



January 2016

ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

In this issue:

- ◆ President's Message
- ◆ Speaker of the Month
- ◆ Quiz Column
- ◆ Preliminary CQ World Wide Survey Results
- ◆ AO-85 Slow Scan TV Image Likely a Prank
- ◆ Hedy Lamarr
- ◆ Yuma Hamfest
- ◆ IARU Praises WRC-15
- ◆ Straight Key Night
- ◆ Redesigned FCC Website
- ◆ Notes From Joe



E-mail: W6SBA@arrl.net



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

Hello to all and welcome to a new year for the SBARC! During recent Council meetings we have already had discussions regarding club activities for 2016. Of course we have our principal activities: Field Day, the Torrance Armed Forces Day Parade, and JOTA, the Boy Scouts Jamboree on the Air. In addition to this we are hoping to have the following:

- i) A club DIY project which will most likely be a QRP transceiver or transmitter;
- ii) Some form of Morse code learning sessions;
- iii) Probably two picnics with operating and/or fox hunts;
- iv) Bruce, KK6BJ, and Tom, KI6RC, are having another Balloon launch;
- v) A club operating activity related to the ARRL's national Parks on the Air program;
- vi) Some other form of operating activity.

For the year, the club's emphasis is going to be on home brew or do it yourself (DIY) and on Morse code operating. Field Day is going to be a particular challenge as we are having to reassess what we are capable of doing. Most of us are getting too old to continue putting up four push-ups along with their antennas. We are looking at the use of more easily erected vertical antennas and the use of our Buddy-Pole antenna for HF. We are still thinking about what to do with the VHF and UHF antennas. Another Field Day challenge is getting members to actually sit down at a Field Day radio and operate. Part of the problem is our age but part also seems to be indifference.

We are planning to be more aggressive with our "Elmering" this year. We are working on providing a list of people that you can contact for help with specific problems such as DIY, antennas, or Arduinos. We also need input from you, the members of our club. What do you want us to do? What activities interest you? What would you like to build? The Council would like the club to be responsive to your needs but we can't do it without your help.

As most of you know, the Council is again one person short of our full complement of seven. This isn't a lot of people to put on all of these activities as well as putting on eleven general meetings, a Holiday Party, and a monthly newsletter. Suggestions for meeting topics are welcomed. We do have the assistance of Glenda, KF6QFE, who edits our newsletter and Scott, N6LEM, who is our Webmaster. Glenda can't edit the Newsletter if she has nothing to edit, so, if the urge to write a radio oriented article strikes, please send it to me and I will forward it to Glenda. If any of you have some time and would like to join us on the Council, even in an informal way, we can really use some help. Your club does not run its self and we could really use your assistance. Please think about it.

Thanks. It will be a great year. Come on out and join us. You won't regret it!

Alan, KG6ZPL



CLUB OFFICERS FOR 2016

President

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

Secretary/Treasurer

Joe Lanphen - WB6MYD
jmlanphen@gmail.com or w6sba@arrl.net
310-328-0817

Council Member

Paul - KK6BY
KK6BY@att.net - 310-676-0212

Vice-President

Bruce Jackson - KK6BJ
bjackson@ucla.edu - 310-502-0071

Council Member

Chuck Hohn - K6SCH
chohn@socal.rr.com - 310-324-9561

Past President

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



January

guest speaker

The January SBARC meeting will feature Jerry Cook, KJ6JJ, who will be giving a presentation on applications of Broadband-Hamnet to amateur radio.

His talk will focus on interlinking repurposed 2.4 GHz router units and using them to create a high speed self-linking internet of devices for amateur radio communications. He will also discuss many other hardware and software interfaces for this new and interesting digital field.

Jerry was first introduced to ham radio by his uncle Bud, W9OER-SK and shares his interest in ham radio with his son KJ6YKG, with whom he passed his General Examination on the same day.

Jerry has been a member of SBARC for several years and has served as a councilmember and directed several club projects and given several presentations with the same enthusiasm that he has for ham radio and all digital projects.

His background and full depth and breadth of computer network interfacing and RF engineering will be evident during this fascinating presentation.

New Meeting Location

**General meeting location
Health Conference Center,
Room 3**



Two new members joined last month. Jerry Shaw, KI6RRD - Extra, and his son, Jeremy Shaw, KI6USA -Tech, from Redondo Beach. Welcome to SB Radio Club!



- 1) The volume of a cube is 64. What is the sum of the lengths of all of its edges?
- 2) A ham club has three times as many phone operators as Morse Code operators. Which of the following is the number of operators in the club: 27, 28, 29, 30, or 31?
- 3) What is at the end of a rainbow?
- 4) Mary's father has 5 daughters – Nana, Nene, Nini, Nono. What is the fifth daughters name?

Answers to December's Quiz

- 1) There are 25 houses on a street. Ten of them have fewer than six rooms, ten have more than seven rooms, and four have more than eight rooms. How many of them have six, seven, or eight rooms? **10 houses have fewer than seven rooms and four have more than eight rooms. The rest, 11 houses, must have six, seven, or eight rooms.**
- 2) What is the largest number you can write using four sixes? **6exp6exp6exp 6 That is 6 raised to the 6th power raised to the 6th power raised to the 6th power**
- 3) What gets wetter and wetter the more it dries?
A towel
- 4) How many of each species did Moses take on the Ark with him? **None, Moses wasn't on the ark Noah was.**

Please send answers, questions, and comments to Alan at thermic72@sbcglobal.net

Thursday Night Net

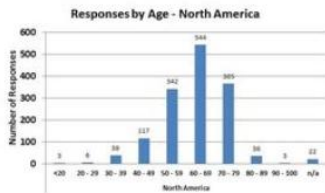
@ 7:30 p.m.



Please join us on W6SBA 224.38 minus offset and the PLat 198.2 hz you can share your experiences or just say hello!

Preliminary CQ World Wide Survey Results Suggest Contesters Trending Older

The CQ World Wide Contest Committee has posted the preliminary results of its September survey of CQ WW participants. The committee received 5117 responses from contesters around the world, the greatest number -- nearly 2600 -- from Europe. An analysis of the results showed that most survey participants were in the older age brackets and that there were not many youth participants.



The distribution by age among North American CQ WW survey respondents. [CQ graphic by Doug Zwiebel, KR2Q]

"This is especially true when we look at the age distribution in North America," said the analysis, prepared by Doug Zwiebel, KR2Q. "There is very little survey participation in North America from those under 40 years of age." More than 900 of the nearly 1500 respondents from North America were at least 60

years old, according to the survey.

CQ said the situation in Europe was "a little more optimistic," where the age curve trended about 10 years younger overall.

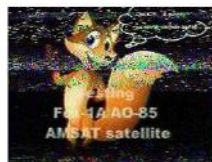
"While the missing young people could be a symptom of the survey methodology, any look around a ham radio club meeting [or] convention reveals similar findings," the survey commentary said. "Should we be concerned about the future of radiosport (and Amateur Radio)? What can we do to encourage more young people to participate?" it went on to ask. ARRL Letter 12/24/2015

AO-85 Slow Scan TV Image Likely a Prank, Not a Test

A Slow Scan TV (SSTV) image that a Brazilian radio amateur reported receiving on December 13 from Fox-1A (AO-85) was most likely a prank, not any sort of official test of the satellite's SSTV capabilities. AMSAT

Vice President for Engineering Jerry Buxton, N0JY, said the Robot 36 image, which depicted a cartoon fox and the legend "Testing Fox-1A/AO-85 AMSAT satellite," was of terrestrial origin and transmitted via the AO-85 satellite's transponder.

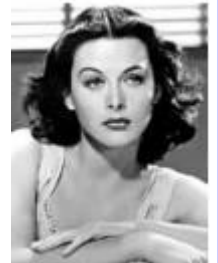
"I can tell you that in South America, they are having some fun, and that our analog-to-digital to analog IHU processing of the audio seems to work very well at SSTV frequencies!" Buxton told ARRL. "I don't know who uplinked the signal, but it was a ground-satellite-ground contact, nothing that originated on AO-85." Buxton called the prank "just a very good demonstration of the capability of the FM repeater on the Fox-1 series satellites." The FM satellite uplink is at 435.170 MHz (67 Hz CTCSS tone required). The downlink is at 145.978 MHz. Both frequencies are subject to Doppler shift. ARRL Letter 12/24/2015



The SSTV image transmitted via AO-85 and received by a Brazilian radio amateur.

Hedy Lamarr-actress and inventor of spread spectrum radio

At Pacificon in San Ramon, this last October, we were treated to fascinating presentation and shown an actual working Enigma machine from WWI. This was the object of interest in the recent movie, The Imitation game starring Benedict Cumberbatch-this will be a topic for a later article, however. This topic set the stage for further conversations (as hams are fond of doing) on the close interface between fine technology and fine acting.



My wife had just finished watching a 1942 movie starring Hedy Lammarr and William Powel, The Crossroads. For those of us who are youth challenged she was a beautiful Austrian-born actress who became a naturalized citizen after a dramatic personal and film life that would follow her through her career.

Hedy (given name was Hedwig Eva Maria Kiesler) and her husband, at the time-she married and divorced 6 times) lived next door to composer George Antheil (a German immigrant). Many of their social contacts were active in the science and military communities and they became aware that our enemies had discovered that they could jam the radio signals that guided American torpedoes to cause them to miss their targets.

She and Antheil had been working on a project for automatic control of musical instruments, they developed the idea of changing frequencies. Putting this together with torpedoes could be very beneficial, but it was too cumbersome at that time. So, their potential idea was rejected by the military until 1962 when it was finally developed for use with torpedoes, just as Antheil and Lamarr had anticipated. They credited with inventing spread spectrum with frequency hopping and a patent was issued, showing that they lived in Manhattan Beach, CA under the name of George Antheil and Hedy Kiesler Markey (her married name at the time).

They developed it by using the 88 keys on the piano and "hopping" from key to key (or frequency to frequency). This was the basis of spread spectrum communications technology used in Bluetooth, Wi-Fi, and cordless and cell phones and coordination of traffic signals. in our everyday lives. Also, in many cities, including What was the first military use of spread spectrum technology? It was used by U.S. military ships during a blockade of Cuba -- after the patent had expired. She had also patented a tablet that would dissolve in water and produce a soft drink, long before the Tang of NASA fame and the Fizzies of 1960 Happy Days fame.

Fame in the spotlight can take a sad toll, especially among the lovely and creatively brilliant. In her final years. Hedy became a recluse. She would not see people in person and would only talk to them on the phone. Even her own children were estranged and could only talk to their mother by phone. She died on January 19, 2000, at the age of 85.

My thanks to Wikipedia for allowing me to fact check and expand on this fascinating story. (Bruce, KK6BJ)

2016 SW Division Convention

Yuma Hamfest

Yuma, Arizona

Feb. 19 & 20, 2016

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona

www.yumahamfest.org

Check the Website for Additional Information

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Hamfest Dinner & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
---	---	---

Vendors & Exhibitors
Consignment Sales
License Testing
Hourly Door Prizes
On-site RV Camping
Hamfest Dinner
ARRL Speaker
Transmitter Hunt
\$5.00 Admission

Tailgating (Swap Meet)
Full Seminar Schedule
DXCC Card Checking
Incredible Grand Prizes
Emergency Preparedness
Admission Prize
Hospitality Area
Near Space Balloon Launch
Antenna Clinic

Hamfest Talk-In Frequency: 146.840 (-) PL 88.5 Hz

Email Contact: info@yumahamfest.org



We are proud to have the Amateur Radio Council of Arizona (ARCA) as a sponsor of our event.

The Yuma Hamfest is an American Radio Relay League (ARRL) sanctioned event.

Presented by the Yuma Amateur Radio Hamfest Organization



Straight Key Night- 2016- Reflections from the Veep

Happy beginning of a New Year with all of the fresh opportunities and resolutions that are part of these milestones of time.

I had the great opportunity to exchange a SKN CW QSO with Ray, WA6OWM at 0330hr UTC this January 1st. He helped me fumble my way thru a nice exchange with the traditional greetings and salutations that are the social backbone of our hobby.

20 meters had closed, my rooftop vertical had untenable high SWR, my Bencher straight key had developed an intermittent short and I had to dig out my trusty rusty J-38 that despite rocking wildly with each stroke since it was missing one of its 4 pads behaved nicely.

Though only 8 miles away Ray was using a front yard vertical Bud dipole while I was left with a rooftop NVIS dipole and I had become far rustier than I could ever remember having ever been-sort of like sending with mittens thru motor oil, Ray has a smooth fist that make CW sound like a well tuned orchestra, mine rather like kazoo street rap. .

Having said that this was and is a fun event and has filled me with a resolve to practice, practice, practice- and practice some more. Ray has offered to put together a CW net for all who are interested and we will be asking for interested participants. We have about 6 months until Field Day and another full 12 months until next Straight Key Night

73
Bruce
KK6BJ

IARU Praises WRC-15 Outcome Not to Consider Amateur Bands for Non-Amateur Satellites

The International Amateur Radio Union (IARU) has welcomed the exclusion of all existing Amateur and Amateur-Satellite frequency allocations from bands under possible consideration at World Radiocommunication Conference 2019 (WRC-19) for non-amateur satellite use. WRC-15 last month in Geneva recommended WRC-19 Agenda Item 1.7 regarding spectrum studies for short-mission satellites; it removes from consideration the Amateur-Satellite allocations at 2 meters and 70 centimeters.

"This is an excellent result for the amateur services and clearly shows that non-amateur satellite constructors need to consider spectrum other than the very limited and congested segments that are available for amateur satellites at 144 MHz and 435 MHz," said IARU President Tim Ellam, VE6SH/G4HUA. One factor the conference considered in deciding on those particular frequency ranges was that, contrary to the provisions of the ITU Radio Regulations defining the Amateur and Amateur-Satellite services, "some non-amateur satellites have used frequencies for telemetry, tracking, and command in the frequency bands 144-146 MHz and 435-438 MHz which are allocated to the Amateur-Satellite Service." ARRL Letter 12/11/2015

Redesigned FCC Website Makes it Easy for Hams to File Interference Complaints

Radio amateurs once were the target of interference complaints filed with the FCC. Now, the FCC has made it easier for hams to file their own RF interference and other complaints, thanks to a new feature of the FCC's recently redesigned website. The addition was made at the ARRL's request. Hams have always been able to file such complaints, but when a new system geared largely to consumers came online a year ago, they lost the ability to do so via e-mail to a dedicated address.

The change made it less clear how amateurs should file such complaints and what, if anything, would result. Once on the FCC site, click "File a Consumer Complaint" on the right side of the screen. The next page lists several categories. Under "Radio," click on "File Complaint." This will take you to a web form that you can fill out. The form includes a dropdown menu for the "Radio Issues" field. Pick one, such as "Interference." This will bring down another menu. The "Your Radio Method" field includes another dropdown menu. Select "Amateur Radio." Complete the rest of the form. It is possible to add attachments. Click on "Submit" to file your complaint. As they say in those late-night TV ads, "It's that easy!"

The FCC e-mail addresses for submitting complaints have been discontinued; they had been rendered ineffective by spam.

Each complaint is assigned a ticket number, and complainants receive an e-mail acknowledgment and, if appropriate, a follow-up report on what was done to address the complaint. Many complaints are simply acknowledged, however, and the complainant is told that it will be used for statistical analysis. A complainant can update a complaint with additional information.
ARRL 01/06/16



1. **Attendance drawing:** Happy New Year. The attendance drawing as we start this new year is \$ 45.00. As we all know in order for you to win this large kitty you will have to be present when your name is drawn at our January 21, 2016. All members are given a number when renewing or becoming a new member. You say ' I don't know the number ' ? Well I thought of that and therefore have marked each ticket with your name and call. So when your ticket is drawn it is really your name that we look for. Therefore, you must be a member in good standing and be present. It is as simple as that.

2. **New Meeting location:** We need to make reservations for every meeting at our favored facility of course. We are very grateful to Torrance Memorial Medical for granting us the privilege of meeting in the facility. This year, having submitted those request back in October 2015, we've been assigned the Health Conference Center Room #3 most of the time. The exception is August and December. August meeting will be in Room 1 and our December meeting will be in Room 2. Our VE sessions will be in the Health Conference Center Room # 4 except for October session which will be in the West Tower Auditorium. Don't worry we will remind you in due time when we send out the notice every month. We are lucky to have this beautiful facility to have our meetings in and we ask you to at all times respect these rooms as well as the entire campus of Torrance Memorial Medical Center. This means stopping at stop signs-DO NOT go anywhere other than the meeting locations-Clean up after yourself at all times please. Be very grateful for the privilege to meet in this beautiful facility at all times. Thank you Joe-WB6MYD.

3. **Dues:** Yes it is that time of year again to request you to renew your membership. The dues for 2016 Are the same as is the past and therefore \$ 20.00 for an individual. \$ 25.00 for a couple (same mailing address). Family membership remains at \$ 30.00, all members at same mailing address. The difference between couple and family membership is the couple membership is 2 and both members have voting privileges while the family membership is for multiple members but only one vote (you designate the voting member). So please remember membership in good standing is from January 1, 2016 to December 31, 2016 unless paid for a number of years of course. Check preferred payable to SBARC.

4. **Holiday party:** Thank you so much for those of you attending the Holiday party. it was so good to see you all and especially your family and or friends joining you. We had plenty of food and some of the most delicious dishes to make this especially fantastic. To all of you providing us these special dishes thank you so much. The ham prepared by Betty-N6VZF was fantastic, turkey provided and prepared for by the club was fantastic along with plenty of cider and all the other side dishes and desserts

(Continued pg.7)





made this one fantastic and most enjoyable holiday party. We also thank the members having brought poinsettia's, both real and artificial, making this for a very festive atmosphere as well as a great present to the hospital staff for the continued hospitality by Torrance Memorial Medical Center. We really did not lag anything all evening and I am sure everyone enjoyed this annual Social affair as well. The newly elected officers were introduced by Alan, our reelected President with the exception of Bruce-KK6BJ, our Vice President, since having to remain with his wife at home as reported earlier. Membership Certificates were handed out to our new members for 2016, Certificates of appreciation to 3 members, Jerry-KJ6JJ for his hard work with the ARRL Convention, Bruce-KK6BJ for his hard work with the 2015 ARRL Field Day and Chuck-K6CSH for his work with our JOTA event. One special Certificate of Appreciation went to Bill-AF7OO for being nominated "Rookie of the Year". Congratulations to one and all. Also, The 3 door prizes as having become customary to being handed out to 3 lucky winners; \$ 100.00 to Henrietta, little girl of Glendee and Greg Madden, \$ 50.00 went to Jim-KJ6RER and \$ 50.00 to Paul-KK6TAC. Congratulations to one and all. Joe-WB6MYD made it also a point to mention the SBARC 2015 Appreciation and Award program. Specifically wanted to bring to everyone's attention the fact in that the club while boasting 84 members had 53 member names listed on the 2015. This means that better than 63% of our members have been active in supporting club activities throughout the year. We need to recognize this that we are one of the best clubs in the area. Joe wanted to make sure that we all recognize this and to be grateful for this support and participation by so many of our members. If we can keep this up, which we hope we can, the SBARC will continue to provide all this and more to all. Thank you very much for your continued support and participation - without you we are nothing.

5. **Meeting Locations:** As I stated earlier we are assigned new meeting location within the Torrance Memorial Medical Center. All our general meeting locations are in the Health Conference Center. Room 3 is our main room. Room 1 and 2 are one only used once this year. Room 3 is right on your right as you enter. Meeting time will remain the same 7:30pm.

6. **Please update:** your information if needed. I am especially asking you to let me know if you want me to use your new email address and or phone number. It is our main means to contact you and inform you of anything we are doing for you. As we have done in the past, the new membership roster will be available after the March 2016 meeting.

7. **Reminder:** We would once again like to remind you about our equipment being available for you to use such as antenna testing or anything other project in which you want the use of analyzers. We have a COMET and MFJ analyzer. We have a 2kw generator, HF rig and even an buddy pole antenna available for your use. Please call Joe-WB6MYD for availability.

8. **Club information:** We also would like to make everyone aware of the following: If you would like a copy of the Constitution and Bylaws, name badge, club jacket, club polo shirt and anything else you would like to know from the Secretary or Treasurer please see Joe-WB6MYD. This is your club and it is all available for your asking. Any mistake of course, well see the man on the moon (not politically correct). One other issue which is if you wish assistance or guidance let us be your Elmer. This is what this is all about folks. We need to work together and help each other which is what being a member of the SBARC is all about.

9. **The W6SBA repeater:** As most of you know we have the autopatch capability on the W6SBA repeater. First let me tell you something about the repeater. The repeater belongs to 2 remaining members of the SBARC. It is dedicated to serve our club members as well as other Hams in the area if you will. We are very fortunate to be in an nice location. This is due to the fact in that we support the Palos Verdes Unified School District Emergency Communication service. During the school year mostly it uses the repeater to test their system for all the schools. As you know repeaters must be controlled at all times by FCC rules. When we lost the 220 to 222 MHZ portion of the band we lost our control function. We therefore now are forced to be connected to a phone line for control. Phone line cost money and so we not only have the upkeep but also the phone line to pay for on a monthly basis. This is where the autopatch comes in of course. Due to the popularity perhaps of cell phones and such we are cash strapped since only a few of us support this cost. If you would like to have the privilege please ask Scott-N6LEM or myself for details. We really need your help. The annual cost would be \$ 40.00 which allows you to call locally meaning 310 and I think the 213 numbers (maybe there are more). Please find it in yourself to support us by becoming a user or even donating.

10. **Club sponsor:** Our website has a sponsor. I would like to tell you about those folks, they are local. Their specialty is batteries, batteries for radio's and all kinds of other equipment except cars. They also have accessories for radio's so you might want to check this out. Click on the link as is shown on the first page of our web page. You be surprised to see all the batteries listed and if you need help well ask them. Be sure you mention the South Bay ARC of course.

11. **Hamfest's:** First Hamfest of the year (at least locally) is on Feb 19-20, 2016 is the 2016 Yuma Hamfest. It is the ARRL SW Division Convention on the Yuma County Fairgrounds in Yuma, AZ. Lots of things to see and attend. The next one is the Palm Springs Hamfest in the Palm Springs Pavilion on Saturday March 12, 2016. It is from 9:30am till 4:30pm right here in Palm Springs. For more information see me and or call of course.

12. **Happy New Year:** I wish each and every one of you and yours a blessed and Happy New Year especially as we are all getting older a HEALTHY 2016. May you be blessed with a happy healthy family, good company and prosperity for this new year upon us from us. Joe-WB6MYD.

CALENDAR

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

Club Meeting - 3rd Thursday of the month
January 15, 2016 - 7:00 p.m.
Torrance Memorial Med Center
Health Conference Center, Room 3

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,
January 30, 2016, 7-11 a.m.

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

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

CLUB SERVICES

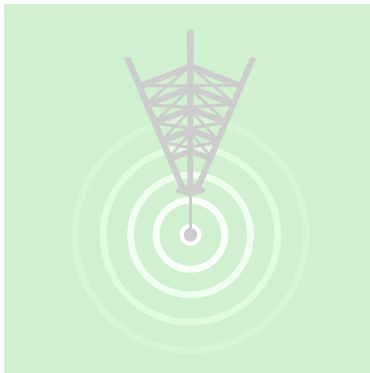
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC & Chuck-K6CSH
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Webmaster	Scott - N6LEM
Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader	Alan - KG6ZPL

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

