# 432 AND ABOVE EME NEWS
# AUGUST 2005 VOL 33 #8

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THE NL WEB VERSION IS PRODUCED BY W6/PA0ZN AND AVAILABLE AT http://www.nitehawk.com/rasmit/em70cm.html.

**CONDITION:** It is easy to get depressed and see only the half empty cup. Summer EME can be seen as a half empty cup. There are so many competing activities that EME tends to falloff in the summer. This year is probable worse than usual because there is no clear *best weekend* and thus activity is spread over two weekends rather than one. We are also in a time of transition when Internet communications is changing the way things are done. The need to mail this newsletter (NL) on time so that everyone can see their skeds is no more. The majority of readers get this NL by e-mail or the Internet. Most skeds are now arranged directly by e-mail or instantaneously using loggers. I must admit that talking to someone on a logger at the same as you work them ruins some of the magic of EME for me. In the old days it was considered bad form to talk to someone over the telephone at the same time that you were trying to QSO them. But attitudes as technology are changing. We must all must work together to preserve our hobby. Summer EME can also be seen as a half full cup. It is the time of year when most dxpeditions take place and many new stations make it on the moon for the first time. This summer is no exception. In July Peru in the form of OA4O appeared on 70 cm and gave out a new country to many stations. The best part is the OA4O is here to stay and will be QRV in Aug and the following months. We also have a 23 cm dxpedition to 9A during the up coming July/Aug activity weekend (AW) – see DL3OCH's report, and another 23 cm dxpedition at the end of Aug to Andorra by C31TLT. Skeds for both these dxpeditions are listed at the end of this NL. Our cup may not be overflowing, but conditions on 1296 were generally reported as good in July, and they were good enough on 70 cm to provide some initials to Peru.

**OA4O team: R to L Alex HB9DRI (OA4CRK), Ernesto OA4CN, Manuel OA4AHW & Pablo OA4DJW – see report**

**W5FF A SILENT KEY:** W5FF was NM on EME for many of years. He provided most of us with NM on 432 and 220 MHz. The following is from VE3AX and expresses how many of us feel – How does one thank the guy who gave you State #50? No, not 6m - 220 MHz! Fred and Lee were chasing WAS #1 on 220 MHz and taking every advantage of anyone's interest to drum up 220 EME business. Lee was producing a newsletter on the subject, and phone calls from Edgewood, NM were a common thing around my place in northern Ontario back in 1980. I had "made the mistake" of telling one of Lee's "220 EMEers" that I had some equipment for the band, and had run some unsuccessful 220 EME skeds with Louis Anciaux back in 1973. Next thing I know Lee is telephoning me with Fred in the background pleading with me for the 1st New Mexico to Canada 220 MHz contact. She got that contact in October '81, followed shortly after by Fred. Lee always went 1st! Fred was a gentleman. Over the next 3 years I chased WAS along with the dozen or so EMEers at the time. With many thanks to Marc Thorsen, WB0TEM, Ed Gray, W0SD, and Barry (sorry - Barry forgot your call) and their crazy wintertime EME expeditions we all approached the state #50 mark. #1 went to Terry, W0VB, thanks to his Hawaii expedition, and Mark, Ed, Lee and Fred and Al Ward, all got their WASs. I needed three more states, two of which I found pretty quickly on meteors or tropo, but Florida eluded me for the third year in a row after a near miss with a northern Florida station. Lee was really disappointed I missed Florida yet again in the '84 Perseids so she went to work on Fred. Next thing I know, she calls me to tell me Fred is packing up the Subaru and driving to Florida with 4 220 yagis and their 8877 amp! They found a host station in Paul, WA4LYS, who was active on 2 m EME at the time. Fred drove all the way, by himself - he had to be about 70 at the time - and with Paul's help set up the yagis in the backyard. It took almost two hours to beat Faraday, but Florida finally went into my log and ARRL plaque WAS #7 was mine. Fred worked a few more stations then packed it all up and drove back to New Mexico. I finally met Lee at Dayton in the early 90's when she received her DXCC #1 for 6 meters. Fred got #2 but had to stay back in NM to keep watch on the house. Lee was learning a new "hobby" - driving 18 wheelers! At 68 years old! She always wanted to drive a big truck. Fred just shrugged and encouraged her to go for it. I am sure he knew there was no way to stop Lee once her mind was set. I last spoke with Fred about 7 or 8 years ago. It was on 6 meters and he told me he was having a lot of trouble remembering names. It sounded like Alzheimer's was starting its miserable business. I don't think I ever heard him again after that. Fred - you will be missed, and my heartfelt sympathy goes out to Lee. The "FFs" were a force to be reckoned with and it will be a long time before a couple like this shows upon the VHF's again.

**DL3OCH:** Bodo dl3och@gmx.de will be putting a new DXCC on 23 cm EME during the coming AW – I will be active from 9A (Croatia). As far as I know nobody has ever QSO'd 9A on 1296 EME. It will be the 4th or 5th new country I have operated from on 1296 EME. On Friday 29 Aug I plan to be QRV from both JN75 and JN74. I will operate as in the past: 9A/DL3OCH will always TX 2nd on 1296.055, but this time operation will be on JT65C only. I have found that this mode really works the best. Hopefully 30 minutes for each QSO should be enough. I might stay on EU-136, Krk Island, but that is not sure yet. [Please contact Bodo, if you would like to be added to the skeds list. Present skeds are listed at the end of this NL].


**JT65C setup for extended dxpedition calls – see end of NL**

**F1EHN:** JJ jjm_f1ehn@wanadoo.fr that his new EME System (Tracking software) V6 is now available -- I am pleased to announce that the new version of EME System (V6) software is available at http://www.f1ehn.org. You will find the following improvements and new features: 1) The processor load is now very low and you can use the real time tracking with other programs on a medium computer, 2) For the "WSJT" or "Spectran" users, you will have good

compatibility and very accurate angular positions and Doppler calculation, 3) Tracking now includes a switchable display (reduced or normal) to share the screen area – see example on my web page, 4) Drive directly your rig (transceiver) with the VFO and Doppler information via a serial interface (CAT) - this feature and the Doppler accuracy were tested on the last 47 GHz EME tests, 5) Tracking is now open to manage new interface and protocols like EasyComm1, GS232, DDE, ARS and of course the new KK6MK/F1EHN interface and compatible. During the last 2 weeks there were a few hundred downloads of EME System V6. It is a great surprise for me and I have really appreciated the interest of the EMEers for the new System. But I have received very low responses from the users. Why?? I have dedicated a page of my web site for EME System users. This page is to share your knowledge, your tips and hints and help new users. So send me your web address or a short text and photos and I will create a page for you. I hope you like the new design (man to machine interface) of the modules of EME System.

**G3LTF:** Peter g3ltf@btinternet.com had a slow month -- I missed out on the OA4O activity during the AW due to a PSU failure. I had visitors during the post AW, but was able to get on 432 and 1296 a bit. On 8 July on 1296 I worked K5SO for initial #215 and RW1AW. The next day, 9 July, I QSO'd Alex RW1AW again; he has an excellent signal now. I then switch to 432 and ran a sked with K3MF for initial #389. We completed OK even though conditions were poor. I found very little activity on either band. During the EWW contest in July Iworked DJ7GK on 432. I wonder if anyone can give me some information on this station? Any help will be appreciated. I have lots of EME projects, but the WX has been too good, so progress on them is slow!

**G4RGK:** Dave g4rgk@btinternet.com has been experimenting with JT65 on 70 cm – I had some success with JT65. My problems with frequency drift in the transceiver have been resolved with a crystal heater fitted to the reference oscillator. In July QSOs were made with HB9Q and K3MF.

**GW3XYW:** Stu <no e-mail> is QRV again on 10 GHz – Good news is that I am QRV again on 3 cm with 40 W from a Varian water-cooled TWT and home brew PSU. Stu wants to thank GW4DGU for his help in resolving a problem with his PA. It turned out that the TWT was ok, but the PSU trip in his PSU was too sensitive. His complete system consists of a HB 3 m dish, IMU vertically polarized feed, 40 W TWTA and WDG004 preamp and xverter. Stu is able to copy his own echoes and on 3 July QSO'd G4NNS (M/O). He is interested in skeds, but has no e-mail - (disabled due to frustration over SPAM). Stu suggests you call him for skeds at 44 1792 882 292.

**HB9Q:** Dan (HB9CRQ) dan@hb9q.ch had an excellent month – During the first 2 weeks of July we spent some time during weekdays at the radio. It was great to work many new stations on 144 and 432! Most of them were QRP if not QRPP! On 432 MHz on 1 July we provided OA4O their first QSO-partner. They had an excellent signal (429) all the time on CW. Their JT65C was easy speaker copy at -24 dB, but hard to decode due to frequency shifting from their TX. We also worked several stations using only 1 yagi and 50 W! Since January HB9Q has worked the following initials on 432 CW and JT65C: UT2EG (529V/559), I1NDP (OH/539), RK6MC (539V/539), F6FHP (OV-22/RO-22) with 1 x 21 el yagi and 100 W, SV8CS (OV-27/RO-23) with 1 x 21 el yagi and 100 W, LY2BAW (OH-24/O-19) with 1 x 31 el yagi and 100 W, VK4CDI (OV-28/RO-23) with 1 x 22 el yagi and 100 W, SV1AWE (OV-28/RO) with 4 x 21 el yagis and 50 W, MØEME (OV-17/RO) with 4 x 19 el yagi and 100 W, W7IUV (OH-24/RO) with 1 x 33 el yagi and 50 W, DF4UE (OH-25/RO) with 4 x 27 el yagis and 400 W, OK1TEH (OH-27/RO-23) with 1 x 23 el yagis and 50 W, K7XQ (OH-26/RO), K3MF (OH-23/RO), K7MAC (OH-23/RO-23 with 1 x 32 el yagis and 100 W, OK1CA (539V/569), PY2SRB (OV-28/RO-22) with 1 x 21 yagi and 100 W, S54T (OV/RO), F3VS (OV/RO), OZ1IEP (ROV-23/O-18), JR4MDA (429V/559) with 8 x 25 el yagis and 50 W, RW1AY/1 (OV-29/RO-23) with 1 x 7 wl yagi and 100 W, OA4O (429V/RO) with 8 m dish and 75 W, OM3WBC (ROV-24/O-23) with 2 x 12 yagis and 70 W, K7AD (OV-28/RO with 1 x 33 yagi and 50 W, OE3FVU (OV-25/RO-20) with 1 x 38 el yagi and 35 W, KØAWU (OH-26/RO-22 with 1 x 19 yagi and 200 W and DG7SFL (ROH-21/O-18) with 2 x 21 el yagis and 200 W to bring us to initial #310 and DXCC 51. Our detailed log can be found on our homepage at www.hb9q.ch. We will be active again for the next AW. We plan to be QRV 29 July from 2315 until 30 July at 1445 and on 31 July we may be active from 0000 until 1600. Our operating frequencies will be 432.044 on JT65C or 432.020 CW and 1296.020 CW (plus minus QRM). Email for skeds. This month we also made our first 50 MHz EME QSO!

**K0RZ:** Bill k0rz@combast.net reports he QSO'd on 70 cm CW back on 16 April DL7UDA and UT2EG, on 14 May G4RGK and HB9Q using JT65C. Bill was QRV for 8 hours during was QRV during both April and May AWs, but found activity very low. During the June EWW Contest weekend, he QSO'd DL7UDA, DL9KR, EA3DXU, F2TU, F6KHM, G3LTF, G4RGK, JA6AHB, K5GW, K5JL, KL6M, OK1CA, OZ4MM, OZ6OL, RW3PX, S53RM, SM3BYA, SM4IVE, SP6JLW, SV1BTR, VE6TA and VK3UM. RW3PX was initial #324. Condx for the contest weekend were poor.

**K3MF:** Wayde K3mf@aol.com continues to improve his 432 EME station -- I have completed a new array. Az/el drives are homebrew with a W2DRZ controller. The jack screw drive can hold under 0.5 degrees. It is a car jackscrew with an 1/8 hp 90 Vdc 20:1 gear motor being driven with 34 Vdc. The AZ drive uses the same gear motor with another 20:1 gear reducer giving me a 40:1. The AZ holds around 1 degree. I am going to fabricate some kind of brake for azimuth to reduce the backlash of the chain drive. I can now hear sun noise well. I do not have the equipment to measure the noise, only my ear and I can tell when the array is pointing at the Sun. I will try to be QRV during the next AW. E-mail me for skeds. [Wayde has the new antenna working – see KL6M's report].

**K5SO:** Joe k5so@direcway.com is still running about 200 W, but report good activity on 23 cm in July. During the AW he worked on Saturday K2UYH, G4CCH, K9SLQ, K5GW and N2UO for initial #28, and on Sunday added SM6CKU, N2UO and PY5ZBU #29. Activity was even better during the post AW when Joe QSO'd W2UHI, K9SLQ, RW1AW, IK2MMB (twice), OZ6OL, F2TU and G3LTF for 3 new ones and initial #32. He heard RW1AW during his sked with K7XQ, but only copied K7XQ very weak and not completely. He did notice that K7XQ had a chirp on his signal and tried to call him with nil results. F2TU also tried calling K7XQ. The next day he worked 5 stations including a repeat QSO with RW1AW and initial QSOs with KA0Y, IK3COJ, WA6PY and OE9ERC. This brings Joe's initial count to #36. Joe is working with W2UHI who is using info from the Canadian National Labs to develop meaningful sun noise measurement predictions for 23 cm. Eventually they will have info for other bands. The results will be posted on W2UHI's webpage. Joe plans to be on 23 cm moonbounce as much as he can in hopes of increasing random EME activity. Of course, he usually open for skeds at anytime, too.

**K7XQ:** Jeff k7xq@elite.net has his 432 EME station working well again from his new QTH. On 70 cm he has 4 x 9 wl yagis with an estimated gain of 23.3 dBd, but temporarily only 50 W on TX. Despite the low power, Jeff's signal is strong enough to be workable on CW by the bigger stations. He is presently QRV mainly on JT 65, but hope to have a 1.5 kW PA going soon. Jeff has also put up a new 16' Scientific Atlantic solid aluminum dish for 23 cm EME. It is built on an existing AZ/EL mount. He is having problems positioning the feed. The dish is supposed to be designed for 53" focal distance, but appears to have a 74" focal distance when calculated from it diameter and depth. With the feed mounted at 74" inches, he gets about 15 dB of sun noise, but 2 skeds yielded no QSOs and no signals heard, although K5SO reports hearing him very weak - (M) copy. Jeff remounted the feed at 53" and now measures about 18 to 21 dB of Sun noise! He asks how can this be if the calculated feedpoint is at 74"? He is unable to listen for his own echoes because of a slow TR switch (5 sec delay) and still has heard no signals. Any ideas are welcome.

**K7XQ's new 16' dish for 1296**

**KL6M:** Mike kn6m@aol.com reports on his June/July 70 cm activity -- I worked K3MF on 9 July for initial #149. I was his first QSO on his new array. Right after me Wayde worked VK4AFL. I finally managed to do some more troubleshooting on my 23 cm and 13cm setups. I did a cold sky to ground check. I get 8.0 dB on 23 cm with the VE4MA feed/BBD preamp, but only 2.9 dB on 13 cm with the Septum and DEM/LUA preamp. I also checked a plain old coffee can with one probe and got 2.8 dB. What should I get? [About the same as 1296. 8 dB is very good. 2.8 dB is not very good. Try checking with just the feeds without the dish. CS/G noise tells nothing about the gain of your antenna,

only about your RX performance]. So RX looks good on 23 cm. I still have not found my real focus, since I need to have 13 cm working better for that to use my focus actuator.

**N2UO:** Marc lu6dw@yahoo.com had interesting time during the AW on 23 cm – This last AW was very exciting. I got on the moon without much hope of making too many contacts because of the summer season, but I ended up working on 23 cm on 2 July ON7UN – FB signal from Eddy running REAL power, G4CCH, K5SO for initial #59 and K9SLQ. The next day I worked again Joe K5SO, W7BBM for initial #60 and PY5ZBU for initial #61 and a new continent. I am now looking for Oceania on 23 cm to complete WAC. I also was QRV on 23 cm on 10 July 10 and worked G4CCH, F2TU and K9SLQ. I heard IW2FZR "O" copy, so I know I can work him any time. I am currently building a 10 GHz transverter from scratch using mostly surplus parts that will put me on 10 GHz terrestrial (portable, too many trees around the house), and maybe some day in the not too distant future 10 GHz EME. Squirrels also attacked me. [Those NJ squirrels are vicious!]

**N8CQ:** Gary gabercr@nc.rr.com is pushing ahead with his plans to become QRV on 1296 – I now have one GS-15B amp up. It is running QRP at 150 W output with 7.5 W drive. I am in the process of combining two GS-15B PAs and will then increase the drive to 35 W (17.5 W/tube). When the amp is completed, I will start assembling 12' C-band dish and mounting the Septum feed.

**OA4O:** Alex (OA4CRK/HB9DRI/HK3TAS) artham@artieda.net the leader of the OA4O team reports on their first QSOs -- It's a pleasure to inform you that at 1045 on 1 July OA4O successfully contacted HB9Q on CW; one hour later we QSO'd again on JT65. We also copied HB9Q on SSB loud and clear. We accomplished these QSOs after a titanic effort to get our 8 m dish back in operation and using only 100 W. We made both contacts in not the best of propagation conditions. We were QRV again on 2 July and worked at 1035 partial DL9KR - problems with the sequencing, 1112 partial YO4FRJ - he used 2.5 min sequence, 1135 SM2CEW – excellent QSO, 1225 DL9KR – good QSO, 1310 K2UYH – easy contact, 1325 partial F2TU - signal only in Spectran, 1335 partial KE2N – received O's and OR and 1430 partial KL6M - only copy with Spectran for few minutes. On 3 July QSOs were made at 1145 partial OE9ERC - RX both calls but never got ROs, 1214 OZ4MM – strong signal, 1230 nil YO4FRJ - cell phone repeater QRM, 1300 nil F2TU, 1330 DL7APV - hard in the beginning but OK, 1400 nil G3LTF, 1421 OE9ERC – perfect QSO, 1500 partial KE2N – too weak only seen sometimes on Spectran, 1543 N9AB – perfect, 1611 KL6M - strong but with a lots of fading, and 1644 K5JL - hard copy but OK. On 4 July at 1535 HB9Q was worked a second time on JT65C. The drift problem was still present. All other stations were worked on CW. The CW operators were Jorge (OA4BJU) and Nando (OA4EI), the antenna controllers were Pablo OA4DJW and Augusto (OA4CVT), assistance in the operation and logging was provided by Alex (OA4CRK). Other comments - JT65 operation was a real problem because our radios are to old and drift to much after some minutes of TX. DL9KR tried 2.5 minutes sequence and this made strong chaos at OA4O. We know only 1 min sequence. Our operators have experience in HF. but not on EME. We can't copy if the speed is to fast. 16 wpm is the maximum. An antenna controller build by OE5JFL is not yet installed. Pointing the antenna was primarily by watching the signal level. For 16 years I had a dream and it has became reality! Every body is happy! The OA hams did participate to only look. A group of OA hams are building CW oscillators to learn CW because they want to operate OA4O on EME. Other ones, more computer oriented, want to jump into JT65C. The most important lesson is that 3 month ago the OA4O antenna was totally inoperable and EME was not a topic for the club. Now a group of young OA hams want to explore this fascinating area of our hobby and they don't care if it is CW or JT65. They want to do EME, that all! I'm happy because my dream now has become reality. We are on the moon!

**OA4O:** Dan (HB9CRQ) dan@hb9q.ch is the skeds coordinator for OA4O and has sent the following report – After working for extremely long hours all the proceeding week, Alex (HB9DRI/OA4CRK) and his friends managed to complete the work and become QRV on 432 EME on 1 July! That morning OA4O (FH17fV) made their first full EME QSO on CW with HB9Q. This QSO was followed by a JT65C contact with our station. They could hear the JT65C by speaker but had difficulty decoding due to frequency drift of their equipment. They also copied our SSB signal, but were too weak to make a QSO. [They remained active the following weekend (2/3 July) on 432.030 using 1 minute sequencing with OA4O transmitting always second. They QSO'd on schedule on 2 July SM2CEW, DL9KR and K2UYH, and on 3 July OZ4MM, DL7APV, OE9ERC, N9AB, K5JL and KL6M. They are QRV with full AZ and EL with their 8 m dish, 100 W (maybe 300-400 W very soon), a good preamp and lot's of ham-spirit! I am very happy to announce that Nando, OA4EI, assisted by Alex, HB9DRI/OE4CRK will handle all the CW operation. They will try to avoid JT until after they have fixed their drift problem. Alex, HB9DRI/OA4CRK, is the QSL manager for OA4O. Please send QSL direct to: Alex Artieda, Muehle 1, CH-3412 Heimiswil, Switzerland. Alex will confirm all QSLs he receives, but will not send QSLs first. There are still a lot of things that need to be repaired or replaced at OA4O. Therefore any contribution is extremely welcome. Alex is collecting the money and he guaranties that the money will be well spent at OA4O. The OA4O Team is working on a long to-do-list to enhance their station. They plan to be active again at the end of Aug. I will advice on the Moonnet when they are active again. I was asked to continue to coordinate the skeds for them. So if you need a sked, e-mail me and I will be glad to put you on the sked-list.

**OZ4MM:** Stig vestergaard@os.dk writes about his June activity -- Not much to report from here. I ended the 432 section of the DUBUS contest with 48 x 27. I worked on the 13 June on 1296 K9SLQ (569/579) on CW and (55/55) on SSB, K5SO (569/579) for initial #234 and G4CCH (569/579). These QSOs were made during a demo of EME for a local radio club. I returned from my holidays and worked OA4O on 432. A sked failed with K3MF. I am in process of making new garden house, which will also serve as a platform for working at the feed in the dish. I'm also doing some cable work between shack and dish at the same time, and expect to be ready for activity again in Aug. I am behind in my QSLing, but will be sure to confirm all received QSLs in the coming months!

**SV1AWE:** Bob t_koulouris@yahoo.com has a new PA going with 800 W on 70 cm. He is ready for both CW and JT65B skeds with his 4 x 21 el yagi array. During the post AW, he QSO'd N9AB twice and finally made it with K2UYH.

**WA6PY:** Paul pchominski@Jaalaa.com was active in July on 23 cm, but is also interested in 70 cm sked using his new 70 cm 13 wl DJ9BV yagi built for the DUBUS contest – I was QRV on 1296 on 9 June for only a short time period, but QSO'd KA0Y and K5SO for an initial. Then I was called by IK3COJ (I think). I was not sure the callsign and unfortunately after my second QRZ, he vanished. I'm planning to be on 1296 for the next AW. [Paul has also written me that he is having problems with one of his neighbors who complained about his antennas. He apparently lives in a community that has restricts all forms of outside antennas. I suggested that he write to the ARRL for advice. Paul feels that letters from other EME'ers stating that he is doing scientific experiments, SETI, etc., may help his case].

**WA6PY's 13 wl DJ9BV 70 cm yagi**

**K2UYH:** a.katz@ieee.org This month appeared slow, but in retrospect much happened – I was active during the AW on 2 July on 1296 and QSO'd at 1040 K5SO (54/56) on SSB, 1100 nil from LA8KV in a JT65C e-mail sked – they never made it on and 1148 G4CCH (569/559), I then switched to 432 at 1200 nil SV1AWE in JT65B sked, but I did copied N9AB calling him +1 kHz high and 1300 OA4O (449/O) – Peru back on after more than 15 years! The next day I started on 432 at 1200 nil SV1AWE again on JT65B, then went to 1296 at 1229 N2UO (559/559), 1237 K9SLQ (579/569) and solid on SSB, and 1249 W7BBM (57/55) on SSB. I was QRV again during the post AW and worked on 9 July on 432 at 1509 ZS5LEE (24/22) on JT65B for initial #695* and 1600 partial SV1AWE (O/-) on JT65B – finally copied Bob, but he did not find me. The next day 10 July we tried again this time successfully at 1630 SV1AWE (O/O) on JT65B #696* - Bob had his new amp going and was solid copy. I tried calling him on CW, but he did not respond. This QSO was followed by at 1700 K7XQ (O/O) on JT65B #697*. I then moved to 23 cm and contacted at 1845 IW2FZR (559/0) and (33/24) on SSB, 1933 F2TU (579/569) and (55/44) on SSB and 1953 K9SLQ (579/579).

**NETNEWS BY G4RGK: W7CI** is QRV on 70 cm and should be active. [Has anyone heard him?] **KA1LMR** is working on 1296 EME. Chris has a 12' mesh TVRO dish, which he is modifying for EME operation. **K5JL** is still on 70 cm but will switch to 23 cm in a couple weeks. Jay was able to find a hole in his 70 cm QRM/noise to QSO OA4O on his 2nd try. **N7KA** has had to put the brakes on his 1296 EME effort because of antenna restrictions at his present QTH. He

must move before he can put up any dish more that 8'. **WA9FWD** was on 13cm during the July AW calling CQ, but only heard his own echoes. John's new pointing/tracking system is working FB. **VE3AX** is working on 23 cm EME, but has many diversions. **NP4B/VE3** now has a 15' dish and working to get it operational on 23 cm. He has the mount up and will have dish up in a month or so. **GM0ONN** is working on his dish and Septum feed and should be operational on 1296 by Sept with 230 W in his shack and 15 m LDF5-50 feedline. **KA0Y** reports working on 1296 during July post AW K5GW, IK3COJ, K5SO, F2TU and WA6PY. Signals and condx were excellent. **WA4OFS** is reported to becoming active on 23 cm EME again. **W2UHI** had preamp problems and thus missed the July AW. Frank is working with K5SO to develop more data for the EME community to reference. **G4NNS** has information on how to make accurate Sun/Moon/cold sky measurements at http://www.qsl.net/g3pho/noiseamp.htm. **W9IIX** heard a lot of signals on 23 cm during the July AW but could only copy K9SLQ. His sun noise was 12 dB. **K9BCT** has some antenna problems from hurricane, but no major damage.

**FOR SALE:** **KA1LMR** ka1lmr@yahoo.com is looking for solid state Amplifier PA in the > 100 W range. **WP4O** is looking for a Kenwood TR 851A/E. You can contact ED at erodriguez26@tampabay.rr.com.

**JT65 DXPEDITION CALLS:** K1JT provided the following response to questions from DL3OCH on entering extended dxpedition calls into JT65 – If you are the dxpedition station: 1) On the Setup -> Options screen you should enter the full call you will be using, 9A/DL3OCH. 2.) Enter the call sign and grid of the other station and check "sked" box. The first two TX messages on your computer should read as follows: "K2UYH 9A/DL3OCH" and "K2UYH 9A/DL3OCH OOO". The other station (station try to work the dxpedition, for example K2UYH) should put the full callsign 9A/DL3OCH into the "To Radio" box. The "Gen Std Msgs" button will then generate the desired messages. The first two TX messages on the computer should read as follows: "9A/DL3OCH K2UYH" and "9A/DL3OCH K2UYH OOO". The correct message formats are illustrated near the bottom of page 2 of the "WSJT User's Guide Supplement for Version 4.9", available at http://pulsar.princeton.edu/~joe/K1JT/WSJT_Supp_490.pdf. (An example is also shown after DL3OCH's report in this NL). Whenever "long callsigns" (e.g., with an extra prefix or suffix) are used in JT65, grid locators are not sent as part of the messages. (The message bits normally used for the locator are used for the prefix or suffix, instead.) However, you should still enter the proper locator in the "Grid" box, so that the Doppler shift can be computer correctly. Both stations should check the "sked" box whenever the station you trying to work is known.

**CORRECTION:** I make too many errors, but usually they are small. In last month's NL I showed a picture of what was said to be SP7DCS 432 array. I had the call in the photo caption listed wrongly as SP5DCS and his 2 m array shown not his 432 antennas. This error has been corrected in the July NLs shown on Rein's (W6/PA0ZN) webpage. The correct array can also be seen on Chris' webpage at http://sp7dcs.webpark.pl.

**PHILLIPPINE AMATEURS MAY LOSE 70 CM:** Hams in the Philippines are wondering how long it will be before they are ordered off of the 70 centimeter band. This, after that nations National Telecommunications Commission announces the inclusion of all of that band in spectrum it is considering being made available for broadband wireless networks. The regulatory agency made the suggestion in a Memorandum titled "Frequency Band Allocations for Broadband Wireless Access." The surprise was the inclusion of 410 to 495MHz in nine bands. This includes the Amateur and Amateur Satellite spectrum including the internationally agreed-to allocations. Jose Mari Gonzalez, DU1JMG, is the Manila based president of PARA, which is the Philippines national Amateur Radio society. He says that PARA opposes both the memorandum and the potential loss of 70 cm. He notes that 430 to 440 MHz includes the international amateur satellite band. He says that if and when the Philippines National Telecommunications Council decides to remove 70 cm access from ham radio that his organization will file an official complaint to the IARU. This would likely lead to a complaint by the IARU to the International Telecommunications Union that would hopefully warn the NTC not to change the internationally agreed frequency allocations. (DU1EV, who attended the national telecommunications commission (NTC) hearings to oppose this reallocation. During the hearing, the NTC said that it will receive comments up to 22 July 2005 (0900z). He requests that if you are interested in helping oppose this change that you send a letter to ntc@ntc.gov.ph. He would appreciate receiving a copy of your letter at du1ev@amsat.org. If your National Society can also oppose this, it would be appreciated.)

**FINAL:** K1RQG has written me that he has a number of personal complications, which will probably limit the time he can run the 20 m net this summer. Joe is particularly concerned because European net participation has been way down. He hopes the others will be able to fill in the gap when he is absent and that the Europeans will make a special effort to reach the net when he is not present. I know I do not have to tell you how important the net is to 432 and up EME activity. Joe's Netnotes are a major source of the information that appears in this NL. Please help keep the 20 m Net alive!

This month we have HB9CRQ's Top 10 lists for 432 and 1296 with * to distinguish between entries that are just CW and those including JT mode QSOs. Dan asks that you go to the EME INITIAL LIST page at www.hb9q.ch http://www.hb9q.ch/ to up-date your standings and see the complete list.

I am told that the report on possible loss of the 70 cm band is not limited to the Philippines. This report is quite disturbing as 1296 is also under attack with the plans to locate the Galileo Satellite on 23 cm!

Please keep the reports and technical info coming. I hope to work many of you during the end of July AW (30/31 July)… This one appears the only good moon weekend as the Sun is very close to the Moon the post AW and quite low in declination (-14 degs) during the pre AW. 73, Al– K2UYH

**Dxpedition SKEDS**

**29 July JN75**

| Time | 1296.055 |
|---|---|
| 0030z | OE9ERC-9A/DL3OCH |
| 0100z | DJ9YW-9A/DL3OCH |
| 0130z | PA3CSG-9A/DL3OCH |
| 0200z | HB9Q-9A/DL3OCH |

**29 July JN74**

| | |
|---|---|
| 0830z | K2UYH-9A/DL3OCH |
| 0900z | DJ9YW-9A/DL3OCH |
| 0930z | HB9Q-9A/DL3OCH |
| 1000z | OE9ERC-9A/DL3OCH |
| 1030z | PA3CSG-9A/DL3OCH |

**24 AUG**

| Time | 1296.050 |
|---|---|
| 0400z | C31TLT-OE9ERC JT65C |
| 0500z | C31TLT-OE9ERC |
| 0600z | C31TLT-CQJT65 |
| 0630z | C31TLT-F2TU |
| 0700z | C31TLT-IK2MMB |
| 0800z | C31TLT-CQJT65 |
| 2300z | C31TLT-CQCW |
| 2300z | C31TLT-CQCW |

**25 AUG**

| Time | 1296.050 |
|---|---|
| 0000z | C31TLT-CQJT65 |
| 0300z | C31TLT-OK1KIR |
| 0330z | C31TLT-SM2CEW |
| 0400z | C31TLT-OZ4MM |
| 0430z | C31TLT-HB9Q |
| 0500z | C31TLT-DJ9YW JT65C |
| 0600z | C31TLT-K5JL |
| 0700z | C31TLT-K2UYH JT65C |
| 0730z | C31TLT-WA6PY |
| 0800z | C31TLT-K2UYH |
| 0830z | C31TLT-W5LUA JT65C |
| 0900z | C31TLT-K5SO |

**26 AUG**

| Time | 1296.050 |
|---|---|
| 0430z | C31TLT-OH2DG |
| 0500z | C31TLT-9H1ES |
| 0530z | C31TLT-VE1ALQ |
| 0630z | C31TLT-PY5ZBU |
| 0700z | C31TLT-K0YW |
| 0800z | C31TLT-WA6PY |

**432 AND 1296 TOP TEN LISTS**

| Pos. | Callsign | Initials |
|---|---|---|
| 1 | DL9KR | 822 |
| 2 | K2UYH | 662* |
| 3 | K1FO | 613 |
| 4 | N9AB | 440* |
| 5 | DK3WG | 411 |
| 6 | G3LTF | 386 |
| 7 | SM2CEW | 382 |
| 8 | SM3AKW | 373 |
| 9 | UR5LX | 367 |
| 10 | OK1KIR | 358 |

| Pos. | Callsign | Initials |
|---|---|---|
| 1 | OE9ERC | 308* |
| 2 | OZ4MM | 234 |
| 3 | W5LUA | 223 |
| 4 | HB9BBD | 220 |
| 5 | K2UYH | 214* |
| 6 | F2TU | 213 |
| 7 | G3LTF | 211 |
| 8 | G4CCH | 204 |
| 9 | ZS6AXT | 198 |
| 10 | SM3AKW | 192 |