



August 2016

# ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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# SUMMER



We're  
Having  
A Great  
Time 😊

E-mail: [W6SBA@arrl.net](mailto:W6SBA@arrl.net)



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

Last month we had an excellent picnic attended by about twenty members. Hotdogs with all the trimming were served. In addition, we had one station set up as well as having a foxhunt. The fox lost. Such a good time was had by all that we are doing it again on August 20th. An announcement will go out soon. Last time about 25% of the attendees had not, as requested, made a reservation with Joe. Please do so as we cannot promise to have food for anyone who has not signed up in advance. This is very important so sign up if you are planning to attend. Exact details regarding food, etc. are still being worked out but, at a minimum, the club will provide water and soft drinks as well as chips. We will probably have hotdogs again but this has not yet been decided.

We are going to have a club building project this year. The project is going to be a small CW 40 meter transceiver. The club will provide the kit and a suitable crystal for FREE, GRATIS, NOTHING, NO MONEY REQUIRED! That is, if you show up at one of our building sessions to pick up the kit and build it. Otherwise, we will charge you \$5 for it, still quite a bargain for a fully functional transceiver. If you want to be included in this you must either sign up at our August general meeting or send an e-mail to me, Alan, at [thermic72@sbcglobal.net](mailto:thermic72@sbcglobal.net) before the end of August. We will probably have a few extra kits but you can't count on it so reserve yours this month. Since the kits will be coming from far, far away with an undetermined delivery date, our building sessions will probably be in November. Details on times for the sessions will be forthcoming but will be on a Saturday morning and will last for three or four hours. I am going to write a detailed construction manual as the directions that come with the kit are somewhat sketchy at best. Please don't be frightened away if you have never built a soldering kit before. We will teach you how to solder if need be and there will be several Elmers available at each building session to help you through the sticky bits. We will also provide tools for those who need them. This is a good opportunity to get your feet wet in a building project. If your finished kit doesn't work, we will even help you get it to work so sign up now.

Our proposed Morse Code classes have died a withering death due to a lack of interest in the project. I would like to thank Ray, WA6OWM, for volunteering to lead this project even though it didn't work out. However, for those who would like to pursue this, there are a variety of self-teaching URLs on the web. Please check out <http://www.nzartt.org.nz/exam/morse>, <http://www.justlearnmorsecode.com>, <http://www.lcwo.net>, and <http://www.aa9pw.com>. If you want to spend the money, I can personally recommend Gordon West's self-study courses on Cassette and CD. If you make an effort to learn the code, we can arrange CW QSOs and advice for you. Let us know if you need help.

Speaking of help, our long awaited Elmer List will be published before the end of the month. This will list, by subject, Elmering resources within our club that can help you with everything from antennas to z-transforms. Each club member will get a copy via e-mail. This is a club member only resource that will not be published on our website. I'd like to take the opportunity now to thank all of the club members who have already volunteered their time and resources to make this project possible. We are still looking for a few more subject area experts so, if asked, please try to help out.

Our last major club activity of the year is JOTA which takes place October 15th. As usual, details are sketchy but we expect that we will probably do it pretty much the same way as we have for the last few years. Please keep that Saturday free so that you can join us to provide the Boy Scouts with a "hands on" introduction to amateur radio. That's it for this month. 73 to all,

*Alan*

## CLUB OFFICERS FOR 2016

### President

*Alan Parks* - KG6ZPL  
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### Council Member

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### Past President

*Alex Marko* - KD6LPA  
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Jim Langford, K6JGL, will be the August SBARC speaker and will be presenting his experience and practical tips on the history and use of the National Traffic System (NTS). His main interest in amateur radio is in Emergency Communications. He holds ARRL Appointments as LAX Section Official Relay Station and Pacific Area Digital Relay Station since 2012. He has an Amateur Extra license and was licensed in 2010. He retired in 1996 from Hughes Space and Communication Company. He is active in the LAX LAN net Relay Station, is a NTSD Liaison and operates Winlink Remote Message Server (RMS) - PACTOR, WINMOR, and PACKET



Please join us on August 18th 7:30p.m. in the Health Conference Center, Torrance Memorial Medical Center, Room 1 for this most interesting presentation.

**Make a note of the room change. This meeting is being held in Room 1 of the Health Conference Center. This is part of the big conference room.**

## Thursday Night Net



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



Alex says that my Quiz has gotten too hard so I'll try to go easy on you this month.

- 1) I have five different kinds of stamps, all of the same denomination. It takes three stamps to mail a letter. If I use three different stamps on each, how many letters can I send?
- 2) Over a period of years, how often (in terms of once every how many days) does Friday, the 13th occur?
- 3) How do you put a giraffe into a refrigerator?
- 4) How do you put an elephant into a refrigerator?

### Answers to July's Quiz

- 1) If I start with \$10 and spend all but \$3, how much do I have left? **\$3**
- 2) I went to a store and bought a number of the same item, in fact as I bought as many as the item cost. My bill (without tax) came to \$1.69. How many did I buy?  
**13. I bought X items and they cost X cents. So  $X \times X = 169$  and square root of 169 is 13.**
- 3) Find a four letter word ending in ENY.  
**Deny.**
- 4) Find a six letter word composed of only two letters, three of each. **Deeded.**

Please send answers and comments to Alan at [thermic72@sbcglobal.net](mailto:thermic72@sbcglobal.net)



## ARRL 600 Meter Experiment Reports 202,400+ Hours of Operation, Zero Interference Complaints

The ARRL 600 Meter Experiment being carried out under the WD2XSH Part 5 Experimental license reports that no interference complaints have been received from other services operating in the 465-515 kHz band over the course of more than 202,400 hours of operation, nor was interference from other operations an issue for any of the experiment's participants. That statistic was contained in the experiment's March 1 to May 31, 2016, report, prepared by Experiment Coordinator Fritz Raab, W1FR, with participants Rudy Severns, N6LF, and John Langridge KB5NJD, and released on July 3. Utilities' expressed fears of interference to their unlicensed PLC systems prompted the FCC to consider regulatory provisions that include a possible notification requirement by some radio amateurs to utilities with systems in the pending 630 meter (472-479 kHz) and 2200 meter (135.7-137.8 kHz) bands, prior to operating. Utilities use unlicensed PLC systems to control parts of the electrical power grid.

The latest WD2XSH update reported another 16 contacts on the pending 630 meter band, for a total of 578. The Amateur Radio community continues to wait for the FCC to release a Report and Order spelling out service rules and operational requirements for the two bands -- both of which have become available in more than a dozen other countries, including Canada. The ARRL petitioned the FCC in 2012 to carve out the same band for US hams. In an ex parte statement filed on March 10 with the FCC, the ARRL asked the Commission not to adopt "an overbroad" requirement for notification of utilities in advance of intended Amateur Radio operation on the pending 2200 and 630 meter bands.



**Ralph Hartwell, W5JGV, in Louisiana, takes part in the WD2XSH experiment. This is the base loading coil and antenna tuning unit for his 600 meter vertical.**

## Amateur Electronic Supply Closing after 59 Years in Business



Amateur Electronic Supply (AES) will close its doors at the end of July after 59 years in business. No reason has been given for the decision to close the business. AES has been a premier player among Amateur Radio equipment retailers for decades, as well as a major presence at Dayton Hamvention® and other events. Various media outlets were informed of the closing in a brief e-mail message on July 6, but word of the closing has not yet appeared on the retailer's website or Facebook page.

"It's with great sadness that I have to tell you that Amateur Electronic Supply (AES) will cease operations at the end of this month," AES National Sales Manager Tom Pachner, W9TJP, said in an e-mail. An employee at the Milwaukee headquarters store, who did not wish to be identified, confirmed that the message was legitimate. It's believed that the AES staff was notified before the July 4th holiday weekend. In addition to the Milwaukee store, AES operates outlets in Cleveland (Wickliffe), Las Vegas, and Orlando. ARRL Letter, July 7, 2016

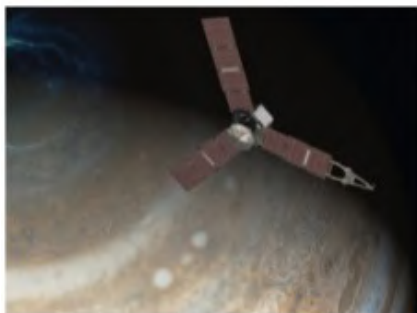
According to the experiment's report, activity on 630 meters continued through the spring, despite increasing noise levels and deteriorating propagation. Band conditions overall were described as "variable." The path to Australia from North America was reported to have been good and "relatively predictable," while the paths to Europe and Japan have been less active. ARRL Letter July 7, 2017

## Juno Spacecraft that Heard Hams Say "HI" Now Orbiting Jupiter

NASA's Juno spacecraft, which in 2013 listened for earthbound radio amateurs sending "HI" in coordinated, very slow-speed CW, now is circling Jupiter. In a first-of-a kind for an interplanetary spacecraft, Juno was able to detect 10 meter Amateur Radio signals on October 9, 2013, as it looped past Earth for a gravity-assisted boost on its way to Jupiter. Juno arrived at the solar system's largest planet on July 4.

At the time of the Amateur Radio experiment in 2013, the spacecraft was about 37,500 kilometers (23,250 miles) away, and the signals it received were

reported to have been just at or above the noise level. The object of the experiment was to see if Juno's onboard



"Waves" experiment would be able to detect the collaborative RF. According to the University of Iowa, after the flyby the Juno team evaluated the Waves instrument data containing the messages.

"We believe this was the first intelligent information to be transmitted to a passing interplanetary space instrument, as simple as the message may seem," said Bill Kurth, a University of Iowa Researcher and Lead Investigator for the Waves instrument. "This was a way to involve a large number of people -- those not usually associated with Juno -- in a small portion of the mission."

Kurth said in 2013 that the activity had raised awareness of the mission, and that some radio amateurs had indicated plans to follow Juno through its science mission to Jupiter. ARRL Letter, July 7, 2016

## Amateur Radio Parity Act Receives Favorable House Energy and Commerce Committee Report

An amended version of the Amateur Radio Parity Act, H.R. 1301, received a unanimous favorable report on July 13 from members of the US House Energy and



Commerce Committee. The bill now will go to the full House for consideration. Before reporting the bill out of committee, the panel first voted to accept the amended language, "in the nature of a substitute." Rep Greg Walden, W7EQI (R-OR), who chairs the Energy and Commerce Committee's Subcommittee on Communications and Technology, said the substitute bill represented "a good balance" that came in the wake of months of meetings, hard work, and compromise, and he recommended the measure to his colleagues.

"The amendment guarantees that even in deed-restricted communities, Amateur Radio operators are able to use an effective outdoor antenna," Walden said. "Without an effective antenna Amateur Radio operators are severely limited, so this amendment ensures that amateurs are free to pursue their passion wherever they live."

At the same time, he continued, the measure protects the rights of those "who have chosen to live in deed-restricted communities and to set their own aesthetic and other rules." In early June, the ARRL and the Community Associations Institute (CAI) -- the national association of homeowners associations (HOAs) -- announced that they had reached consensus on substitute language for HR 1301 in an effort to move it through committee and to overcome objections to the companion US Senate bill, S 1685. The offices of US Representatives Adam Kinzinger (R-IL), the bill's sponsor, Anna Eshoo (D-CA), and Walden mediated and offered assistance. ARRL Letter, July 14, 2016

## FCC Proposes Rule Changes in Response to ARRL's "Symbol Rate" Petition, Seeks Comment

The FCC has proposed to revise the Amateur Service Part 97 rules in response to the ARRL's so-called "Symbol Rate" Petition for Rule Making (RM-11708), filed in late 2013, and it has invited comments on its recommended changes. The Notice of Proposed Rule Making (NPRM) in WT Docket 16-239, released on July 28, had been making the rounds at the FCC since May. ARRL had asked the FCC to change the Part 97 rules to delete the symbol rate limit in §97.307(f) and replace it with a maximum bandwidth for data emissions of 2.8 kHz on amateur frequencies below 29.7 MHz.

"[W]e believe that the public interest may be served by revising the Amateur Service rules to eliminate the current baud rate limitations for data emissions, consistent with ARRL's Petition, to allow Amateur Service licensees to use modern digital emissions, thereby furthering the purposes of the Amateur Service and enhancing the usefulness of the service," the FCC said in its NPRM. "We do not, however, propose a bandwidth limitation for data emissions in the MF and HF bands to replace the baud rate limitations, because the rules' current approach for limiting bandwidth use by amateur stations using one of the specified digital codes to encode the signal being transmitted appears sufficient to ensure that general access to the band by licensees in the Amateur Service does not become unduly impaired." ARRL Letter, July 28, 2016



## FCC Notice of Violation Alleges Malicious Interference, Transmitting Music, Failure to Identify

The FCC has issued a Notice of Violation (NoV) to a California Amateur Radio licensee, alleging that he caused willful and malicious interference, transmitted music, and failed to identify properly. The FCC Enforcement Bureau said in the Notice, issued on July 13 to Philip J. Beaudet, N6PJB, of Burney, that agents from the San Francisco, California, and Portland, Oregon, offices observed the violations on four occasions in August and October 2015. A General class licensee, Beaudet formerly held the call sign WD6FGE.



FCC agents responding to an interference complaint used direction-finding techniques to pin down the source of an interfering signal on 3908 kHz to Beaudet's residence. They also observed and recorded transmissions of music on 3908 kHz from Beaudet's amateur station. The agents said that while they were monitoring and recording, the station's assigned call sign was not transmitted at the end of each communication.

The Enforcement Bureau said the Notice does not preclude it from taking further action, if warranted, including issuing a Notice of Apparent Liability for Forfeiture with respect to the cited violations.

The Bureau gave Beaudet 20 days to respond in writing to "fully explain each violation, including all relevant surrounding facts and circumstances."

ARRL Letter, July 28, 2016





1. **Attendance drawing:** Such luck. Yes we really did have a winner this time around. Jerry-KJ6JJ was present to collect the July kitty of \$ 25.00. As we always say 'you must be present to win'. Congratulations Jerry on being with us. The August meeting will be for 20 dollars.

2. **Thank you:** Bruce-KK6BJ and Tom-KI6RC made the presentation about their recent adventure with the near space ballooning project so interesting that everybody kept asking questions and enjoy the picture. Thank you so much guys for updating us on all of this. Since they are planning another adventure soon please stay tuned of course. This is a real eye opener and educational as well to inspire all of us to become involved so we can leave our mark with whatever project we have thought about for so long but never have done anything with. Thanks again guys.

3. **Picnic:** Yes we had our picnic at de Portola park on Saturday July 16th. Plenty of hot dogs and lots of other goodies and drinks made this a very memorable event. Some contacts were made, however, the band conditions are less favorable as we all know and therefore left a lot to be desired as far as contacts goes. The hidden transmitter hunt was fun if you participated in that, Joe-WB6MYD did find it, hooray for him right. The turnout we had was great so if you missed it, well sorry about that.

4. **Arc Over:** You know we can't thank both Glenda and Scott enough for all their hard work in preparing the monthly Arc Over. However, there are some other people that contribute this on a monthly basis as well. Alan, our President manages to put several items in there to on a monthly basis. His monthly Pres. message is enlightening but his "Quiz Column" even more so. How many of you try to come up with the answer to the Quiz questions actually? I certainly would like to think that some of us do try to figure this out, I myself can't wait to check the answers. Thank you Alan for contributing to the Arc Over as well. Bruce also makes for interesting stuff by informing us about the upcoming presentation. How about the articles? Most of those are taken from the ARRL Letters but never the less are as always very informative. So thank you one and all for your continued effort to make this as pleasurable to look forward to every month. It is not easy to make up this

Arc Over on a monthly basis. If you have never done this perhaps you ought to submit some article. Please let us know and we will pass it on to Glenda. Your own experiences, new items or something you think we might find interesting will at all time be appreciated. Please think about this and contribute every once and a while.

5. **National Parks:** This has been an activity that has really gotten hold of our ham community. Some of the contacts being made are fantastic and you can read and or see some of this being posted on Facebook as well. This especially is great for kids that are traveling to and from National parks across the country. What better way if your kids or grandkids are with you to show them this if they're not doing this already. This is how we get youngsters involved, we really need to think about this as well we are not going to be around forever. Enjoy your vacation and especially your attempts to make contacts from our National parks.

6. **JOTA:** We as you know will participate from the Youth Center in San Pedro again in this year's JOTA. We really need our members wishing to show this to young minds to propagate this great hobby of ours. It is essential that we have the interest in showing these young minds that which you have enjoyed all this time enthusiastically and how they too can enjoy this. Please let's not sit on side lines, become involved and share your experiences by showing how they too can do this. We look forward for you to help us in October this year.

7. **DIY and transceiver kit:** The Do It Yourself project is scheduled for Nov meeting. This here is another opportunity for you to have your entree be judged as well. The Club project for this year is this Transceiver kit which the club will buy and pay for you. That is to say, let Alan know you wish to build this ( solder and make work) transceiver and he will order one for you. However, should you fail to make an honest to goodness attempt to put all the parts on it you will be asked to pay for the approximate cost of 5 dollars. Please let Alan know ASAP so he can order one for you. We might have to have one or more sessions to help you TBA put it all together unless of course you can do this yourself. Please have a go at it by letting Alan know.

Joe-WB6MYD

## CALENDAR

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

**Club Meeting** - 3rd Thursday of the month  
**August 18, 2016 - 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 27, 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  
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## CLUB SERVICES

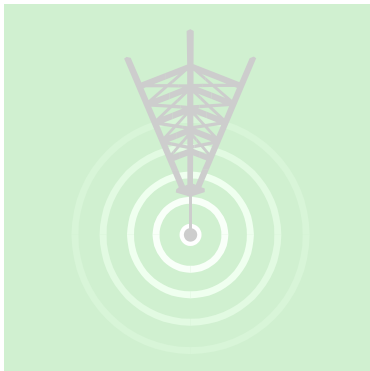
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Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC & Chuck-
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
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Proofreader	Alan - KG6ZPL

**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

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TO:



Address Correction Requested

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