



PROPAGATOR

The Monthly Newsletter of the South Orange Amateur Radio Association

IN THIS ISSUE

| | |
|-------------------------------------|---|
| Fall Auction | 1 |
| President's Message | 1 |
| SOARA Holiday Party | 2 |
| Coming Soon | 2 |
| VEC Exams | 2 |
| ARRL Int'l Grid Square Chase | 3 |
| Greg, N6PM New SOARA Secretary | 3 |
| S. Saturday | 3 |
| Puerto Rico Update | 4 |
| Veterans' Day Special Event Station | 4 |
| D-STAR News | 4 |
| Comm Update | 5 |
| Thank You! | 5 |
| Veterans' Day | 6 |
| Calendar | 7 |
| SOARA Info | 8 |

General Meeting

November 20,
2017
7:00 PM

NP Murray Center
Veterans Way
Mission Viejo

SOARA Fall Auction

Time to clean out the HAM shack and pick up some new projects for the winter! All are welcome to attend the next SOARA Fall Auction on Monday, November 20 at the Norman P Murray Center in Mission Viejo starting at 7pm. For more information and rules of the SOARA live auctions, click [here](#). A regularly scheduled FCC licensing examination will occur prior to the meeting at 6pm.



We have a lot of new hams in the club and seasoned hams that would be glad to take an antenna, radio, or mic off your hands. So, please bring in your ham-related items, regardless of how new or old and help your shack look a little cleaner, help your wallet and SOARA in the process.

If you are interested in selling, please be sure to arrive before the meeting to prepare your lots for sale, so we can start on time. Thank you!

rienced excellent examples of folks volunteering to fill in vacancies in the management of the club.

In recent months, 3 volunteers, who had previously been not involved with club management stepped up and filled very important positions:

First, John Zimmer, KM6BEE volunteered to take over webmaster duties on soara.org. I'm sure you've noticed the excellent articles and announcements he is authoring and posting for us, helping us all stay informed about club events.

Next, Dana Wresch, KM6LZG stepped up to fill the long vacant Activities Director position. Because this job plans and arranges such things as our upcoming Holiday Party and the Summer Picnic, as well as working on Field Day, it was daunting to many folks. Not to Dana however, she jumped in, and in very short order almost all the important details for our party were in place. Dana also has been helping hubby Eric, W6INE, with coffee and refreshments at our regular meetings, even before getting her license and officially joining SOARA.

Thirdly, as announced recently on the website, Greg De Hoogh, N6PM agreed to take on the position of SOARA Secretary, filling out the unfinished term of Lambert, K6WOW, who had to leave the area for business reasons. This is a very important position, as regulations require accurate documentation of Board meetings in order for us to maintain our IRS non-profit status.

From the President

Volunteerism

Let's celebrate our volunteers. Volunteers are what makes your club operate, and even exist. Many people put in countless hours making the things we all enjoy about SOARA, happen. Recently we have expe-

(Continued on page 2)



Veterans' Day
Nov 11

SOARA Fall Auction
Nov 20

CQWW CW
Nov 25-26

Run... for a Claus!
Dec 2

SOARA Holiday Party
Dec 3

VEC License Exams

6pm—before the General Meeting

Please see our [website](#) for more info.

Walk-ins ok.

Extra | General | Technician

SOARA Holiday Party

This year's holiday party will be held on Sunday December 3rd at Claim Jumper in Mission Viejo (Near Los Alisos and Rancho Santa Margarita Pkwy). The festivities will begin at 5:00 pm. There will be a fixed menu with 10 mouth watering options to choose from. Cost will be \$30 per person and includes your first glass of wine as well as unlimited non-alcoholic beverage options. If you care to bring a bottle of wine for you and your guest there will be a \$10 corkage fee added to your total.

Tickets can be purchased on the SOARA website - <https://www.soara.org/activities/holiday-party/>

****TICKETS MUST BE PURCHASED IN ADVANCE BY MONDAY NOVEMBER 27, 2017****

We are looking forward to seeing you all there!



Lori Carey won the 2016 WW7D SOARA Ham of the Year Award

Prior winners, and more information about the award and party can be found on the SOARA website: <https://www.soara.org/activities/holiday->

(Continued from page 1) - From the President—Volunteerism

I cannot over stress the importance of these folks stepping forward at critical times to ensure that your club continues to operate. We all owe them a great big **Thank You!** Their volunteerism is inspirational, appreciated, and necessary. Hopefully others of you will be willing to volunteer as future needs arise. SOARA depends on it!

Thanks again for your volunteerism!

73,

Ray, AE6H—SOARA President



Announcing: The ARRL International Grid Chase!

A new and exciting operating event will kick off on January 1, 2018, at 0000 UTC (New Year's Eve in US time zones), when the ARRL International Grid Chase gets under way. The year-long event hopes to build on the success of the highly successful 2016 National Parks on the Air (NPOTA). The objective is to work stations on any band (except 60 meters) in as many different Maidenhead grid squares as possible, and then upload your log data to ARRL's Logbook of The World (LoTW). Registration is free, and it costs nothing to use LoTW. Many hams are familiar with grid squares from the VHF/UHF and satellite realms, and everyone lives in one. ARRL's VUCC is based on grid squares, and some contests on HF, as well as on VHF and UHF, also use them as a scoring factor.

Greg De Hoogh Appointed SOARA Secretary

At a special Board meeting held on Monday, October 30, the SOARA Board appointed Greg De Hoogh, N6PM as club Secretary to fill out the term of Lambert Matias, KK6WOW. Lambert resigned because of a business opportunity that required he and Michelle to relocate to the East Coast. We will miss Lambert and the great contributions he has made to SOARA.

The Board welcomes Greg, who is a longtime ham and SOARA member, to the Board. We are confident he will be able to fulfill the Secretary duties with skill. Our thanks to Greg for stepping forward and throwing his hat into the ring, joining a field of three candidates.

SOARA Saturday

SOARA Saturday is an informal, easy to walk around, ask questions, and see things work event. Or, break out into your own discussion. So, attend, ask questions, have fun, share your experiences, and knowledge. SOARA will provide [coffee and donuts](#). Time 9am to noon. Contact: Ed Barnes, WA6ED@soara.org

Next SOARA Saturday:

- November 25
- Murray Center
- RTL-SDR and SDRPlay software defined radio (SDR) workshop, on Raspberry Pi3 and or PC laptop.



Ideas for 2018 SOARA Saturdays:

- ◆ T-hunt practice, build T-hunt tape measure Yagi antenna kit, kit building, how to solder, HF setup & operation, HT programming, Gordo 100 on Chirp & RT Systems, antenna analyzers, multimeter 101, antenna analyzer 101, grounding, building a cubic quad antenna, oscilloscope 101, battery box, radio go box, Bitx40 kit, ham shield, or how to properly eat a donut without getting your HT sticky.
- ◆ I need feedback and suggestions welcome! I will outline a 2018 schedule next month. Maybe another Yagi tape measure thunt antenna and offset attenuator build for January? I could order parts and put some kits together. You will need to pre-order so I don't have extra parts or waste. I still have a few HF dummy load kits with instructions. Let me know if you want one.

Thanks to all that helped out at the SoCal Prep Expo last month. See page 5 for pictures of the event. We were overwhelmed by the response.

73, Ed, WA6ED





NO SOARA Raffle This Month

The Raffle is off this month, due to the Fall Auction. The Raffle will return in January.

SOARA T-Hunt Cancelled This Month (November)

New D-STAR Satellite

There's a new D-STAR Cubesat being launched this month that may be of interest. "D-Star One" will be the first private LEO communication CubeSat as well as the first German commercial CubeSat."

<http://www.orbitalsystems.de/final-tests-of-the-d-star-one-satellite/?lang=en>



AT&T deploys LTE-equipped flying "COW" drone in Puerto Rico

AT&T said that for the first time, it's deployed a flying COW (Cell on Wings) in Puerto Rico to help with relief efforts.

Considered experimental, the technology is providing data, voice and text services to customers. AT&T said it marks the first time an LTE cell site on a drone has been successfully deployed to connect residents after a disaster.

Cell sites on wheels, or COWs, routinely have been used on the ground to supply service during outages or at high-traffic events. This particular COW flies 200 feet above the ground and can extend coverage farther than other temporary cell sites, making it ideal for remote areas. The device is delivering wireless connectivity to customers in an up to 40-square-mile area, AT&T said.

....
Overall, the situation in Puerto Rico still is not good. According to the FCC, a total of **47.8% of cell sites in Puerto Rico remained out of service as of Monday [11/6]**, something FCC Commissioner Jessica Rosenworcel has deemed unacceptable. FCC Chairman Ajit Pai met with authorities in Puerto Rico on Sunday and Monday to assess the situation and meet with government and industry officials about ways of moving forward.

Others also are lending their support to get people online. Liberty Global is sponsoring a mobile Wi-Fi tour providing free internet to communities throughout Puerto Rico most severely impacted by Hurricane Maria. Kymeta, a company Liberty Global has previously invested in, is supplying the satellite antennas while Intelsat is delivering the internet connectivity. They actually equipped three vehicles with Kymeta's antennas so that they can move the connectivity around the island to where people need it the most.

More at: <http://www.fiercewireless.com/wireless/at-t-deploys-lte-equipped-flying-cow-drone-puerto-rico>

Veterans' Day (HF) Special Event Station

The American Legion Amateur Radio Club ([TALARC](#)) station K9TAL in Indianapolis will operate special event station N9V on Saturday, November 11, 1800-2400 UTC, to commemorate Veterans' Day. N9V will be on the air from the K9TAL radio room at American Legion National Headquarters in Indianapolis to celebrate and reflect upon the service and sacrifices of US Armed Forces veterans.

Look for N9V on or around 7.225 and 14.275 MHz (SSB); on the 147.315 K9DC repeater; on IRLP 9735, and the EchoLink *CrossRds* conference node. Those who experience difficulty hearing or being heard by N9V may be able to check in via relay through TALARC members Everett Bollin, WA3DVO, in Maryland on or about 7.225 MHz (SSB) or Bill Huntimer, KI0CW, in South Dakota, on or about 14:275 MHz (SSB). Both relay stations will operate certain hours on both bands as primary net control stations. Other American Legion radio amateurs also may be available to relay messages.

If your American Legion post has an Amateur Radio club station and would like to participate as an assistant net control station, [contact](#) Bill Sloan, NZ9S.

A full-color certificate and QSL card will be sent to all radio amateurs who contact N9V by any means. Send a 9 × 12 SASE to The American Legion Amateur Radio Club, 700 N Pennsylvania St., Indianapolis, IN 46204. For more information, [contact](#) TALARC or visit the [club's website](#).



A short note from your Communications Director

Sometime soon the Tri-cities Ares/Races group will start to use our 146.025 San Clemente Repeater on Wednesdays at 7:15 pm. Please give them the courtesy of their use of our repeater for their nets. They have been using it twice a month since they organized but are finding it difficult to reach all their members on simplex.

Also it looks like we will have a great auction with lots of goodies this November 20. Mike, K6MSM and Lambert, KK6WOW have donated lots of radio gear for the auction, from H.F. antennas to coax, to radios and even a VHF repeater.

Thanks,

Heiko

AD6OI

Director of
Communications
for SOARA

SOARA Thanks You!

Thanks to all of you who helped SOARA and the community by volunteering for the **South OC Disaster Preparedness Expo** and **Cystic Fibrosis Ride** events. The Expo was especially well-attended and we ran out of some flyers! Pictures below.

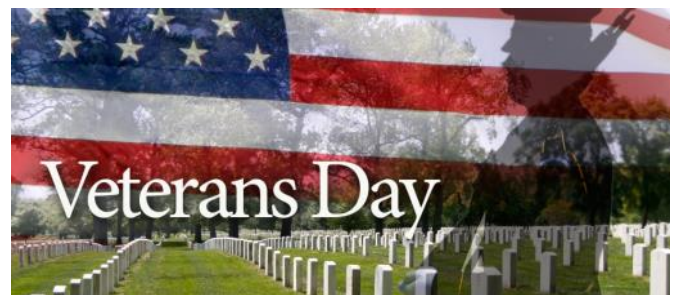




| Month | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|----------------------------|---|---|---|--|--|---|------------------------------------|--|---|--|---------------------------------------|---|
| General Meeting 7:00 PM | 23 | 27 | 20 | 17 | 15 | 19 | 17 | 21 | 18 | 16 | 20 | - |
| Program | SOTA | DXp 3Y0Z 2018 | EQ Tom Broz | You and SOARA | Spring Auction | Field Day Prep | Digital Radio | SOARA Fair | Eclipse 2017 | DX Eng. | Fall Auction | - |
| VE Testing | 23 | 27 | 20 | 17 | 15 | At Field Day 24 | 17 | 21 | 18 | 16 | 20 | -- |
| Educational Classes | 21 | 25 | 18 | 15 | 13 | 17 | 15 | 19 | 16 (Tech) | 14 (Extra) | - | - |
| SOARA Saturdays (9am) | 28 | Mar 4 | 25 | 22 | 20 Murray | 24 Gilleran | 22 Gilleran | 26 Gilleran | 23 Gilleran | 21 Murray | 25 Murray | - |
| SOARA T-Hunt | 8 | 5 | 5 | 2 | 7 | 4 | 2 | 13 | 3 | 1 | 12 | 3 |
| Board Meeting | 30 | Mar 6 | 27 | 24 | 22 | 26 | 24 | 28 | 25 | 23 | 27 | - |
| Special Events | Quartzfest 22-28 | Yuma Hamfest 17-18 | Palm Springs Hamfest Feb 4 | Visalia Intl DX 21-23 | Ohio Hamven- tion 19-21 | ARRL Field Day 23-25 | HRO Ham Jam 8 | SOARA Picnic 6 | | JOTA 20-22 | | SOARA Holiday Party 3 |
| Ham-Related Swap Meets | TRW 28 C.A.R.S. 21 | 25 18 | 25 18 | 29 15 | 27 20 | 24 17 | 29 15 | 26 19 | 30 16 | 21 28 | 25 18 | 30 16 |
| Major HF Contests | | ARRL DX-CW 18-19 CQWPX RTTY 11-12 | ARRL DX-SSB 4-5 CQWPX SSB 25-26 | | CQWPX CW 27-28 | ARRL Field Day 24-25 | | | CQWW RTTY 23-24 | CQWW SSB 28-29 | CQWW CW 25-26 | |
| Volunteer Events | OC Chili Run 21 | Paws Fur Pink 26 OC Chili Run 25 | OC Chili Run 25 Baker to Vegas 25-26 | Desert Storm Rally 7-8 | HD Trails 6 OC Mara -thon 7 Memorial Day 1/2 Mara- thon 29 | ARRL Field Day/ Setup/ Ops/ Clean 23-25 | 4th of July Fire -works 4 | | | OC Cycle for Life 7 OC Prep Expo 21 | | Run for a Claus 2 |

*Dates subject to change.

Check the [SOARA website](#) to verify locations and times.



SOARA meets at the [Norman P. Murray Center](#), 24932 Veterans Way, Mission Viejo, CA on the third Monday of every month at 7:00 PM. For the months of January and February the third Monday is a holiday and the meeting is held on the fourth Monday.



License Exams: Amateur License Exams are given prior to SOARA meetings, except June. **Exams are at 6pm.** Prior registration is not required and walk-in applicants are welcome. For June, exams are held at Field Day. For further information, email Sean Reigle, AJ6B, at aj6b@soara.org.

SOARA Library: SOARA has many amateur radio related books such as hand books, books about electrical theory, etc. available to lend out to club members. Contact Heiko Peschel ad6oi@soara.org for more info.

Web Site: SOARA maintains a web site with current club information. The URL is: <http://www.soara.org/>

Repeaters: The Laguna Beach, San Clemente, and Trabuco repeaters are open. The Santiago Peak repeaters are closed. For details or questions on the repeaters contact the repeater director, or repeater@soara.org.

| | | |
|--------|---------------------------|--------------------|
| | 2m — 147.645 — (110.9) | Laguna Beach |
| | 2m — 146.025 + (110.9) | San Clemente |
| | 2m — 145.240 — (110.9) | Trabuco |
| D-STAR | 2m — 146.115 + (K6SOA C) | Laguna Beach |
| | 220 — 224.100 — (110.9) | Laguna Beach |
| | 220 — 224.640 — (pvt) | Santiago Peak. (C) |
| | 440 — 445.660 — (110.9) | Laguna Beach |
| D-STAR | 440 — 445.705 — (K6SOA B) | Laguna Beach |
| | 440 — 447.180 — (pvt) | Santiago Peak. (C) |
| D-STAR | 1.2G 1282.600 — (K6SOA A) | Laguna Beach |

Nets:

UHF/VHF (447.180, 147.645 & 224.640): Tuesdays @ 8:00PM

D-STAR (146.115 C module):
Wednesdays @ 7:30PM

40 meter HF (7.200 MHz +/- for QRM), Sundays @ 8:00AM

10 meter HF (28.410 +/-)
Sundays after the 40m net.

Gordo HF (7.250 MHz +/- for QRM), Weekdays @ 8:30AM



SOARA OFFICERS

President: Ray Hutchinson, AE6H 949-322-8468
ae6h@soara.org

V.P.: Sean Reigle, AJ6B 714-261-1717
aj6b@soara.org

Secretary: **New!** Greg De Hoogh, N6PM
n6pm@soara.org

Treasurer: Lori Carey, NI6X 949-444-8190
ni6x@soara.org

SOARA DIRECTORS

Repeater: Brian Roode, NJ6N 949-257-2749
nj6n@soara.org

Publications: Mike Mahan, K6MSM 949-279-9936
k6msm@soara.org

Membership: Ed Barnes, WA6ED 949-468-7706
w6ed@soara.org

Education: Steve Kuver, K6UVR 949-874-1972
k6uvr@soara.org

Technical: Tom Hobbs, AE6SH 949-830-8131
ae6sh@soara.org

Communications: Heiko Peschel, AD6OI 949-859-3868
ad6oi@soara.org

SOARA APPOINTMENTS

Past President: Tom Hobbs, AE6SH 949-830-8131
ae6sh@soara.org

Activities Coordinator: Dana Wresch, KM6LZG
km6lzg@soara.org

S. Saturdays: Ed Barnes, WA6ED 949-468-7706
w6ed@soara.org

Raffle: Hal Silverman, WB6WXO 714-897-5002
wb6wxo@soara.org

Testing: Sean Reigle, AJ6B 714-261-1717
aj6b@soara.org

Website: John Zimmer, KM6BEE
km6bee@soara.org

Ambassador: Spencer Ammermon, NG6K
ng6k@soara.org