



The

November 2021

Propagator

The Monthly Newsletter of the South Orange County Amateur Radio Association

In This Issue

**President's
Message1**

**General Meeting
Auction.....2**

**Nets/Repeaters
.....3**

**Santiago
Antennas.....4**

Membership....5

**Soara Elmer
Saturday.....6**

**Swap Meets are
Back!.....7**

**Financial Report
.....9**

**Soara Library 10
Sale Mail List.10**

General Meeting

**November 15,
2021 6:00 PM**

**Norman P. Murray
Center**

**23492 Veterans
Way, Mission Viejo,
CA 92692**

Presidents Message - November 2021

How Exciting! We're actually going to have a live SOARA ham radio equipment auction this coming Monday evening. It's been a long time awaiting!

For those of you who have participated in previous SOARA live auctions, there are some changes to the procedures. These changes have become necessary because of stricter time constraints with our use of the Norman P. Murray Community Center. We MUST be finished and clear of the building by 9pm, sharp! Otherwise, we risk jeopardizing the future use of this great meeting facility that we enjoy.

The need to be all settled up financially, and out by 9pm has restricted the way we have to do things: First, each seller is limited to 5 lots, the lots need to be plainly tagged prior to the start of the auction, and the auction needs to start and end promptly. Buyers are encouraged to go to the cashier and pay for items they have purchased while the auction is ongoing. Other than that, to eliminate the time consuming confusion during the sales, we ask that everyone remain seated, and not be crowding the display tables after the auction has started. We strongly urge both sellers and buyers to come early. Coming as early as 6pm is strongly advised for sellers, but buyers may want to come then as well. Viewing of the items will commence at 6:30 pm and be finished by 7:00 PM!

That brings us to the auction tags. There is a [link](#) on the website to the new 2 part tags. Ideally seller can pre-print these tags at home, fill them out and have them ready to attach as soon as they arrive. (SOARA will provide masking tape to attach the tags). That brings us to filling out the tag. It should be fairly self explanatory, but I'll give you some hints below.

First, DO NOT fill out the Lot # blocks. Lot numbers will be assigned by the auction crew.

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

DO indicate whether you wish to donate all the proceeds from that item to the club by checking the appropriate boxes on both the upper and lower portions of the tag.

DO Briefly describe your Lot item, on both parts of the tag. Example: Kenwood TS-430 HF radio, mic. ext. speaker, or Box of spare parts, etc.

DO put your name and call on both parts of the tag under "seller". This insures you get paid!

The tags parts will be separated and the remaining blocks filled in by the auction staff.

The upper half of the tag remains on the item after sold, and the lower half is given to cashier by the auction crew as soon as the item is sold.

Again, all the above is done to speed up the auction process, so that all sellers and buyers are accommodated, and most important, we can be clear of the auction room by 9:00 PM.

Hope you can participate in, and enjoy this first auction. Happy hunting!

73 de Ray, AE6H.

[General Meeting - SOARA Auction](#)

It has been a long time since we've had a SOARA Auction. This is our first time back to do an auction at the Norman P. Murray since 2019.

There have been some changes in how the auction will run. Please visit the SOARA Auction Page <https://www.soara.org/activities/live-auction/> for more information.

Preview to the auction will be from 6:00 to 6:45 pm with the auction starting promptly at 6:45 and ending at 8:30 sharp!

Click here to open a PDF file to print your item labels at home: [AUCTION LABELS](#)

We hope to see you there!

Masking is not required; but we do ask that you use your best judgment of whether or not you should.

Ham Radio Examinations will be NOT be administered this evening. Email Steve Kuver at K6UVR@soara.org for information on testing.

Erik Wresch

Vice President - South Orange Amateur Radio Association

[SOARA Nets and Repeaters](#)

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

We all understand that amateur radio is about communications, but it is much more than that. It includes learning from others, interacting with others, teaching others, and improving our service (hobby).

Having said that I would like to talk about our nets and our repeater system.

On Temple Hill in Laguna we have six repeaters, three FM and three D star and they can be linked within their modes.

On Santiago Peak we have two FM repeaters that can operate stand alone or as a linked set.

When we have recurring nets such as Tuesday, Wednesday and Saturday, they link automatically about five minutes before the net is due to start.

Tuesday, 147,645, 224.640, 447.180 and sometimes 146.025, are linked at 7:55pm.

Wednesday I manually link 147.645 with 447.180 and sometimes 224.640, at 6:55pm.

Friday, we link the repeaters if there is a request otherwise the net is at 7pm on 447.180.

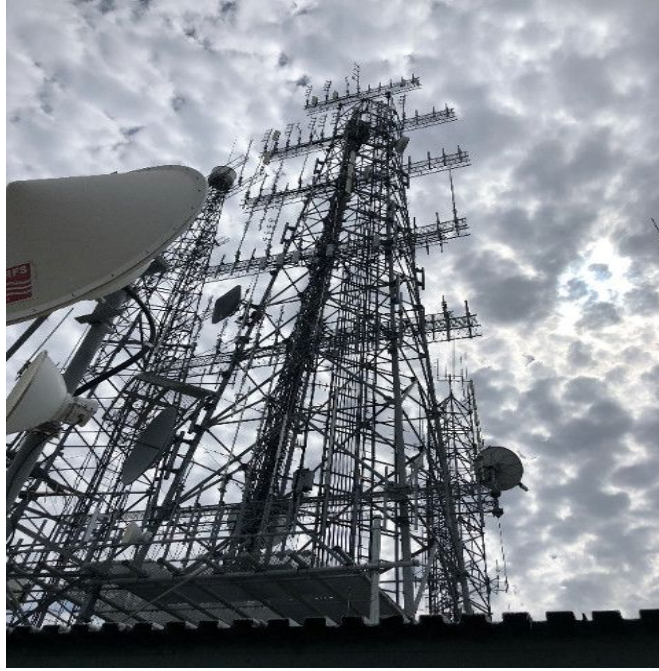
Saturday , 147,645, 224.640, 447.180 and sometimes 146.025, are linked at 8:55am.

This happens every week so please listen before you key down.

On a different note I would like all of you to use our repeaters more often, especially the Temple Hill repeaters in Laguna. Whether you enjoy talking on FM or on D star we can accomodate you.

Heiko AD6OI
Director of Communications for SOARA

[SOARA Antenna Work on Santiago Peak](#)



On October 11 Mike AI6WE and I went up to Santiago Peak to replace and relocate the link Yagi's for the SOARA and WR6AAC repeaters.

The problem over the years has been that ice would fall off the tower and bend and break the Yagi antennas. The solution was to move them out to the end of the cross arm and locate them under the grating to protect them from the ice. This is all located on the 40-foot level of the tower.



This is the old location on the Yagi pole WR6AAC repeater antenna is second from bottom with a bent boom. The SOARA antenna is the 3rd one from the bottom and elements are twisted, later ice hit it and bent boom also.

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



The new location under the cross arm, it's hard to see as we were in the clouds that day and it was windy and cold! So, if you look closely the SOARA antenna is gold on the bottom and is horizontally polarized. The black WR6AAC antenna is directly above and vertically polarized.

A special thanks to Mike AI6WE for his assistance getting this project done before winter sets in.

Joe Orrico WB6HRO / WR6AAC

[SOARA Membership Report](#)

Please welcome four new members! Get on the air and participate in SOARA events. Your membership will have more value if you do something.

- W1LBG, Bill
- KN6WTR, Kathleen
- KN6OQQ, Brian
- AD6IU, Dick

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

Dues are due. If you have a non standard amount to pay, just select pay other amount on the SOARA BrainTree payment page. Look at your email reminder carefully. Many members carry a dues balance and only need to pay the lesser amount indicated.

Statistic	Value
Total Records	686
Types	-
Silent Key	29
Family Member	15
Inactive Member	423
Life Member	3
Regular Member	212
Student Member	4
Total Active Members	234
Classes	-
Advanced	14
Extra	227
General	191
Novice	1
Technician	247
Not Licensed	6
Dues Status	-
PAID	162
UNPAID	69
Membership Dues 2021/2022	\$-10973.00
Dues Payment 2021/2022	\$7578.50
Initiation Fee 2021/2022	\$-220.00
New Member Dues 2021/2022	\$-188.00

Written by Brian Roode, NJ6N

162 members paid dues and 69 unpaid. Not bad, but it would be nice to be dues complete soon! Dues pay SOARA's bills. Things like repeater rental and maintenance, phone lines for backup repeater control, insurance, field day food, lanyards, and numerous other items.

I will be making badges for new members soon. I also have lots of badges that members haven't picked up. Custom blue and orange SOARA lanyards are available too. One per member please. If you need more SOARA lanyards they are only \$1 each. I will have badges and lanyards available at most SOARA events.

**73,
Ed, WA6ED
SOARA Membership Director**

[SOARA Elmer Saturday Updates/ Tech Net](#)

The SOARA Saturday Tech Net is every Saturday at 9 am, except when we are at the live SOARA Elmer Saturday at Gilleran Park or the Murray Center. We will be on 146.025+ pl 110.9, 147.645- pl 110.9, 224.640- pl 123, and 447.180- pl 131.8. Send questions to ad60i@soara.org. Also Joe, K7KCE is helping me with the logging. We will be alternating weeks going forward. If you would like to volunteer for the tech net please contact AD6OI, Heiko.

Technet logs are here: <https://www.soara.org/activities/soara-saturdays/>

The next live SOARA Elmer Saturday is November 20 at Murray Center, 9am.

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

1. Coffee and Donuts will be provided
2. If you would like to volunteer for a topic contact Ed wa6ed@soara.org.
3. We will be indoors at the Murray Center, It's time to start thinking about kit building, thunt tape measure antennas, and other projects. If you want to buy a kit, build it, and need assembly help. We can setup a future SOARA Saturday to kit build, bring solder stations and safety glasses.
4. I'm thinking the slinky horizontal dipole antenna is too unstable. Next, I want to try a slinky vertical antenna. It never ends. I plan to work on this more after I work on the UI for the magnetic loop antenna. I'm currently playing around with node-red. Baby steps...
5. I will bring my RasPad, this is a Raspberry Pi 4 touchscreen tablet. I'm installing ham radio applications DL1GKK has a website that shows many Ham Radio installs: <https://dl1gkk.com/setup-raspberry-pi-for-ham-radio/>

Let me know if you need a special green Elmer badge. All it takes is for you to help other amateurs.

Let me know if you have SOARA Saturday requests.

**73,
Ed WA6ED**

[Swap Meets and Auctions are Back](#)

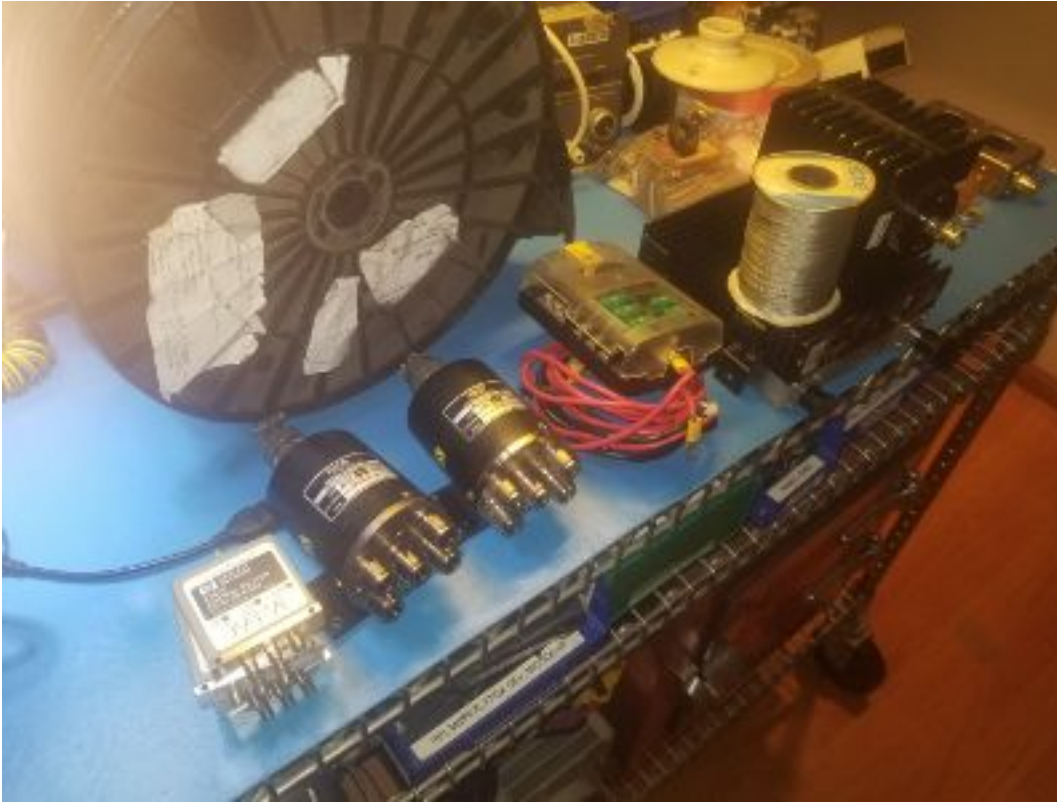
One of the most fun I have as an electronics enthusiast and amateur radio operator is attending electronic swap meets and auctions. They are great places to pick up some cables, used ham gear, test equipment and much more.

We have two local swap meets that are up and running monthly.

The TRW Swap meet is held on the last Saturday of each month. The swap meet hours are 7:00 AM to 11:30 AM., located on the southeast corner of Aviation Blvd. and Space Park Drive (one traffic signal south of Marine Ave.) in Hawthorne, CA. More information can be had at [W6TRW Swap Meet](#) The next one will be on November 27, then December 25 and January 29. Yes, they even happen on Christmas - attendees are pretty dedicated. SOARA has a booth where excess club equipment is being sold by Heiko, AD6OI. There were about 40 vendor booths in September. My find last month was a roll of 1" wide gold foil adhesive tape, a 3" dial indicator 0.0005 marks and a collection of RF connectors.

The Claremont Amateur Radio Society (CARS) Radio/Electronics Swap meet is held on the third Saturday of each month, except December. 6:00am to 11:00am, at the parking lot of Granite Creek Community Church 1580 N Claremont Blvd, Claremont, CA 91711. There are usually 15 or so vendors selling radios, components and other items. I picked up a AR-22 antenna rotor and control box rebuilt and tested for \$40. The next swap meet is November 17, which unfortunately conflicts with SOARA Saturday.

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



There was also a used equipment sale at Silicon Salvage in Anaheim. They had a really diverse selection of RF gear, test equipment and assorted stuff. I got 4 HP latching coax SPDT 26.5/18 GHz switches, a couple of Narda 4 pole 1KW coax switches, 2x 1GHz RF attenuators, Teflon wire, 10KV wire and a big roll of Shielded Cat5e cable and more for \$140. This is a great surplus sale and it is definitely worth going to when they have them.

There is also the former ACP Swap Meet, used to be held on the 4th Sunday of each month at Edinger and Grand in Santa Ana. This event has mostly faded away and there were no vendors the last two months, but I mention it just in case it re-appears. Finally, SOARA is holding an auction at our November General Meeting. There rules will be different than at prior SOARA auctions to make the auction go more quickly and to avoid the many unsold items that plagued prior SOARA auctions. Details on auction rules and item limitations will be sent to all members by email are in this Propagator.

Finally, AD6OI is running a swap meet at his house, 4 Parrell in Foothill Ranch on Saturday mornings for the next few months. If you want to buy, stop by. If you want to sell, bring a table for your stuff and a chair. Contact ad6oi@soara.org for details.

Remember, one person's "junk" is another person's "treasure".

Dale - W6EDT

SOARA Statement of Income and Expenses - October 2021

Month Ended October 31, 2021

Month Ending	October 31 2021	2020	Increase (Decrease)
General Account:			
Income:			
Memberships	3,950	4,918	(968)
Other	5	256	(251)
Total Income	3,955	5,174	(1,219)
Expenses:			
Repeaters:			
Site rental	350	350	-
Utilities	142	138	5
Equipment & Maintenance	-	-	-
Property Insurance	-	-	-
Total Repeaters	492	488	5
All Other Expenses (Note 1)	805	13	1,192
Total Expense	1,297	500	797
Net Income	2,658	4,674	(2,016)
Beginning Cash	25,697	15,392	10,305
Ending Cash	28,355	20,066	8,289
Raffle Account:			
Received	860	919	(59)
Spent	400	1,072	(672)
Current Year Cash	460	(153)	613
Beginning Cash	2,044	2,214	(170)
Ending Cash	2,504	2,061	443

Note 1: 2021 amount includes: P.O. box, SOARA Saturday, Picnic and Lanyards.

Note: If any member has questions about the financials, please contact the Treasurer or any board member.

Ron Mosher - KOPGE
SOARA Treasurer

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 Library](#)

As some of you have already heard the AD6OI/SOARA Library is now up and running at our house. (Please see attached picture for details). This library contains ARRL Handbooks, Repeater location guides, Tech modification books, radio and electrical books and a wealth of radio related information. For now the library will be open from 1pm to 4pm on Saturdays, and other times by appointment, if you call first, either by radio or telephone. E-mail will also work but allow at least 24 hours for a reply.

Thank you
Heiko AD6OI
Director of Communications for SOARA

[SOARA Equipment For Sale Online Site](#)

Based on numerous requests from SOARA members for a place to post Ham Radio related items for sale to other club members, we have set up an opt-in based Mailman mailing list on our server. Interested SOARA members are invited to join the mailing list. The SOARA organization and Board of Directors do not provide any warranty or guarantee for the items being advertised, buyer beware!

To subscribe, navigate to:

<https://soara.org/mailman/listinfo/forsale>

Enter your "real" email address, not your at "soara dot org" alias. You must be able to send and receive email from the address you provide.

Once subscribed, you will receive email when other members post items for sale. When posting to the list, you should provide an accurate description of the item for sale, its condition, and asking price. Replies to postings should be sent to the poster of the item, and not the list.

The archives of postings are publicly available on the web here:

<https://soara.org/pipermail/forsale/>

This mailing list may be suspended or discontinued at the discretion of the SOARA Board of Directors should that become necessary.

Brian, NJ6N

2021 SOARA Calendar

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
General Meeting 7:00 PM	18	15	15	19	17	21	19	16	20	19	15	-
Program	-	-	-	-	Spring Auction	Field Day Prep	-	RF Exposure	-	-		-
FCC Ham Exam 6:00 PM			15	19	17	-	19	16	20	19	15	-
Education Classes 8:00 AM			13	17	15	-	17	14	18	16	13	-
SOARA Elmer Saturday 9:00 AM	Net Every Sat	Net Every Sat	20	24	22	FD	24	21	25	23	20	-
SOARA T-Hunt 1:00 pm	updates	updates	Updates	Updates	Updates	Updates	Updates	Updates	Updates	Updates	Updates	updates
Board Meeting	25	22	22	26	24	FD-	26	23	27	25	22	-
Special Events	Quartz-fest 17-23	Palm Springs Yuma		Visalia DX	Dayton Ham-vention	ARRL Field Day 25-27	HRO Ham Jam			SOARA Picnic 2 JOTA 16-18		SOARA Holiday Party 10
Major HF Contests		ARRL DX-CW 20-21	ARRL DX-SSB 6-7 CQWPX SSB 27-28		CQWPX CW 29-30	ARRL Field Day 25-27			CQWW RTTY	CQWW SSB	CQWW SSB	
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 25-27	MV Fire-works 4				Vision Quest OC Marathon 7	

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

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 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
- Astronomy - VHF 147.645: Wednesdays @ 7 PM
- D-STAR (146.115 C module): Wednesdays @ 8 PM
- Dinner Net - 147.645, 224.640, 447.180: Fridays at 7 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
ae6h@soara.org

V.P.: Erik Wresch, W6INE 714-883-7694
w6ine@soara.org

Secretary: Charles Schultz
NY6I@soara.org

Treasurer: Ron Mosher, K0PGE 949-363-0047
k0pge@soara.org

SOARA DIRECTORS

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

Publications: Dale Tyler W6EDT 949-360-1717
w6edt@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, AD6 949-859-3868
ad6oi@soara.org

SOARA APPOINTMENTS

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

Activities Coordinator: Joe Perrigou K7KCE
k7kce@soara.org

S. Saturdays: Ed Barnes, WA6ED 949-468-7706
wa6ed@soara.org

Raffle: Bill Colvin KM6FOY km6foyl@soara.org

Testing: Steve Kuver K6UVR k6uvr@soara.org

Website: Vacant
@soara.org

Ambassador: Spencer Ammermon, NG6K
ng6k@soara.org

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