



November 2017

ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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JOTA was again a success with a hard work of Chuck, K6CSH, Heidi KG0GGY, and Richard KJ6CBA for setting up and running the station and for Jerry KJ6JJ for running the echo link station. These opportunities to work with scouts and interact with youth R what keep her hobby alive

Our next meeting on November 16 will be giving us all a chance to show and tell our home built projects with a focus on originality, dedication to amateur radio and amount of work and skill and ingenuity involved. Prizes will be awarded and bragging rights will be issued. The election of club officers and council members will be held at the November meeting with positions open for president, vice president, secretary, treasurer and four council members who will be responsible for setting up activities for this next year.

Paul KK6BY will be collecting names of those who wish to attend the December 21st Christmas Banquet at Hof's Hut. This will represent a break from tradition for our club. A \$10 fee is requested to pay for this event and to allow participation in our drawing.

Our club along with the he is amateur radio club and clubs from Ventura and Santa Barbara will again be invited to provide radio coverage for the Shawn O'Brien ultra-endurance race tentatively scheduled for Saturday, February 3 and the Santa Monica Mountains. Several other members have participated in this event for the past several years and found it to be an exhilarating and exciting activity

We have secured a guided tour of JPL on Friday afternoon March 23 from 1330-1530 hrs. JPL has been involved in amateur radio participation for many years ranging from CW beacons on many of its probes to having JPL spelled in Morse Code on the tires of the Mars Rover. We will take sign up in January on a first-come first-served basis limited to 40 members and their family

SBARC will be participating in the Armed Forces day parade May 19, 2017 which will be held from 1330-1530 hrs. We will be starting her involvement a few hours earlier, participating in setting up floats, bands, other participants in the parade and monitoring activity. This is a wonderful opportunity to be of community service.

See you on the air! 73,
Bruce---KK6BJ

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

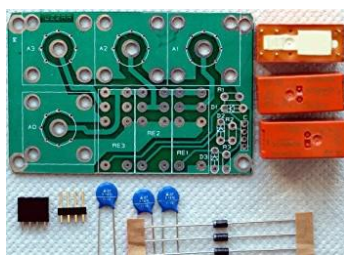
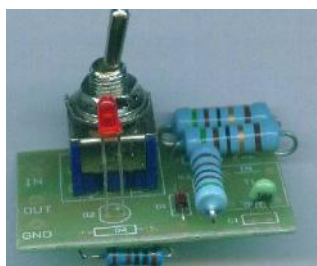


Alan, KG6ZPI, the Past President of the South Bay Amateur Radio Club will be leading the Annual Do It Yourself Project show and tell. This will take place at 1930 hrs. on November 16th, 2017 in Room 1 of the Richard Hoffman Health Conference Center at Torrance Memorial Medical Center.



All members are invited to bring their homemade projects to show and share. Prizes will be given for the difficulty, ingenuity, applicability to amateur radio. Bring anything and you will be given a free raffle ticket and you will get bragging rights for the next year as an added bonus

Please join the fun
Bruce — KK6BJ



- 1) An astronomer wants to carry his 5 foot long telescope on a small airplane but is told that the longest item they can carry is 4 feet long. How does he fix the problem so that he can carry his telescope with him?
- 2) Write down five four letter palindromes, that is, words which read the same when read forwards or backwards.
- 3) What is purple and 5000 miles long?
- 4) What is black and white and red all over?

October 2017 Quiz Answers

- 1) A friend of mine said to me: "My favorite food is the one where you throw away the outside and cook the inside, then you eat the outside and throw away the inside." What food is he talking about?
Corn on the cob. You throw away the husk, cook the corn, eat the corn and then throw the cob away.
- 2) The following words were in a sentence in the following order: XYere ZYere Xere. What letters do X, Y, and Z represent?
X= W, Y= H, and Z= T

- 3) What is orange and half a mile high?
The Empire State Carrot.

- 4) What did the elephant say when he got to the North Pole?
ACHOOOOO

**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!

New Ham Bands Spring to Life

Amateur Radio's two newest bands came to life on Friday the 13th. Both 630 meters (472-479 kHz) and 2200 meters (135.7-137.8 kHz) are now available to radio amateurs who have notified the Utilities Technology Council (UTC) of their intention to operate and did not hear anything back during the ensuing 30 days.



"Many of us filed notices with the Utilities Technology Council on September 15, the day the notification procedure was announced," said Fritz Raab, W1FR, who coordinated the ARRLWD2XSH 630-Meter Experiment. "We did not expect to hear from the UTC, unless they were objecting to amateur operation. Much to our surprise, on Friday, October 13, a number of operators received 'okay' notices. So, the first amateur operations commenced that night."

Awash with Signals

Raab said a few operators reported making contacts on 630 meters the first night, although noise levels were high, and a geomagnetic storm was in progress. Saturday night, October 14, "was a bust," he said. The next evening, however, things broke open. "The band was awash with CW and digital signals," Raab reported. "Operating modes included CW, JT9, SSB, and WSPR. Many operators were new to the band and not previously experimental licensees."

On October 17, W7IUV and VK4YB completed a JT9 contact, possibly the first US-to-DX Amateur Radio contact on 630 meters.

The Rules

Section 97.313(g)(2) of the Amateur Service rules requires that, prior to starting operation on either band, radio amateurs must notify UTC that they intend to operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna's fixed location. The new rules do not permit any mobile operation.

"Amateur stations will be permitted to commence operations after a 30-day period, unless UTC notifies the station that its fixed location is located within 1 kilometer of PLC systems operating on the same or overlapping frequencies," the FCC said in announcing approval of the notification system on September 15. ARRL Letter, 10/19/2017

IARU President: Traditional Aspects of Ham Radio May Not Be Attractive to Newcomers

The 24th General Conference of International Amateur Radio Union Region 1 (IARU-R1) convened September 17-23 in Landshut, Germany, with representatives of 40 member-societies present and another 13 represented by proxy. IARU President Tim Ellam, VE6SH/G4HUA, welcomed the attendees, urging them to reflect upon what will attract the majority of young people into Amateur Radio, "and what our mutual expectations should be." Ellam said his personal observation is that, while some younger people are interested in the more traditional aspects of Amateur Radio, many are only interested in ham radio as an adjunct to other possibly unrelated interests.



IARU President Tim Ellam, VE6SH/G4HUA.

"I applaud the excellent work that has been undertaken in this region through the Youngsters on the Air (YOTA) program." Tim said, crediting the hard work of IARU Region 1 Youth Working Group Chair Lisa Leenders, PA2LS. YOTA's summer Amateur Radio camps have attracted young hams from around the world; this year's was held in the UK.

"Our ambition should be to embrace these individuals in their activities and accept that some of the more traditional aspects of the hobby will hold little interest to them, and, indeed, may no longer be relevant," he continued. "That is not to say that some are not enthused with what we all hold as the core of our hobby, such as contesting or operating generally. I fear, though, that we need to look at what will attract the new generations to Amateur Radio and make sure we promote Amateur Radio as meeting their needs, rather than promoting the historical view of what Amateur Radio has to offer." ARRL Letter 10//5/2017



FCC Affirms Huge Fine in New York Interference Case

The FCC has affirmed a huge fine of more than \$400,000 on Jay Peralta, a Queens, New York, man who has admitted to making unauthorized transmissions on New York City Police Department (NYPD) radio frequencies, maliciously interfering with officers' communications. The FCC had sent Peralta a Notice of Apparent Liability (NAL) last April 14. Peralta, 20, is alleged to have transmitted false bomb threats, false claims of criminal activity involving firearms, false distress calls from purported NYPD officers, and threats against individual NYPD officers. The unauthorized transmissions began in 2016, according to the FCC.



"Mr. Peralta has not filed a response to the NAL," the FCC said in an October 10 Forfeiture Order. "Based on the information before us, we find no reason to cancel, withdraw, or reduce the proposed penalty, and we therefore assess the \$404,166 forfeiture the Commission previously proposed in the NAL."

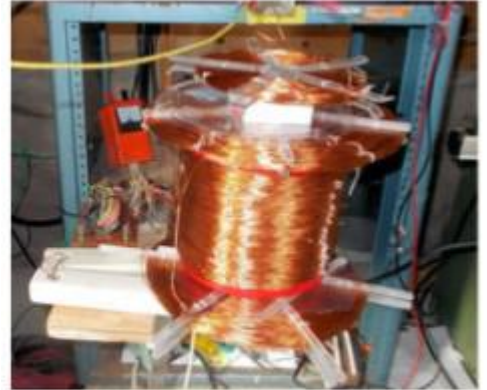
The FCC has calculated the precise forfeiture at \$404,166.

The FCC said the transmissions occurred from April through August 2016. The NYPD subsequently provided the FCC with a written statement by Peralta, who is currently in custody pending trial for related charges, in which he acknowledged making nine unauthorized transmissions on the NYPD radio system, the FCC said. ARRL Letter, 10/12/17

Tiny LF Signal Makes the Hop from Newfoundland to the UK

For Joe Craig, VO1NA, in Torbay, Newfoundland, things have been pretty exciting lately on VLF

(very low frequency). He's among the early MF, LF, and VLF experimenters in North America -- active even before Canada allocated Amateur Radio bands in that part of the spectrum.



Now, this is a coil! The VLF loading coil at VO1NA.

He believes he accomplished a "first" for a Canadian radio amateur on October 22, when his very VLF, very QRP signal on 8.27 kHz (that would be the 36-kilometer band) was copied in the UK.

"After much effort on both sides of the pond, SWL Paul Nicholson in Todmorden finally copied a three-letter message," he told ARRL. "It's the lowest-frequency transatlantic message, made possible because of Paul's EbNaut coherent BPSK mode and DL4YHF's Spectrum Labspectrum analyzer." Even more amazing: The power was 10 μ W ERP. Craig is permitted to run 10 mW by regulator ISED Canada (formerly Industry Canada). The transmission path was more than 3,500 kilometers (approximately 2,170 miles). His antenna is approximately 100 meters (approximately 328 feet) of #12 copper wire, about 12 meters high on average.

VLF signals have been copied across the Atlantic in the past. In March 2014, a very slow-speed (QRSS) CW signal on 29.499 kHz, transmitted by Bob Raide, W2ZM, a New York Experimental licensee, initially was detected in the UK by Nicholson. In June 2014, Dex McIntyre, W4DEX, in North Carolina, transmitted an EbNaut signal on 8.971 kHz, while running on the order of 150 μ W effective radiated power. Nicholson detected that signal too. McIntyre needed no FCC license to transmit on 8.971 kHz, because the Commission has not designated any allocations below 9 kHz, dubbed "the Dreamers' Band." ARRL Letter, 0/26/2017

*There is always
something for which to be*





Attendance drawing: We had a winner. Well except the winner was not present. The name was Kathleen-KG6RPM drawn at the Oct meeting. Since not present the kitty for Nov will be \$ 25.00.

2. **Thank you:** We wish to thank Richard-K6RBS, ARRL Orange County Official Observer Coordinator for making this excellent presentation on their dos and don'ts on our bands. This was certainly a very interesting presentation and well worth our time. I hope all of us having heard this presentation stop and think before keying down on that microphone or keyer. Too bad that they are unable to do much about a lot of interference on the VHF/UHF bands. Repeater problems as we all know are a real problem. They while they do turn them in the FCC is not able to enforce or allows them to do much more but and talk to them. Anyway, thanks for your presentation and thank you for all your hard work mostly in Orange County.

3. **DIY project:** Here is a basic run down on the abbreviated rules for our DIY project by Alan-KG6ZPL. 1. Project must have been completed during the past year. 2. Projects must be directly Ham radio applicable. Awards criteria will be a. How much does the entry have to do with amateur radio? B. Degree of originality if applicable. C. Amount of effort that went into the entry. Please see the entire "Rules for the DIY contest are" listed on a separate page of this Arc Over. I will have emailed the rules to you all earlier.

4. **Elections:** We have the following up for election at our Nov 16, 2017 meeting: Pres-Ray-WA6OWM, Vice Pres-Bruce-KK6BJ, Secretary-Bill-AF7OO, Treasurer-Joe-WB6MYD, Council, Chuck-K6CSH, Heidi-KG0GGY, Ed-KN6JN, and Steve-KM6EMF. Please be sure to join us and vote for the entire slate or if anyone from the floor wishes to be elected we can certainly accommodate that as well. Remember these are the officers you elect to represent you in the club during 2018. Your participation as always is greatly appreciated.

5. **Holiday party:** This is a big one. As was announced at our Oct meeting we plan to have the Holiday party catered. This is to say we would enjoy the Hoff's Hut facility for our dinner on December 21,

2017. Several catches we must tell you about. First, you must RSVP on or before Nov. 30th. Second, you must pay up front to secure the facility and price. Yes we are asking you to pay \$10.00/person and \$20.00 for a family of 2 or more. The menu will be published shortly and includes a drink (none alcoholic). You will see this outlined prior to the meeting so we hope you will join those having signed up at our Oct meeting for a fun filled and enjoyable dinner party. We will also install the newly elected officers for 2018 and pay tribute to those being honored if you will. So it is simple, if you wish to join us we must have received your money before November 30, 2017. Some other aspects need to be ironed out yet but we will do this at our upcoming Council meeting on Nov 2nd. We hope you can all appreciate the RSVP requirement (no refunds) so the setup will be done for the number of people joining us. The dinner itself, one dish being chicken, needs to be prepared for the number of guest wishing to join us. Yes chicken is only one dish you can also choose other dishes and as I said you will be given that information when confirmed for now. This holiday party is to give thanks for another good year for the South Bay ARC and the holiday season of Christmas. So please let us know and join us without having to do your own specialty dish.

6. **Celebration of Life for Kostek-K6MNA:** Yes I am sure you all remember Kostek? He certainly was a much appreciated member of our group or family if you will. Originally from Germany would not easily be forgotten. We received word from his family inviting us to join them at the Alpine Village Restaurant on Torrance Blvd and The Harbor Fwy. On September 22, 2017 at 2:00 PM in the Alpine Room of the restaurant. Help us pay our respect with as many members possible. I will have more on this later including the website to sign up.

7. **JOTA:** We hope you enjoyed the info on the JOTA event at Cabrillo Beach on October 21st. We are so appreciative of both Heidi and Chuck for practically putting this whole show on by themselves. To update, one Boy Scout reaching for his Radio Merit badge was able to talk to other scouts in Australia for over 10 min on Echolink thanks to Jerry-KJ6JJ and Heidi and Chuck. He did earn his Radio Merit badge. Good job and thank you guys.

CALENDAR

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

Club Meeting - 3rd Thursday of the month
November 16, 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,
November 25, 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

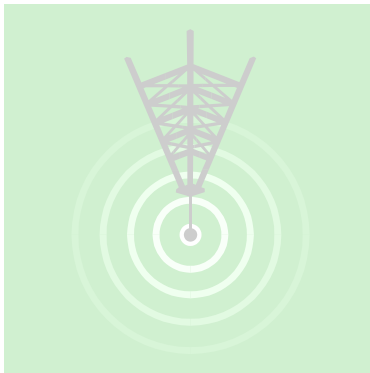
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC, Chuck- K6CSH., Bill-KQ6Z
VE Test Liaison	Betty Barch-N6VZF
VE Test Sessions	Betty Barch-N6VZF
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Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader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

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TO:



Address Correction Requested

A COMMUNITY SERVICE ORGANIZATION

W6SBA

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