



# ARCOVER

**South Bay Amateur Radio Club**



W6SBA  
E-mail: [W6SBA@arrl.net](mailto:W6SBA@arrl.net)

*A Community Service Organization  
Dedicated to Amateur Radio Since 1970*

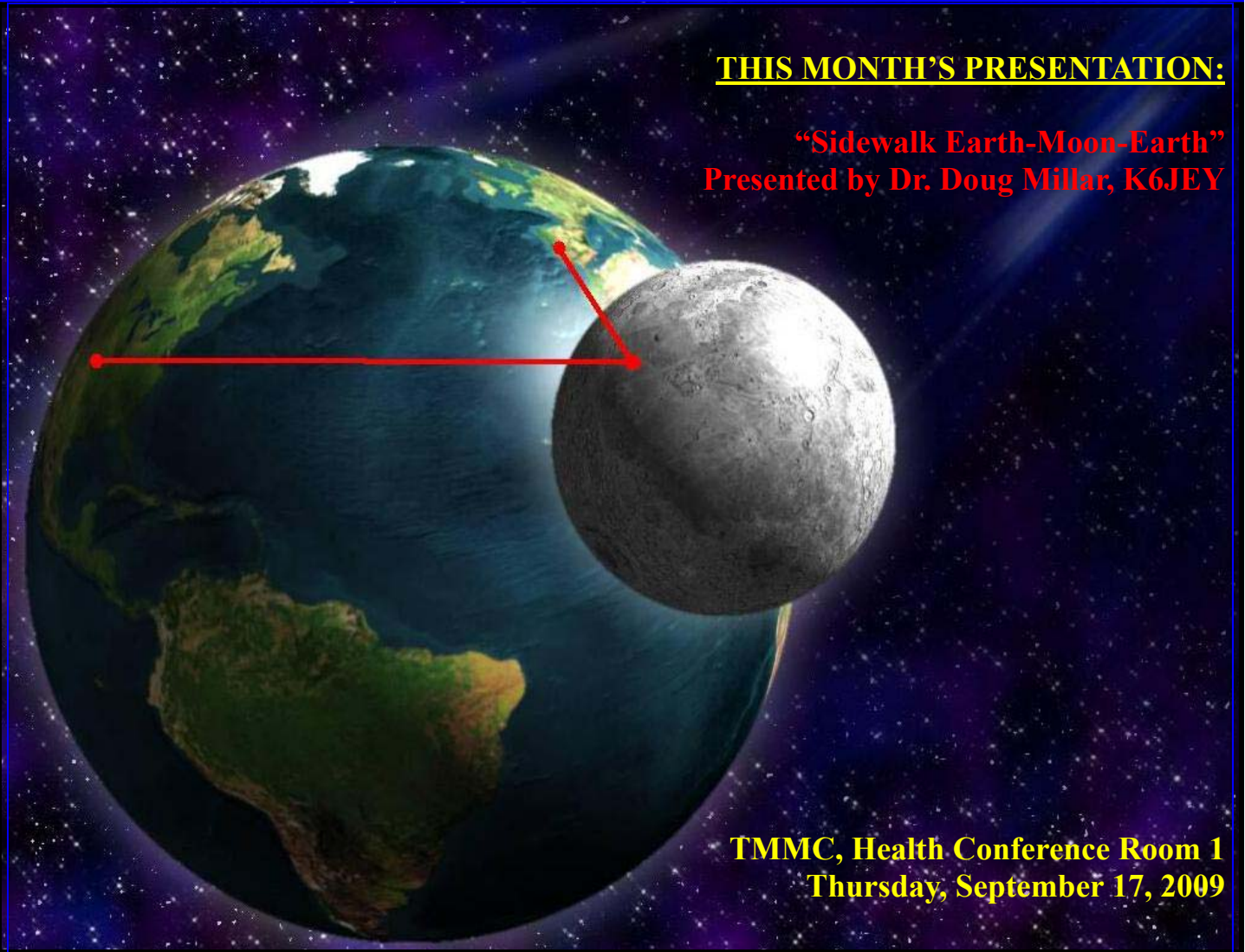
Website: <http://www.w6sba.org>

President - Alex - KD6LPA

September 2009

## THIS MONTH'S PRESENTATION:

**"Sidewalk Earth-Moon-Earth"**  
Presented by **Dr. Doug Millar, K6JEY**



**TMMC, Health Conference Room 1  
Thursday, September 17, 2009**

### **About the Speaker:**

Did you know that you can bounce signals off of the moon and talk to other hams who can also see the moon? Dr. Doug Millar, K6JEY, will show you how you too can explore this aspect of our hobby using fairly modest equipment and techniques. Any licensed amateur can conduct E-M-E transmissions on VHF and UHF frequencies using a number of different modes without spending a fortune on equipment. Doug will discuss some basics on getting started and show what he uses at his home station for E-M-E which he sets up on the driveway and sidewalk. We look forward to seeing you at what we're sure will be a very interesting talk!

**From the Chairman of the By-Law Committee:**

It is with great delight that I am able to help update the SOUTH BAY AMATEUR RADIO CLUB Constitution and Bylaws. I wish to thank the members and the Council for all their input on the revisions. Working with the council was a pleasure as they had many constructive suggestions. We hope it brings our Constitution and Bylaws up to date.



It was a pleasure to work with Alan KG6GPL on the committee. His input was instrumental, and his writing skills made the changes more professional.

Please review your copy of the Constitution and Bylaws to make an informed decision when we have the vote to accept the revisions at the September 17 meeting.

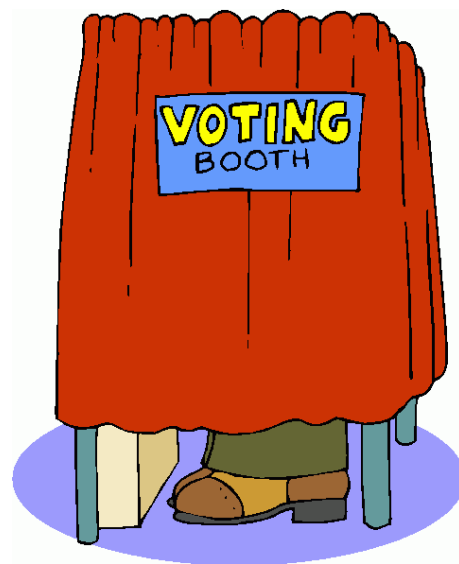
**John AC6FB**, *Chairman of the By-Law Committee*

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**UPDATED BY-LAWS AND CONSTITUTION:**

For the past few months, the By-Law committee has been working diligently to update both the club Constitution and By-Laws. Both documents had sections which were vague and required clarification. In other cases, new language was introduced to help keep the club running smoothly.

All members in good standing received a copy of the proposed changes to both documents (either by email or snail mail). Items that were deleted are in the strikeout font. Additions are italicized.



As announced in the August club meeting, we want each member to review these changes, so we can vote to adopt the new Constitution and By-Laws as presented at the September club meeting.

If you have any questions or concerns regarding the changes, you are encouraged to contact any council member or members of the By-Law committee prior to the September meeting.

Finally, I wish to thank John and Alan for all their hard work on this effort. It wasn't easy, and it took months of effort, and long nights of debate at the council meetings. So please join me in congratulating and thanking both John and Alan for their outstanding efforts!

— Alex

**H.R. 2160:  
111th Congress**

*Amateur Radio Emergency Communications Enhancement Act of 2009*

**Purpose:**

*To promote and encourage the valuable public service, disaster relief, and emergency communications provided on a volunteer basis by licensees of the Federal Communications Commission in the Amateur Radio Service, by undertaking a*



*study of the uses of amateur radio for emergency and disaster relief communications, by identifying unnecessary or unreasonable impediments to the deployment of Amateur Radio emergency and disaster relief communications, and by making recommendations for relief of such unreasonable restrictions so as to expand the uses of amateur radio communications in Homeland Security planning and response.*

**Status:**

*This bill is in the first step in the legislative process. Introduced bills and resolutions first go to committees that deliberate, investigate, and revise them before they go to general debate. The majority of bills and resolutions never make it out of committee. [Last Updated: Sep 11, 2009 8:29AM]*

**Summary of what the Bill asks for:**

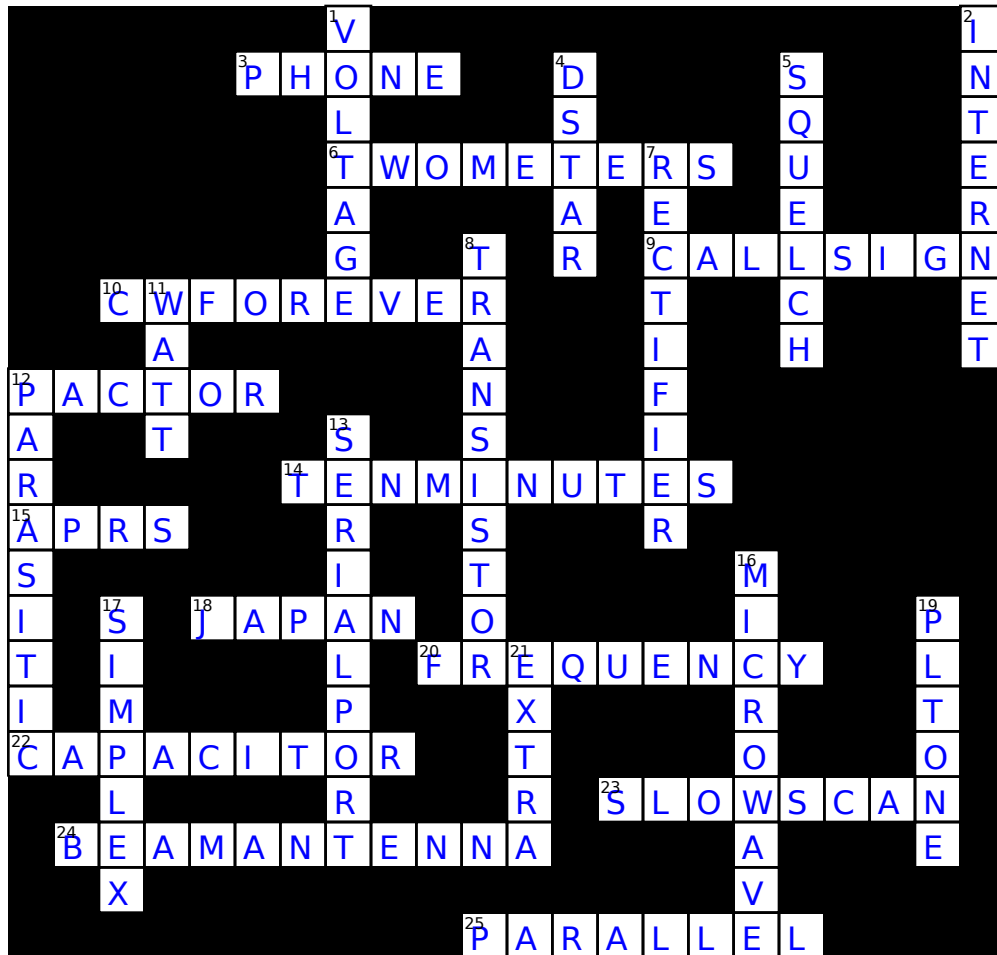
*Amateur Radio Emergency Communications Enhancement Act of 2009 - Directs the Secretary of Homeland Security to:*

- (1) study the uses and capabilities of amateur radio communications in emergencies and disaster relief;*
- (2) use the expertise of the American Radio Relay League in the study;*
- (3) report to Congress.*

***The ARRL is encouraging all HAMS to write to their local representative and offer support for this important Amateur Radio Bill. A sample letter is available at the following web link:***

**<http://www.arrl.org/news/files/DearMemberOfCongressHR2160.doc>**

# Ham Trivia



## Across

- 3 Mode to describe voice transmissions over the radio
- 6 Popular ham band
- 9 How we identify each other over the air
- 10 WA6OWM's tag line during club introductions. Hint: His favorite mode and how long he intends to use it
- 12 Protocol to transfer files over amateur radio
- 14 You must identify yourself at least once during this time period
- 15 Transmits GPS position
- 18 This country invented the standard for DSTAR
- 20 Term for number of times per second alternating current flows back and forth
- 22 Electronics circuit used to store energy
- 23 Send still pictures over the air
- 24 Concentrates radio signals in one direction
- 25 Capacitance increases in this circuit

## Down

- 1 Common name for Electro-Magnetic Force
- 2 Echolink relies on this to transmit information between stations
- 4 Digital voice over amateur radio
- 5 Mute static noise
- 7 AC to DC circuit
- 8 This component has a base, collector and an emitter
- 11 This unit describes electrical power
- 12 Stand alone antenna elements
- 13 Computer device used to program radios
- 16 1.2 GHZ, 2.4 GHZ for example
- 17 Communicating on same frequency
- 19 Repeaters use this to mask unwanted communications
- 21 Highest ham license

## SBARC CONTEST CALENDAR FOR SEPTEMBER 2009:

DATE	WEEKDAY	TIME UTC	CONTEST NAME	MODE
11-13	Fri	0000 - Sun 2400	Get Your Feet Wet Weekend	CW
11-12	Fri	2000 - Sat 0200	(Your LOCAL time) J.H. Mem. 80m Spr.	PSK31
12-13	Sat	0000 - Sun 2359	Worked All Europe DX-Contest	SSB
12	Sat	1300 - 1859	Swiss HTC QRP Sprint	CW
12-13	Sat	1400 - Sun 0600	Arkansas QSO Party (1)	CW/Digital/SSB
12	Sat	1600 - 2400	Ohio State Parks On the Air	All
12-14	Sat	1800 - Mon 0300	ARRL September VHF QSO Party	All
12-13	Sat	1900 - Sun 0400	QRP ARCI VHF Contest	All
13	Sun	0000 - 0400	North American Sprint Contest	CW
13	Sun	1500 - 2400	Arkansas QSO Party (2)	CW/Digital/SSB
17	Thu	0030 - 0230	NAQCC Straight Key/Bug Sprint	CW
18	Fri	0230	SBARC Club Meeting <<Note Sept 17 - Thu 19:30 hrs PDST>>	
19-20	Sat	1200 - Sun 1200	CIS DX QPSK63 Contest	QPSK63
19-20	Sat	1200 - Sun 1200	The 51st Scandinavian Activity Contest	CW
19-20	Sat	1300 - Sun 2100	South Carolina QSO Party	All
19-20	Sat	1500 - Sun 0300	QRP Afield	All
19-20	Sat	1600 - Sun 0700	Washington Salmon Run (1)	CW/Digital/SSB
19	Sat	1700 - 2000	Feld-Hell Club Sprint	All
19-20	Sat	1800 - Sun 1800	QCWA QSO Party	All
20	Sun	0000 - 0400	North American Sprint Contest	SSB
20	Sun	1600 - 2400	Washington Salmon Run (2)	CW/Digital/SSB
21	Mon	0100 - 0300	Run For The Bacon QRP Contest	CW
23	Wed	0000 - 0200	SKCC Straight Key Sprint	CW
23	Wed	1900 - 2030	RSGB 80 m Club Sprint	CW
26	Fri	0230	SBARC 222Mhz Net 224.380Mhz	FM
26-27	Sat	0000 - Sun 2400	CQ WW RTTY DX Contest	RTTY
26-27	Sat	0300 - Sun 0300	JLRS Party Contest	Phone
26-27	Sat	1200 - Sun 1200	The 51st Scandinavian Activity Contest	SSB
26-27	Sat	1400 - Sun 0200	Texas QSO Party (1)	All
27	Sun	0600 - 1000	ON Contest 6m	CW/Phone
27	Sun	1400 - 2000	Texas QSO Party (2)	All
28	Mon	0000 - 0400	Fall QRP Homebrewer Sprint	CW/PSK31

October 2009

3- 4 Sat 1600 - Sun 2159 2009 California QSO Party (CQP)

### CLUB SERVICES:

License upgrades and / or new license testing  
 VE Sessions are held the 2nd Saturday of every even month  
 Need to sell something at the Swap Meet?  
 ARRL Membership renewals or new registration  
 Club Name Badge / Jackets

### CONTACT:

Joe, WB6MYD  
 Joe, WB6MYD  
 Joe, WB6MYD  
 Joe, WB6MYD  
 Joe, WB6MYD

### POSITION:

Secretary / Treasurer  
 Secretary / Treasurer  
 Secretary / Treasurer  
 Secretary / Treasurer  
 Secretary / Treasurer

Club Operation / Club Activities  
 Need something posted on the web site, or newsletter?  
 Ideas for Club Speakers, Field Day Planning  
 Health & Welfare  
 Upcoming Club Events

Alex, KD6LPA  
 Alex, KD6LPA  
 Rich, KG6JKJ  
 Matt, N6MDC  
 Nancy, NJ6S

President  
 Editor / Webmaster  
 Vice President  
 Council Member  
 Council Member

If you have questions about your ham equipment, please feel free to ask any of our club members for help. Or, if you'd like, please talk to any council member, and we'll do our best to help you.

"Elmering" is available to every member, please ask any officer, and we will find a knowledgeable club resource for you.

You're a member of one of the best clubs in the area, and we want your help to make it even better. If you have a suggestion or an idea for improvement, we want to hear from you. Please feel to contact any council member by phone or email.

## Set your Calendars for the California QSO Party;

Begins: 1600 UTC - 3 October 2009

Ends: 2200 UTC - 4 October 2009

The California QSO Party (CQP) is the premier state QSO party held every year on the first weekend of October. The Northern California Contest Club (NCCC) has sponsored CQP since 1974. Stations outside of California, worldwide, work stations in California only. The 58 counties of CA are the multipliers. California stations work all stations in or out of CA. The 50 US states and 8 Canadian provinces are the multipliers. Stations outside of Canada and the US add to one's QSO total but do not count as multipliers. See the full set of CQP Rules <http://www.cqp.org/>

EXCHANGE: California stations send QSO number and county

Stations outside of California send QSO number and State, Canadian area, or Country

California stations must log the complete exchange, including county even though they all count as "CA" in multiplier.

Multipliers: California Stations count U.S. states (50) and Candian areas (8): QC, ON, MB, SK, AB, BC plus MR (NB, NL, NS, PE) and NT (NT, NU, YT). Log "DX" contacts as DX. Maximum of 58 multipliers. Non-California Stations count California counties for a maximum of 58 multipliers.

SCORE: The total score is the total of QSO points multiplied by the total number of multipliers (58 maximum).

FREQUENCIES: 160, 80, 40, 20, 15, 10, 6 and 2 meters. (WARC band contacts do not count.)

Suggestions:

CW on 1815 and 40 kHz up from the band edge. Try CW on the half hour.

Phone on 1845, 3850, 7230, 14250, 21300, 28450. Try Phone on the hour.

Try 160 at 0500 UTC, 80/75 at 0300 and 0700 UTC.

VHF: Look for 2M FM activity on 147.54 mHz

For 6M and 2M SSB/CW, first try 50.135 and 144.210, if no activity,

make a short call on 50.125/144.200 and then QSY back. Rally at 2000 and 0400 UTC.

Miscellaneous: Only one county per exchange, California stations that change counties are considered to be a new station and may be contacted again for point and multiplier credit. Single-Operator entries limited to 24-hours maximum. Time off must be a minimum of 15-minutes and clearly marked in the log. Multi-Operators entries may operate the full 30-hours. Low Power is all transmitter output less than 200 watts. QRP is all transmitter output less than 5 watts. Stations may be worked only once on CW and once on Phone per band. All CW contacts must be made outside the Phone sub-bands except for 160 meters and VHF. MCW is not permitted. All contacts must be Simplex. Mobile is a station that is self-contained, capable of legal motion (land, water, or air) while operating, motion optional. A County Expedition is an operation from a temporary location using temporary antennas installed for the contest period and using temporary antenna supports. A Novice/Technician entry must use a Novice/Technician call sign and operate exclusively within the Novice/Technician bands. Club members can submit their logs for the club competition. Entries must be postmarked no later than November 15, 2009

Free Logging Software: For free CQPWin logging software, please visit the CQP web site: <http://www.cqp.org/Software.html> or for a free copy of CQPWIN 11.0, goto <http://www.cqp.org/Software-AE6Y.html>

WA6OWM

Final and complete rules are available at <http://www.cqp.org/Rules.html>

**NOTES FROM THE SECRETARY JOE-WB6MYD**  
**e-mail address - jlanphen@ca.rr.com· 310-328-0817**



1. **New Member:** We are happy to welcome Thomas-KG6SFR, Gen. licensee to the SBARC. Thomas is interested in HF, VHF, UHF, Packet, Computers, Antenna/Propagation and the club repeater. He also indicates wishing to participate in the 220 repeater Net, VE volunteer sessions and club meetings. Thanks for joining us Thomas, and welcome!



2. **Name badge:** Please let me know if you're interested in the club type name badge. I have an order for 2 but need at least one more to place this with the Name badge people. The cost is \$10.

3. **Health and Welfare:** If you or anyone close to you is having health or other problems, we want to help and let that person know we care. We can send greeting cards, flowers, and encourage club members to call to wish that person well. Please contact Council Member #1, Matthew—N6MDC.

4. **Attendance Drawing:** Melody Colbert - KI6SPA name was drawn at the August meeting. Unfortunately, Melody was not present. The kitty for the September meeting will be 25 dollars.

5. **Mitrek Radios:** We are asked to pick up a number of these Motorola Mitrek radio's which are 4 channel, 110 watt 29.7 – 60 Mhz radio's. They will need a little modification to operate in our 6m band. All specs are available including the mods needed for our use. If you're interested, please let me know.

6. **Meeting location:** As a reminder, the September 17 meeting will be in the Health Conference Center, Room 1.




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**The Health Conference Center is adjacent to the multi-story parking lot -- facing south.**

**Room 1 is on the first floor. Go thru the double doors and veer to the left. See ya there!**

**CLUB OFFICERS FOR 2009:**

**President, Alex Marko - KD6LPA**  
**kd6lpa@socal.rr.com - 310-530-6614**

**Council Member #1, Matthew Cruse - N6MDC**  
**310-374-5696**

**Vice-President: Richard Whited - KG6JKJ**  
**rbwhited@yahoo.com - 562-756-7103**

**Council Member #2, Nancy Klatskin - NJ6S**  
**nklatskin@verizon.net - 310-540-3253**

**Secretary/Treasurer, Joe Lanphen - WB6MYD**  
**jlanphen@ca.rr.com or w6sba@arrl.net - 310-328-0817**

**Past-President, Ed Hinz - KN6JN**  
**kn6jn@aol.com - 310-325-7944**

## CALENDAR

**Council Meeting** - 1st Wednesday of the month  
Call Joe - WB6MYD (310) 328-0817

**Club Meeting** - 3rd Thursday of the month  
**September 17, 2009 7:30 p.m.**  
Torrance Memorial Medical Center  
**Health Conference Room 1**

**Club Nets** - **W6SBA WEEKLY NET**  
Every Thursday @7:30pm  
(except the night of club meetings)  
**PVUSD EMERGENCY NET**  
1st Tuesday of the month  
09:30 Hours on the W6SBA repeater

**TRW Swap Meet** Saturday, Sep 26, 2009 7-11:00 a.m.

**VE Session** - October 10, 2009  
West Tower, 2nd Floor, Room "A"  
Contact: Joe WB6MYD  
Phone: (310) 328-0817  
jlanphen@ca.rr.com or w6sba@arrl.net

**Social Event** - 2nd Saturday, October 10, 2009, 12pm  
Billy's Deli  
5160 W. 190th Street, Torrance CA

## CLUB SERVICES

Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Matthew - N6MDC
Swap Meet Chair	Joe - WB6MYD
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Webmaster	Alex - KD6LPA
Editor	Alex - KD6LPA
Proofreader	Nancy - NJ6S

### South Bay Amateur Radio Club Repeater

224.38 MHz ·PL - 192.8 Hz Offset -1.6 MHz  
(See Calendar for Weekly Net Times)

### NEWSLETTER SUBMISSION

South Bay Amateur Radio Club  
P.O. Box 536  
Torrance, CA 90508  
W6SBA@arrl.net  
Website: <http://www.w6sba.org>

TO:

Address Correction Requested

*A COMMUNITY SERVICE ORGANIZATION*

W6SBA

South Bay Amateur Radio Club  
Post Office Box 536  
Torrance, CA 90508-0536

