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The Monthly Newsletter of the South Orange County Amateur Radio Association

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General Meeting

NPM Center
Jan 22, 2023
7:00 PM

Norman P. Murray
Center
23492 Veterans
Way, Mission Viejo,
CA 92692

President's Message

The Holiday Season is upon us! Because of this, the next regular SOARA meeting is not until January, 22. It's delayed by one week because of the Martin Luther King Holiday falling on the 3rd Monday, and the Murray Center is closed. We will be having SOARA Elmer Saturday on December 16, however.

We held our annual Holiday Party, this past Friday evening, at the Murray Center with 40 members and guests attending. We had a great catered meal, live music, handed out a large number of door prizes, as well awarding the WW7D trophy.

This year's WW7D honoree was Ron Mosher, KOPGE, our SOARA Treasurer, for his outstanding efforts in revamping the Auction software to facilitate much smoother processing of sales and purchases, giving the Board up to date Board Operating Guidelines, filing the numerous legally required regulatory filings for our non-profit cooperation status, and much more. Ron's award was well deserved, IMO. Congratulations, Ron!

Upcoming activities, in the future, in addition to the Elmer Saturday on December 16, and your Regular Meeting on January, 22, SOARA will be participating in Winter Field Day (WFD) at Gilleran Park on Saturday, January 27. Stay tuned for more info. on our WFD.

I sincerely wish all of you a very merry Christmas, Happy Hanukah, or whatever holiday(s) you choose to celebrate, and a very prosperous New Year! Enjoy your friends and loved ones, and we look forward to seeing you all, January 22, 2024 if not before!

Best 73 de Ray, AE6H

[SOARA Membership Report](#)

Our membership count currently stands at 220 active members.

We're pleased to welcome one new member:

- Erik Mansoor, KK6PWG

If you need a new badge or a copy of the repeater manual, send me an email at membership@soara.org

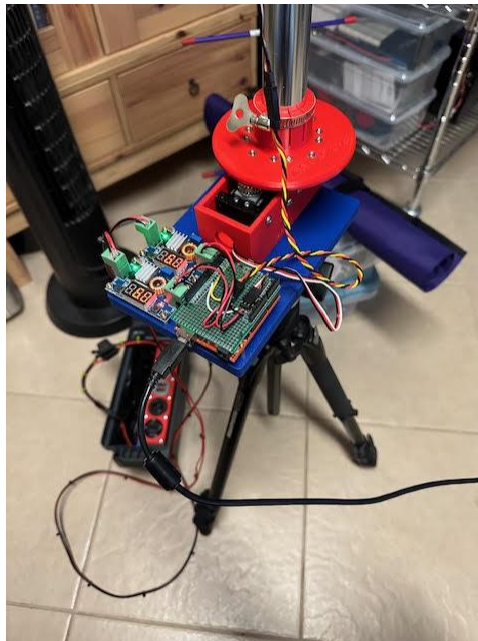
73, Greg, N6PM

SOARA Membership Director

[SOARA Saturday November Report and 2024 Planning](#)

Greg N6PM brought the donuts and I made the coffee. The air pots are getting a workout. Donuts cost \$19.98 and \$20 was donated to cover donut costs with a fund balance of \$50. We broke even at the last minute thanks to Greg and Charlie.

Attendees: WA6ED, N6PM, W6WK, K6NOV, KN6BMR, K6UVR, KO6AOL, KK6UMB, AE6H, W6DS, KC6FZY, KN6SIP. There were others that didn't sign in. Probably about 15 total attendees.



I demoed my satellite antenna tracker build. I broke the 3D printed tripod mount while setting up. So, no complete photos until I get it fixed. I did demo servos moving and tracking a satellite without the antenna attached using the satpc32 software. I have

more testing to go on this project. This is the antenna tracker based on the article in the last Nov 2023 QST.



David, W6DS (right sitting) demoing CW, with various keys and accessories. website: www.hamradio.solutions



Ray, AE6H (sitting at radio) operating his new Yaesu FT-710AESS? The portable vertical antenna is outside on the patio.



Steve, K6UVR operating on the patio with his chameleon magnetic loop antenna.



Ray, K6NOV demoed building a kit. I showed Ray the tip tinner compound on his oxidized iron tip. Tiptinner is from thermaltronics.com.

2024 Let me know what you want or I pick...

Past Topics & Ideas:

1. Soldering / kit building
2. SDR, RTLSDR, and others
3. CW
4. Satellites / tracker
5. Arduino / Raspberry Pi ham projects
6. APRS

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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

7. 3D printing
8. Portable operation
9. How to be a net control
- 10.VEC discussion
- 11.Firewatch
- 12.Emergency power / communications
- 13.Thunting / Tape measure antenna build / demos / practice hunt
- 14.Restoring vintage radios
- 15.Battery boxes / connector boxes
- 16.Test Equipment demos / measurements
- 17.Antennas / NanoVNA / Rigexpert and other analyzers
- 18.Chirp and programming files for new members
- 19.HF at the park
- 20.Noise hunting, ferrites
- 21.FT8 JTAAlert WSJTX
- 22.Hamclock
- 23.Smith Charts
- 24.Solar panels / emergency power
- 25.Grounding and bonding
- 26.Megger, high voltage testing
- 27.100W HF Dummy load build
- 28.Field strength meter with Harbor Freight DMM build
- 29.RF safety / RF exposure limits ARRL resources
- 30.Radio books, ARRL and others
- 31.QRP operation
- 32.Magnetic loop Antenna build and demo
- 33.HT programming
- 34.Nano keyer, Morserino-32
- 35.TinySA
36. Beyond 70cm, microwave and mmwave / 3cm band VK3FS

73,
 Ed, WA6ED
 SOARA Elmer Saturday Coordinator

SOARA - Statement of Cash Income & Expenses
October 1, 2023 Through November 30, 2023

SOARA - Statement of Cash Income & Expenses October 1, 2023 Through November 30, 2023			
Two Months Ended:	November 30 <u>2023</u>	November 30 <u>2022</u>	Increase (Decrease)
Cash Income:			
Memberships	6,183	6,209	(27)
Other	<u>1,350</u>	<u>3,103</u>	<u>(1,753)</u>
Total Cash Income	<u>7,533</u>	<u>9,312</u>	<u>(1,780)</u>
Cash Expenses:			
Repeaters including site rental, utilities & insurance	956	976	(20)
Member Activities	1,222	632	590
Other expenses	<u>299</u>	<u>660</u>	<u>(361)</u>
Total Cash Expenses	<u>2,478</u>	<u>2,268</u>	<u>210</u>
Cash Net Income	5,054	7,044	(1,990)
Beginning Cash-October 1	<u>24,917</u>	<u>25,860</u>	<u>(943)</u>
Ending Cash - November 30	29,972	32,904	(2,932)
Note: If any member has questions about the financials, please contact the Treasurer or any Board member.			

Ron Mosher - K0PGE
SOARA Treasurer

SOARA Nets and Repeaters

As many of you already know, SOARA has nets two nights a week and both Saturday and Sunday. There are also many other nets on our repeaters as well.

We have about seven or eight different net controls for over two dozen available positions every month, depending on whether the month has four or five turns available.

We are always looking for more Net Control operators so please apply if you want to join our select group.

In general our nets are friendly and easy going but there are some rules that we should follow, not many thank goodness.

- The FCC requires you to identify with your call sign within ten minutes of getting on the air and every ten minutes thereafter including when you finish the conversation.
- We (SOARA) as well as almost all organizations with repeaters ask you to identify yourself with your FCC issued I.D. when you first get on the air and then follow the FCC guidelines, including when signing off.
- Other than that we try to avoid controversial subjects that might displease or anger others.

Now to the fun part.

- First of all, all SOARA nets are directed nets and the Net Control is in charge.
- In a conversation with a friend recently we came up with some thoughts and ideas on how to run an amateur radio net and also how to respond to it.
- As Net Control you should try to let your guests do the talking. Guests please feel free to express yourselves.
- Prime them with a good general topic that they can expound on. Guests, if you have topical suggestions for the Net please address the Net Control operator with your thoughts.
- Net Controls, prepare yourself with some good leading questions ahead of time to ask when you need to get a response.
- If it is a small group let them do a round robin, being sure to remind them who is before and who follows. This will make it easier for you.
- Round robin is from Net Control to the first operator A, then to operator B, then to operator C, and so on until everyone has had a chance to express themselves.
- If one operator has a question for another operator, let the operators go directly one to another as necessary, this will save you time and effort.
- In general make sure that they are enjoying themselves.

- Never put anyone in a position where they might feel uncomfortable.
- As a special note for my Emergency Communications friends, this is for our casual SOARA nets, Emcom lives by a different set of rules.

Nota bene: been there and done that.

Heiko AD6OI

2023 SOARA Calendar

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
General Meeting 7:00 PM	30 Online	27	20	17	15	19	17	21	18	16	20	-
Program		-	-	-		Field Day Prep	-	-	-	-		-
FCC Ham Exam 6:00 PM		-	-	-	-	-	-	-	-	-	-	-
Education Classes 8:00 AM			-	-	-	-						-
SOARA Elmer Saturday 9:00 AM	28 WFD Gillieran	Mar 4 Murray Center	18 Murray Center	22 Murray Center	20 Gillieran Park	24 FD Gillieran	22 Gillieran Park	26 Gillieran Park	23 Gillieran Park	21 Gillieran Park	25 Murray Center	16 Murray Center
SOARA T-Hunt 1:00 pm	updates	updates	Updates	Updates	Updates	Updates	Updates	Updates	Updates	Updates	Updates	updates
Board Meeting	Feb 6	Mar 6	27	24	22	FD	24	28	25	23	27	-
Special Events	Quartz- fest 17-23	Palm Springs		Visalia DX	Dayton Ham- vention	SOARA Auction 10			SOARA Picnic 17	JOTA 20-22	SOARA Auction 20	SOARA Holiday Party 8
Major HF Contests		ARRL DX-CW 20-21	ARRL DX-SSB 6-7 CQWPX SSB 27-28		CQWPX CW 29-30	ARRL Field Day 23-25			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 LH Marathon	ARRL Field Day 23-25	MV Fire- works 4				Vision Quest OC Marathon	

Dates subject to Change - Check the SOARA Web Site (<http://www.soara.org>) to verify locations and times or click on the live links in the table

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:

- 40 meter HF (7.200 MHz +/- , Sundays @ 8 AM
- 10 meter HF (Technicians Welcome) (28.415 +/-) Sundays @ 9 AM
- General Membership Net - UHF/VHF (447.180, 147.645 & 224.640): Tuesdays @ 8 PM
- D-STAR (146.115 C module): Wednesdays @ 8 PM
- Tech Net - 147.645, 224.640, 447.180: Saturdays @ 9 AM

- California Rescue Communications (Gordo Net) HF (7.250 MHz +/- for QRM): Weekdays @ 8:30AM
- MVRACES - 447.180: Tuesdays @ 7PM
- Tri-Cities RACES - 146.025: Wednesdays @ 8 PM
- LNACS - 147.645: Thursdays @ 7 PM
- OC Parks Fire Watch - 447.180: Thursdays @ 8 PM

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: Joe Perrigoue, K7KCE
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S. Saturdays: Ed Barnes, WA6ED 949-468-7706
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Raffle: Bill Colvin KM6FOY
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Testing: Steve Kuver K6UVR
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Website: Open

Ambassador: Heiko Peschel, AD6OI
ad6oi@soara.org