



October 2013



ARCO *vet*

A Community Service Organization Dedicated to Amateur Radio Since 1970

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2013

Jamboree-on-the-Air

E-mail: W6SBA@arrl.net



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

President's Message

Hello W6SBA,

As you know, our next big event will be JOTA (Jamboree On the Air) - Saturday, October 19th (2 days after our October club meeting). As discussed earlier, JOTA is an important event for our club to demonstrate amateur radio to the younger generation. JOTA is similar to Field Day in that Boy Scouts are encouraged to contact as many stations as possible via amateur radio. This year will be operating at the Cabrillo Youth Center in San Pedro. We will NOT be using any of the large Yagi antennas like we do during Field Day. Instead we will be using an end fed dipole which will be connected to a vertical fiberglass pole. For VHF/UHF, we will have a simple vertical antenna. Station set up will be minimal. All we really need to bring are the radios and computers. The scouts will be supplying electrical power and access to the facility rooftop - which simplifies our set-up requirements.

The Cabrillo Youth Center is a really nice place to operate. We'll have plenty of tables and chairs, convenient restrooms down the hall, no stairs to climb, and shelter from the sun. The club has committed to support this event for 12 hours on Saturday (9am - 9pm). We're organizing 2 shifts throughout the day (9am-3pm, 3pm to 9am) to make it easy on everyone.

I want to emphasize the importance of participation in this event. Amateur Radio needs more young people in its ranks, so when opportunities like this one come by where we can advertise and demonstrate our hobby to a younger audience, each of us needs to invest time and effort to make this event a success. I think the greatest need for support will be during the afternoon hours from 12-6pm. Please contact Joe to sign up and support this very important event!

CLUB INVENTION CONTEST:

As you know, our annual invention content will be held during the November club meeting. Any kit you put together, homebrew invention, or even software development (related to amateur radio) is welcome and eligible for winning a prize. Last year's contest was a huge success, and I look forward to seeing what innovative ideas spring forth this year! Did I mention there's money involved? Yes, there will be cash prizes for the winner in each category. Please contact Alan (our Past President) for more information.

CLUB ELECTIONS:

We will also be hosting our annual elections at the November club meeting. We do have a few vacancies on the council to fill this year, so if you are interested in serving on the council, we welcome any member interested to run for a position. The club By-laws state that applicants must be a member for at least 1 year before they are eligible to hold a club office. Please consider running! New ideas from new people are welcome and also help the club grow in new directions. If you're interested in running, please contact

CLUB OFFICERS FOR 2013

President

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

Vice-President

Ray Grace - WA6OWM
wa6owm@arrl.net - 310-370-1913

Secretary/Treasurer

Joe Lanphen - WB6MYD
jlanphen@ca.rr.com or w6sba@arrl.net
(310) 328-0817

Activities Council Member

James Murakami - KI6UPL
katsu442@yahoo.com - 310-480-7794

Events Council Member

Paul Avery - KK6BY
pravery@pacbell.net - 310-676-0212

Information Council Member

Bruce Jackson - KK6BJ
bjackson@ucla.edu - 310-372-1156

Past President

Alan Parks - KG6ZPL
thermic72@sbcglobal.net - 310-558-8718

56th Annual

Jamboree on the Air

October 19-20, 2013

Los Angeles Area Council, BSA

24 Hour Event from 9:00am Saturday - 9:00am Sunday

Cabrillo Youth Center - 3000 Shoshonean Rd., San Pedro, CA



JOTA 2013 and the South Bay Amateur Radio Club

Special Event Call Signs: Cabrillo-N6B

JOTA 9:00AM to 9:00PM Saturday

Team 1 (Starts- 9:00AM)	Team 2 (Starts-3:00PM)	Team 3 at Home
Setup	Teardown (about 8:30PM)	Monitor W6SBA/R and HF Spotters JOTA

Station 1	40-6M Phone/CW/Digital
Station 2	VHF (224.380MHz)
Station 3	Internet JOTA-365

SBARC Contacts: KD6LPA, WB6MYD
PVARC/BSA Contact: KI6KUK

Other local JOTA Stations: USS IOWA-K6B & Firestone-W6B

For more information: <http://www.arrrl.org/jamboree-on-the-air-jota>

Jamboree-on-the-Air Information

The Jamboree-on-the-Air, or JOTA, is an annual Scouting event that uses amateur radio to link Scouts around the world, around the nation, and in your own community. Held on the third full weekend of October each year, this worldwide jamboree requires no travel, other than to a nearby radio amateur's ham shack. Many times the hams will come to you by setting up at a Scout camporee, or perhaps they already have a ham shack at your council's camp. There are many ways to get your Scouts involved in JOTA.

Scouts of any age can participate, from Cub Scouts to Boy Scouts and Ventures. Once at the ham radio station, the communication typically requires speaking into a microphone and listening on the station speakers. However, many forms of specialized communication can also take place, such as video communication, digital communication using typed words on the computer screen transmitted by radio, communication through a satellite relay or an earth-based relay (called a repeater), and many others. The exchanges include such information as name, location (called QTH in ham speak), Scout rank, age, and hobbies. The stations you'll be communicating with can be other Scouts across town, across the country, or even around the world! The World Scout Bureau reported that the 2012 JOTA had nearly 700,000 Scout participants from more than 13,500 amateur radio stations! A participant patch is available, as is a certificate/log sheet that can also be used to fulfill a Radio merit badge requirement.

This a copy of the information on JOTA right from the BSA Website. www.scouting.org/jota.aspx

We should be proud to be part of this and as all of you know, we once again have been asked to be part of this. Last year we did it for the first time from the USS Iowa anchored in San Pedro. This year we've been asked to support the JOTA activity from the Cabrillo Youth facility in San Pedro. As always we need to have support for this to happen. We will operate from 0900 hrs till approx. 2100 hrs on Saturday October 19, 2013.

We intend to set up at least 2 stations, HF using an end fed vertical and VHF/UHF. We also intend to use Echolink and whatever else we can find.



This month's Arc Over is available a little earlier so you all can see what we're doing. Please call us with your support. Let us know what you want to do (stay at home and be available on VHF/UHF or HF for contacting purposes) OR come on over to the Cabrillo Center to help us out. We are in the process of setting up a schedule so all of us can support this with a minimum fuss and time of course. Be sure to attend the meeting on Oct. 17th for all the latest details.

The ARRL website has a lot of information on JOTA also including the frequencies, rules and regulations. Just search for JOTA on the ARRL web site.

Call Alex-KD6LPA or Joe-WB6MYD 310-328-0817 or jlphen@ca.rr.com.

Frequencies to look at for JOTA:

- 40m 7.190LSB Ph 7.030CW 2m 147.540
- 20m 14.290USB Ph 14.060CW 147.480
- 17m 18.140USB Ph 18.080CW 147.510
- 15m 21.360USB Ph 21.360USB 1.25
- 224.38R 12m 24.960USB Ph 24.910CW
- 224.38S 10m 28.390USB Ph 28.180CW
- 6m 50.160USB/CW Echolink to KJ6JJ-R and JOTA 365.

NOTE: While checking W6SBA-R access from the Cabrillo site found another open repeater on our frequency further South. I am trying to determine whether we will use our frequency at this point.

NOTE: Echolink. If unable to use our repeater we might have to rely on Wi Fi connection.

NOTE: No cost to support us at the Cabrillo Youth facility. We will likely be provided with dinner Saturday night if we let them know as to how many to expect. Joe-WB6MYD 310-328-0817 or jlphen@ca.rr.com

Digital Communications Conference Debrief

From Bruce KK6BJ

The 32nd annual ARRL and TAPR digital communications conference was held in Seattle 20-22 September in Seattle, WA and was a great success with 175 attendees, home of Microsoft, 5 coffee houses on each corner, home of fine weather and wonderful people. About half were from out of state with 15 Dx countries represented.

Many new and old things surfaced.

Bob Frohne KL7NA gave a 4 hour presentation on Android programming and how to use a free discarded cell phone or \$69 Fry's tablet to control about anything. We learned how to make apps and debug this very friendly C+ based program.

Most of the audience was programmer versed and thought it was cool

John Hansen W2FS showed us how to program Rasberry Pi and interlink it with Arduinos, also making it seem easy and noted full price is about \$30 including shipping, about half a tank of gas for a small green friendly Seattle car and noted we can get very cheap 5-7 inch monitors from the dashboards of junked cars-used to monitor the backup cameras, etc.

Tom van Baak-non ham gave a spellbinding talk titled "passion and Precision: Adventures of a time nut". He is a physicist who shares his home with 3 kids, 2 dogs, a VERY patient RN-XYL and 12 atomic clocks.

A mention was made of Saint Maximilian Kolbe SP3RN(sk) who was martyred in 1941 and is the patron saint of ham radio operators and political prisoners. (Most of us reported being unaware of having a patron saint of ham radio)

Erik Westgard NY9D gave a terrific presentation on applications and infrastructure of marathon support. He has been in charge of ham radio support for the Minneapolis Medtronic Marathon for many years and had many insights into the role of ham radio support, especially in the aftermath of the tragic Boston Marathon bombings.

Next years meeting will be held in Austin Texas.

(This meeting was very special for us since we had a chance to visit and bond with our first great grandson, Greyson Kim who seems to have all the makings of a future radio operator already.)

JOTA 2013 Logo & Theme

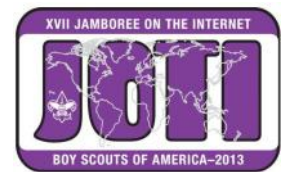


This year, WOSM organized a Logo Contest again to choose the official logo of the JOTA-JOTI 2013. The winning logo is designed by Mark Tan from Malay-

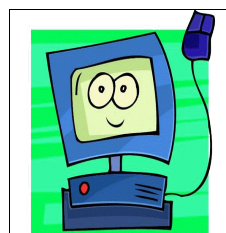
This years theme is "Let's Share".

17TH ANNUAL JAMBOREE-ON-THE INTERNET

JOTI, JOTA's younger brother, uses the Internet to allow Scouts to "meet" other Scouts from around the world and share more information than just "Hi." The exchanges can include such information as name, location of event, Scout rank, age, and hobbies. Some exchanges lead to long-lasting friendships.



The Jamboree-on-the-Internet, or JOTI, is an annual Scouting event sponsored by the World Organization of the Scout Movement. This event utilizes the Internet and the numerous devices that are used to get online, from your home computer to iPad tablets, to link Scouts from around the world. Last year, JOTI had almost 16,000 Scouts and leaders registered in the worldwide JOTA-JOTI database in 146 countries!



Scouts of any age can take part, from Cub Scouts to Boy Scouts and Venturers. Scouts can participate at home with the help of an adult, or they can participate in a Scout group at a council wide event. JOTI is an economical way of communicating around the world. The event allows Scouts to "meet" other Scouts from around the world through the Internet and share more information than just "Hi." The exchanges can include such information as name, location of event, Scout rank, age, and hobbies. Some exchanges lead to long-lasting friendships. Another great idea is to use JOTI participation to help fulfill a Citizenship in the World or Computers merit badge requirement!

October 17th Presenter Ham Radio Cruises

SBARC General Membership meeting -
October 17, 1930-hrs

Location: Torrance Memorial Medical Center

West Tower, 2nd Flr., Room A (Enter from Hos-

WALT ORDWAY, K1DFO

Walt was raised in Manchester New Hampshire and got his ham radio license in 1957 when he was in high school. He went to college and got a BS and MS in Electrical Engineering.

He came to California in 1967 to work for the Hughes Aircraft Company. He was in the aerospace segment of Hughes for 20 years and in the satellite segment of Hughes for 10 years. During his last years at Hughes, he was a Vice President of Engineering at DirecTV. He retired from Hughes in December 1997, after 30 years of service.

In 2002 he got hired by the 7 major Hollywood movies studio into a company they created called Digital Cinema Initiatives (DCI). Walt was the CTO of DCI. They were tasked to create the specification for movies to be shown in theatres in a digital format. That digital format would replace over a 110 years of using film to show movies in your local theaters. They finished that specification in 2005 and the historic conversion of movie theaters from film to digital is now almost completed worldwide.

In the world of ham radio, Walt teaches Technician and General course 4 times a year. Walt also has a few Worked All Counties awards. Finally, Walt loves to go on ham radio cruises. So, we've asked him to give us a presentation on the last ham radio cruise he went on in February of 2013.

Please Join Us!



The fall season starts the new contest year and demonstrates how propagation works from the Northern Hemisphere. Contest season starts in October with domestic and international activities. Starting with the California Qso Party and continuing for the next six months are the CQ World Wide (CQWW), ARRL Sweepstakes (ARRL SS), ARRL 10 Meter and 160 Meter contests. In January we have the ARRL VHF contest followed by the ARRL DX Phone and CW contests as well as the CQ WPX contest. And many State QSO Parties as well as digital contests. There is plenty of on-the-air activities. The fall and winter seasons will also see a number of DX Pedetions active from warmer parts of the world. As an ARRL Member, you will find a complete set of HF Propagation charts on the web in the "Members Only" section. This is a monthly predication based on Solar Flux. Check this site for the latest solar flux, <http://www.swpc.noaa.gov/ftpd/ir/latest/wwv.txt>. Here is a handy table I use to determine the "A" and "K" indies reported in the 'wwv.txt' file.

Solar-Terrestrial Data

Condition	K	A	
Quiet	0-2	0-7	< Use ARRL Proagation Charts
Unsettled	3	8-15	< Weaker signals, some QSB
Active	4	16-29	< Greater Receiver noise and fading
Minor Storm	5	30-49	< Watch for sudden shortwave fading
Major Storm	6	50-99	
Severe Storm	7-9	>100	

Crowded band conditions or QRM from contests. Remember to look one band up and one band down from the prediction charts. Join in to the fun during a contest. Practice your receiving skills and observe the propagation conditions. If the bands becomes too crowded during the contest, check the WARC bands, 30M(CW Only), 17M and 12M. Remember 60M and 6-Meters Operate the new "Weak Signal Modes", JT65, JT9 and WSJT. Use the DX Spotting network for band and country clues. There is now a large CW spotting system called an 'Reverse Beacon Network'. Here SDR receivers connected to the internet report CQ signals 24-hrs a day. For the digital operator, there are several Ham Spots networks. Most will report calls and signal levels on all bands from VLF to SHF.



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

1. Attendance drawing: Yes we had a winner this time. Bill-KQ6Z was the lucky winner and present to collect the 25 dollar kitty. Congratulations Bill. Next month will be 20 dollars.
2. Thanks: We wish to thank Arnie-N6HC for his excellent presentation on the NH8S-Swains Island DXpedition 2012 at our September 19, meeting. While these kind of DXpedition are very expensive the end result is well worth the effort. Over 100,000 contacts were made over a 6 day period or more during the actual operations. Travel time and such adds a week or more. Good stuff to hear, thank you Arnie.
3. Question of the month: It seems that this suggestion by Joe has taken off. A report on the results will be added to the Arc Over for October. The idea is for someone to pose a question in the present month's Arc Over which is to be discussed at the next club meeting.
4. JOTA: I would like to ask for your support in this annual activity, it is such a worthwhile event. This year we're asked to support the BSA JOTA at the Cabrillo Youth Center in San Pedro. While it is a 48 hour event on October 18-20, 2013 we are asked to support this from 0900 to 2100 hrs on Saturday Oct. 19th. We are trying to set up a schedule for members to directly support us at Cabrillo or from your house. It is our plan to impress the boys with our expertise in having them communicate with other boys scouts all over the world. We intend to use HF, VHF/UHF as well as digital modes and also echolink. Please be part of this if at all possible. Let Alex or myself know when and or how we can count on this please. Several other items are being presented in this month's Arc Over RE JOTA so please check it out.
5. Elections: As I have so often expressed to you all that the SBARC is your club and it is what you make of it. Each and every member is what makes this club tick and so we have come once again to the point of having to elect new officer for next year. 2 of our present Council members have expressed due to family matters and other personal time requirements not to run for the positions held by them. We hope that therefore 2 new members will step up to the plate and not only will give us fresh new idea's but also will continue to support our goal as being the best club in the area for Amateur Radio. Actually, we really should ask if you feel you can contribute to the club let us know please. Your support with all your expertise is needed. We thank everyone on the present Council for all their hard work having made this a successful year (not finished yet). You can make your choice known for the position which you want to accept but realize that we need to work as a team to achieve success. Thank you.
6. Question of the month: Last month the question "What can we do to help you join us on Echo Link?" Several members asked for help to do just that and they are receiving the assistance needed to do that. Jerry-KJ6JJ had added an article about Echolink explaining it all at the same time so again if you need or would want some help well please let us know. This feature is especially great for people going or being out of town and staying in touch with us. So again please let us know if you need help with this. We have another "Question of the month" for this month.

"Question of the Month"

What would you like us to do for the 2013 Holiday Party? Yes , I would like for you to tell us what it is you would want us to do for our annual Holiday Party? As you know in the past we have our "Pot Luck ", Installation of the new Officers as well as the awards for the December meeting. If you had a choice would you want us to do something different? We will take a few moments at some point at the meeting to ask you for your suggestions, recommendations or preferences. Please be open minded and honest about this.

CALENDAR

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

Club Meeting - 3rd Thursday of the month
October 17, 2013 - 7:30 p.m.
Torrance Memorial Med Center
West Tower, Room A

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,
October 26, 2013, 7-11 a.m.

VE Session - Contact: Joe WB6MYD
Phone: (310) 328-0817
jlanphen@ca.rr.com or w6sba@arrl.net

Social Event - Contact: Joe WB6MYD
Phone: (310) 328-0817
jlanphen@ca.rr.com or w6sba@arrl.net

CLUB SERVICES

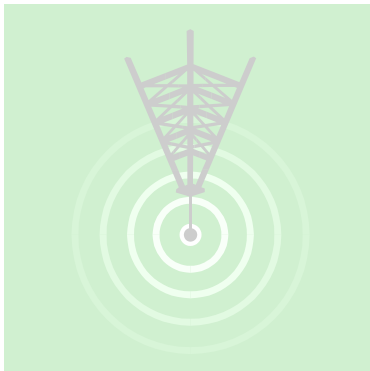
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Joe - WB6MYD
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Webmaster	Alex - KD6LPA
Editor	Glenda - KF6QFE
Proofreader	Alex - KD6LPA

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

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