) JO, 1530 SD3F (559/55) JP, 1539 DL4DTU (53/55) JO, 1819 F5SE/P (55/55) JN, 1823 ES5PC (53/56) KO, 1830 G4RGK (559/54) IO CW/SSB, 1846 IZ2DJP (43/55) JN, 2054 K2UYH (55/58) FN, 2215 G3LTF (569/56) IO CW/SSB, 2229 N2UO (54/55) FM and 2323 VE6TA (54/55) DO for a total of  $(28 x 2 + 3) x 11 = 649$ . The next day they operated on 432 using an array of 8 x 32 el yagis, 2xGS35B PA and an ATF54143 LNA. They QSO'd on 13 Feb at 0014 UA3PTW (56/56) KO, 0020 OZ4MM (56/56) JO, 0028 NC1I (55/56) FN, 0039 DF3RU (54/55) JN, and 1630 I1NDP (55/55) JN. All QSOs were on 2-way SSB and they had a total  $5x2x4 = 40$  points.

**SP7DCS:** Chris [sp7dcs\(x\)wp.pl](mailto:sp7dcs(x)wp.pl) operated the EME SSB contest on 1296 using 3 m dish -- I contacted on 12 Feb at 1240 OK2DL (55/55) JN, 1325 RA3AUB (53/53) KO, 1335 SM4IVE (55/56) JO, 1338 F2TU (55/54) JN, 1440 LX1DB (57/56) JN, 1447 DL6SH (559/44) JN CW/SSB, 1454 SP6JLW (55/54) JO, 1512 OZ4MM (56/44) JO, 1740 I5MPK (55/54) JN, 1750 DF3RU (55/54) JN, 1803 G4CCH (55/54) IO, 1857 F5SE/p (54/54) JN, 2010 UA3PTW (53/53) KO and 2145 G3LTF (569/55) IO CW/SSB for a total score of  $(12x2+2)x4 = 104$  points. TNX to all for the great fun. With a 3 m dish, one can make QSOs on SSB EME!

**SV3AAF:** Petros [sv3aaf\(x\)yahoo.com](mailto:sv3aaf(x)yahoo.com) operated the SSB EME contest on 1296, here is his report -- I was not QRV for long due to my bad throat, but during the time that I was on I found participation good. I worked on 12 Feb at 1310 OK2DL (55/55) JN, 1313 LX1DB (56/56) JN, 1318 SP6JLW (54/55) JO, 1326 VK3UM (54/55) QF, 1330 F2TU (55/54) JN, 1341 DF3RU (559/54) JN CW/SSB, 1347 SM4IVE (55/53) JO, 1358 HB9MOON (55/55) JN, 1720 I5MPK (54/55) JN, 1739 RA3AUB (44/55) KO, 1759 G4CCH (56/56) IO, 2007 F5SE/P (44/55) JN, 2023 OZ6OL (43/54) JO, 2033 DF3RU (559/54) JN CW/SSB DUP and 2049 K5GW (55/55) EM for a score of  $(13x2+1)x6 = 162$  points.

**T12EAB:** Armando [aebonill\(x\)jice.co.cr](mailto:aebonill(x)jice.co.cr) continues to improve his system and add initials on 432 maily using JT -- At last I QSO'd JA6AHB. TNX Toshio for keeping trying. Now I need a VK and Africa to make WAC on 70 cm. I have started work on 1296 EME and begun working on a dish.

**UA3PTW:** Dmitrij [ua3ptw\(x\)inbox.ru](mailto:ua3ptw(x)inbox.ru) has sent info on his activity during the SSB contest weekend. He operated both 23 and 70 cm. On 1296 he used 4.5 m dish with a 0.32 f/d, a PA with 450 W to 36 m of 7/8" hard line and a G4DDK LNA. He QSO'd on 12 Feb at 1018 OK2DL (54/53) JN, 1036 VK3UM (55/53) QF, 1049 SP6JLW (57/54) JO, 1140 DL6SH (55/55) JN, 1209 SM4IVE (57/55) JO, 1223 HB9BBD (57/56) JN, 1229 RA3AUB (57/55) KO, 1236 F2TU (55/54) JN, 1255 I5MPK (53/53) JN, 1315 DF3RU (55/55) JN, 1417 G4CCH (57/55) IO, 1425 LX1DB (57/57) JN, 1517 OZ4MM (57/54) JO, 1840 F5SE/P (55/54) JN, 2015 SP7DCS (53/52) JO, 2116 G3LTF (579/56) IO CW/SSB, 2153 IZ1BPN (55/53) JN, 2200 N2UO (55/52) FM, 2231 K2UYH (55/55) FN and 2333 VE6TA (55/44) DO for a total of  $(19x2+1)x8 = 312$  points. On 70 cm he used a 32 x 15 el BV yagis with a 1.5 kW PA and an NE325 cavity LNA. Dmitrij QSO'd on 13 Feb at 0004 NC1I (57/54) FN, 0011 F2TU (44/54) JN, 0016 SP6JLW (56/56) JO, 0021 DF3RU (55/55) JN, 0023 OZ4MM (57/57) JO, 0030 DG1KJG (55/55) JO, 1253 JJ1NNJ (44/33) QM, 1427 G3LTF (569/54) IO CW/SSB DUP, 1438 SM2CEW (579/56) KP CW/SSB, 1706 I1NDP (57/55) JN, 1717 G3LTF (55/54) IO, 1840 LZ1DX (55/55) KN, 1939 LZ1DX (55/55) KN DUP, 1947 OK2POI (549/0) JN CW/SSB, 2115 N4GJV (559/24) EM CW/SSB), 2136 ES5PC (55/55) KO and 2220 LX1DB (56/56) JN for a score of  $(11x2+3)x8 = 200$  points.



**UA3PTWs 432 32 x 15 el BV yagi array**

**VA7MM:** Mark (VE7CMK) [va7mm\(x\)telus.net](http://va7mm(x)telus.net) reports on his SSB Contest operation with Toby (VE7CNF) -- We participated in the 23 cm SSB contest and logged 6 QSOs (one on SSB and 5 cross mode) as follows: VK3UM (54/54) QF CW/SSB, VE6TA (32/44) DO CW/SSB, OK2DL (57/55) JN CW/SSB, SM4IVE (45/53) JO CW/SSB, K2UYH (44/55) FN CW/SSB and OZ4MM (57/43) JO SSB/SSB. OZ4MM had a very clear SSB signal and this was our sixth 2 way SSB-SSB contact made since starting 23 cm EME operation in 2003. In addition, we made JT65C contacts with JA1WQF, VK2JDS, UA3PTW, PA7JB, LU8ENU, G5WQ and CW contacts with N2UO and VE6TA. Four of the JT contacts were initials bringing VA7MM's initial totals to #110 on CW/SSB, #134\* on mixed mode and {#40} on digital. We used our 3 m dish with 0.33 dB NF GAsFET preamp and TX power of about 200 W at the feed. More details on our station are at <http://www3.telus.net/public/va7mm/eme/>. We intend to be active next in the DUBUS Worldwide EME Contest (23 cm) in 4/5 June. We are also available at other times for schedules.

**VK3UM:** Doug [tikaluna\(x\)bigpond.com](http://tikaluna(x)bigpond.com) reports on his experiences during the SSB Fun Event on 12 Feb – I operated on 1296 and worked at 0434 N2UO (54/54) FM06, 0442 W7JM (53/55) DM42, 0446 VE6TA (54/55) DO33, 0450 K2UYH (54/54) FN20, 0456 VA7MM (54N/54) CN89 CW/SSB, 0507 VK5MC (55/54) QF02, 0523 VK2JDS (53N/52) QF46 CW/SSB, 1012 OK2DL (55/53) JN, 1034 UA3PTW (53/55) KO39, 1047 VK4CDI (32/52) QG52, 1054 SP6JLW (55/55) JO, 1126 F2TU (55/55) JN38, 1138 HB9BBD (57/57) JN47, 1144 SM4IVE (56/56) JO79, 1202 I5MPK (56/57) JN53, 1216 OZ4MM (56/55) JO55, 1229 LX1DB (57/57) JN39, 1232 OZ6OL (55/55) JO65, 1240 DL6SH (45/55) JN48, 1241 HB9MOON (56/57) JN47, 1305 RA3AUB (55/55) KO85 and 1322 SV3AAF (54/54) KM17 for a score of  $(20x2+2)x11 = 462$  points. [Doug did not send a report for 70 cm].

**VK4CKI:** Phil [vk4cdi\(x\)gmail.com](http://vk4cdi(x)gmail.com) send a rundown on his recent activity – On 432, I added on JT initials with ZS6WAB, PY1KK, OK1TEH, G4YTL, PA3DZL, DF3RL and G4FUF. I also QSO'd VK4EME. Willem and Bruce gave me WAC on 70. [Congratulations!] I have extended my yagis from 22 to 28 el, which should give me another 1 dB of gain. On 1296, I added JT initials with SV1DNU, RA3AUB, OH2DG, IK3COJ and OH3MCK, and on CW/SSB HB9BBD, VK3UM (SSB), VK2JDS, JA1WQF, 4Z5LV, YO8BCF, K2UYH and ZS5Y. In the 1296 SSB Contest I QSO'd only VK3UM (52/32) QF and HB9BBD (55/56) JN CW/SSB for a total of 6 points. Heard on SSB were OK2DL (got a QRZ), JA6??, UA3PTW, RA3AUB and N2UO.

**WA6PY:** Paul [pchomins\(x\)san.rr.com](http://pchomins(x)san.rr.com) sends his report for the 1296 SSB contest – I used my 3.6 m dish, with 0.36 f/d, IMU feed, with 1 kW from TH327 PA and cavity input two stage ATF35076 LNA. I QSO'd on 12 Feb at 2131 OK2DL (55/55) JN, 2140 K2UYH (44/44) FN, 2147 LX1DB (56/56) JN, 2230 F2TU (54/54) JN, 2206 G3LTF (55/54) IO SSB/CW, 2210 SM4IVE (55/44) JO and 2228 RA3AUB (44/44) KO for a score of  $(6x2+1)x5 = 65$ .

**WD5AGO:** Tommy [wd5ago\(x\)hotmail.com](http://wd5ago(x)hotmail.com) writes – I heard during the SSB contest weekend on SSB LX1DB, OK2DL plus two others but just could not get their calls. On CW I copied SM4IVE. There did not seem to be much activity. We had to dig a path in the snow to set up the horn. The antenna is a 30" square CP horn (~0.8 m). I plan to try some skeds when I have some power next month.

**ZS5Y:** Derek [derek\(x\)fotogravett.com](http://derek(x)fotogravett.com) writes about his recent EME efforts -- After being on the road for a month, I made it home in time to work some stations on EME. On 70 cm I added initials using JT with PA3DZL, UT6UG, K7XQ and PY1KK. On 23 cm I made some new and some repeats contacts. I worked on on SSB, CW and JT PI9CAM, CW and JT G4CCH, and on JT G4RGK, IK3COJ, JA6AHB, JA1WQF, DL6SH, HB9Q, LU8ENU, OH2DG, OZ6OL, PA0BAT, PA3FXB, PA7JB, RD3DA, YO8BCF, PY2BS, VK4CDI, IK5QLO RA3AUB and VE7BBG. I am in the process of putting up ZS6AXT's 5 m dish after taking it down and moving it 650 km. In the meantime I am still QRV with my 3.5 m dish. I will be QRV on 13 cm as well soon with 100 W. Skeds are welcome. Requests can be sent to [derek\(x\)fotogravett.com](http://derek(x)fotogravett.com).

**K2UYH:** I [a.katz\(x\)ieee.org](http://a.katz(x)ieee.org) tried twice with FK/DL2NUD. These were the two dates they were supposed to be on 432 with nil results. The second time, 9 Feb, I had a conflict with QRL and arranged for K1JT to operate my station – TNX Joe. The weekend of the SSB Contest turned out to busy with family events, but I arranged my schedule to allow operation for most of the 23 cm contest. On 12 Feb, I QSO'd on 0041 F2TU (55/54) JN, 0051 W7JM (55/55) DM, 0056 K5AZU (55/55) EM, 0321 N2UO (55/55) FM, 0440 VK3UM (44/54) QF, 2021 SM4IVE (55/54) JO, 2048 OK2DL (56/57) JN, 2054 SP6JLW (55/56) JO, 2101 F5SE/P (55/54) JN, 2114 LX1DB (57/57) JN, 2123 OZ6OL (55/55) JO, 2126 VE6TA (55/55) DO, 2134 G4CCH (56/66) IO, 2136 WA6PY (55/44) DO, 2152 RA3AUB (55/53) KO CW/SSB, 2227 UA3PTW (55/55) KO, 2233 G3LTF (55/55) IO CW/SSB, 2242 N4PZ (55/55) EN, 2253 DL6SH (55/55) JN, 2312

DF3RU (55/55) JN, 2318 VA7MM (55/54) CN CW/SSB and 2348 OZ4MM (55/56) JO for a score of  $(20x2+2)x11 = 462$  points. I was running my microphone through my computer. Apparently this distorted my audio, but I did not realize that I had a problem until after the contest - sorry. I also tried to get be on for the 432 SSB Contest, but never heard anyone on SSB for the short time that I was QRV near the end of the contest. On 20 Feb, I was on 432 for C56EME, but heard nil as my widow started after their antenna problems. I did QSO at 0536 DJ5BV (14DB/23DB) after more than 10 years, 0607 WA4NJP (6DB/8DB) and 0630 W7MEM (16DB/O) all on JT65B. The next day I got lucky and worked at 0530 C56EME (26DB/25DB) mixed initial #811\* and DXCC 103. I have been very busy with QRL, but hope if our WX is good to be on for the 3 cm EME contest.

**EDITORIAL:** K5QE is concerned by the low amount of NA activity on 70 cm EME. Marshall offers (provided there is interest) to sponsor a 432 States Worked Contest to help build up NA 432 EME activity -- I have done 432 EME with a tropo antenna (an array of 3 x 38 el yagis). I worked a couple of stations, one on JT and one on CW. Probably, both were large stations, but at least I did work them. For the beginner, working a few large stations is the pathway to "getting their feet wet". What do you think is a reasonable "starting out" station for a "new to 432 EME" guy to aim for?? [4 yagis and > 100 W was adequate back when there was only CW. WB0GGM was quite successful with this set up]. It does not seem to take much either in real-estate or power. How do we convince others to go ahead with the project? I would like to see a lot more emphasis on 432 WAS. By emphasizing WAS, we concentrate on US stations, hopefully in every state. We could start a 432 WAS Challenge to try to boost interest. I am willing to work on making this idea a reality, including making up certificates, plaques, etc. We could run a "States on 432 EME" contest for each year that would start over each year. If there were some nice prize, that might encourage activity. What do you guys think? Please send me your ideas - now is the time!

**NETNEWS:** **IZ1BPN** with IK1MTZ were active on 1296 in the SSB Contest – no log received yet. **PA3CSG** reports that he QSO'd C56EME on 20 Feb. He says the signals were very spread out and that he received them V (28DB) and TX'd H. **SM2CEW** reports he copied nil from C56EME on 70 cm on the 20 Feb. **ZS6AXT** reports his progress on 3 cm EME has slowed down because of problems with his arm and hand due to carpal tunnel. **LX1DB** reports working 38 stations on SSB during the 1296 SSB contest.

**TECHNICAL:** Interested in a 70 cm >700 W SSPA, see construction details at [http://www.ok2kkw.com/00003016/pa70cm/pa\\_70cm\\_en.htm](http://www.ok2kkw.com/00003016/pa70cm/pa_70cm_en.htm). TNX to Matej, OK1TEH for the translation.

Rasto (OM6AA) has developed a new dual band feed for 70 and 13 cm that is sure to generate some interest. It was designed for 6.1 m dish with an f/d of 0.4. On 70 it provides V and H pol and on 13 cm RHCP and LHCP. Radiation patterns for both bands were measured in anechoic chamber at ERA Pardubice (Czech republic). An excellent impedance match is provided for both bands, which is better than 20 DB from 2070 to 2500 MHz. The RX port is equipped with N connector and the TX port with a 7/16" connector. The feed will be described in an article in DUBUS magazine.



OM6AA's new 70/23 cm dual band feed

**FOR SALE:** N2IQ has available for sale his 28' Kennedy dish with AZ/EL precision mount made from 20' Rohn 80 tower section and VE1ALQ tracking package. The dish is in amazingly good condition with an excellent surface and original feed poles and feed ring (no feed horn). The precision AZ/EL mount is from Lockheed Martin R&D radar department and uses 16 bit optical encoders and DC PM motors for drive. I am also selling Lunar Link LA-70 non rack mount amplifier with supply. I have trucks and tractor trailers and can arrange dish delivery when the snow melts. The dish is currently up and steerable. [Mark still has his 48' dish and will eventually be back on the Moon with it]. Contact Mark at [mark\(x\)nationalaudio.us](mailto:mark(x)nationalaudio.us) for pricing and photos. UR4LL is offering his coaxial resonator 70 cm GS35b PAs for the special price of \$US300 shipped to EU and \$320 shipped to NA and the rest of the world. More details can be found at [www.nd2x.net/ur4ll/GS35\\_cav.html](http://www.nd2x.net/ur4ll/GS35_cav.html). This price does not include the tube. He has new in box GS35bs for \$US120 each. The PA will supply 1600 W on 432. It requires only a 3-3.5 kV plate voltage, 12 V for GS35b heater and air cooling. Contact Alex at [ur4ll\(x\)gmx.com](mailto:ur4ll(x)gmx.com). NOFRG (Michael Fuchs) - I'm sad to announce the sudden death of WE2Y, John Fuchs. He passed away on Friday, February 4th. John was an active EME participant and I'm sure that many of you knew him. As his brother I now have the unhappy task of needing to do something with his EME gear, which includes an array of 16 pol rotatable yagis - see <http://www.nitehawk.com/rasmit/we2y.html>. The equipment is located in western New York state. While I won't be in a position to actually dispose of it till the summer, please let me know if you have any interest or just want to pass along a few words. Use the e-mail address: [michael.r.fuchs\(x\)gmail.com](mailto:michael.r.fuchs(x)gmail.com), and please put WE2Y in the subject line.



UR4LL's \$US300 1.5 kW 70 cm GS35b Cavity PA

**FINAL:** This month is a particularly bad one as we have two silent keys. I just learned of the sudden death of WE2Y, John passed away on Friday, 4 Feb. He was active on 70 cm EME for more than 20 year and could be counted to show up for the EME contests. I know he will be greatly missed. There is additional information on John from his bother in the For Sale section of this NL. I am also very sorry to report the loss of another EME big gun. F3VS passed way on 1 Jan. Claude was very active on 144 EME where he had a huge array of yagis (probably 3rd largest in the world), but also found some times to give out QSOs on 432 with a much more modest antenna.

Let's not lose our history... OK1TEH <[ok1teh\(x\)seznam.cz](mailto:ok1teh(x)seznam.cz)>, who has become our EME Historian, asks old timers to write some remembrances of their EME activity during 60's and 70's. Matej would like stories about your first EME contact(s) and other early QSOs. He believes that this material will be of interest and value to future EME enthusiasts. He also wants scans of historical EME photos and/or QSL cards. See <http://www.ok2kkw.com/eme1960/eme1960eng.htm> and <http://www.ok2kkw.com/eme1960/eme1965eng.htm> still under construction. Matej wants to extend this material to the next 20 or 30 years of EME.

An area of great concern has been the accuracy of the EME initials listings. The OK1KIR club (OK1DAK and OK1DAI) have put a great deal of effort into finding a solution to this problem. The result is the directory appearing at the end of this NL. Here are their words: There are continuously different opinions about initials and time-to-time a discussion about this issue. Many stations do not even know how to evaluate a callsign worked to count it or not as an initial. Due to this fact, a particular count of initials is often not a serious summary of initials, but only a summary of all the callsigns worked, which can be fairly

large, but also very misleading. Unfortunately, a general directory comprising info about different callsigns use at EME sites (antenna/equipment) was not been available for many years to help with this problem. The last such directory was in the Dec 1986 432&up EME NL - 25 years ago! This old directory certainly does not include info about more recent duplicate calls as AL7OB/KL6M, WA3BUX/WA3FFC, DJ5NV/DL9NDD, Y22ME/DK3WG, RB5EC/UT5EC, AA6WI/N6BQ, EA6/DF5JJ/EA6ADW, DJ4AU/DF0EME, SM3AKW/SD3F, HB9MOON/HB9IZ/HB9HAL/, W7BBM/W7JM, JR4ZZS/JR4AEP, S57NML/S59DCD and others. We, OK1KIR, propose here a small, quite simple attempt to rise up attention about initial qualification. A new general directory of callsigns associated with the same location (initials), will be added G4RGK's summary of EME standings on <http://www.zen70432.zen.co.uk/Initials/What is an Initial.htm>. This directory should at least offer the possibility to seriously check a particular callsign worked for its initial status. By periodically updating this directory based on info received from different EMEers (in brackets indicated when and from whom recvd), we think, it could improve the current situation and increase credibility of the many different standings, presented either officially and/or individually on many web sites. We, OK1KIR guys, present our willingness to help with this general directory, if wanted. In addition, we propose to improve the EME standings maintained by G4RGK simply by announcing the next closing date for update reports to force a kind of regularity into time schedule of update reports.

Another issue of considerable discussion during the past month is the idea of moving the CW calling frequency on 70 cm higher in the band. This move could reduce interference/noise problems some stations are having lower in the band. It would also move the CW activity closer to the frequencies of JT activity and thus possibility encourage more interaction. I will try to devote more space to this discussion next month.

The 16th VHF Weak Signal Group banquet at the Dayton Hamvention will be held on Friday evening 20 May at the Doubletree Dayton Downtown Hotel at 11 South Ludlow Street, Dayton, OH 45402. The cash bar opens at 6:15 PM with plenty of room to mix and mingle with VHFers from all over the country and around the world. The two entrée sit-down dinner will be served starting at approximately 7:15 PM, followed by Dana Whitlow, K8YUM's Presentation "Noise at Arecibo - it's not just the Coqui", and with prizes drawn at 9 PM. Reservations are required. Cost per person is \$35.00 and includes dinner and prize ticket. Seating is limited to 125 and spouses are welcome to join us and are eligible for the prize drawing. For tickets please send \$35.00 per person and an SASE to: Tony Emanuele WA8RJF, 7156 Kory Court, Concord Township, Ohio 44077-2221. Please include the names and calls of all attendees as well as an email address.

I am not a user of Moon-net, but G4RGK reports that Moon-Net is now QRT. W2MRO (ex W9IP and owner of moon-net) has started a new Moon Net at nlsa.com, but it is limited to 1 message per hour. HB9RDI has started Moon-Net GG as a replacement for the old Moon-Net, which currently has around 170 members.

This has been a very busy month. I think I have cover most of the important news. I apologize if I am inadequate to the job. So much is happens that it is difficult to keep up. Despite the comments about low activity, there is more happening than ever before. It is just spread out more. Someone said no one shows up except for contests. This is just not true, but the fact is that there is a contest (or two) just about every month, so it is not surprising that some EME operator just show up for contests. I hope to see some of you on for the 10 GHz Contest this month, if the WX is good. 73, AI - K2UYH.

**A small step for credibility & fairness by Tonda (OK1DAI)** - I suppose, we all love our radio hobby, especially on EME, so I believe we all are happy when having chance to employ a new technology and/or SW tools to play with or to operate and make a new contact, etc. I am excited when finalizing a new project, especially when it performs, delighted when measuring what is expected, happy when having results comparable with others and/or collecting a lot of new QSOs, initials and DXCC into my log. I am excited being able to measure different parameters and trust the values reached and/or get a top-end position in a standing list. It brings me fair satisfaction with the results achieved, especially when it can be shared with others. It is probably valid in any self-fulfilling human activity. All above even brings me simultaneously an understanding of those who can not manage a particular issue in a similar manner or with good results. On the other side I am not happy to find incorrect values presented, any kind of cheating or have worked a new callsign, initial or even DXCC recognizing lately that this operation was out of rules agreed in the community or even illegal. This is a short note about my feeling when participating in our EME community activities. Why such a long introductory? The aim is just to emphasize the role of ham-spirit's self-control in a small part of our EME activity. Specifically, if I work a call-sign, it is quite simple to evaluate if it

becomes the new call-sign for me, but not as easy to determine if it represents new initial as well. Unfortunately a go-easy practice becomes prevailing and a summary of call-signs worked is quite often falsely presented as the list of initials. To help a bit to our inherent personal ham fairness and differentiate these both lists and/or summaries, the following directory of call-signs of the similar initial has been newly compiled from all sources collected. The last one such directory was presented in the deep past in the Dec 1986 issue of EME NL 432 & up. Following directory absolutely does not aspire to be the only one error-free, but if we all will support it continuously with all the latest or even the past info, it could become a very good tool for discussed particular issue. Utilizing it, one can quickly evaluate if a call-sign just worked can increase the list of initials or just be added to the summary of call-signs worked. Of course, anyone can repetitively rise a principal question what has more sense – a serious list of initials or just a simple summary of call-signs worked w/o any care about what the station (ant, rig) was used by the respective call-sign (operator). However, it should be just individual personal decision in which list to participate, but such presence shall comply with the commonly agreed rules for respective standings.

The directory follows .....

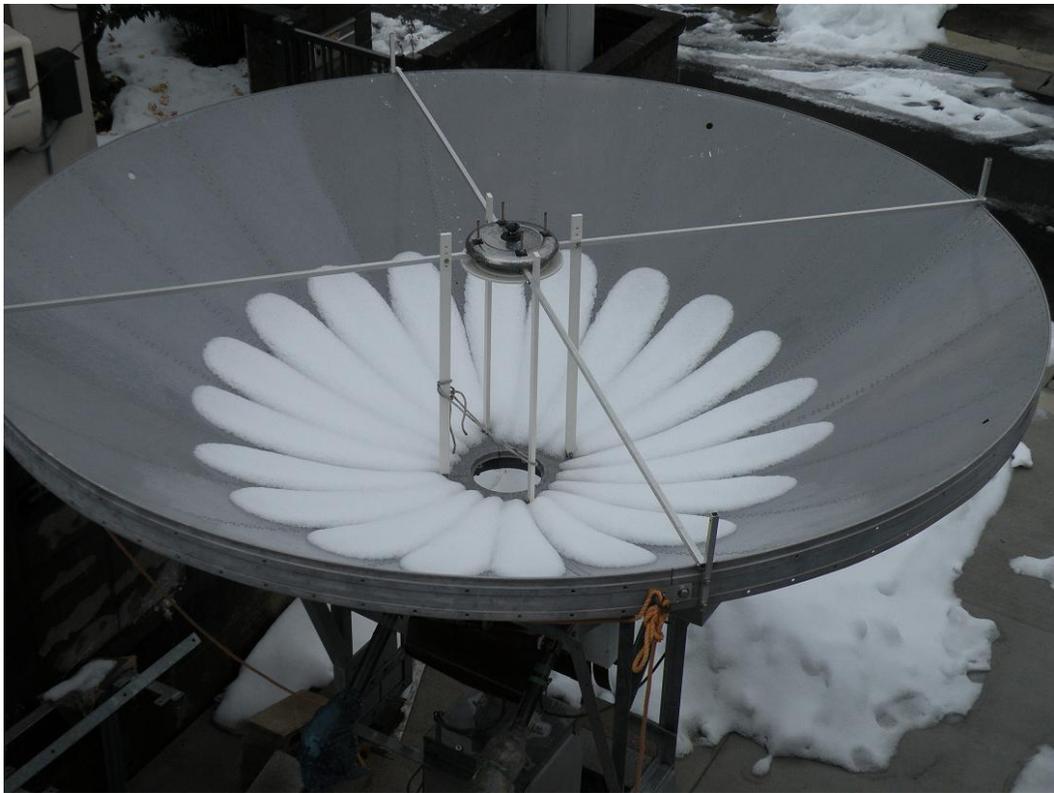
IQ4DF; I4TTZ
IW4ADT; I4VEQ
JA6XED; JA6ZHR; possibly JE6CTS
JR4ZZS; JR4AEP
K0TLM; W0YZS
K2AH; KB2AH
K2DH; KD5RO/2
K2UYH; K1JT; WA2WEB
K4EME; KB4CNI
K5JL; W5ORH; TI2NA/W5
K6DV; KD6R
K7XC; NC7K
K7XQ; KO6RD

432 MHz and up EME Newsletter CW/SSB Initial List/ similar initial	K7XW; KB7UWC	EME standings
	K8GP; K8ISK; WD8ISK	source
	K8HUH; W3IW1/8; K2AOE; W4EFI; WA4MV1/8	

DF0EME; DJ4AU	K8UK; WA8HTL	QSL
DF3RU; DJ5VI	K8VP; KB8ZW	NL Dec 1986
DH0OAH; DL6YDH	K8WW; K8UQA	DL4EBY
DJ5NV; DL9NDD	KA3WSZ; KB3PD	DL4EBY
DJ7FJ; DL2GSG	KD5FZX; W/SM6IKY	log OK1KIR
DK0NA; DB6NT; DF6NJ	KD6RO; K6JYO; W6XJ	NL Dec 1986
DK3WG; Y22ME; DL3BWW	KN6DD; KC6PEF	DL4EBY
DL6YDH; DH0AOH	KL6M; AL7OB	DL4EBY
DL7YC; DL7YCA; DK0UK	KR5V; KN6M	NL Dec 1986
DL9KR; DL0WCY	LX1DB; LX0WCY	NL Dec 1986
EA5CVD; EA5EMM; EA5KF	N00Y; WB0DRL	NL Dec 1986
EA6ADW; EA6/DF5JJ	N2IQ; N2IQU	1986
F1FHI; FD1FHI; F6GNR	N4KT/7; W7UBI	old NL
F1CH; F5KDK	N6BQ; AA6WI	NL Dec 1986
F5FEN; F1FEN	NCH; WA1RWU	DL4EBY
F6CGJ; FE6CGJ	OE9PMJ; OE9YTV (6cm)	DL4EBY
F6CIS; F6FHP	OH6NM; OH6NU	NL Dec 1986
F9FT; F79WARC	OK1KIR; OK0WCY	NL Dec 1986
FF1EME; F1HDI	OK3CTP; OK3DQ	NL Dec 1986
G3OUR; G3WDG; G4KGC; G3YGF from Oxford club station	PA3CSG; PA/G3SEK	log OK1KIR
G3WDG; G4KGC from home station	RA3LE; UA3LBO	NL Dec 1986
HB9MOON; HB9IZ; HB9HAL; .....	RB5GD; RB5GO; RB5GU; RB5GBX; UB5GWX; UB5GAN; UB5GBN; UB5GDV; UY5	NL Dec 1986
HP3XUG; HO3A	S53WW; YU3WW	old NL
I5PPE; IK5WJD	S59DCD; S57NML (9cm)	DL4EBY
I6QGA; IK6EIW	SM0PYP; SP5CIC/SM0	DL4EBY
IK6DZH; I6QGA	SM3AKW; SD3F	NL Dec 1986

UR5LX; RB5LGX	W4WD; W4ZXI	DL4EBY
UT1PA; RB5PA	W5FF; W5LO; K5FF	DL4EBY
UT5EC; RB5EC	W5LUA; WB5LUA; W5ORH; N5QGH	DL4EBY
UT5EG; UB5EAG	W5ZN; WB5IGF	DL4EBY
VE1ALQ; VE9DW	W6TE; WA6YDI	DL4EBY
VE1ZJ; VE1BVL	W6WE; K6HXV	DL4EBY
VK2JDS; VK100WIA	W7BBM; W7JM; WA7BBI	Moon -net NL Dec
VK3UM; VK75A	W7CS; WA6MGZ	1986
W0AH; W2CRS/0	W7EME; N7TYQ	DL4EBY
W0PUP; AA0F	W7QX; W7QXP	NL Dec 1986
W0PW; W0EYE	WA0JMC; W0YZS	NL Dec 1986
W1JR; W1JAA; W1UHA; AD1C	WA3FFC; WA3BUX	NL Dec 1986
W1XP; K9AQP/1	WA6PY; W6/SM0PYP; AD6GP	NL Dec 1986
W1YU; KA1GT	WA7BJU; N7BD	NL Dec 1986
W3IW/KL7; KL7RA	YU1AW; YU1PKW	NL Dec 1986
W3XS; K3EAV	YU2RGC; YZ2RGC; YU2CNZ	DL4EBY
W4AD; K4HNG	ZE5JJ; Z25JJ	DL4EBY
W4DEX; WA4ZIA		DL4EBY
W4TJ; AA4TJ		DL4EBY

Created by OK1DA/OK1KIR on Feb 28,2011



JA4BLC's dish - Everything is naturally beautiful in JA-land!