



The

August 2018

Propagator

The Monthly Newsletter of the South Orange County Amateur Radio Association

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General Meeting

August 20, 2018
7:00 PM

NP Murray
Center
Veterans Way
Mission Viejo

President's Message, August 2018

This month's message is a bit shorter than usual. I do want to comment on three things, however.

First I want to give a hearty thanks to Dana, KM6LZG, and of course to hubby Erik, W6INE for the great job they both did in planning, organizing, and presenting a great summer picnic. For those of you who missed it, the lake setting was great, there was swimming for those so inclined, as well as boat cruises on the lake, great food, and good company. It was a very successful picnic, from all I've heard. Thanks too, to all others who pitched in to bring goodies and deserts and make it another great picnic.

Next, we need to thank the firefighters of the US Forest Service, Cal Fire, and the OC Fire Authority for their excellent work on the Holy Fire. For those of you may not be aware, we came perilously close to losing much or all of the Santiago Peak Com Site, where our 447.180 and 224.640 repeaters are located. Actually, Santiago Peak is a very critical comm. site for Southern California, with not only are a number of Amateur facilities located there, but is used extensively but nearly every agency, federal, state, and local, along with many commercial service providers. There are literally hundreds of transmitters located there, and the fire came right up to the edge of the facilities, but they very aggressively successfully defended the site.

Finally, on a sadder note, it appears that the WWV and WWVH radio beacons are on the chopping block, victims of federal budget cuts to the National Institute of Standards and Technology (NIST). In addition to providing accurate time standards to many services, these Transmitters are great propagation beacons as well. The NIST FY 2019 budget cuts amount to \$49 million, and shutting down the beacons will save approximately \$6.3 million. If you are concerned about this potential shutdown, a call or email to your congressman might be in order.

Thats all I have this time, so best 73 de Ray, AE6H

Contacting Soara: Questions about SOARA? Postal mail: P.O. Box 2545, Mission Viejo, CA 92690
Send e-mail to membership@soara.org or leave a message at 949-667-0173
Facebook: K6SOA Twitter: @K6SOA

SOARA Elmer Saturday August 25 at Murray Center

SOARA Elmer Saturday August 25 at Murray Center, coffee and donuts will be provided.

This month's topic is Arduino transmitting and receiving at 433MHz & 315MHz. If you have your own Arduino example or something interesting, please bring it. Possible applications are, wireless telemetry, send data from various locations, remote relay to control something like a light or motor, make a tiny mesh to test new algorithms, test new antenna designs to improve range. Some data rates are even high enough to send pictures at a reasonable rate.

We often break into different groups and talk about all types of subjects. Go to <https://www.soara.org/activities/soara-saturdays/> for more SOARA Elmer Saturday details, like topics, information, links, time, date, location, photos...

73, Ed, WA6ED

Membership Report

Wow! 241 active members. Please let me know if someone wants to join SOARA and I will help. If you need an official SOARA badge replacement, call sign change, or have a question, email membership@soara.org. I hope to hear you on the radio soon! Make the most of your membership, get on the air and become radioactive!

SOARA email seems to always be a problem for some folks. This happens with call sign changes, new email addresses, and occasionally new members.

With new members, during the on-boarding process, I ask for an email response before emailing their Repeater User's Guide & Membership Manual PDF. This seems to work and we iron-out most issues.

Be sure to test your SOARA email by sending a test email to: <your-callsign>@soara.org. Another hint is if you no longer receive SOARA emails and others do. I will try to help. I can correct any email address errors in the database. I can also change your email address to a different email address. You need to investigate if your junk or spam filters are blocking your email. If you discover something different, please let me know what caused the problem and maybe the information will help others.

Member Changes:

1. April, new callsign WA6PRL
2. Tim, new callsign W6AHI

73, Ed, WA6ED

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[SOARA August 20th General Meeting](#) [SOARA Tech Fair](#)

All are welcome to join SOARA at the Norman P. Murray Center in Mission Viejo, CA on Monday, 8/20 at 7:00 pm for our General Meeting and annual Tech Fair.

The SOARA Fair is held once a year during the August general club meeting where club subject matter experts will hold "mini-seminars" on a range of Amateur Radio and electronic topics. The mini-seminars are held informally and you can rotate from seminar to seminar.

A sample of this year's program includes:

Ed WA6ED - Recent SOARA Saturday projects and maybe a sneak peek at some upcoming projects

Don KE6BXT - AREDN Mesh Networking System

Charley WA6RUZ - ARES/RACES Emergency Preparedness

Jimmy KK6TTL - 10-Band HF QRP radio design and a 2-Watt HF beacon design.

Garren KB6FAS - Power Supply load testing. Bring your power supply to the fair and see what it is doing ... or not doing.

Robert KE6BLR - Space Communication: connecting to the ISS, pSat and pcSat via APRS with a home brew az/el with the Arrow II antenna for 2 Meters.

Battery Box Table - Talk with various builders about their versions of homemade Battery Boxes. If you have a unique or really cool battery box; put your call sign on it and bring it in.

This FREE event is open to the public. It is always fun, informative and well received by all!

Also, if you have a pet Tech project and wish to share it with fellow members, please contact us now so we may reserve you a location in the room!

[Ham Operators Needed for Gorman Rally - August 25](#)

Operators are urgently needed to staff the Gorman Ridge Rally in Frazier Park, CA. More information can be found at <http://www.gormanrally.com/> and you should contact Greg Honeyman mgh@cox.net for more information and to volunteer.

2018 SOARA Calendar

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
General Meeting 7:00 PM	22	26	19	16	21	18	16	20	17	15	19	-
Program	Science Heads	Power Werx	OC Fire Watch	NCG	Spring Auction	Field Day Prep	TBD	SOARA Fair	ARRL Section Mgr	TBD	Fall Auction	-
FCC Ham Exam	22	26	19	16	21	At Field Day (2pm)	16	20	17	15	19	-
Educational Classes	Tech 20	Gen 24	-	Tech 14	Extra 19	Tech 16	Gen 14	Tech 18	Tech 15	-I	-	-
SOARA Elmer Saturday (9 am)	27 Murray	Mar 3 Gilleran	24 Gilleran	21 Murray	26 Murray	23 Gilleran	21 Murray	25 Murray	22 Gilleran	20 Murray	24 Murray	-
SOARA T-Hunt	7	11	4	1	6	3	1	5	2	7	4	2
Board Meeting	29	Mar 5	26	23	29	At Field Day	23	27	24	22	26	-
Special Events	Quartz- fest	Yuma Ham fest		Visalia Intl DX	Ohio Ham- vention	ARRL Field Day 22-24	HRO Ham Jam 7	SOARA Picnic 6		JOTA		SOARA Holiday Party
Major HF Contests		ARRL DX-CW CQWPX RTTY	ARRL DX-SSB CQWPX SSB		CQWPX CW	ARRL Field Day 22-24			CQWW RTTY	CQWW SSB	CQWW CW	
Volunteer Events	OC Chili Run	Paws Fur Pink	OC Chili Run Baker to Vegas	Dessert Storm Rally Vision Quest	HD Trails OC Maratho n	ARRL Field Day 22-24	MV Fire- works 4			OC Cycle fo Life OC Prep Expo		Run for a Claus

Dates subject to Change - Check the SOARA Web Site (<http://www.soara.org>) to verify locations and times

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SOARA Information

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
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SOARA APPOINTMENTS

Past President: Tom Hobbs, AE6SH 949-830-8131
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Activities Coordinator: Dana Wresch, KM6LZG
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S. Saturdays: Ed Barnes, WA6ED 949-468-7706
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