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The Monthly Newsletter of the South Orange Amateur Radio Association

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General Meeting
September 18,
2017
7:00 PM

NP Murray Center
Veterans Way
Mission Viejo

Solar Eclipse 2017



Join us at the Norman P. Murray Center in Mission Viejo, CA on Monday, 9/18 at 7:00 pm for our next General Meeting.

If you missed the great solar eclipse of 2017, be sure to get a front row seat for this month's speaker, SOARA member **Kriss Larson, KR6ISS**. Kriss will present a photographic slide show and describe his trek experience to view the solar eclipse. He will also touch on the radio implications and effects of the eclipse.

Among Kriss' several radio interests, are the low frequency radio beacons of the past, and those still in existence and on the air, around the world.

President's Message

Greetings. October will be a busy month for SOARA, with 2 big events coming up.

First, there is the California QSO Party on Saturday, October 7, 1600 UTC to Sunday, October 8, 1600 UTC. That translates to 9:00 am Saturday to 9:00 am Sunday. SOARA is planning to participate with a club station using our K6SOA call, at a location as yet to be determined. We are considering making it an informal mini field day, or an event similar to SOARA Saturday.

If they prefer, individual club members can also participate under their own call signs, and when they submit their logs, they will get credit for the contacts, AND, if on their log they designate that they are a member of a participating club, the club will also get credit for their individual contacts. Also, individuals can go mobile, portable, mountain top, or the like. The only restriction is that they actually be physically operating from a location that is within a 175 mi radius of their club home (Mission Viejo). For SOARA that 175 mi radius circle extends out to approximately Blythe, N. of Bakersfield, etc. More details to follow.

Second, there is the 10th annual South County Emergency Expo. on Saturday, October 21, at the grounds and parking lot of the Norman Murray Community Center. SOARA and Mission Viejo RACES will be participating. Members are encouraged to help staff the booths and do community outreach to the citizens, as well as prospective hams. More information will be forthcoming on this event as well.

And as always, Ed has a great SOARA Saturday planned for October 21., so lots of opportunities for learning and socializing coming up for October. Hope to see you at one or all of these fun events.

73 de Ray, AE6H



**CQWW
RTTY**
Sept 23-24

**OC Cycle for
Life**
Oct 7

**CQWW
SSB**
Oct 28-29

**SOARA
Fall Auction**
Nov 20

**CQWW
CW**
Nov 25-26

VEC License Exams

6pm—before
the General
Meeting

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

Walk-ins ok.

Extra | General |
Technician

SOARA Raffle

The \$5 prize will be a re-run of last month. It is another FT-70DR. It went over so well last month, I decided to run another. The \$1 raffle is a collection of items from HRO and HF (Harbor Freight).

See you Monday.

73.....Hal WB6WXO



SOARA Saturday

Next SOARA Saturday: **September 23**, Topic: **DSTAR**

Location: Gilleran Park, DSTAR workshop, Brian, NJ6N will host. Bring your DSTAR gear and ask questions, have fun, share your experiences, and knowledge. SOARA will provide coffee and donuts. Time: 9am to noon.

Future, SOARA Saturdays:

- Oct 21, Gilleran Park, RTL-SDR and SDRPlay software defined radio (SDR) workshop, on Raspberry Pi3 and or PC laptop. Maybe trunked scanner? Bring your SDR equipment too. We will have plenty of room.
- Nov 25, Murray Center, T-hunt practice around the center.

Call for suggestions for next year's events. Email wa6ed@soara.org.

New Activities Coordinator

It is my distinct pleasure to announce that, at our most recent Board Meeting, the SOARA Board voted unanimously to appoint Dana Wresch, KM6LZG, to the position of Activities Coordinator for the club.

We were very pleased and enthusiastic to hear of her plans for the upcoming holiday party/dinner. I conveyed to the Board her research about the Mission Viejo Claim Jumper restaurant, and the Board was very receptive, so I instructed her to go ahead and make the arrangements.

We thank you, Dana, for volunteering for this very important position. The Board and I are looking forward to working with you. If you have any questions, or need any assistance, please feel free to contact us at any time.

Best 73, Ray Hutchinson

AE6H SOARA President



Membership Report

We have 230 active members. One new member this month. I recently emailed a PDF for the Guide & Manual. If you didn't receive your PDF manual check your spam filter or email me and I will email again. I also have the older hard copy manuals if you want one. You can print the PDF too. The PDF is handy to keep on your phone. I suggest all members attend and participate in as many events as possible to gain maximum benefit from your membership.

Let me know if you need a new badge too!

Welcome!
Joe, KM6JSD
to SOARA!

Next month, October, membership dues are due! Be sure to check the amount when you receive the email. Many members carry a credit

73, Ed, WA6ED
member-ship@soara.org.

Next SOARA T-Hunt (Please Join Us!)

Sunday Oct 1, 1:00PM

If you want to learn about Thunting go to the SOARA Thunting page. <https://www.soara.org/activities/transmitter-hunting/> I suggest joining the mailing list. I also recommend the book: Transmitter Hunting, Radio Direction Finding Simplified by Moell & Curlee. Here's the link to build a tape measure antenna: http://theleggios.net/wb2hol/projects/rdf/tape_bm.htm We built several of these tape measure antennas about a year ago at a SOARA Saturday. This is the offset attenuator kit: <https://kc9on.com/store/amateur-radio-kits/fox-hunt-offset-attenuator/> You will need to put it in a box and add coax with connectors. Triangulation software for Android and iPhone: <http://www.amcept.com/sigtrax/> And, if you want to get fancy you will want the VHF Sniffer MK4 <http://www.foxhunt.com.au/>

I'm in the parts ordering process to build a cubic quad VHF antenna for hunting. Maybe this could be a future SOARA Saturday project if enough folks are interested. We could also build the tape measure 3 element Yagi-Uda antenna again if there is enough interest. Get your tape measure free at Harbor Freight when the coupon is available.

I have the T to hide for the October 1st Thunt. I will do my best to make it straightforward for those new to thunting. Dust off that equipment and get out there and hunt. If you want to get started join the SOARA mailing list and do a ride along with more experienced hunters. I'm sure someone hunting will welcome you to join them. I hope to see you hunting!

73,

Ed, WA6ED

CF Cycle for Life October 7

From your communications director.

Ham Radio Volunteers Needed:

Contact Heiko ad6oi@soara.org

Our next special event is on Oct 7. It is the Cystic Fibrosis Cycle for life. This is a benefit to support Cystic Fibrosis and we have supported it for several years now. It consists of two courses, both starting and finishing in Dana Point, the short course comes up to Lake Forest and then loops back to Dana Point, the long course goes to the back bay in Newport Beach and then back to the start. If you are interested in helping out please get in touch with me at (949) 859-3868 or e-mail me at [<ad6oi@soara.org>](mailto:ad6oi@soara.org)

Thanks, Heiko, AD6OI



Support the Amateur Radio Parity Act!

Please take action on this important item from ARRL. The site will deliver your messages to your elected officials.

arrrl.rallycongress.net/

Check its status here:

<https://www.govtrack.us/congress/bills/115/s1534>

For Sale

SOARA has two Equipment Cabinets (racks) 19" wide about 6' high. Available to members for bid or best offer.

One cabinet has solid steel doors, the other has plexiglass doors.

Magnetic Loop Antenna

Chapter 3 is up for Reading!

<http://w6si.com>

Thank you,
de W6Si / Tak

Get Your Extra! (HAM Radio Class)

- Live high frequency equipment demonstrations, including emergency communications.
- Dipole antenna construction plus mobile antenna demonstrations.
- Multiple choice examinations with no Morse code test required.
- Learn how to put up "hidden" wire antennas to work the world!
- Discussions on which equipment to purchase and not get stuck with bad junk.
- Learn high frequency net operating etiquette and procedures, with live equipment.

Ham radio operators provide valuable communications in an emergency. Many cities throughout the country use ham radio operators to support Community Emergency Response Team (CERT) training and actual call-outs. This six-session class will feature live ham radio equipment for everyone to learn how to operate the worldwide bands. With homework between sessions, spend a few weeks learning to get on the exciting world wide bands by passing your amateur radio Element 4 Amateur Extra Class examination.

- Class Schedule: 10/14
- Location: Norman P. Murray Community & Senior Center, 24932 Veterans Way, Mission Viejo, CA 92692
- Costs: FREE instruction, \$15.00 FCC examination fee (exams given monthly on schedule)
- Required Materials: Gordon West 2016-20 Extra Class Study Manual (~\$25) ISBN-13: 978-0945053866
- Registration: Registration opens 3 weeks prior to session, and is required by completing the form below.
- Sponsor: South Orange Amateur Radio Association (www.soara.org)
- Questions?: Contact Steve Kuver, K6UVR@soara.org (Education Director), and/or Sean Reigle, AJ6B,aj6b@soara.org (instructor) Heiko Peschel, AD6OI,ad6oi@soara.org (949)859-3868
- Homework: Combined Study Guide (Gordon West)

Notice: Auto Patch Discontinued

Dear Members,

At the August regularly scheduled Board Meeting, the SOARA Board of Directors unanimously decided, as a cost cutting measure, to discontinue auto patch service on the two Santiago Peak repeaters (224.640 and 447.180).

This was done to avoid the necessity of a member's dues increase, and because the use of the auto patch feature on these repeaters has essentially been nil over the past few years. The auto patch depends on landline connections to the mountaintop, and AT&T has recently increased their rate by approximately 15%, with more increases certainly to come in the future. We are required to use commercial rate phone lines which have become quite expensive. Accordingly, we are cancelling our landline service to the Santiago site.

If you have any questions, please feel free to contact me, or Brian, NJ6N.

73 de Ray, AE6H
SOARA President



10th Annual South County Disaster Preparedness Expo

Saturday, October 21, 2017 - 8:00am to 12:00pm

The City of Mission Viejo and Orange County Sheriff's Department have scheduled our 29th Annual Walk Against Drugs and Community Fair for Saturday, October 21, 2017. This event unites the City and Sheriff's Department with our local schools, businesses, residents and community groups to share an important message with students and families. In unity, we promote healthy choices and drug-free lifestyles to nearly 4,000 participants.

Also look for the South County Disaster Preparedness Expo which will provide information to residents of all ages on various aspects of emergency preparedness.

SOARA is once again considering attending this event. Please let us know if you are interested in helping. Thank you.

SOARA Saturday Report

August

Thank you all who brought antennas and came out to play with them at Gilleran Park for the August SOARA Saturday. A great time was had by all and some contacts were made. There were many compact HF models to look at and experiment with. I also got quite a few ideas for antenna mounts.

A picture of some of these is below and a couple close-up pictures are in the sidebar.



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	TBD	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 Gilleran	25 Murray	-
SOARA T-Hunt	8	5	5	2	7	4	2	13	3	1	5	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 Marathon 29	ARRL Field Day/ Setup/ Ops/ Clean 23-25	4th of July Fire -works 4			OC Cycle for Life 7		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: Lambert Matias, KK6WOW 312-545-2270
kk6wow@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
wa6ed@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: *New!* Dana Wresch, KM6LZG
km6lzg@soara.org

S. Saturdays: Ed Barnes, WA6ED 949-468-7706
wa6ed@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 [Blog
ng6k@soara.org](mailto:ng6k@soara.org)