



SAN BERNARDINO MICROWAVE SOCIETY, Incorporated

FOUNDED IN 1955

A NON-PROFIT AMATEUR TECHNICAL ORGANIZATION DEDICATED
TO THE ADVANCEMENT OF COMMUNICATIONS ABOVE 1000 MC.

W6IFE Newsletter November 2011 Edition

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At the **November 3, 2011 SBMS meeting** we will have Mel, WA6JBD tell us about “overcoming the challenges of remote operation with a high powered 10 GHz radio.” The SBMS meets at the American Legion Hall 1024 Main Street (south of the 91 freeway) in Corona, CA at 1900 hours local time on the first Thursday of each month.

Last meeting...Dave, WA6CGR gave a good simple talk about the Smith chart and how it can be used. Winsmith is a free software package that will run the Smith Chart for you and help solve RF problems. It is available at <http://ham-radio.com/sbms/smithchart>. The next trip to the Owens Valley Radio Observatory (OVRO) will be November 11 and 12. The OVRO club project lead by Doug, K6JEY is planning to move Pat, N6RMJ's 10 t dish to OVRO and mount it on a pedestal there. John, KJ6HZ talked about the process of figuring out a beacon club project and the decisions of where to put it. A video clip of WA6CGR operation during the contest was shown. Ralph, W7ACO will be getting the “Flange” award for dropping his IC706 on a rock and breaking the display. 20 people present.

Scheduling:

Nov19-20 50-1296 MHz ARRL EME contest 0000Z Sat-2359Z Sunday

December 1 TBD

December 10 SBMS Christmas Party at Denis' house (W6DQ)

January 5, 2012 TBD

February 2 TBD

March 1 TBD

August 16-19, 2012 The 15th International EME Conference in Cambridge, England.

Wants and Gots for sale.

For Sale: 30w 1296 MHz PA kit \$50 + \$5 for US shipping Chris Shoaff, N9RIN cshoaff@yahoo.com

For Sale: 10 GHz slotted waveguide antennas \$70 kit, \$95 assembled plus shipping Dan W6DFW W6DFW@apex-scientific.com

Want: signal generator/ sweeper 0.9 to 2 GHz w6iee.73@gmail.com

Free: 3 HP8690A sweep oscillators \$10- no plug-ins. 4 turret microscope \$25; Carl Zeiss surveyors level \$50 Bill WA6QYR bburns@ridgenet.net

Activity reports— Brian, AF6NA had fun in the contest and is getting a bigger antenna; Jason, W6IEE had fun during the contest and had lots of contacts; John, KJ6HZ has a new DB6NT transverter since his old one was stolen; Pat, N6RMJ had fun in the contest and drove lots of miles ending up with 278 Q's; Dave, WA6CGR did some work on a 8.2 GHz receiver for Jerry and had fun during the contest; Ed, WX6DX was out on the contest with WB6DNX; Gary, W6KVC did some ATV work; Courtney, N5BF is working on a 10 GHz rig and planning a receiver for the Grail satellite around the moon; Rein, W6SZ had fun in the contest looking for reflections to his house; Doug, K6JEY and Helen were out on the contest working 10 GHz and 24/47/79 GHz and is building a rig for 140 GHz, purchased a P3 panadapter for the K3 radio; Walt demonstrated a synchronous detector; Bill, WA6QYR had fun in the contest and has been cleaning out the shack; Dick, WB6DNX was at signal peak during the contest and broke his transverter transmit section with too much power from the IF radio; ATV check ins were K6BNN, KG6NWK, W6MAF and W6KGE.

MMW Australian record: Alan VK3XPD and Michael VK3KH report at 25 meter contact on 135.20, 243.36 and 324.48 GHz in October 2011.

My trip to the K6JEY sidewalk ARRL EME contest event.

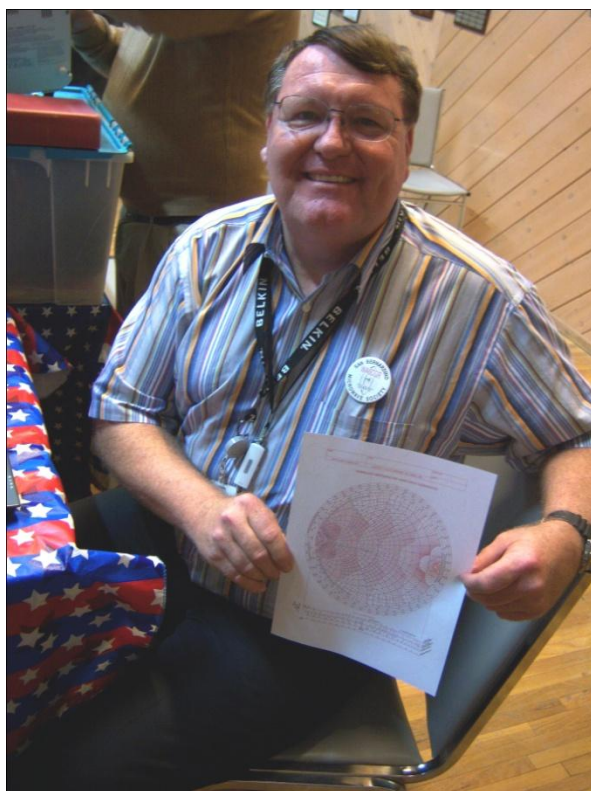
I got out of bed at 0330 22 October to make a early morning 3 hour trip down to Doug's (K6JEY) house in Long Beach CA. I am glad I took my Garmin GPS along to find his house because as I approached Long Beach there was dense fog to obscure road signs until you were up on them and trying to make decisions on which way to go. The GPS got me back and around surface streets until I arrived at Doug's house a few minutes after 7 am the appointed time to start the 144 MHz EME event. Brian, AF6NA and Arthur had arrived a couple of minutes before me and had a box of donuts. We roused Doug and Rein, W6SZ out of the house and started setting up the antennas and connecting up the coax cables. Murphy got involved in the set up and made sure the units of the rig didn't function as planned. After an hour of testing boxes and cable connections we were ready to go. The fog again got in the way of pointing to the moon. A large compass rose was laid on the sidewalk to previous markings and a table of azimuth and elevations helped us point to the supposed position of the moon through the fog. Brian had a field strength meter wand and was taking readings of the field strengths at various locations around the antennas. After another hour of calling on WSJT digital mode we decided there was something wrong and Murphy was again messing with us. By now the fog was starting to burn off and we could see the moon. Lining up the antennas on the optical moon we started making contacts. Several east coast hams were contacted before running out of stations. By now the moon window was getting far enough west that Japanese stations were starting to show up on the computer. After several attempts to work the JA stations, we had had enough operating so the station was taken down and put away in Doug's back yard.



Rein and Brian are checking out the cables on the two 13 element two meter antennas.



Doug at the radio end of the station is checking out its operation.



Dave, WA6CGR holding a Smith chart about which he talked on its use and application during the October SBMS meeting. The San Bernardino Microwave Society is a technical amateur radio club affiliated with the ARRL having a membership of over 90 amateurs from Hawaii and Alaska to the east coast and beyond. Dues are \$15 per year, which includes a badge and monthly newsletter. Your mail label indicates your call followed by when your dues are due. Dues can be sent to the treasurer as listed in the banner on the front page. If you have material you would like in the newsletter, please send it to Bill, WA6QYR at 247 Rebel Road Ridgecrest, CA 93555 or, bburns@ridgenet.net, or phone 760-375-8566. The newsletter is generated about the 15th of the month and put into the mail at least the week prior to the meeting. This is your newsletter. SBMS Newsletter material can be copied as long as SBMS is identified as source.

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