W6SBA SOUTH BAY AMATEUR RADIO CLUB

SPECIAL SERVICE CLUB

ARCOver

November 2018

A Community Service Organization Dedicated to Amateur Radio Since 1970

In this issue:

Thankful for the Many South Bay Amateur Radio Club Members!

E-mail: W6SBA@arrl.net

Join us on Facebook

Website: http://www.w6sba.org

Activities Remaining This Year

November:
- Election of Club Officers, November General Membership meeting
- DIY Program, time to share 2018's Amateur Radio projects (Open to all members, display your project and share a brief description)
- WAM (Worked All Members) logs Ed – KN6JN by 12/14/2018
- Swap Meet 11/24/2018 NGC/TRW Redondo Beach
- New Webmaster, thanks to Heidi, KG0GGY for managing the w6sba.org website. Our new Webmaster will be Steve Morse, KM6EMF. Interested members need only to contact Steve, and pass along your ideas.

December:
- Holiday Pot Luck Party, 12/20/2018, starting at 18:30-hrs
  We ask you to bring something for at least 5-8 people to enjoy your recipe or specialty.
  This is divided into 3 groups and is based on the first letter of your last name
  A-G: bring a salad; H-P: bring a dessert; Q-Z: bring a side dish
  The club provides the turkey, ham and drinks
- Other News:
  - JOTA Thanks to all the members that participated in this years Jamboree
  - SK John Wilson, AE6LK
  - Southwest Division Convention, Feb 15/16, Yuma Arizona
  - Hamcon 2020 looks like it maybe in the South Bay, stay tuned
  - Field Strength Indicator project completed on Saturday, 11/10 was a big success
    Remember to check-in Thursday evening Net on the W6SBA Repeater at 19:30-hrs
  - Check the ARRL Contest Calendar for on-the-air activities

Till next month, 73 and have a Great Thanksgiving — WA6OWM

< 2018 CLUB OFFICERS >

President: **Ray Grace** -WA6OWM 2706 Spreckels Ln, Redondo Beach, 90278 310-370-1913 wa6owm@arrl.net
Vice President: **Bruce Jackson**-KK6BJ 4020 The Strand, Manhattan Beach, 90266 310-502-0071 bjackson@ucla.edu
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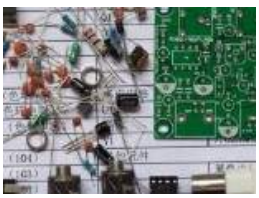
Council: **Alan Parks**-KG6ZPL. 10746 Francis Pl. #234, LA, CA 90034 310-558-8718 Thermic72@sbcglobal.net
Council: **Steven Morris**- KM6EMF 2601 Alvord Ln, Redondo Beach 90278 949-690-3877 kf6jvt@aol.com
Past President: **Alex Marko**-KD6LPA 1843 W.243rd Place, Torrance, 90501 310-530-6614 kd6lpa@socal.rr.com

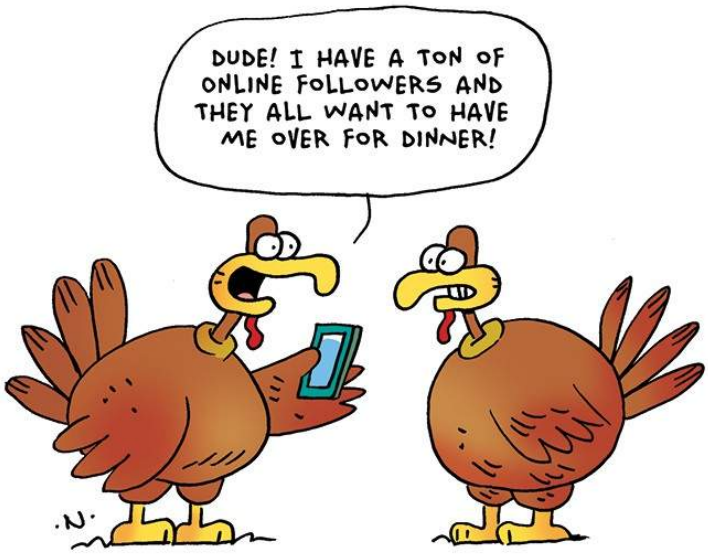
PRESENTATION

Please come to the November meeting which will be held at 1930 hrs. November 15, 2018 in room 1 of the Richard Hoffman Auditorium in Torrance Memorial Medical Center.

Club members should bring their home made projects in working condition or not for show and tell and judging. Generous prizes will be offered and bragging rights will be secured.

18 of our members were present at the last Saturday build session, creating field strength indicators from a small bag of parts finishing with a useful piece of diagnostic amateur radio equipment. Creating homebrew equipment is in the DNA and being of every amateur radio operator. Looking forward to seeing you there!





CORNER

WITH ALAN, KG6ZPL

1) Two trains are traveling at 50 miles an hour. They are 100 miles apart, and headed straight towards each other. A fly can travel at 70 miles an hour. He starts at one train and flies towards the other. When he reaches the second train he turns around and heads back to the first. He keeps flying back and forth until the trains meet. How far has the fly traveled?

2) On a cold, windy day, ten year old Daniel went on a short walk with his father and two uncles. All four wore hats. Only Daniel's hat was tied on. A sudden gust of wind blew off the hats of the three adults. Daniel retrieved the hats, but did not notice the differences among them. He gave the hats back randomly. What is the probability that exactly two of the men got their own hat back?

3) One is to three as three is to five and five is to four and four is the magic number. What is the pattern?

4) Take away my first letter, and I still sound the same. Take away my last letter, I still sound the same. Even take away my letter in the middle, I will still sound the same. I am a five letter word. What am I?

October 2018 Quiz Answers

1) Find the 5th term in the following series:
77, 49, 36, 18, … ***Each term is the product of the digits of the preceding term, i..e., 49 = 7 x 7 and 36 = 4 x 9 so the 5th term is 1 x 8 = 8.***

2) List the states bordering the most other states. How many and which ones? ***Tennessee and Missouri both border eight other states.***

3) How much dirt does a hole 2 feet long, 1 meter wide, and 57 milimeters deep contain? ***None – it's a hole which is empty.***

4) Mark, Guy, and Jane are the officers of a Ham club. The treasurer is a single child. Mark dates Jane's sister and does more work for the club than the president. The treasurer has little to do. The officers are president, treasurer, and secretary. What office does each person hold? ***Jane is president, Mark is secretary, and Guy is treasurer.***

Detained Norwegian Radio Amateur Allowed to Leave Chad

A tense situation involving a Norwegian radio amateur that reached the diplomatic and foreign ministry level in the African Republic of Chad has now been resolved. Kenneth Opskar, LA7GIA, had only operated as TT8KO for about a day before security police shut down his station on October 10. At that point, he'd logged and uploaded 2,150 contacts and had installed all antennas except a 160-meter vertical. Opskar considered the incident a minor distraction, until he was told that he had to remain in Chad pending undetermined scrutiny of his station and activity. Now, after having been detained in Chad for more than a week, Opskar said on October 24 that he's free to go.

"I received the news that I can leave Chad immediately," Opskar told DX-World, which has been posting updates on a running basis. His solo DXpedition is over, however.

"I am not allowed to transmit. All antennas are to be taken down today before sunset, because there is a presidential event at the hotel tomorrow, and he will be here," Opskar said. "[The] hotel is now packed with VIPs, police, and military personnel. I am done with sightseeing, so my flight is booked for tomorrow."

Initially, Opskar had remained optimistic that all would be well after the security police chief's personal inspection of his equipment. Things got more stressful on October 13, however, after he underwent two interrogations by the security police. "My gear has been disconnected," he said at the time. "The antennas on the roof are locked down, [and] I cannot access them even for visual inspection or maintenance. I am not allowed to touch anything."

On October 14, Opskar reported that the security police had deemed all of his documents to be in order, but then was told that the security police needed to confer with ARCEP, Chad's telecommunications regulator.

Opskar made plans to leave Chad on October 18, but he was not permitted to disassemble his equipment until an inspection was completed. However, on October 18, Opskar reported that a police order had been issued preventing him from leaving Chad, even without his equipment. The Norwegian embassy and foreign ministry then stepped in to work on the matter.
Opskar said the many encouraging emails every day from DXers around the world helped to keep up his spirit, in addition to the support he received from his hotel's staff.
ARRL Letter, 10/25/2018

Achieving a "Clean Sweep" is the Brass Ring of ARRL November Sweepstakes

ARRL November Sweepstakes (SS) is just ahead. The popular operating events -- one for CW and the other for phone (SSB) -- typically attract approximately 3,000 logs combined. For this 77th running ARRL November Sweepstakes, the CW event is November 3 - 5 (UTC), and phone is November 17 - 19 (UTC), each starting at 2100 UTC on that Saturday and running through 0259 UTC on that Monday. Stations may operate 24 of the available 30 hours. Logs are due within 7 days after the event is over. Last year saw 1,275 entries for the CW weekend, while the phone weekend attracted 1,674 logs.

The challenge of SS -- or "Sweeps" -- is to work as many stations in as many of the 83 ARRL and Radio Amateurs of Canada (RAC) sections as possible within the 24 hours available to operate. The number of sections worked is a score multiplier. Making a "clean sweep" is the goal of many SS aficionados -- working all 83 of the available US and Canadian multipliers, and qualifying for a clean sweep coffee mug. In the 2017 CW event, only 10 operators managed to work them all. Phone participants had better luck, with 78 clean sweeps. Last year, Puerto Rico (PR) and the US Virgin Islands (VI) were still reeling from devastating hurricanes, making those sections rare.

At one time, the most difficult SS multiplier was Northern Territories (NT) in Canada, where J. Allen, VY1JA, in Yukon Territory, was often the only station available. That's changed now that the VY1JA station not only has been thoroughly upgraded but can be remotely operated (as VY1AAA), although by a Canadian operator, thanks to Gerry Hull, W1VE/VE1RM, who told ARRL this week that VY1AAA is ready for SS action.

Other hard ones in 2017 appear to have been Alberta (AB), Northern New York (NNY), US Virgin Islands (VI), and Wyoming (WY).

SS is a "domestic" contest with broad appeal, and even stations with modest equipment and antennas can enjoy success. Many stations like to operate in the QRP category (output of 5 W or less), although that challenge is more daunting at this point in the solar cycle.
ARRL Letter, 10/25/2018

FT8 to be Permitted in 2019 ARRL RTTY Roundup

The ARRL Contest Branch has announced that participants in the 2019 ARRL RTTY Roundup will be permitted to use the new FT8 protocol, which is part of the WSJT-X software suite. The RTTY Roundup takes place January 5 - 6, 2019.

"Even though digital modes other than RTTY have been permitted in the RTTY Roundup for 30 years, FT8 was excluded in 2018, because it could not manage the required exchanges," ARRL Contest Branch Manager Bart Jahnke, W9JJ, said. "Through the work of the WSJT-X development team, the latest version of FT8 can handle the necessary exchanges that earlier versions were unable to do."

Some limitations will apply to FT8 entrants. Participants must use WSJT-X version 2.0 or later to ensure they are able to transmit and receive the exchange messages the event requires. No unattended operation, including QSO/macro automations, will be allowed. Neither is FT8's Fox and Hounds mode; each contact must be carried out in a one-to-one mode, manually accepting/logging each contact.

Because ARRL contest rules regarding spotting assistance prohibit the use of "automated, multi-channel decoders" by Single-Operator entrants, stations using software that decodes more than one FT8 signal at a time will have to enter as Single-Operator Unlimited or as Multioperator, just as PSK participants have had to do in the past when using fldigi or DigiPan software.
The Contest Branch is encouraging participants to spread out to help increase decoding and contact success.

"This is a great opportunity for beginners interested in digital mode contesting," Jahnke said. Complete rules are on the ARRL website.
ARRL Letter, 10/18/2018

ARRL, FCC Discussing Issue of Uncertified Imported VHF/UHF Transceivers

ARRL has taken a minor exception to the wording of a September 24 FCC Enforcement Advisory pertaining to the importation, marketing, and sale of VHF and UHF transceivers and is in discussion with FCC personnel to resolve the matter. The Enforcement Advisory was in response to the importation into the US of certain radio products that are not FCC certified for use in any radio service, but identified as Amateur Radio equipment.

"While much of this equipment is actually usable on amateur bands, the radios are also capable of operation on non-amateur frequencies allocated to radio services that require the use of equipment that has been FCC certified," ARRL said. "Such equipment is being marketed principally to the general public via mass e-marketers and not to Amateur Radio licensees."

ARRL said the upshot is that the general public has been purchasing these radios in large quantities, and they are being used on the air by unlicensed individuals. "Radio amateurs have complained of increased, unlicensed use of amateur allocations by people who are clearly unlicensed and unfamiliar with Amateur Radio operating protocols," ARRL said. But while it supports the general tenor and intent of the Enforcement Advisory, ARRL said it disagrees with the FCC on one point.

"In several places, the Enforcement Advisory makes the point that 'anyone importing, advertising, or selling such noncompliant devices should stop immediately, and anyone owning such devices should not use them,'" ARRL pointed out. "The Advisory broadly prohibits the 'use' of such radios, but our view is that there is no such prohibition relative to licensed Amateur Radio use -- entirely within amateur allocations -- of a radio that may be capable of operation in non-amateur spectrum, as long as it is not actually used to transmit in non-amateur spectrum.

ARRL has had extensive discussions about this issue with FCC Wireless Bureau and Enforcement Bureau staff, and those discussions are ongoing.

"It is important to protect the flexibility of the Amateur Service as essentially an experimental radio service, but it is also very important to stop the unlawful importation and marketing of illegal radios in the United States and the use of those radios by unlicensed persons," ARRL maintained. "We will keep our members informed as our discussions with FCC on this subject continue. ARRL Letter, 10/4/2018

FCC ENFORCEMENT ADVISORY

AMSAT's Fox-1Cliff CubeSat Ready for Launch

AMSAT reports that Vice President-Engineering Jerry Buxton, N0JY, delivered and integrated its Fox-1Cliff CubeSat into the launch vehicle on September 24, in preparation for sending it into orbit later this year. AMSAT has purchased a commercial launch opportunity for Fox-1Cliff and has been seeking contributions to cover its costs. The Fox-1Cliff CubeSat was named in memory of longtime AMSAT member, contributor, and benefactor Cliff Buttschardt, K7RR (SK), who died in 2016.

"This is the last step for AMSAT Engineering in getting one of our satellites to orbit," Buxton said in a YouTube video that explains what is involved in the final step of getting an Amateur Radio CubeSat to orbit. He explained, "Spacecraft integration is the process of mounting the spacecraft on the launch vehicle." He pointed out that a spring-loaded "dispenser" propels the CubeSat into orbit from the launch vehicle.

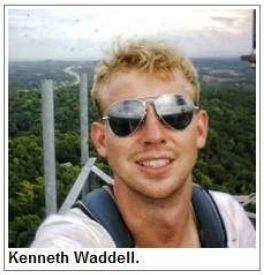
Fox-1Cliff will have FM voice uplink frequencies of 435.300 MHz and 1,267.300 MHz (67.0 Hz CTCSS tone), and FM voice and AFSK digital data (up to 9,600 bps) downlink on 145.920 MHz. The nominal transponder power is 600 mW. Because only one uplink frequency can be active at a time, use of the Mode L uplink is limited to experimental periods announced in advance.

Fox-1Cliff carries the flight spare of the AO-85 Vanderbilt University Low Energy Proton (LEP) radiation experiment, and the standard Fox-1 Penn State University-Erie gyroscope experiment. Virginia Tech provided a VGA camera, which is the same as the camera onboard AO-92 offering 640 × 480 image resolution. These non-SSTV images will be decoded in the FoxTelem software.

Unlike the other three Fox-1 FM spacecraft, Fox-1Cliff does not have an active AFC on the uplinks. Fox-1Cliff's Subaudible Telemetry (low-speed telemetry) will be the same as that on AO-85, AO-91, and AO-92. It will be supported by the same FoxTelem software already released.

Buxton said Fox-1Cliff will share dispenser space with ExseedSat-1, a CubeSat built by an eight-person team at Exseed Space Innovations Private Limited, based in Hyderabad, India, and co-founded by Ashhar Farhan, VU2ESE, the designer of the µBitX SSB/CW transceiver. Farhan and engineer Gurudatta Panda, VU3GDP, were on hand for the integration. ExseedSat-1 carries an Amateur Radio FM transponder and APRS digipeater, with a repeater, digipeater, and telemetry downlink of 145.900 MHz FM, and a repeater and digipeater uplink of 435.340 MHz. ARRL Letter, 10/4/2018

Climber Dies in Amateur Radio Tower Collapse


Kenneth Waddell.

A young Tennessee father of five is dead after the Amateur Radio tower on which he was working collapsed due to a guy anchor letting go. Thirty-year-old Ken Waddell was killed on September 29 while attempting to erect a 70-foot Rohn 25G tower in Cookeville, Tennessee. A professional tower climber, Waddell handled the tower job on a freelance basis, rather than for his employer.

According to media accounts, the new guy anchors were checked in advance of putting up the tower. Waddell was getting ready to attach a second set of guys at 70 feet when a guy at the 40-foot level let go, taking him to the ground on the section where he was attached. He was the only person on the tower when it fell, and died at the scene.

Waddell was the sole financial provider for his family, and a GoFundMe campaign has been established. The Tower Family Foundation and the Hubble Foundationhave also reached out to assist Waddell's widow, Cadie, and their five children. Both the Tower Family Foundation and the Hubble Foundation are dedicated in part to providing financial assistance and support to the families of tower workers injured or killed in tower-climbing mishaps. ARRL Letter, 10/11/2018

Emergency Prep

Here are a couple of gems from the ARES Newsletter. If you are an ARRL member you can subscribe to the newsletter by going to the ARRL website. This month check your coax, batteries, radios and go-bags. Make some contacts with club members. Stock up on food and water.

Tech Tips: Mag Mounts an Issue with More Vehicles With Non-Steel Roofs

More vehicles have non-steel roof panels constructed of fiberglass, aluminum, or carbon fiber. This makes placing a temporary mag-mount antenna on the roof difficult. We have run into this issue several times in the past when our radio operators were riding in Support And Gear (SAG), sweep, or pace vehicles during special events or riding along with a Jeep Patrol in the mountains. Recently, I was assisting a neighboring ARES region with a special event and was riding in a new law enforcement vehicle that had an aluminum roof panel. The solution was to use an HT Window Mount Clip from MFJ (MFJ-310). They make a BNC, SMA, and female SMA version of this clip so you can easily attach an HT antenna and get it outside of the vehicle. It is small enough to throw in a ruck sack if you know you will be operating from a vehicle other than your own. Operators may find other uses for this mount such as to get an antenna outside of a room with Low-E window treatment, to get some extra height for an HT antenna, etc. It may not have the same ground plane effects of a mag-mount, but it definitely works. -- John Bloodgood, KD0SFY, Emergency Coordinator and Public Information Officer, Region 2 District 2, Colorado ARES (Pikes Peak ARES); follow Pikes Peak ARES at: http://www.ppares.net/news.php

JOTA: On October 20th at the Cabrillo Youth Center in San Pedro we provided 12 boys wishing to earn the Radio Merit Badge with valuable time on the air for at least 10 minutes. We also provide time to the cub scouts which earned a pin by showing an interest in radio. The HF station logged 13 contacts and the VHF/UHF station shows 25 contacts by using echo link.

Paul also demonstrated, another part of our hobby, ATV. Boys could talk to another boy within the compound of the center and see each other as well.

Thank you, Jerry-KJ6JJ, for making it possible to link up with his node to use the internet. None of this would have been possible if it wasn't for Ray-WA6OWM and Tom-KB9ENS on the HF side. Joe-WB6MYD and Tim-KI6BGE on the VHF/UHF side and Paul-KK6BY on ATV. Clyde-WB6HLS and Bob-W6QAM provided some points of contact when no others where available to talk. Thanks guys!

SPOT the INFORMATION

Ed Hinz, KN6JN

Attendance drawing: There was no raffle or attendance drawing at the October meeting. Next month the big cash prize will be $20.00 so plan on attending the November club meeting.

Web site: Our South Bay ARC website is looking great. The site management is going through a transition as Heidi KG0GGY will be leaving us and moving out of the area. We do have plans to include even more content. Please check it out: www.w6sba.org Look at the calendar for updates on our activities and upcoming events.

Swap meet: The TRW swap meet is on November 24th. Stop by at our I-26 spot and say hello to the Swap meet gang. Tom KI6RC, Chuck K6CSH and Bill KQ6Z are running the show. Breakfast or lunch at Denny's at Artesia and Aviation at 11:00 a.m.

Holiday Party: This will be held at on our normal club meeting night, December 20, TMMC Health Conference Center. Main dishes, turkey and ham, will be provided. A listing of side dish suggestions will be forthcoming. More details to follow.

WAM Worked all Members: The last day to work WAM contacts is Saturday, December 15, 2018. Monday, December 17, 2018, logs and images of QSL cards are due. Awards will be presented to the fourth quarter winner and the overall winner at the Holiday Party.

WAM 4th Quarter Rules:
Work a SBARC member - 1 point
Work a SBARC member on the repeater - 5 points
Eyeball contact with SBARC member - 2 points
QSL card exchange confirming any of these contacts - 10 points

Richard Brehove - KM6VME is a new ham (just got licensed). He will join us when he can at meetings and such. Please welcome him and make sure you say "hello".

CALENDAR

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

Club Meeting - 3rd Thursday of the month
November 15, 2018- 7:30 p.m.

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 24, 2018, 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 2018)

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

CLUB SERVICES	
Awards Manager (HF/VHF)	Cliff - K6LH
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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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