



## 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 September 2011 Edition

President Chris Shoaff, N9RIN 2911 Calle Heraldo San Clemente CA 92673 949-388-3121 [cshoaff@yahoo.com](mailto:cshoaff@yahoo.com)

Vice President Brian Thorson, AF6NA 7467 Country Fair Dr. Corona CA 92880 909-226-2015  
[brian.thorson@sce.com](mailto:brian.thorson@sce.com)

Recording Sec Walter Clark 824 Valley View 714-738-3686 [walterclark@adelphia.net](mailto:walterclark@adelphia.net)

Corresponding Sec Jeff Fort KN6VR 10245 White Road Phelan CA 92371 909-994-2232 [jnjfort@Verizon.net](mailto:jnjfort@Verizon.net)

Treasurer Dick Bremer, WB6DNX 1664 Holly St Brea CA 92621 714-529-2800 [rabremer@sbcglobal.net](mailto:rabremer@sbcglobal.net)

Editor Bill Burns, WA6QYR 247 Rebel Rd Ridgecrest, CA 93555 760-375-8566 [bburns@ridgenet.net](mailto:bburns@ridgenet.net)

Webmaster Dave Glawson, WA6CGR 1644 N. Wilmington Blvd Wilmington, CA 90744 310-977-0916  
[wa6cgr@ham-radio.com](mailto:wa6cgr@ham-radio.com)

ARRL Interface Frank Kelly, WB6CWN PO Box 1246, Thousand Oaks, CA 91358 805 558-6199  
[fm.kelly@verizon.net](mailto:fm.kelly@verizon.net)

W6IFE License Trustee Ed Munn, W6OYJ 6255 Radcliffe Dr. San Diego, CA 92122 858-453-4563  
[remunn@earthlink.net](mailto:remunn@earthlink.net)

At the **September 1, 2011 SBMS meeting** we will have a planning session for the second half of the ARRL 10 GHz and Up Contest plus discussion of results of the first half of the contest. 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:** Mel, WA6JBD lead a planning session for the first part of the ARRL 10 GHz and up contest. A number of members were on hand to plan where they were going to be. Wayne, N6BN brought us discussion on the ARRL band planning efforts for the microwave area of spectrum. Thoughts were that Congress mandated 500 MHz re-designated would include the 3.3-3.5 GHz ham band. A number of links for the radio systems like Cactus could be affected by the spectrum re-designated frequencies. Going to "broadband.gov" will bring you to a government page that talks to the Congress plan directed to the FCC where "every American will".... have access to their government in action. The smart grid... universal service. and inter carrier compensation reform. If you want to see more go to "reboot.fcc.gov" to see spectrum dashboard where the 500 MHz or spectrum takeaway is discussed. ARRL is trying to get a handle on how much spectrum the amateur uses in main band plans and the "secret" links of systems like Cactus and other networks. The FCC is under the Congress gun to make this happen and soon is byword. Brian, AF6NA indicated that Hamcon in Torrance in September needs some microwave talks. 18 people present.

#### **Scheduling:**

**September 10-12** ARRL September VHF QSO Party

**September 17-18** ARRL 10 GHz and Up contest second half.

**September 24-25 2.3 GHz+ ARRL EME contest 0000Z Sat-2359Z Sunday**

**October 6** TDB

**Oct 13-16** Microwave Update 2011 Crowne Plaza Hotel Enfield, CT [W1GHZ@arrl.net](mailto:W1GHZ@arrl.net)

**Oct 22-23 50-1296 MHz ARRL EME contest 0000Z Sat-2359Z Sunday**

**Oct 22-23** EME 50-1296 MHz round 1 Dubus contest

**November 3** TBD

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

**Nov 19-20** EME 50-1296 MHz round 2 Dubus contest

**December 1** TBD

**Dec TBD** SBMS Christmas Party

**January 5, 2012** TBD

**August 16-19, 2012** The 15<sup>th</sup> 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](mailto:cshoaff@yahoo.com)

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

**For Sale:** 10 ft channel master TVRO dish. Mesh good to 12 GHz. 0.3 f/d \$50 OBO Brian 909-226-2015 [brian.thorson@sce.com](mailto:brian.thorson@sce.com)

**For Sale-** Heathkit 2 meter HA201 amp 2w in 10 w out \$10; Heathkit IM-11 VTVM \$5; Heathkit AM2 VSWR meter \$5 Bill WA6QYR 760-375-8566 [bburns@ridgenet.net](mailto:bburns@ridgenet.net).

**Wanted-** hardware with one or two 4CX250's inside that could be persuaded to on to 2 meters. Also any dirt cheap HP-141 hardware. Jason W6IEE [w6iee.73@gmail.com](mailto:w6iee.73@gmail.com).

**Wanted:** any 8 GHz receiving equipment or parts Ed WX6DX [emurashie@att.net](mailto:emurashie@att.net).

**Activity reports**— Chuck WA6EXV had a Flex radio 1500 that he hopes to have ready as an IF rig from home during the contest; Bill WA6QYR now has 8dB of sun noise on 1.2 GHz; Walt is continuing to collect parts and Chris N9RIN is helping with the identification and testing for the parts; Dave N6TEB has a 6 ft dish to mount and a power meter to fix; Bill, N6MN worked the VHF contest; Chip, N6CA has the 5 GHz head from Hawaii and is going to rework it into a real beacon; Mel, WA6JBD has been doing some contest planning and rig work; Rein, W6SZ went to the tune up party, worked Brian in Santa Barbara on 10 GHz from home in Alta Loma; Larry K6HLH has his 10 GHz gear ready to work WSJT modes and he heard the new satellite launched from the space station.; Pat N6RMJ went to the tune up party and worked on rig at the lab; Chris, N9RIN went to the tune up party; Chuck WA6EXV has the beacon back from Heapsto see what it's trouble was.

**Contest Planning-** Chip, N6CA is going to Mt Shasta; Pat, N6RMJ and Brian W6BY and Brian AF6NA are going to Sacramento and then heading south through the Central Valley; K6DYD and K6TFC are going to Mexico; Robin WA6CDR and Mel, WA6JBD are going to Mt Potosi; Mt Frazier will have N9RIN, Ben and N6TEB.

Contest notes: Pat, N6RMJ and his fabulous four were heard in the Sacramento area from the south end of the Central Valley at Frazier. Mel, WA6JBD and Robin, WA6CDR on Potosi NV were heard from San Diego and California points very north. There were ten stations of Frazier to work Chip, N6CA on Mt Shasta. A number of 24 and 47 GHz contacts were made from Frazier by Tony KE6UQH. Bill, WA6QYR on 6300 ft Wyle's Knob Bird Springs Pass DM05wm worked a number of contacts. Larry K6HLH worked from home using his Flex Radio IF.

**Microwave web sites of interest:**

**North Texas Microwave Society [www.ntms.org](http://www.ntms.org)**

**Lots of info on Do It Yourself building a rig and general info related.**

**Meteor scatter and EME by noteables like Al Ward W5LUA and Kent Britain WA5VJB.**

**Dave WW2R page [www.g4fre.com/radio.htm](http://www.g4fre.com/radio.htm) with all kinds of ideas on operating.**

**Northern Lights Radio Society [www.nlrs.org](http://www.nlrs.org)**

**Central States VHF Society [www.csvhfs.org](http://www.csvhfs.org)**

**EME info [www.sm2cew.com/download.htm](http://www.sm2cew.com/download.htm) or [/index.html](http://www.sm2cew.com/index.html) which is down loads for VK3UM site.  
[www.vk3um.com](http://www.vk3um.com) antenna analysis software; EME calc; sun noise info, etc.**

**Your idea or article or thoughts could go here. Let Bill, WA6QYR know what you have on your mind for words to place here. [bburns@ridgenet.net](mailto:bburns@ridgenet.net).**



Bill, WA6QYR's 10 GHz bench station made up of a TS700A IF rig and MACOM transverter. 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](mailto:bburns@ridgenet.net), or phone 760-375-8566. The newsletter is generated

about the 15<sup>th</sup> 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.

San Bernardino Microwave Society newsletter  
247 Rebel Road  
Ridgecrest, CA  
93555  
USA