



The

November 2018

Propagator

The Monthly Newsletter of the South Orange County Amateur Radio Association

In This Issue

Vice Presidents
Message..... 1

Holiday Party. .2

Elmer Sat.....2

Membership
Report.....

Repeater
Director Rpt....3

2018 Financial
Report.....3

Raffle Winner. .5

Emergency
Expo.....6

General Meeting

November 19,
2018
7:00 PM

NP Murray
Center
Veterans Way
Mission Viejo

Vice-President's Message, November 2018

Good Evening all members.

I'd like to remind you that the SOARA Fall Auction is next Monday, November 19. Here is an opportunity to bring some gear to auction so you can make room for the gear you're buying. Either way, you never know what may roll through the door. If you know how this works, great. If you don't know how it works, you can find all the necessary information on the SOARA website. I will have fresh brewed coffee as usual and snacks. Look forward to seeing many of you there at the Murray Center. Please remember to arrive early if you are bringing in items to auction off so as to label those items before 7pm.

On a separate subject, I would like feedback from you (the club members). I want to know how many people are interested in Transmitter Hunting.

We have had a SOARA Saturday in the past where we built tape measure antennas and then took them out to learn how to track transmitters. This is a very useful skill and can be a lot of fun as well. This is the very skill that was able to track down and recover a High Altitude Balloon this past Saturday/Sunday. More impressive a feat as the payload landed 20 miles away from where it was expected to be and the APRS transmitter on board was not broadcasting position its which left nothing but the back up transmitter. Old school transmitter hunting located the payload.

The thought is to have another antenna building session in the spring followed by a guest speaker the following month and a t-hunt in the area around the Murray Center the Saturday following. If there is enough interest in doing this, I'm happy to help get it going....but you guys need to tell me if you're interested or not. I will plug at this a bit and see what happens. I would like to an email from people telling either they are interested or not, and if not please tell me briefly why.

See you at the auction.

Erik Wresch (W6INE)
VP - South Orange Amateur Radio Association

SOARA Holiday Party - December 2 - Claim Jumper

Please join us on Sunday, December 2, 2018 from 5:00 pm - 8:00 pm at Claim Jumper in Mission Viejo for the 2018 annual SOARA Holiday Party. Tickets are available for purchase now on the SOARA website HERE (link: <https://www.soara.org/activities/holiday-party/>). Cost is \$30 per person and includes: dinner, dessert, 1 glass of wine, all non-alcoholic beverages and a raffle ticket. **Guests/Spouses are also invited for the same cost.

This is a fun relaxing evening for us all to get together and celebrate the year, award to coveted Richard Coyne trophy and maybe win a radio or other exciting door prize.

Looking forward to seeing you all there!

73, Dana Wresch - KM6LZG SOARA Activities Director

SOARA Elmer Saturday November 24 - Murray Center

SOARA Elmer Saturday will be November 24 at Murray Center, coffee and donuts will be provided, 9 am to noon. Coffee & donut donations are greatly appreciated to help offset costs by those who benefit from this event.

This month's topic is combined due to the Emergency Expo last month. We will demo kits, projects, and 3D printing stuff with a ham radio focus. Bring your kits or 3D printed projects. 3D printers and soldering irons are welcome too. We plan to have fun talking about our projects! Everyone is encouraged to bring several projects to discuss and share ideas. Or, just show up and see what others bring.

Go to <https://www.soara.org/activities/soara-saturdays/> for more SOARA Elmer Saturday details, like topics, information, links, time, date, location, photos, etc. Let me know if you want to be an Elmer. I will make you a new special edition Elmer badge. I promise there is no test, just a willingness to help others

73, Ed, WA6ED

Membership Report

Stats: 242 Active members, 149 paid. We are making good progress on membership renewals. Dues are SOARA's main revenue source and pays the bills to keep the

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repeaters going, field day, and many other important items like insurance. So, please renew your membership promptly. If you have a membership 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 participate in our activities.

73, Ed, WA6ED

[Repeater Director Report](#)

Santiago 440 Repeater Update

We owe Richard (K6RBS) a debt of gratitude in finding two of the repeaters involved in the mixing that has been causing unwanted interference by producing a signal with qualifying PL on the input of our Santiago 447.180 machine.

One of the system owners recently updated their PL erroneously to 131.8 which provided the necessary PL tone to key up our repeater when the other three were active.

The repeater keeper for the repeater that has our PL on its output will be updating that as soon as he can. Until then, he has suggested that they can unlink it from their system to reduce the activity. We've asked them to do that.

Even with the PL changed, we will likely hear the results of the mixing on the input along with other stations, mostly weaker stations (e.g. HTs). A normal user who is transmitting on the input frequency with a qualifying PL should easily overpower the weaker signal produced by the mixing.

[SOARA September 30, 2018 Year End Financial Report](#)

The following is SOARA's Statement of Revenue and Expenses for Fiscal Year 2017-18. Maintaining our network of repeaters is SOARA's largest expense, and including insurance these costs comprised 73% of membership dues & initiation fees last year. Please note that we used very little of the budget allocated for Repairs and Maintenance this past year, and the Board has voted to carryover a portion of the remaining budget into 2018-19 in anticipation of some needed upgrades resulting in higher expenses

Revenue:

Membership	\$12,352.69
Activities:	
Auction Commissions	\$321.00
Donations - Unrestricted	\$965.00
Donations - Restricted	\$275.00
Asset Disposal	\$900.00
Total Revenue	\$14,813.69

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Expenses:	% of membership revenue	
Site Rental:		
Santiago Peak	\$4,200.00	
City of San Clemente	\$120.00	
	\$4,320.00	34.97%
Utilities:		
Internet DSL	\$847.92	
Telephone Lines	\$2,665.09	
	\$3,513.01	28.44%
Website:		
Linode	\$150.00	1.21%
Insurance		
Hartford	\$623.00	
Mercer	\$240.44	
	\$863.44	6.99%
Post Office Box	\$94.00	0.76%
Postage	\$0.00	
Corporate Fees	\$0.00	
Activities:		
SOARA Saturday	\$68.09	
Field Day - Food	\$769.74	
Field Day - Other (Generator)	\$494.63	
Picnic	\$0.00	
	\$1,332.46	10.79%
Equipment and Repeater Maintenance	\$268.00	2.17%
Total Expenses	\$10,540.91	85.33%
Net Revenue	\$4,272.78	
Ending Cash Balance	\$9,966.43	
PayPal Balance	\$550.37	
Raffle Income	\$2,565.00	
Raffle Expense	\$2,402.82	

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[October 2018 Raffle Winner](#)

Congratulations to James Stewart - KJ6FHE for winning the \$5 raffle - Alinco DR-735



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[October 2018 SOARA Saturday - Emergency Preparedness Expo](#)



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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	ARRL Section Mgr	SOARA Fair	Science Heads HAB	Wayne Springs W6IRD	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	-	-	-
SOARA Elmer Saturday (9 am)	27 Murray	Mar 3 Gilleran	24 Gilleran	21 Murray	26 Murray	23 Gilleran	21 Murray	25 Murray	22 Gilleran	None E-Expo	24 Murray	-
SOARA T-Humt	7	11	4	1	6	3	1	5	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 2
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 Marathon	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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2019 SOARA Calendar

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
General Meeting 7:00 PM	28	25	18	15	20	17	15	19	16	21	18	-
Program	-	-	-	-	Spring Auction	Field Day Prep	-	SOARA Fair	-	-	Fall Auction	-
FCC Ham Exam 6:00 PM	28	25	18	15	20	At Field Day (2pm)	15	19	16	21	18	-
Education Classes 8:00 AM	Tech 26	-	-	Tech 13	General 18	Tech 15	Extra 13	Tech 17	General 14	-	Tech 16	-
SOARA Elmer Saturday 9:00 AM	Feb 2 Murray	Mar 2 Murray	23 Murray	20 Gilleran	25 Murray	22 Gilleran	20 Gilleran	24 Murray	21 Murray	26 Gilleran	23 Gilleran	-
SOARA T-Hunt	-	-	-	-	-	-	-	-	-	-	-	-
Board Meeting	Feb 4	Mar 4	25	22	28	-	22	26	23	28	25	-
Special Events	Quartz-fest 20-26	Yuma 22-24		Visalia DX 12-14	Dayton Ham-vention 17-19	ARRL Field Day 21-23	HRO Ham Jam -	SOARA Picnic -		JOTA		SOARA Holiday Party -
Major HF Contests		ARRL DX-CW	ARRL DX-SSB CQWPX SSB		CQWPX CW	ARRL Field Day 21-23			CQWW RTTY	CQWW SSB	CQWW CW	
Volunteer Events	OC Chili Run	Paws Fur Pink OC Chili Run	OC Chili Run Baker to Vegas	Dessert Storm Rally Ride for Rwanda	HD Trails OC Marathon	ARRL Field Day 21-23	MV Fire-works 4			Vision Quest		Run for a Claus

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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

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SOARA APPOINTMENTS

Past President: Tom Hobbs, AE6SH 949-830-8131
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