



August 2017

ARCOver

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,

It has been an absolute pleasure to have been your President. But now, I must say goodbye to you as my employer is moving to Texas. I considered starting over and finding another job, but at this stage in my career, and after so many years with Toyota, I feel it's best for me to stay with the company until I retire. This has not been an easy decision, as I have so many friends and family members here in the Southern California area. So, after much deliberation, I have decided to step down as President.

Effective Aug 1, 2017, I am turning the club over to our Vice President, Bruce Jackson - KK6BJ. He is an extremely enthusiastic ham, and one of the nicest people I've had the pleasure to know and work with. He attends every single ham event and is always trying something new. He and Tom - KI6RC have pioneered many balloon projects which have brought us pictures from low earth orbit, and in turn provided the stimulus for us to learn more about APRS in order to track the balloon's position and recover the equipment upon landing. This endeavor has been the perfect project to explore the many possibilities of digital Amateur Radio, and I couldn't be happier! The club will be in excellent hands, and I know you will enjoy working with him.

I will still be in the area for a few more weeks as I prepare to move to Texas. Again, it has been an absolute pleasure knowing each of you, and I will try to stay in touch over EchoLink after I get settled in Texas.

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

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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

Paul Avery KK6BY will give a presentation and demonstration on Arduino microprocessors and their growing list of Amateur radio applications.

Paul holds an Extra Class amateur radio license and has been an active council member of the South Bay Amateur Radio club for many years.

He has been an instructor in programmable microelectronic projects and has delighted us all in the many ways these devices can be used to enhance our hobby.

He is also actively involved in the Long Beach VA amateur club and many other veterans activities..

Please join us at 7:30 PM on the 17th of August in Room 1 of the Torrance Memorial Medical

Center Health Communications Center to hear and see this exciting presentation.



- 1) Evaluate $1/\text{square root}(.11111\dots)$
- 2) A parent says "Tom, I am going to pay you \$6 per hour for the 6 seconds that you wash your hands for dinner" How much does Tom get?
- 3) What is red and white and goes poppity pock pock blam pocity blam?
- 4) What's yellow and lies on its back?

July 2017 Quiz Answers:

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?

Let n equal the number of shelves the ham originally has. Then :
 $80n = 50(n+3)$ so $30n = 150$ so $n=5$; So 80 books on 5 shelves means $80 \times 5 = 400$

2) A sundial is the type of time piece that has the fewest moving parts. Which has the most?

An hourglass

3) What's yellow and goes "Click, Click"?
A ballpoint banana.

4) What is purple and wants to conquer the world?

Alexander the Grape.

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

WWV 25 MHz Signal Swapped to Circular Polarization, Reception Reports Invited

The resurrected 25 MHz signal of time and frequency standard station WWV is now emanating from a circularly polarized turnstile antenna. WWV had used a vertically polarized antenna on 25 MHz in the 1970s. Silent since 1977, the 25 MHz signal returned to the air on an "experimental basis" in April 2014, and it's been transmitting ever since -- initially on a broadband discone until August 2015, when it switched back to a vertical, which it used until the July 7 switch to circular polarization.



The WWV 25 MHz turnstile antenna. [Matt Deutch, NØRGT, photo]

"[W]e are broadcasting with 2 kW from a circularly polarized turnstile antenna," WWV lead electrical engineer Matt Deutch, NØRGT, told ARRL this week. "It is just your standard plain-vanilla turnstile -- two horizontal orthogonal dipoles with a quarter-wave phase-shifting coax linking them." Located in Fort Collins, Colorado, WWV is operated by the National Institute of Standards and Technology (NIST). WWV has invited listeners' comments and reports on its 25 MHz signal. ARRL Letter 7/13/2017

**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!

ARISS Reports ISS Packet System is Down



The aging Amateur Radio on the International Space Station (ARISS) packet system on 145.825 MHz appears to have stopped functioning altogether, after experiencing some recent problems, and restoring it to operation could take months. ARISS International Chair Frank Bauer, KA3HDO, said the packet system, located in the Columbus module, started to act up late last week, sending only a beacon.

"The ARISS team requested a power recycle by the crew, and with that power recycle, the packet system appears to have stopped functioning completely," Bauer said in a news release. "Note that this unit has been on orbit for 17 years. It was launched on the STS-106 Space Shuttle Atlantis mission in September 2000 and was built, tested, and certified for flight about 20 years ago." "Note that this unit has been on orbit for 17 years. It was launched on the STS-106 Space Shuttle Atlantis mission in September 2000 and was built, tested, and certified for flight about 20 years ago." ARRL Letter 7/27/2017



**SEPTEMBER
15-17, 2017**

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



**Registration Form
attached. Check out
<http://www.hamconinc.org/>**

Jamboree on the Air Marks 60 Years this Fall

"60 Years Connecting Scouts" is the theme for the Boy Scouts' 2017 Jamboree on the Air (JOTA), set for October 20-22. JOTA Coordinator Jim Wilson, K5ND, said the theme "recognizes the start of the event in 1957 and commemorates its growth in participation and in the expanding communication channels that are activated on the third weekend in October." The official JOTA patch will be available by July 19. The JOTA-JOTI (Jamboree on the Internet) patch is available now.



Wilson said JOTA's "communication channels" now include Amateur Radio on the air and via internet-based channels, as well as many other internet-based options, including social media, ScoutLink and IRC chat services, Skype, and more. "It also recognizes the goal of the event -- connecting Scouts so that they can engage in conversations with other Scouts across town and around the world," Wilson said. "This allows them to discover geographic and cultural differences and similarities. Plus, they are exposed to the technology that makes all this happen." The World JOTA-JOTI Team said it would announce "a number of weekend activities supporting the 2017 theme."

JOTA participation last October was up from 2015's numbers. According to the final JOTA report, 10,761 Scouts took part -- an increase of more than 50% from a year earlier -- and the number of stations filing reports, at 267, jumped by 28% from 2015 (the record was 271 in 2013). The number of Amateur Radio operators was up by 14% to 1,120, although the number of radios reported in use dropped by 25% to 631. Total JOTA 2016 contacts remained flat at 8,254. -- Thanks to JOTA Coordinator Jim Wilson, K5ND

SAVE THE DATE!

OCT. 20TH - 22TH

Solar Eclipse QSO Party-SEQP 2017

In case you haven't heard, there will be a total solar eclipse on Monday the 21st of August, with totality extending across the entire continental United States. A partial eclipse will be visible in the Los Angeles area and most of North America. This rare event will not come again until 2045, so this event will be quite popular



The ARRL is sponsoring a SEQP event with participation and scoring quite similar to Field Day with 100 points for having a station in the line of totality, 100 points for being outside, and a point per contact. Contacts will be logged on DX Cluster, the Reverse Beacon Network-RBN, and WSPR, among other modes. The purpose of this exercise is to get as much data from as many sites about what is happening with propagation during sudden opening and closure of the various portions of the ionosphere. This data will be analyzed and published in various publications with amateur radio again contributing to the advancement of science

My brother in law designs ads for the Ford Motor Company and being a future oriented person, booked us lodging in Nashville over two years ago, before eclipse mania set in. This is right near the area of Maximum Eclipse, the Grand Old Opry and midway between the various branches of the family.

We have our eclipse sunglasses, confirmed airline tickets, my trusty FT817, and computer with WSPR programmed to the local grid squares, a porch vertical antenna and will be catching up on Bluegrass Music and whatever the folks have to offer Southwest Airlines will have 5 special flights, going thru the eclipse offering complimentary beverages and sunglasses. There are still Hilton rooms in Kansas City for the special price of \$306 a night

Much more information can be obtained thru ARRL and NASA, among many other sources. Please observe safe viewing measures, and do not look at the sun directly, even with sunglasses. Pin-hole onto paper techniques are the safest and many demonstrations of this are available online.

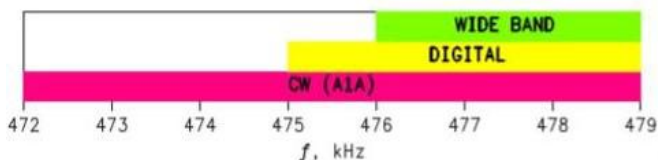
Happy viewing and a great QSO party to all

Bruce, KK6BJ

Band Plan Proposed for Eventual Amateur Radio Use of 472-479 kHz

ARRL 630-Meter Experiment Coordinator Fritz Raab, W1FR, and LF/VLF enthusiast John Langridge, KB5NJD, have proposed a possible band plan for the pending 472-479 kHz Amateur Radio band. Raab said that once US radio amateurs are granted access to 630 meters, he would move stations operating under the blanket WD2XSH FCC Experimental (Part 5) license to 461-472 kHz.

"This will clear the amateur frequencies, while allowing the experimenters to run unattended propagation beacons without using the limited bandwidth that will be available to amateurs," Raab explained in his spring 630-Meter Experiment Project Status quarterly report. "The new 630-meter band will have a very limited amount of spectrum (7 kHz)."



On March 28, the FCC adopted rules that will allow secondary Amateur Radio access to 472-479 kHz and to 135.7-137.8 kHz (2,200 meters), with minor conditions. The issue now holding up amateur access involves a requirement to notify the Utilities Telecoms Council (UTC) of proposed Amateur Radio operation on either new band. The FCC says the Office of Management and Budget (under the Paperwork Reduction Act) must first approve the information-collection requirements in §97.303(g)(2). Procedures to meet the requirements are said to be still under development by UTC, which says it wants to avoid Amateur Radio interference to power line communication (PLC) systems used to manage the electrical power grid. No such interference has been reported during the extensive experimental operation on 630 meters and on 2,200 meters.

According to Raab's quarterly report, he and Langridge prepared the 630-meter band plan that "based upon established patterns, separates different modes of operation, and harmonizes US amateur operations with those in Europe." The plan, which is still a proposal and has not been endorsed or adopted by ARRL, calls for using only narrowband modes -- with bandwidths of 150 Hz or less -- during nighttime operation. Under the plan, modes such as AM, SSB, and MCW would be discouraged after dark, except during special events. In the event a "wideband" mode were necessary, though, the signal should be confined to between 476 and 479 kHz. ARRL Letter 7/6/2017

Homelessness Not a Bar to Enjoying Amateur Radio, Hawaii Ham Demonstrates

Not having a permanent roof over his head has not hindered Alex Stengel, KH7CX, of Honolulu from enjoying Amateur Radio and indulging his passion for SSB QRP DXing, which he calls "very rewarding." As ARRL Pacific Section PIO Stacy Holbrook, KH6OWL, explained, Stengel sleeps on a bench, gets his mail and showers at a local church, and stows his personal items in a storage facility. Stengel shies away from attention to his "non-housing conditions," as he calls it, and would rather talk about his ham radio accomplishments.

"All my HF antennas and parts like baluns and ununs are made by me, and the antennas are very efficient — SWR around 1.06," Stengel told ARRL. He uses type N connectors and RG-8X as feed line, which he described as "a compromise in portability and weight," since the voltage balun and unun already make his temporary antenna system heavy enough when it's hauled aloft into some coconut palms.

"I do leave the pull line in the tree as long as possible, and when I set up the Carolina Windom, I just hook it in like a flag and pull it up, and the two arms of the antenna are just fixed to nearby trees, in a flat inverted V configuration. He is typically active between 0500 and 0800 UTC.

Holbrook said that living in Hawaii is expensive, and the biggest expense is housing. "Hawaii has an estimated 7,900 homeless, which is up 4%," he said, citing a federal report.

Licensed since 2008, Stengel does odd jobs for boat owners and elsewhere to feed and clothe himself and to purchase any necessary ham gear. His primary radio is a Yaesu FT-817ND, powered by an external 9 A/h 12.8 V lithium battery.

Last year, he snagged VP8STI on South Sandwich, KH0EK on Heard Island, and 3XY1T, the Los Islands DXpedition. He said it took "many hours" to break the 3XY1T pileup with 5 W at the bottom of the solar cycle. He also just purchased an ILER-40 transceiver (40 meters, SSB), which he couples to what he describes as "an NVIS dipole."

Stengel doesn't have a cell phone, and he uses the public library's computers to update his QRZ.com log and to check propagation.

"I love my moon and starlight radio shack!" Stengel told ARRL. ARRL 07/28/17





1. **Attendance drawing:** Our lucky winner for the July 20, 2017 meeting was none other than Gary-WD9DUI. Unfortunately Gary was on his way back from a little trip and was not present. The August drawing will now be \$ 35.00. Be sure to join us to collect your winnings.

2. **Thank you:** Walt-K1DFO presented the "County hunting" program for us at the July meeting. Wow did you know there are 3077 counties in our country. Walt has won it several times over and had the Certificates to prove it. His presentation was an absolute delight to hear him talk about all the tricks needed for that. If you missed that meeting, your loss. Thanks Walt as always.

3. **Picnic:** We had another one of our fabulous picnics. Actually this was coming for a long time but having been busy till now we had this at such short notice. We did have a good turn out and of course the hotdogs and other goodies were fantastic. We promise to do this soon again. We wish to thank both Paul-KK6BY and Chuck-K6CSH for setting this up, good job guys. Bruce-KK6BJ did bring his little QRP rig and while some stations were heard failed to make any contact as far as I know. Tom-KI6RC attempted to make a satellite contact but also failed. This was a new satellite they were trying to use, need to tweak the procedure a little more. It was a fun morning I assure you all around and big part of the afternoon as well. Good camaraderie is always the best part of it all. Thanks guys.

4. **W1AW/6 station:** The South Bay ARC is once again responsible for the operation of the W1AW/6 station. It will be set up on Friday September 15, 2017 and will operate from the Convention grounds at the Torrance Marriott for the next 2 days (meaning Friday and Saturday). We will be at the same location as in 2015. The ARRL SW Div. Convention is September 15-17, 2017 but we only operate for 2 days. This is because that location will be used for a swap meet on Sunday morning. Any way, we have once again given permission to use the mobile tower from the Hughes ARC for which we are very grateful. This time we do want to go a little bit bigger if you will. Ray wants us to use the Cushcraft A4S antenna with the attachments such as the 30m and 40m possibilities. Due to the fact in that that location or the Marriott has another convention going ending on Thursday. That makes our use to set up on Thursday impossible. So Friday morning we will assemble the A4S and install it on the tower including some other antenna's and crank it up to be on the air at 1100 hrs on Friday 9/15/2017. The other part of this of course is the Talk In station will have to operate also and so we have to be busy that Friday morning. We can do it and we are asking for you to give us some time and help us with that. We will have a motor home from Scott-N6LEM and Glenda-KF6QFE for our use as well, thanks Glenda

and Scott (no bath room in there). We really look forward for as many of you to help with this busy time to make this a winner. Remember, the operation of the HF portion of the W1AW/6 is for the visitors from the convention wishing to use the privilege of using the W1AW/6 call to call CQ which is why we want to use that big antenna and mobile tower of course. Yes that is what this is all about in the long run "publicity". Publicity not just for the convention but also for the SBARC. So please help us out and volunteer some time during those 2 days. Thank you so much for your cooperation and participation is greatly appreciated.

5. **Jackets etc.:** Last month I emailed every one the price list for the jackets, hooties (with or without zipper), polo shirts and hats. They will all have the club logo on it and would really look nice if we could all wear our colors to really show the amateur radio community our pride and enjoyment in our club. Please remember you must order any item before August 15th in order to have your items prepared before the convention. Call me if you want to ask questions incl. prize. Thank you for your time.

6. **ARRL SW Div Convention:** This while referred to as Hamcon 2017 is going to be fantastic. All kinds of activities and tech talks are being set up to make o so easy for you to attend. The admission price is \$ 20.00 up to August 15. After that it will go to \$ 25.00 including up and to the first day and at the door like. Registration is simple. Go to www.hamconinc.org and click on Registration on the left side. You can either pay by credit card or check. Credit card payments are handled by Paypal which has a charge for hamcon of course or you can print out the form and make sure before the 15th for 20 dollars can register. All meals and outings can be handled there as well. The banquet price is a little bit much but well worth it. As an early registrant you will also be given a ticket to the big grant prize which is an Icom IC 7300. Furthermore, throughout the event other drawings for great prizes are always made as well. The breakfast and luncheon prices for example are 150 dollar gift certificates. Beside great speakers are being lined up for all 3 events as well. Remember the motto for this convention is "Ham radio for everyone" and so a whole array of tech talks is being offered for beginners as well as the old timers. Besides all the new equipment and stuff is being offered as well. Join the fun and enjoy all that is good about Amateur Radio.

Another day
another
blessing!

South Bay Amateur Radio Club Hamcon ARRL Southwestern Division Planning Calendar

WA6OWM – W1AW/6

3 August: SBARC Council Meeting, SBARC Net 7:30PM-W6SBA/R

10 August: SBARC Net 7:30PM-W6SBA/R

12 August: VE Session, 9:00AM Room E; Cushcraft A-4S Antenna Party, 9:00AM, QTH: WB6MYD

15 August: Early Bird (\$20) registration ends, after 15 Aug (\$25)

17 August: General Membership Meeting, 7:30PM

22 August: Solar Eclipses – WA6OWM Out-of-Town

24 Sept: SBARC Net 7:30PM-W6SBA/R

31 Sept: SBARC Net 7:30PM-W6SBA/R

2-3-4 Sept: Labor Day holiday weekend, WA6OWM back by Labor Day

5-6 Sept: W1AW/6 Special Events Station Training, QTH: WA6OWM; Paperwork, computer network and FT450D operation

7 Sept: SBARC Council Meeting, last minute Hamcon items

14 Sept: SBARC Net 7:30PM-W6SBA/R

15 September

8:00AM Setup two Stations, Special Event & Talk-in

11:00AM Talk-in operation, Radio, Logbook and computers

12:00 Noon Hamcon Registration Opens

1:00PM W1AW/6 Special Event Station On-the-Air

HF All Modes, VHF Talk-in

Control Operators and Registration Staff on duty

2:00PM Tech Talks start

4:00PM Vendors/Exhibit Hall opens

7:00PM Day one activity ends

Secure W1AW/6 Area

16 September

7:30AM Start-up W1AW/6 operations

8:00AM W1AW/6 On-the-Air, Control Operators and Staff

9:00AM Tech Talks and Exhibit Area open

12:00 Noon Lunch Served for those purchased Hamcon meals

6:00PM W1AW/6 Operation completed

Area cleared, stations removed, antenna/tower removed

Area will support the Convention Swap Meet on Sunday

7:00PM Banquet Starts, reservations required



HAMCON 2017

2017 ARRL Southwestern Division Convention

September 15-17, 2017
 Torrance Marriott Redondo Beach Hotel
 3635 Fashion Way, Torrance, CA 90503

Convention Registration Form

Visit us at: www.hamconinc.org/

All attendees over 18 years old must have a separate paid registration; no charge for registered minors 18 or younger when accompanied by paid Adult registrant.

Call Sign: _____

Last name: _____ First name: _____

Street or mailing address: _____

City: _____ State & ZIP Code: _____

E-mail address: _____ Phone: _____

Additional Attendee #1 Call Sign: _____ Adult: Minor:

Last name: _____ First name: _____

Additional Attendee #2 Call Sign: _____ Adult: Minor:

Last name: _____ First name: _____

Additional Attendee #3 Call Sign: _____ Adult: Minor:

Last name: _____ First name: _____

	Per Person	x	Number	= \$ Total
Early Registration, postmarked by Aug. 15, 2017:	\$20			
Regular Registration, Aug. 16 to Sept. 17, 2017:	\$25			
BEST VALUE: Registration and all three meals	\$135			
Saturday Lunch**: ___# Chicken ___# Vegetarian	\$36			
Saturday Dinner**: ___# Chicken ___# Vegetarian	\$55			
Sunday Breakfast**	\$29			
Battleship Iowa Special Event (bus departs Torrance Marriott at 2:15 pm, Friday, Sept. 15)	\$50			

I want to operate N16BB station aboard the Iowa

** Each meal has a special prize drawing exclusively for attendees

Each Adult paid Early Registrant receives one ticket for the Early Registration Prize drawing. All Adult paid registrants receive two free Prize Drawing tickets.

Total Amount Paid:

Cash	Check
------	-------

Please send Registration Form and Check to:

For HAMCON staff use:
 Registration received by: _____
 Date received & registration #: _____
 Amount received: \$ _____

HAMCON Inc.
 c/o Margie Hoffman, KG6TBR
 21612 Grovespark Dr.
 Santa Clarita, CA 91350

CALENDAR

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

Club Meeting - 3rd Thursday of the month
August 17, 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,
August 26, 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

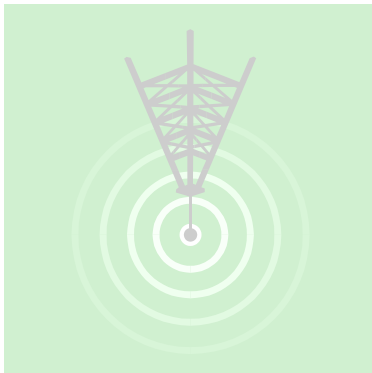
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC, Chuck- K6CSH., Bill-KQ6Z
VE Test Liaison	Betty Barch-N6VZF
VE Test Sessions	Betty Barch-N6VZF
Webmaster	Scott - N6LEM
Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader	Alex - KD6LPA

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

