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

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:

<table>
<thead>
<tr>
<th>DATE</th>
<th>WEEKDAY - TIME UTC</th>
<th>CONTEST NAME</th>
<th>MODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-13</td>
<td>Fri 0000 - Sun 2400</td>
<td>Get Your Feet Wet Weekend</td>
<td>CW</td>
</tr>
<tr>
<td>11-12</td>
<td>Fri 2000 - Sat 0200</td>
<td>(Your LOCAL time) J.H. Mem. 80m Spr.</td>
<td>PSK31</td>
</tr>
<tr>
<td>12-13</td>
<td>Sat 0000 - Sun 2359</td>
<td>Worked All Europe DX-Contest</td>
<td>SSB</td>
</tr>
<tr>
<td>12</td>
<td>Sat 1300 - 1859</td>
<td>Swiss HTC QRP Sprint</td>
<td>CW</td>
</tr>
<tr>
<td>12-13</td>
<td>Sat 1400 - Sun 0600</td>
<td>Arkansas QSO Party (1)</td>
<td>CW/Digital/SSB</td>
</tr>
<tr>
<td>12</td>
<td>Sat 1600 - 2400</td>
<td>Ohio State Parks On the Air</td>
<td>All</td>
</tr>
<tr>
<td>12-14</td>
<td>Sat 1800 - Mon 0300</td>
<td>ARRL September VHF QSO Party</td>
<td>All</td>
</tr>
<tr>
<td>12-13</td>
<td>Sat 1900 - Sun 0400</td>
<td>QRP ARCI VHF Contest</td>
<td>All</td>
</tr>
<tr>
<td>13</td>
<td>Sun 0000 - 0400</td>
<td>North American Sprint Contest</td>
<td>CW</td>
</tr>
<tr>
<td>13</td>
<td>Sun 1500 - 2400</td>
<td>Arkansas QSO Party (2)</td>
<td>CW/Digital/SSB</td>
</tr>
<tr>
<td>17</td>
<td>Thu 0030 - 0230</td>
<td>NAQCC Straight Key/Bug Sprint</td>
<td>CW</td>
</tr>
<tr>
<td>18</td>
<td>Fri 0230</td>
<td>SBARC Club Meeting</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>CONTACT:</th>
<th>POSITION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>License upgrades and / or new license testing Joe, WB6MYD</td>
<td>Secretary / Treasurer</td>
</tr>
<tr>
<td>VE Sessions are held the 2nd Saturday of every even month Joe, WB6MYD</td>
<td>Secretary / Treasurer</td>
</tr>
<tr>
<td>Need to sell something at the Swap Meet? Joe, WB6MYD</td>
<td>Secretary / Treasurer</td>
</tr>
<tr>
<td>ARRL Membership renewals or new registration Joe, WB6MYD</td>
<td>Secretary / Treasurer</td>
</tr>
<tr>
<td>Club Name Badge / Jackets Joe, WB6MYD</td>
<td>Secretary / Treasurer</td>
</tr>
</tbody>
</table>

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<tr>
<th>CONTACT:</th>
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</thead>
<tbody>
<tr>
<td>Club Operation / Club Activities Alex, KD6LPA</td>
<td>President</td>
</tr>
<tr>
<td>Need something posted on the web site, or newsletter? Alex, KD6LPA</td>
<td>Editor / Webmaster</td>
</tr>
<tr>
<td>Ideas for Club Speakers, Field Day Planning Rich, KG6JKJ</td>
<td>Vice President</td>
</tr>
<tr>
<td>Health &amp; Welfare Matt, N6MDC</td>
<td>Council Member</td>
</tr>
<tr>
<td>Upcoming Club Events Nancy, NJ6S</td>
<td>Council Member</td>
</tr>
</tbody>
</table>

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 exopy of CQPWIN 11.0, goto http://www.cqo.org/Software-AE6Y.html

WA6OWM

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

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**CLUB OFFICERS FOR 2009:**

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

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

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

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

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

- **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

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