



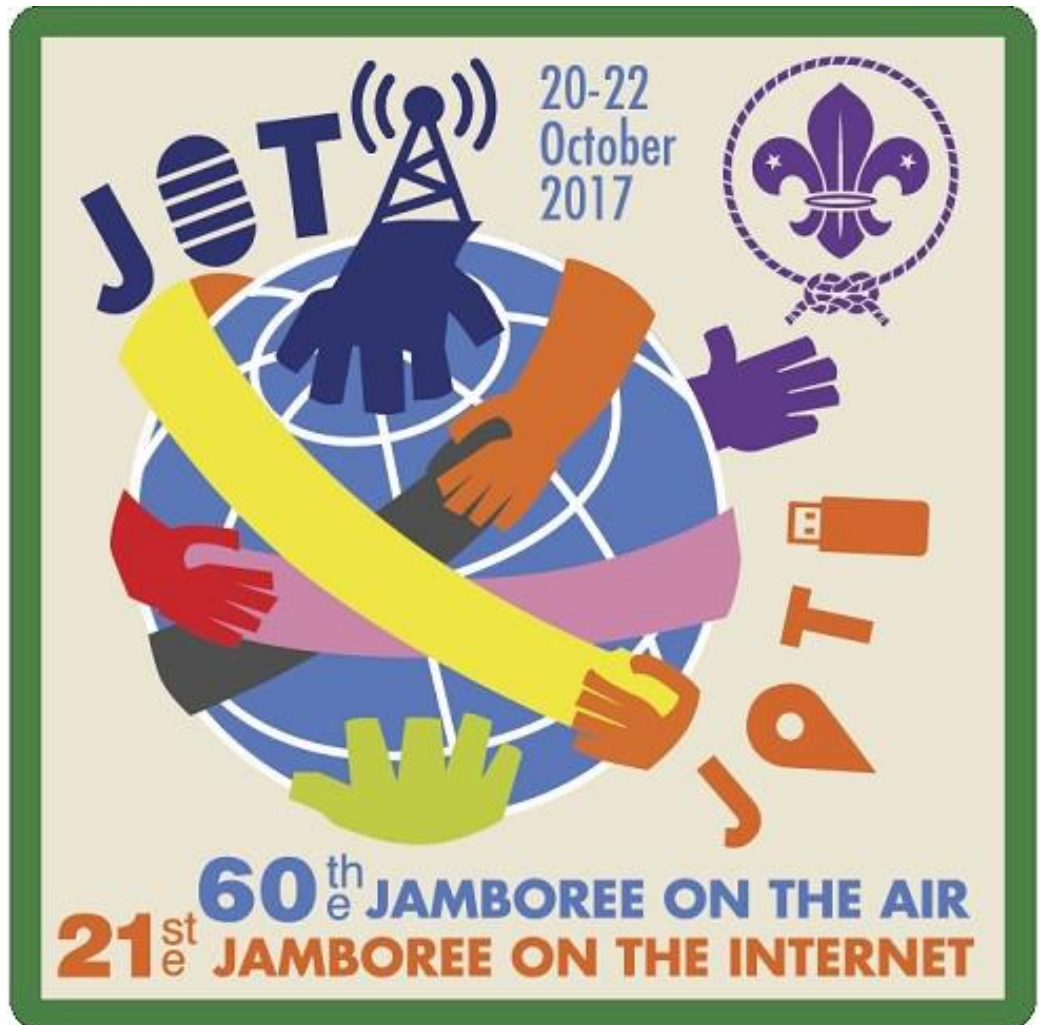
September 2017

ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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**Help Influence Our Youth
PLAN TO PARTICIPATE**

E-mail: W6SBA@arrl.net



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

This is my first ARCOVER column since taking over from Alex, KD6LPA, who is still in the thick of things, moving from Toyota of Torrance to his new adventures in Texas. We all wish Alex well in wherever and whatever his new position will offer him and eagerly await his return.

Under Alex's direction, the club had reengagement of traditional activities and the beginnings of many new ones.

The next major event is Hamcon, which will begin by loading antennas and other equipment for the W1AW/6 station at Joe's house 0800hr on Friday the 15th of September. We will then set them up at the Marriott Hotel and get on the air by 1300 hrs. We are still looking for volunteers with the setup of the station, assistance in operating and tutoring the attendees in how to operate, working the talk in station and the teardown on Sunday the 17th. There will be plenty of time to enjoy the exhibits and techtalks and socialize with our members

Following this will be JOTA on Saturday the 21st of October, to be held in the Cabrillo Marina. Chuck, K6CSH is still looking for volunteers to setup and operate the station and assist Dan Yang K6DPY who will be running the Radio Merit Badge presentation. Richard Fowell KJK6CBA will be giving his Operation On Target, Joe, K0OV and April WA6OPS Moell will be showing the sport of Radio Foxhunting. Lunch and a great time to show off ham radio to scouts will be provided.

Heidi KG60GGY has been redesigning our webpage and a new, friendly, colorful, interactive portal will be coming soon. She has been working very hard to make this happen and the new interface looks wonderful.

Joanne, KM6BWB organized and delivered an absolutely amazing ARISS event this last Friday when 10 Meadows Middle School STEM students contacted the International Space Station for a live, interactive conversation with astronaut, Paolo Nespoli, during a 12 minute pass. The media and several hundred students, their teachers and parents (no performance pressure there) were there to catch this exciting and flawless event. She will be a featured speaker at Hamcom on Sunday the 7th at 0900, presenting her near space adventures with her students and with our club members.

The 52nd running of the California QSO party will be held between 1600 hrs October 7 and 2200 hrs October 8th with rules and information to be discussed at our next club meeting. It is our turn to be the sought for contact and a chance to try a logging program and see how many of the 58 counties we can log. This is a great chance to get on the air and run a contest.

Tom KI6RC and Bruce KK6BJ presented their experience and future plans to the Long Beach Amateur Radio Club on Friday the 1st of September to an engaged audience of hams at their Red Cross club location.

I plan to visit most of our surrounding clubs in the near future, to exchange information and share common goals. We already enjoy wonderful relationships and cooperative projects with the Hughes, TRW and PV clubs and look forward to many more.

We regret the passing of Kostek Haussmann, K6MNA, one of our longtime club members who died on August 30th after a long battle with brain cancer, 35 years after a very successful kidney transplant.

This is your club. Get active on the air and with club activities. Volunteer for a council position and join us as we look for new ways to serve our community and spread the joy of our multifaceted and exciting hobby. Let me know what presentations and activities you would like for this and the coming year.

Elections are in November and nominations for all council positions will be taken at the next meeting. See you then.

73

Bruce KK6B

CLUB OFFICERS AS OF AUGUST 2017

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

Vice President:

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 hylieunlike-ly@gmail.com

Immediate Past Pres.: Alex Marko-KD6LPA. 1843 W. 243rd Place, Torrance, CA 90501 310-530-6614 kd6lpa@socal.rr.com and Alan Parks-KG6ZPL. 10746 Francis Pl. #234, LA, CA 90034 310-558-8718 Thermic72@sbcglobal.net



September

Bioenno Power 12 V LiFePO4 Batteries

For better or worse, lithium batteries keep finding their way into the news. The Samsung 7 phone batteries have become a pariah and nemesis for air travelers. India has plans for all automobiles sold after 2030 to be electrically powered. This will require about 40 factories the size of SpaceX-Tesla to meet the minimum needs.



Fortunately the needs of the amateur radio field operator are much more modest and a Santa Ana bases company, Bioenno Power has developed a series of light, safe, reliable and relatively affordable lithium iron phosphate batteries to meet this need. Their products were reviewed in this month's QST pp. 50-52 and they will be showing their product line as sponsors of the Torrance Hamvention September 15-16.

Kevin Sanjani, KI6DHQ will be presenting his company's product line and discuss batteries for amateur radio use at 7:30 PM on September 21st, 2017 at Torrance Memorial Medical Center in **room 3** of the Health Conference Center during this month's meeting of the South Bay Amateur Radio Club. Please join us for this fascinating and timely presentation.



CORNER

WITH ALAN, KG6ZPL

1) There are three cards in a horizontal row. To the right of the Jack there is at least one King. To the left of that King there is at least one King. To the left of the Club, there is at least one Heart. To the right of the Heart, there's at least one Heart. What are the three cards and what is their order?

2) You have two small cups filled with water and an empty bucket. How can you dump all of the water into the bucket and tell which water came from which cup without the use of dividers of any sort in the bucket?

3) What is purple and can go through an entire police force?

4) What happens when you cross an elephant with a cow?

Answers to August's Quiz

1) Evaluate $1/\text{square root}(.11111\dots)$

$.11111\dots = 1/9$, $\text{square root}(1/9) = 1/3$, $1/(1/3) = 3$.

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?

\$6 per hour is \$1 for 10 minutes is 10 cents for 1 minute is 10 cents for 60 seconds is 1 cent for 6 seconds. Tom get 1 cent.

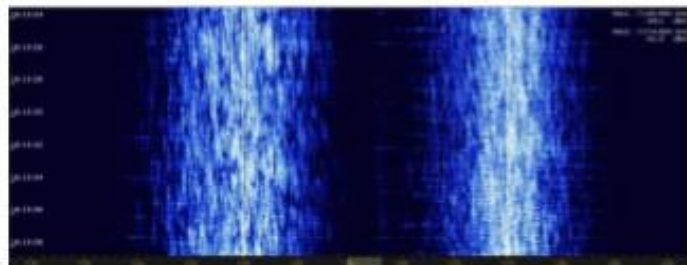
3) What is red and white and goes poppity pock pock blam pocity blam?

An outboard radish.

4) What's yellow and lies on its back?

A tired school bus.

Radio Eritrea and Radio Ethiopia Still Battling on 40 Meters



Radio Eritrea and Radio Ethiopia have been active daily on the same 40-meter frequencies. [Wolf Hadel, DK2OM, screenshot]

It was a now-familiar story in the July edition of the International Amateur Radio Union Region 1 (IARU R1) Monitoring System (IARUMS) newsletter, which reports that Radio Eritrea and Radio Ethiopia are still slugging it out within the 40-meter amateur band. IARU Region 1 includes Europe, Africa, the Middle East, and northern Asia.

"The hostile brothers were daily active on 7,150 and 7,175 kHz," said IARUMS Coordinator Wolf Hadel, DK2OM. "Earlier complaints were not regarded. No change." Radio Ethiopia has been deliberately interfering with Radio Eritrea on both frequencies by transmitting white noise, Hadel said.

Elsewhere on 40 meters, Radio Hargaysa in Somalia has been transmitting on 7,120 kHz, and is audible daily in Australia and Japan. On 7,200 kHz, the "Firedrake Jammer" in the People's Republic of China has been transmitting on top of a broadcaster in the Republic of China (Taiwan). The PRC considers Taiwan a province. The Firedrake (or Fire Dragon) jammer, which has been interfering with Amateur Radio signals on 40 and 20 meters over the past decade or longer, also disrupts broadcasts from the Voice of America, Radio Free Asia, and the BBC. The jammer's designation derives from the name of a lengthy Chinese folk tune that the jammer transmits.

So-called "cluster beacons" from Russia have become another issue reported on the 80- and 40-meter CW/digital segments. These CW signals are showing up on several frequencies above 3,590 kHz and in the vicinity of 7,039 kHz and identify with three-letter, R-prefix call signs. They're operated by the Russian Navy, according to IARUMS.

Over the Horizon (OTH) radar signals also continue to intrude on the exclusive Amateur Radio 40-, 20-, 15-,

FCC's Updated Rules Governing Personal Radio Services Become Effective on September 28:

The FCC recently adopted a comprehensive reorganization of and update to the rules governing the Personal Radio Services (PRS).

These include a wide variety of wireless devices used by the general public for personal communication, including handheld Family Radio Service (FRS) transceivers, radio-controlled models, Personal Locator Beacons (PLBs), medical implant devices, and others. In addition to the updated rule changes, the FCC enhanced the General Mobile Radio Service (GMRS) to allow new digital applications, allot additional interstitial channels, and extend license terms from 5 to 10 years. It also allotted additional channels to the FRS and increased allowable power on certain FRS channels from 0.5 W to 2 W. It also updated the Citizens Radio Service (CB) rules to allow hands-free headsets, eliminate a restriction on DX communication, and remove other outdated requirements. "These changes and others outlined below will update PRS rules to be more in line with current public demands for the services and will make the rules easier to read and find information, while also removing outdated requirements and removing unnecessary rules," the FCC said. ARRL Letter 8/31/2017



**SEPTEMBER
15-17, 2017**



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

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

ARISS Cross-Band Repeater Not Available for General Communication

The cross-band FM voice repeater aboard the International Space Station (ISS) has not officially been activated for general amateur use, although some stations have reported successful contacts. The system is being used in an effort to detect telemetry from three recently deployed CubeSats.



Russian ISS crew members last week released three satellites carrying Amateur Radio payloads -- TOMSK TPU-120 (RS04S), with FM voice announcements on 437.025 MHz; Tanusha-SWSU-1 (RS-6S) with FM voice announcements and AX.25 9,600 bps packet on 437.050 MHz, and Tanusha-SWSU-2 (RS-7S) with FM voice announcements and on AX.25 9,600 bps packet on 437.050 MHz.

They set up the ISS repeater as a cross-band relay between 437.050 MHz and 145.800 MHz at the last minute, because they were concerned about getting telemetry from their satellites, which might be spinning more than expected. They are hoping that the nearby receiver on the ISS might be able to capture and retransmit telemetry not being received up on the ground.



ARISS has advised that using the voice repeater for general contacts can interfere with this mission.

ARISS Ham Project Coordinator Kenneth Ransom, N5VHO, noted that the FM cross band repeater has been a capability of the onboard Kenwood D-700 transceiver since it

was first flown to the ISS in 2004.

"It has been utilized very little during that time, due to concerns by the Russians that the unit might overheat," he said.

When the ARISS voice repeater is active and authorized for general amateur voice contacts, the uplink is 437.800 MHz, and the downlink is 145.800 MHz. -- Thanks to ARISS and AMSAT News Service

Senate Confirms Rosenworcel, Carr to Join FCC, Chairman Pai's Reconfirmation Pending:

By voice vote, the US Senate on August 3 confirmed President Trump's nominees to fill the two empty seats on the FCC -- Democrat Jessica



Rosenworcel, a former commissioner, and Brendan Carr, the FCC general counsel, a Republican. The five-member FCC now has three Republicans and two Democrats. "I congratulate Brendan and Jessica on their confirmations," said FCC Chairman Ajit Pai. "As I know from working with each of them for years, they have distinguished records of public service and will be valuable assets to the FCC in the years to come. Their experience at the FCC makes them particularly well-suited to hit the ground running. I'm pleased that the FCC will once again be at full strength and look forward to collaborating to close the digital divide, promote innovation, protect consumers, and improve the agency's operations." Pai, who was named by the president in January to succeed Democratic Chairman Tom Wheeler, must be reconfirmed by the Senate by the end of the year or step down. The other commissioners are Republican Michael O'Rielly and Democrat Mignon Clyburn. ARRL Letter 8/10/2017

**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!

Top-Level Domain Name ".radio" Now Available



The top-level domain (TLD) name ".radio" is now available to the radio industry and Amateur Radio enthusiasts, and is reserved for individuals and companies with active interest in the radio sector. The .radio TLD can be used for web and e-mail addresses and will be managed by the European Broadcasting Union (EBU) with support from other world broadcasting unions. Visit the .radio domains registration site to request a .radio domain.

Individuals or entities in these categories will be accepted for the use of a .radio domain:

- Radio broadcasting stations
- Unions of Broadcasters
- Internet radios
- Radio Amateurs
- Radio professionals (journalists, radio hosts, DJs, etc.)
- Radio-related companies selling radio goods and services
- Radio products and services

One or more .radio domain name(s) can be requested during the launch period, which ends on October 31, 2017. The cost for individual radio amateurs is about \$30, including tax.

"The EBU believes radio stations should be the focus of this new space on the internet, and considers them our highest priority," the announcement said. "However, other categories of applications from the radio sector will also be considered during this phase."

EBU's .radio TLD Manager Alain Artero suggested that those in the radio community may want to consider securing the integrity of their web presence by requesting appropriate .radio domains "for defensive reasons, initially."

"The TLD will be focused on content and matters specific to radio, and we want to prevent speculation and cybersquatting in this TLD; therefore, this extension will rapidly become a high-value internet space for websites, mail systems, and other internet applications," he continued.

The launch process will not be first come, first served.

"The .radio team will seek to optimize domain name allocation to solve contentious issues and prioritize existing radio services," the EBU announcement said.

Starting in November, first come, first served rules will apply, although eligibility requirements remain the same. For more information, visit www.nic.radio.

ARRL Letter 8/31/201

What is JOTA-JOTI?

Jamboree-On-The-Air and Jamboree-On-The-Internet (JOTA-JOTI) is an official international event of the World Organization of the Scout Movement (WOSM). JOTA-JOTI is a youth event intended for young people in Scouting of all ages.



The purpose of JOTA-JOTI is to enable and encourage Scouts around the world to communicate with one another by means of amateur radio and the internet, providing a fun and educational Scouting experience and promoting their sense of belonging to a worldwide Scout Movement.

At world level, JOTA-JOTI is coordinated by the World JOTA-JOTI Team (WJTT), led by a World JOTA-JOTI Coordinator (WJJC). The WJTT reports to the World Scout Committee and is supported by the World Scout Bureau.

JOTA-JOTI related activities take place simultaneously all around the world each year during the third weekend in October. The program for JOTA-JOTI consists both of activities developed at world level and initiatives developed at national and local level, supported by National JOTA-JOTI Coordinators and their respective teams.

Dates: October 20-22

More info to come how our club will be supporting this Boy Scout event.





1. **Attendance drawing:** Our attendance drawing saw Hal-KO6M name drawn, but, sorry Hal was not present and our Sep drawing will now be for \$ 40.00. Yes that is right \$ 40.00. So the next winner will not only be able to pay his 2018 dues but also his XYL dues and have left over money for a cup of coffee. He or she could also spring for 10 dollar tickets for the drawing or an hefty tip for the coffee and cookies. Be sure to join us that night for your opportunity to collect that kitty.

2. **Thank you:** Thank you Paul-KK6BY for your presentation on the Arduino microprocessor and its growing uses for amateur radio applications. You made it sound all so easy but as so many of us struggle with the programming part of it which you offered to help us with seems to make it a snap. Thanks Paul for the excellent presentation. Also, the club project for making the 10 min digital timer later this year is as you found out of some interest by a good number of members. We look forward to seeing this become reality. Thanks Paul.

3. **ARRL SW Div Convention:** By the time you read this the convention will once again be history. I hope everyone enjoyed the numerous Tech Talk presentation during those 3 days is helping you to appreciate our use and applications of those which interest you directly. We have to remember that the convention is for us in the amateur community here in the South Bay as well as for our other members in our community throughout parts of our country. The convention which used to be coming around every 4 year was moved up a couple of years due to the fact that other area's within the SW Div could not support this. It is hoped that the other areas will come back on board again. It is all great but is requiring a lot of work as well from our local groups. Yes it is hoped we will as a participating club will make some money as an benefit. We must also realize that our ham population is aging and aren't able to do all this work as readily any longer. At best we can hope that we are training our younger members to take over. I will report on some of the high lights in our next Arc Over issue if you will. I surely hope you all realize that while we have a tendency to talk about these activities at our meetings we must remember that actually a small percentage attends the meetings. I want to keep everyone informed of all our activities.

4. **ARISS contact:** I want to mention to you all that our member Joanne-KM6BWB our local Middle school teacher has been granted permission to talk to the ISS (International Space Station) September 8th with her middle school students for a 10 min period. We should thank Joanne for making this a reality for her class and we will inform you how well it will have gone that day. This is not an easy project to accomplish and thanks for the assistance from 2 other groups such as TRW and Northrop make this happen. More on this next month.

5. **JOTA:** Yes this is coming around the corner again. Plans are being set in motion to do this again from the BSA Youth Camp here in San Pedro. At this point we have no definite information yet so please stay tuned for more details later.

6. **Elections:** As you know we need to start talking about the elections for the South Bay ARC for next year's officers. The Council as it is called is made up of 6 elected members at the November meeting. The immediate past President takes on a direct advisory position but with Alex-KD6LPA having to resign due to his work related relocation leaves as Past President Alan-KG6ZPL in that position. Every other position is open for election and it is hoped that we can bring some new people on board to help continue the fine history of the South Bay ARC. Yes it does involve some work, once a month Council meetings and General membership meetings but with proper delegating the work requirements it certainly is doable for our membership. Yes delegation of responsibilities makes the work load on these 7 officers bearable. This is what this is all about; the more people are involved the more will be accomplished. We have a good club here and a lot has been accomplished by these past and present officers. Do we accomplish more? Well yes we do. We can't stand still; time does not allow us to do that because we are all getting older. The modern technology whether we want to or not is far outpacing all that is perhaps good and familiar. We need to stay tuned to our new technology that is everywhere. Please think about this and let us know about you part in this. Tell any officers you're interested to be placed on ballot.

CALENDAR

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

Club Meeting - 3rd Thursday of the month
September 21, 2017- 7:30 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,
September 30, 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

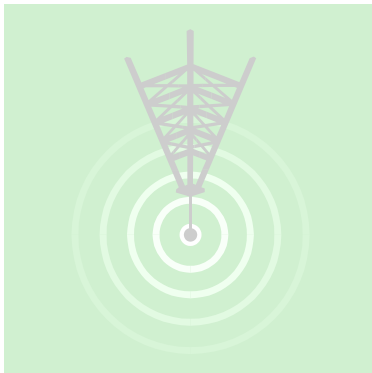
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC, Chuck- K6CSH., Bill-KQ6Z
VE Test Liaison	Betty Barch-N6VZF
VE Test Sessions	Betty Barch-N6VZF
Webmaster	Scott - N6LEM
Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader	Alex - KD6LPA

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

