



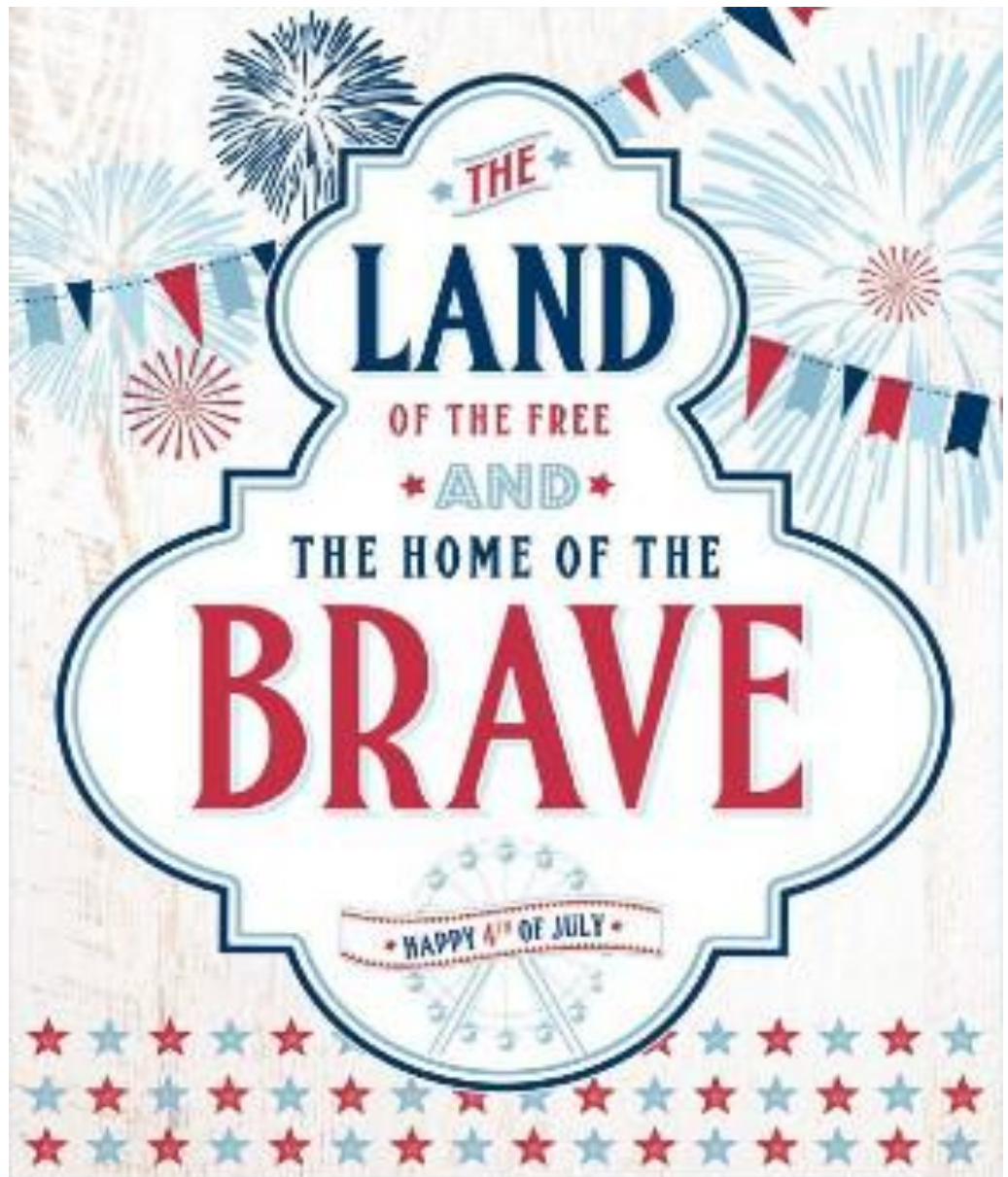
July 2017

ARCO *over*

A Community Service Organization Dedicated to Amateur Radio Since 1970

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E-mail: W6SBA@arrl.net



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

Hello W6SBA,

I would like to congratulate you all on a superb Field Day!!! We got an early start setting up our antennas Friday afternoon and as a result, we were ready to start operating Saturday morning 11am sharp! Special commendations to Jerry Shaw - K16RRD for getting nearly 200 contacts on CW. The club as a whole made a total of 381 contacts, which means Jerry's hard work accounted for more than half the FD contacts and single handedly earned two-thirds of all the points via CW. Very impressive Jerry!!! We thank you for your creativity and innovative approach for landing so many contacts for the club, and for your perseverance working all thru the night to achieve such an impressive score! Well done!

I also wish to thank Ed Hinz - KN6JN for feeding us so well. [Ed brought in a fabulous taco bar for our Saturday evening dinner complete with every possible add-on you could imagine.](#) The tacos were absolutely delicious and were complemented with refried beans and a salad on the side. If that wasn't enough, Ed returned early Sunday morning with a terrific breakfast. Made to order omelets, pancakes, side items of bacon and sausage, basically a complete country breakfast! I want to thank Ed and his family for going the extra mile for taking the time to plan and cook such delicious food, transporting it to Field Day, and then doing the same thing all over again for breakfast the next day. We are so lucky to have such a wonderful chef in our ranks, and we are extremely grateful for all your hard work!!! Thank you Ed so much!!!

Next, I'd like to thank Jerry Cook - KJ6JJ for setting up the computer network to manage all of our radio contacts during Field Day. Having computers that tell you whether you've worked a station before is incredibly valuable, especially for those who burn the midnight oil, fishing all night for those hard to reach contacts. In addition, Jerry reviewed the logs after Field Day, removed invalid contacts, and compiled the data into the special file formats required by the ARRL so we can submit our Field Day results electronically. This is a lot of hard work, and we thank you so much for setting everything up in advance, and testing it to ensure the system worked perfectly throughout Field Day!!! It was absolutely flawless!!! Thank you so much Jerry!!!

Last but not least, I would like to thank Bruce Jackson - KK6BJ for planning and executing such a wonderful Field Day. I thought everything went extremely smoothly, and fun was had by all. In addition, Bruce went the extra mile and got Fox News to come out and report on our Field Day operation!!! It was the icing on the cake on an absolutely perfect Field Day!

Thank you all who participated, and I hope you enjoyed it.

Until next time, this is Alex saying 73.

CLUB OFFICERS FOR 2017

President: Alex Marko-KD6LPA. 1843 W. 243rd Place, Torrance, CA 90501 310-530-6614
kd6lpa@socal.rr.com

Vice President: Bruce Jackson-KK6BJ 4020 The Strand, Manhattan Beach, CA 90266 310-502-0071
bjackson@ucla.edu

Secretary/ Treasurer: Joe Lanphen-WB6MYD. 21125 Budlong Ave. Torrance, CA 90502 310-328-0817
jmlanphen@gmail.com

Council: Paul Avery-KK6BY. 15255 Lemoli, Gardena, CA 90249. 310-676-0212 Kk6by@att.net

Council: Chuck Hohn-K6CSH. 17203 Atkinson Ave. Torrance, CA 90504 310-941-5679
chuchohn@gmail.com

Council: Heidi Stromburg-KG0GGY. 20622 Vermont Ave #25, Torrance, CA 90502 310-505-8828 hy-
lieunlikely@gmail.com

Immediate Past Pres.: Alan Parks-KG6ZPL. 10746 Francis Pl. #234, LA, CA 90034 310-558-8718 Ther-
mic72@sbcglobal.net

JULY



meeting

Walt Ordway K1DFO Bio

Although most of us think of Walt as being the legendary Amateur Radio Preparation Examiner (which he most certainly is), or the even more legendary Digital Cinematographer (which he very most certainly is), he is also a serial Worked All Counties award winner.



Please join us at 7:30 PM on the 20th of July in Room 1 of the Torrance Memorial Medical Center Health Communications Center to hear how he did it, both the easy and hard ways, and hear of his strategies for ways to go forth during the marginal band conditions predicted for the years

ahead. Please join us!



July is the seventh month of the year (between June & August) in the Julian and Gregorian Calendars and the fourth month to have the length of 31 days. It was named by the Roman Senate in honor of the Roman general, Julius Cæsar, it being the month of his birth. Prior to that, it was called Quintilis.



- 1) A ham has a very large collection of radio books. He has a number of bookshelves and has put exactly 80 books on each shelf. If he adds 3 shelves and redistributes the books evenly on all of the shelves, he now has exactly 50 books on each shelf. How many books does he have?
- 2) A sundial is the type of time piece that has the fewest moving parts. Which has the most?
- 3) What's yellow and goes "Click, Click"?
- 4) What is purple and wants to conquer the world?

Answers to June 2017 Quiz

1) If a CW operator-and-a-half can make a QSO-and-a-half in a minute-and-a-half, how long would it take two operators to make a hundred QSOs? (thanks to Yoshio, KE6ACH, and to the Orange County Amateur Radio Club newsletter for this problem) *If you divide the number of operators by one-and-a-half, then you have to divide the number of QSOs by one-and-a-half but the time remains the same. Thus, one CW operator can make one QSO in a minute-and-a-half. Doubling the number of operators to two results in two CW operators making two QSOs in a minute-and-a-half. So, two operators can make a hundred QSOs in 50 times a minute and-a-half or 75 minutes.*

2) A clock loses ten minutes each hour, i.e., it takes an hour for the clock to run 50 minutes. If the clock is correct at twelve noon, what is the correct time when the clock reads 3:00 PM? *If the clock takes an hour to run 50 minutes, it takes 6 minutes to run 5. The clock will read 12:50 at 1:00 PM, 1:40 at 2, 2:30 at 3, 2:55 at 3:00, and 3:00 at 3:36.*

3) Why do elephants paint their toe-nails purple? So that they can hide in grape vines.

4) Does painting their nails purple work for the elephant's purpose in doing so?

Have you ever seen an elephant in a grape vine? Send answers, questions, etc., to Alan at thermic72@sbcglobal.net

Amateur Radio Poised to Retain Full 76-81 GHz Band, Sharing with Vehicular Radars

In a draft Report and Order (ET Docket No. 15-26) to be considered at its July 13 open meeting, the FCC has proposed lifting a nearly 2-decade-old suspension of Amateur Radio access to 76-77 GHz, giving the Amateur and Amateur-Satellite services access to the full 76-81 GHz band on a secondary basis. The FCC also reduced Amateur Radio's status from primary to secondary in the 77-77.5 GHz segment, to match the rest of the 76-81 GHz band, and it imposed a uniform power-level limit for users of the band. The draft Report and Order (R&O) concluded that Amateur Radio and vehicular radars will be able to successfully share the millimeter-wave band with minor adjustments in the Amateur Service rules. A goal of the proceeding has been to expand and consolidate the spectrum available worldwide for 76-81 GHz radar operations. It would bring the US Table of Allocations into line with decisions at the 2015 World Radiocommunication Conference (WRC-15) and make the entire band available internationally for vehicular radars operating in the Radiolocation Service (RLS).

"The rule changes we adopt modifying the regulatory status of amateur stations and capping their power levels will ensure the continued operation of amateur stations in this band, and are a reasonable alternative to expanding the suspension of amateur operations from the 76-77 GHz band to the remainder of the 76-81 GHz band or removing the amateur allocations altogether from the 76-81 GHz band," the draft R&O said. "In addition, these changes, coupled with the nature of amateur operations in the band...will ensure that the potential for harmful interference from amateur operations to vehicular radar operations in the 76-81 GHz band is negligible and satisfy our efforts to ensure protection for the important safety functions that vehicular radars will provide." ARRL Letter 6/29/2017



FCC Chairman to Appoint New Enforcement Bureau Chief: FCC Chairman



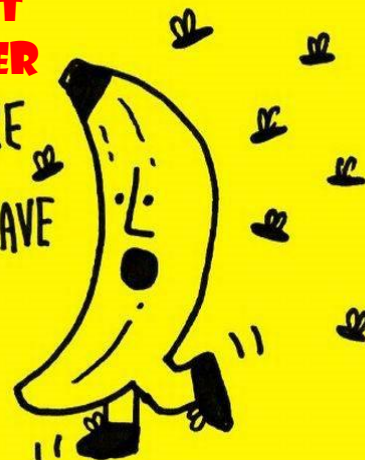
Ajit Pai has announced that he intends to appoint Rosemary C. Harold to serve as chief of the Enforcement Bureau. Michael Carowitz, who has been serving as acting bureau chief, will become the Bureau's deputy chief. Harold is an attorney with experience within the FCC agency and in private practice; she's also a former journalist. "This agency has a critical role to play in enforcing the law to protect consumers and support competition in the communications marketplace," Pai said. "Our Enforcement Bureau has been getting back on track in recent months, and I am confident in Rosemary's ability to continue this progress." Pai also praised Carowitz's work as acting chief. "Michael's steady hand at the helm of this important Bureau has helped us stay on task in protecting consumers and enforcing the law," Pai said. The Enforcement Bureau is charged with enforcing the Communications Act, FCC rules, and various licensing terms and conditions. It also investigates instances of possible unlawful conduct involving the regulated RF spectrum. ARRL Letter 6/22/2017

**THURSDAY
NIGHT
NET**

Please join us on W6SBA 224.38
minus offset and the PLat 192.8 hz
You can share your experiences or
just say hello!

**WATCH OUT
THIS SUMMER**

MOSQUITOS ARE
ATTRACTED TO
PEOPLE WHO HAVE
JUST EATEN
BANANAS



Federal Register Publishes New MF/LF Rules, But Operation is Not Yet Legal

The FCC Report and Order (R&O) spelling out operational rules to allow secondary Amateur Radio access to 630 meters and 2,200 meters now has appeared in the Federal Register, but radio amateurs still may not access the new bands. That's because specific procedures, now under development, to detail how radio amateurs will notify the Utilities Technology Council (UTC) of their proposed station location prior to commencing operation, still must undergo approval. The FCC said the notification requirement is necessary to confirm that a station is not located within 1 kilometer of an active power line communication (PLC) system.

"While the R&O has been published in the Federal Register, amateurs may not begin using the new bands until after the FCC's Wireless Telecommunications Bureau issues a Public Notice outlining necessary procedures to notify UTC of pending operation, as the new rules require," ARRL Regulatory Information Manager Dan Henderson, N1ND, said. "There is no timetable for that Public Notice to be released. Amateurs need to practice patience." ARRL Letter 6/15/2017



Additional Countries Gain Bands at 5 MHz

Radio amateurs in the United Arab Emirates (UAE) are among the latest to gain access to a 60-meter band. The allocation is 5,351.5-5,366.5 kHz at a maximum power of 15 W EIRP. Malta also has opened a 60-meter band for its Amateur Radio licensees. The island's telecoms regulator, the Malta Communications Authority, published an updated National Frequency Plan in April that includes the WRC-15 secondary Amateur Radio allocation of 5,351.5-5,366.5



kHz at a maximum power of 15 W EIRP. Panama came on board with the same

allocation in December.

The Netherlands telecoms regulator Agentschap Telecom (AT) has added a 60-meter band of 5,351.5-5,366.5 kHz to its frequency plan for Bonaire, Sint Eustatius, and Saba. Eligible licensees may run up to 25 W EIRP.

Radio Amateurs in Poland will soon have access to 5,351.5-5,366.5 kHz with 15 W EIRP. Mexico's telecommunications regulator IFT has approved Amateur Radio use of 5,351.5-5366.5 kHz at up to 20 W EIRP.

Iceland's telecommunication authority PTA has extended experimental license privileges for radio amateurs in the 5 MHz band until December 31, 2017. The privileges are for 5,260-5,410 kHz, with 100 W EIRP, CW, USB, PSK31, and other digital modes. Currently 25 licensees in Iceland have experimental licenses to operate on 60 meters. ARRL Letter 6/8/2017



SEPTEMBER 15-17, 2017

Torrance Marriott Redondo
Beach Hotel
3635 Fashion Way
Torrance, CA 90503

Check out <http://www.hamconinc.org/>



Two Free Amateur Radio Courses

FCC **“Technician”** course (entry level)
 FCC **“General”** course (2nd level)

Sessions on Aug. 05 & 19
 (each course is 2 sessions)

Technician 9:30 AM to 1:30 PM both
 Saturdays (bring your lunch)

General 1:30 PM to 5:00 PM both
 Saturdays

The FCC tests will be 10:00 AM to
 noon on August 26th

At the start of the 5 August Technician course, the Palos Verdes Amateur Radio Club will give a 30 minute presentation on how to get further involved with amateur radio.

Class location
 is at **Fred Hesse Community Park,**
 29301 Hawthorne Blvd.,
 Rancho Palos Verdes.

Confirm your attendance to Walt,
K1DFO at waltordway@juno.com

There is no fee for courses.
Taking the FCC test fee is \$15.

Optional Material (sold at cost)

- Gordon West books with all the FCC test questions, \$22 for the Technician and \$26 for the General
- Paper copy of Walt's Power Point charts, \$22 for the Technician and \$22 for the General

For courses sponsored by the Palos Verdes Amateur Radio Club, students thru grade 12 who pass their examination at a PVARC VE test session will, upon application to the Club, be eligible for reimbursement up to a maximum of \$50 to cover the cost of materials and the examination fee.

Everyone who obtains their first ham radio license through a PVARC VE test session, regardless of age, will receive a free membership in the Palos Verdes Amateur Radio Club for the remainder of the current calendar

Consent Decree, Forfeiture Terminate FCC Interference Investigation

The FCC has again used a consent decree to resolve an enforcement matter. The FCC Enforcement Bureau recently concluded a radio interference investigation with "a negotiated settlement" and a \$90,000 civil penalty. The case against AFX Inc. involved the marketing of unauthorized RF devices that interfered with AM/FM radio reception.



After the company's NLL Series LED lighting fixtures were reported to be causing interference to broadcast radio reception last year, the Enforcement Bureau's Spectrum Enforcement Division issued a Letter of Inquiry (LOI) to AFX directing it to submit a sworn written response regarding its marketing and sale of the fixtures, considered unintentional radiators under FCC rules. According to the FCC, evidence revealed that the suspect lighting fixtures had not been tested and authorized under FCC rules prior to marketing, and that AFX continued to market them during an approximately 5-month period after receipt of the LOI.

"[We] find that the public interest would be served by adopting the Consent Decree and terminating the referenced investigation regarding AFX's marketing of unauthorized radio frequency devices, and compliance with Section 302(b) of the Communications Act of 1934, as amended and Sections 2.803(b)(2), 15.107(a), and 15.109(a) of the Commission's rules (Rules)," the FCC said. ARRL Letter 6/8/2017



1. **Attendance drawing:** The winner for our attendance drawing at our June 15th meeting was none other but Richard-W6HYI. Unfortunately he was not there and therefore our kitty will go to \$ 30.00 for our July meeting. Be there and win.

2. **Thank you:** We wish to thank Alan-KG6ZPL making his presentation on FD operation. Never gets old to hear how it all got started. Thanks Alan. Bruce-KK6BJ talked about the radio operation of the Yaesu-FT-450D and its finer points to maximize the capabilities for FD. Thank you Bruce. And Alex-KD6LPA rounded out the presentations on the logging program which is used to make FD operations a lot easier. Thank you Alex. Good job.

3. **ARRL Field Day 2017:** Such a great time was had by so few. Yes those of you missed being with us on the FD weekend missed out on a lot of good quality time on the air. Both our HF station kept busy during practically the entire 24 hours (except for break times). Jerry-KI6RRD had set up his own equipment to maximize his CW operation which he did with a grandiose 200 CW contacts, great job Jerry. The other FT450D was kept pretty well busy by others from digital to phone contacts by to many operators to name. 168 phone plus 15 digital contacts. Good way to experience being on the air during the busy FD 2017. Logging which was a snap using the great network having been set up by Jerry-KJ6JJ, good job Jerry thank you. 6 solar contacts were made first thing using to solar station provided for by Chuck-K6CSH, nice set up Chuck and thanks. Tom-KI6RC attempted to make an satellite just could not get in for his usual 1 satellite contact. Too many operators having found that satellite and therefore overloaded it, sorry Tom thanks for trying. The VHF/UHF station was while mainly used by our guest operators contributed to the overall phone contact score. Ron-KI6EDV and sons Andrew-KI6HZM and Scott-KI6HZN did as always an bang up job, thanks guys. The food well we had everything from donuts to chips and coffee and sandwiches from Subway to the taco bar from ED-KN6JN and his crew XYL Blair and Kathy was the best. The breakfast by ED and his crew again serving great omelet's, pancake and fruit was the best. This while a fresh pot of coffee, soft drinks and water kept all in good shape. The breakdown and cleanup went well after an busy 24 hour

period and so all items needing to be returned to Joe-WB6MYD made it there again and so another Field Day for the books was had. We had 20 members actively participate and no problems with setting up and tear down made this for an much better FD we've seen in a long time. All of making all the arrangements for making these things possible thank you so much. One other need to be mentioned, Bruce-KK6BJ not only managed to have an official Hospital photographer take pictures he got a spot on channel 11 at 11:00pm news Saturday. The articles to the papers and other publicity was the best ever. This was really and truly an remarkable Field Day this year. Thank you so much everyone.

4. **Convention:** ARRL South Western Division convention on September 15-17, 2017 at the Torrance Marriott Redondo Beach Hotel right here in Torrance is our next big event. If you have internet access go to www.Hamconinc.org for all the details. Early bird registration is \$ 20.00 till Aug 15, \$ 25.00 after till convention time. The registration has all the prices on it for meals and such. Just click on the link for now and you'll see. The speakers being lined up are top notch and should satisfy from new to the experienced hams with their tech presentations. As of today most booth spaces has been reserved indicating a good assortment if you will from the older to the latest in amateur radio and will give you the opportunity to really pickup on all the deals being offered. This year they have also included the opportunity to go on a tour to Battleship Iowa on Friday Sept. 15th. An bus will depart at 2:15pm and the transportation, tour of the Battleship Iowa, special access to the ship's Communication Center and an special buffet dinner in the Officer' wardroom all included for \$ 50.00. The registration is made real easy with the use of the "Pay Pal" (You do not need have an pay pal account. As you know the SBARC will once again handle the W1AW/6 station and talk in from the parking lot just South of the hotel by its parking structure. This really promises one of the better conventions we've had here in our own back yard.

Joe



CALENDAR

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

Club Meeting - 3rd Thursday of the month
July 20, 2017- 7:30 p.m.
Torrance Memorial Med Center
Health Conference Center, 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,
July 29, 2017, 7-11 a.m.

VE Session - Contact: Joe WB6MYD
Phone: (310) 328-0817
jmlanphen@gmail.com or w6sba@arrl.net
(All VE sessions are scheduled for Room 4 in the Health
Conference Center for 2017)

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

CLUB SERVICES

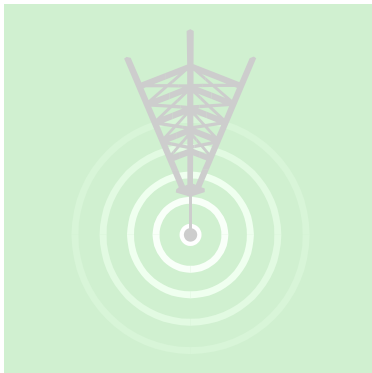
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC, Chuck- K6CSH., Bill-KQ6Z
VE Test Liaison	Betty Barch-N6VZF
VE Test Sessions	Betty Barch-N6VZF
Webmaster	Scott - N6LEM
Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader	Alex - KD6LPA

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

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

