



## 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 August 2010 Edition

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At the **August 5, 2010** SBMS meeting the "Tech Talk" will be "The 10 GHz and Up committee" leading a discussion of what members could do during the 2010 ARRL 10 GHz and Up contest to make more points. 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.

### REMINDER- NO PARKING IN THE CHURCH LOT

**Last meeting-** Wayne, N6NB gave a good talk on "Ideas for Winning VHF contests and War Stories". It would seem as soon as someone outside the east coast wins a VHF contest, the rules are changed so that won't happen again--or at least that is the way things seemed to turn out for Wayne. Roving the USA, making super long expeditions, venturing to rare grids all of which Wayne has done over the years, has lead to rule modifications the next year. Wayne started in 1957 and has been at it since that time. The best station to have is one that works all the bands in your category, has maximum power allowed, quick band changing capability, be in the best location, and good logging software. Being able to multitask is a plus. Start early and keep at it is a way to win. Be practical on how you rove and what you take with you. There was discussion of what SBMS could do in the up coming 10 GHZ contest. More on that at the August meeting. Thanks Wayne. **Carrie Tai, W6TAI** was along at the meeting to add to the discussion of roving since she is one of the group of rovers Wayne talked about and had good pictures of her and other rovers in the Southern California area. **Tisza, KI6DBR** had bake sale goodies for the Family Program at MUD. Our many year treasurer **Dick, K6HIJ** was presented with a Life Time achievement certificate for his back ground efforts to keep the Society American Legion meeting place paid for, insurance for events, IRS reports, and many other things he has done in support of the Society over the years.



Dick Kolbly, K6HIJ receives the SBMS Lifetime Achievement Award from President John Oppen, KJ6HZ at the July meeting.



Dick, K6HIJ and his wife Phyllis talk to SBMS President John Oppen following the presentation of Dick's Lifetime Achievement Award.

**MUD2010 update**-check for weekly updates on the MUD 2010 web site. There was lots of discussion on speakers and events to be happening at MUD.

**Activity reported** at the July SBMS Larry, K6HLH has been having 0800 schedules with WA6EXV on 10 GHz to find out what the propagation mode is between their two QTH's, Larry worked two stations on Field Day; Dick, WB6DNX has been picking up the SBMS treasurer tasks and working on MUD2010 pay pal workings; Chuck, WA6EXV tested the new 10 GHz beacon as reported last month and is running propagation tests with K6HLH daily; Bill, WA6QYR put down 1425 bricks in a courtyard project with the Scouts and is getting ready for the 2010 100 year National Boy Scout Jamboree Radio Merit Badge booth; Ed, W6OYJ has been learning the operation of the FT817 and noted power problems with the San Diego beacons/repeaters; Rein W6SZ is building a 10 GHz receiver and snow flaking a Qualcomm 10 GHz power amplifier; Tom WB6UZZ is snow flaking a 10 GHz amplifier; Don KE6BXT has been testing the control of a rig over the internet; Gary K6KVC ran some ATV for Field Day; Wayne, N6NB worked the VHF contest; Eric, AF6EP is putting a lab together; Jeff KN6VR was in a big group for Field Day in Big Bear; Mel, WA6JBD is building a new amplifier for 10 GHz; Don WA6TWT did some controller work; Lane did some work for his grandfather Dick, K6HIJ on the 10 GHz rig; Dick, K6HIJ worked on the 10 GHz rig; Jerry N7EME found a 4 KHz spur on his 10 GHz rig out put; Pat, N6RMJ work the VHF contest; John, KJ6HZ did Field Day on HF; Mike, KI6OQT did some lab work; ATV check ins included K6BNN, KB6CJZ, W6DWF, K6TCC.

**A late report from the Contest Club Ontario (Canada) indicated a score of 14,784 from 5 operators on 2.3, 3.4, 5.7, 10 and 24 GHz bands.**

**2010 SBMS 2.3 GHz and Up Contest Results**

<u>Club</u>	<u>bands worked</u>	<u>Calls</u>	<u>DX</u>	<u>points</u>
Northern Lights Radio Society	2.3 3.4 5.7 10	31,700	56,358	102,051
SBMS	2.3 3.4 5.7 10	2200	2496	4696
San Diego Microwave Group	10	1400	1963	3363
Arizona MUG	10	600	708	1308

<u>Club</u>	<u>Operator Logs</u>
NLRS	16
SBMS	1
SDMG	3
AMUG	3

**Scheduling.**

August 7-8 UHF Contest

August 21-22 ARRL 10 GHz and UP contest 1st weekend

September 2 Tech Talk Doug, K6JEY on "Using TV/Cable level meters for Antenna Measurements".

September 11-13 September VHF QSO Party

September 18-19 ARRL 10 GHz and UP second half

**SBMS sponsored MUD 2010** October 21 to 24 Cerritos Sheraton Hotel. Website is microwaveupdate.org. Preregistration on line \$35. Hotel info on the web site. Thursday Tours. Friday talks and swap meet. Saturday talks, noise figure measurements, banquet and speaker. Sunday antenna measurements. Papers due 1 September for proceedings.

**Wants and Gots for sale.**

**For Sale** 30w 1296 MHz kit \$50 + \$5 for shipping Chris Shoaff cshoff@yahoo.com

For Sale- microwave oven leak detectors 0-5-10mv/cm2 2.45 GHz +/- 1.4 GHz and Digital Video Camera with recorder +12.0 MP still Dig Camera + MP3 all in one, 16x zoom new in box Mike KI6OQT@yahoo.com

For Sale TS-403 2-4 GHz signal generator \$10 Bill bburns@ridgenet.net

For Sale 10 GHz slotted waveguide antennas \$60 kit \$85 assembled plus shipping Dan W6DFW W6DFW@apex-scientific.com

Hello Microwavers,

On Saturday July 31st SBMS and the San Diego Microwave Group will hold their annual "Tune Up Party" at Fairview Park in Costa Mesa. The testing will start around 9:00 AM and goes until approximately 12 noon.

This is your chance to check out your entire rigs' performance in both the receive and transmit modes. This is not a test of individual components or modules.

Kerry Banke, N6IZW is providing the test range setup for the 10 and 24 GHz Bands.

The remote mast-mounted sensors/sources will be down range about 200 feet.

On each band you will need to aim/peak your rig's antenna at the received signal from the remote sensor/source. Then the signal level will be reduced to evaluate your minimum discernable signal (MDS).

Then you will transmit a cw carrier at your peak level toward the sensor.

The measurement will indicate your

Estimated radiated power (ERP). You will be asked for your estimated transmit power and your antenna type and size. Both the received and transmit data will be entered into a spreadsheet and made available in a few days via the SBMS reflector and web pages.

This is a way to compare your rig against others having similar antenna sizes, in order to find any problems in advance of the upcoming August and September contests.

The San Diego group expects to arrive and start setting up before 9:00 AM and can begin testing as soon as the equipment is ready.

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**Driving Directions:**

If you're coming south on the 405 Freeway:

Exit the 405 Freeway at Brookhurst. South on Brookhurst, Left (E) on Adams.

Right (S) on Placentia.

Turn right into the Park at the traffic light.

Go left in the park until you get to the last parking area.

Save the space next to the tree and table for Kerry's truckload of equipment.

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If you're coming north on the 405 Freeway:

Exit the 405 Freeway at Harbor.

Go South on Harbor (L) and turn right (W) on Adams.

Turn left (S) on Placentia.

Turn into the Park at the traffic light.

Go left in the park until you reach the last parking area.

Save the space near the tree and table for Kerry's truck full of test gear.

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Hope to see you on July 31st!!

Ed Munn, W6OYJ

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Mel, WA6JBD will be leading the August meeting discussion on how to make more points during the 2010 ARRL 10 GHz and Up Contest.



Carrie, W6TAI and Tisza, KI6DBR discuss the family program at the MUD 2010.



Jeff, KN6VR and Wayne, N6NB discuss Wayne's talk about VHF contesting.



# San Bernardino Microwave Society

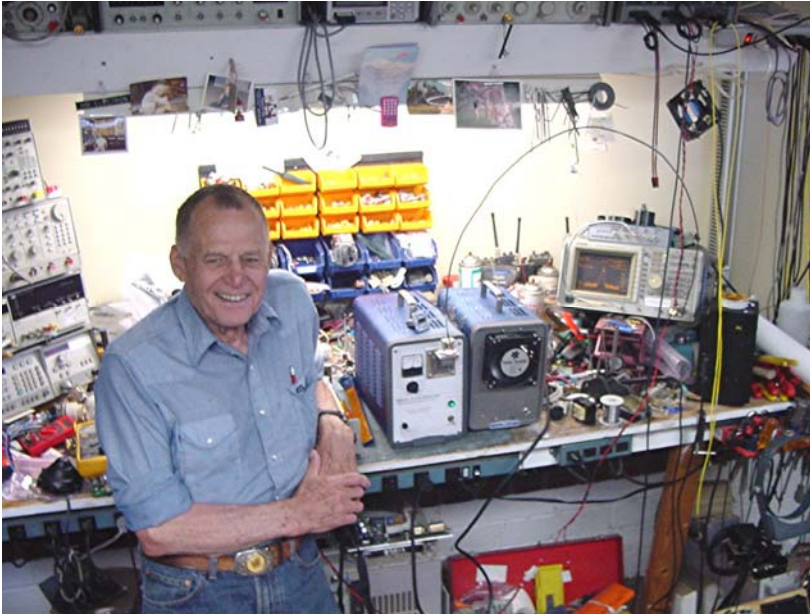
## Lifetime Achievement Award

Dick Kolbly, K6HJJ

This award is presented to Dick Kolbly, K6HJJ in recognition of his many years of service to the SBMS as it's treasurer. Throughout that time Dick has shown exceptional dedication to his duties and a genuine concern and care for SBMS and it's functioning. For his many years of service to our club he has earned our most sincere and lasting thanks.

President: \_\_\_\_\_

Secretary: \_\_\_\_\_



Newsletter material can be copied as long as SBMS is identified as source.

**Chuck, WA6EXV at Greg, work bench in San Diego where the 10 GHz beacon was measured. .** 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 under 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, [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

San Bernardino Microwave Society newsletter  
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