



# THE **Readout**

STANISLAUS AMATEUR RADIO ASSOCIATION

January 2024

Volume 45, Number 1

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**Next General Meeting:**  
**Face-to-face:**  
**Tuesday, January 16<sup>th</sup> 7:00pm**

**President's message,**  
**Zack, KI6KQO**

## From the desk of *The Readout* editor **John Otte, K6JRO**

Welcome to another edition of *The Readout*!

In the January 2022 *Readout*, I wrote the following:

*The month of January tends to be associated with renewal. A time where one can reflect over the past year and recommit oneself to plans that, perhaps, you did not or could not get to last year. If you find yourself in this predicament, take some steps in the right direction—no matter how small those steps might be. Especially if those steps involve ham radio! If they do, use this time to gain a new skill (like CW or FT8), engage in new training opportunities (see community events below), or experience contesting (like Winter Field Day or a QSO party). A good place to start is the web site for American Radio Relay League (ARRL), [www.arrl.org](http://www.arrl.org)*

*But, no matter what you do, always make time for family and friends.*

This last line however, really hit home for me because of our dear friends, Gary, WA6UXA is fighting for his life in Doctor's Hospital, Modesto. Please keep him in your prayers and make time for family and friends!

If you have any suggestions for articles or if you would like to publish an article, please reach out to me at [k6jro@arrl.net](mailto:k6jro@arrl.net).

73 de John, K6JRO

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## A Message from the Club President **Zack Pelham, KI6KQO**

Happy New Year,

I hope 2024 has taken off well for all of you. As we move forward this year there are a few new items the Officers and Board are working. If any of you have any ideas on how to improve the club or have any concerns, please send me an email at [zsp1919@icloud.com](mailto:zsp1919@icloud.com). I want to thank all the members who made a donation to the club in 2023. This helps the club immensely

and let's keep that going for 2024. Tell a family member, friend or co-worker about Amateur Radio and bring them to the next meeting.

73,  
Zack, KI6KQO  
SARA Club President

## Minutes:

DEC face-to-face meeting

### Write for *The Readout*:

If anyone has information that they want included in *The Readout* please submit to the editor

k6jro@arrl.net.

Please try and have the information or articles to the editor by the 30<sup>th</sup> of each month.

## Minutes from December face-to-face meeting

**Stanislaus Amateur Radio Association**

**P.O. Box 4601 Modesto, CA 95352**

[www.saraclub.net](http://www.saraclub.net)

Dec. 19, 2023

Club Meeting Minutes (Meeting held at 3705 Oakdale Road Modesto, CA)

### Attendance (via sign in sheet)

Robin, KG6ZYQ	Scott, KN6OOV	Craig, KN6TQX
Mark, N6ARP	Richard, W6DU	Mel, W7EOV
Zack, KI6KQO	Ed, KF6FIR	Davona, KF6TSY
Scott, KN6RKY	Jason, KA6TIO	Lucian, KF6NPG
Robert, KD6BNY	Vicki, KJ6RCV	Eva, KM6BIP
Randy, KF6RJS	Scott, N6CIC	Roy, KK6OQP
Cheryl, KK6GJM	John, K6JRO	Brendon, NK6M
Bill, AE6J	Gary, WA6UXA	Scott, N6SVA
Jason, KN6HAG	Robbie, KN6VOG	Cristy-Guest
Elias, KN6GZW	John, W6PY	Bobby, KN6SDD
Richard, WE6V		

**President Zack, KI6KQO**, called the meeting to order at 7:00 pm, welcomed everyone and led the Pledge of Allegiance. There were 30 members and one guest according to the sign-in sheet. Following introductions, Zack reported that the date for the joint Stockton Club-SARA Club hamfest is on April 27, 2024, in Manteca. We are only waiting for approval from the City of Manteca.

**Vice-President Mark, N6ARP**, stated that three more presentations are needed to fill the program for 2024. Mark showed a list of club presentations that have been agreed for 2024 and he asked the club members if they are interested in ordering club name badges. He had researched three possible name badge vendors: Buckmaster at \$10, The Sign Man of Baton Rouge at \$13.50, and Gateway Press in Murphy's, CA at \$14.00 each. The club could also do a group order if there is enough interest.

**Reading of Minutes: Secretary Scott, N6CIC**, reported the Readout with the minutes that had been e-mailed out to the membership prior to the meeting. There were no additions or corrections and a motion to approve was made by Robin, KG6ZYQ and a second by Bill, AE6J. The minutes were approved unanimously.

**Treasurer Scott, KN6RKY**, read the current treasurer's report and a copy is attached to the minutes and will be included in the next Readout. The club has 76 paid members as of the end of the year. There was no discussion. John, W6PY, made a motion to accept the report. After a second by Gary, WA6UXA, the treasurer's report was approved.

### Joining SARA:

We are taking membership applications for 2023.

One-year dues are \$30.00 for individuals, or \$45.00 for a family. To join, fill out the registration form in this newsletter and bring it to any SARA meeting.

**Sergeant at Arms Vicki, KJ6RCV**, said there were holiday desserts, coffee, and water available during the break. She said there would be a 50/50 split of the pot for tonight's meeting during the break. There will also be a raffle for an AnyTone 2M/440 25-watt transceiver with cables and mag mount antenna.

**Board Members: Randy, KF6RJS, Bobby, KN6SDD, and Jason, KA6TIO, were present:** They had no reports except for a weather update by Randy.

**Club Trustee Lucian, KF6NPG**, reported that he has informed the NARCC he is coordinating with them as our club trustee.

**Equipment/Mt Oso: Lucian, KF6NPG** reported on a trip to Mt. Oso last Saturday with Mark, N6ARP, Skylar, KO6AZI, and Patrick, KG6AZZ, to do routine maintenance. The group cleaned out the building and laid fresh mouse bait, tightened the antenna guys, and checked and fully charged the repeaters back-up batteries. The 2-meter repeater is now fully on the new LiFePO<sub>4</sub> back-up battery. They checked the UHF repeater but could not get Fusion working. The repeater will have to be re-programmed.

**ARES: John, K6JRO**, reported that Ed, KF6FIR, will take over leadership of ARES for next year. Ed then reported that meetings in 2024 will be on the second Saturday of the month. For January this will be on the 13<sup>th</sup>. Events for 2024 are on the agenda to include CW training.

**Community Events: Lucian, KF6NPG**, reported the first event in March will be posted on the web site. Winter Field Day is on January 27-28. The Turlock Amateur Radio Club Spring Auction will be held on Saturday, Feb. 10, with doors open at 8:00 AM. Check this website for updates and a listing of equipment to be auctioned: [www.w6bxn.org](http://www.w6bxn.org).

**Field Day: Jason, KA6TIO**, outlined the plans for the Lake McClure C-loop and F-loops sites. The club has reserved site C-20 for the club picnic and BBQ. A map and other details were sent to the club members by email. Costs are \$40 per day for camping and \$10 per day for driving in with discounts for military and seniors. During the BBQ we will have raffle prizes.

### Break

There was a 15-minute break. The Split-the-Pot raffle raised \$100. Scott, KN6OOV, was the lucky winner, and he donated his half back to the club. Thank you, Scott! The winner of the raffle for the AnyTone 2M/440 transceiver was Ed, KF6FIR. Congratulations Ed! The transceiver raffle raised \$180 for the club equipment fund. During the break club members enjoyed holiday desserts.

### Old Business: None

**New Business: Club Election.** Zack thanked Vicki, KJ6RCV, for her service as Sergeant at Arms. The following nominations for Officers and Board members were received at the November meeting. Herb, W9CMX, has expressed interest in the position of Sergeant at Arms, but we need to confirm it with him.

### Officers:

President-Zack, KI6KQO  
Vice-President-Mark, N6ARP

Secretary- Scott, N6CIC  
Treasurer- Scott, KN6RKY  
Sergeant at Arms-(Herb, W9CMX-to be confirmed)

**Board Members:**

Randy-KF6RJS, Past President  
Dick-W8AAL  
Jason-KA6TIO  
Bobby-KN6SDD

John, K6JRO, made a motion to accept the slate of officers as shown with Bill, AE6J, a second. The vote of members was unanimously in favor.

**Further New Business:** Jason, KN6HAG, thanked the club for its support of Elias's Eagle Scout project. Elias KN6GZW, is now a full-fledged Eagle Scout. Congratulations Elias!

**Meeting Adjourned:** Bill, AE6J, made a motion to adjourn, and Mel, W7EOV, seconded. Zack adjourned the meeting at 7:46 PM. The next meeting will be on Tuesday, January 16, 2024 (7:00pm to 8:00pm) and will be a face-to-face meeting. The location is the Stanislaus County Office of Emergency Services, 3705 Oakdale Road, Modesto, CA.

Minutes by Scott, N6CIC, Club Secretary.

Treasure's  
Report,  
Scott, KN6RKY

# Treasure report from the November meeting



**STANISLAUS AMATEUR RADIO ASSOCIATION**  
P.O. BOX 4601, MODESTO, CA 95352-4601  
[www.saraclub.net](http://www.saraclub.net)

**Treasury Report December 19, 2023**  
November 22, 2023 to December 19, 2023

**BEGINNING BALANCE: \$7,760.21**

**INCOME:**

Membership Dues - (cash/check)	\$150.00	
Split-The-Pot	\$117.00	Zack (K16KQO) donated his 1/2 back to club
Radio Raffle	\$95.00	John (KN6ZJK)
Square - Auto Deposit - Dues	\$115.90	(net of Square fees)
Square - Auto Deposit - Donations	\$68.55	(net of Square fees) Paul (KN6YHY), Lucian (KF6NPG)
Donations - (cash/check)	\$120.00	Robert the farmer (KD6BNY), anonymous

<b>TOTAL INCOME:</b>	<b>\$666.45</b>	Square - Auto Deposit	\$184.45
		Deposit Tri-Counties Bank	\$482.00

**EXPENSES:**

Moeller Mt. Oso	\$80.00	(Ck #1152) - December Site Rent (12-1-23)
PG&E	\$73.93	(EFT) - Mt Oso Utilities (12-11-23)
NARCC 2024 Repeater Coordination Dues	\$20.00	(paid from member donation)
Merced Irrigation District	\$80.00	(EFT) - Field Day 2024 Camping Reservation (11-24-23)

**TOTAL EXPENSES: \$253.93**

**\*\* Tri-Counties Bank**  
**Ending Bank Balance: \$8,172.73 as of December 19, 2023**

<b>Field Day Fund:</b>	<b>\$1,151.32</b>	(included in ending bank balance)
<b>Equipment Fund:</b>	<b>\$2,240.66</b>	(included in ending bank balance) *
* Includes \$100 earmarked for a second LiFePo battery on Mt. Oso		
<b>General Fund:</b>	<b>\$4,780.75</b>	(included in ending bank balance)

Treasurer  December 19, 2023

- 2023 Membership - 1 honorary / 76 Paid Members
- 2024 Membership - 1 Honorary / 27 Paid Members
- 2025 Membership - 1 Honorary / 1 Paid Members
- 2026 Membership - 1 Honorary / 1 Paid Members

## ARES

Ed, KF6FIR  
Emergency  
Coordinator,  
Stanislaus County

# Stanislaus County ARES Report



Well, a new year, new opportunities. For our January meeting we had a presentation by Wally KK6CPN on working events. It was informative and timely considering in March we have two events coming up. Next month we will be reviewing go boxes and discussing what to look for in equipment just in time for the Turlock auction. Since the Turlock auction is on the second weekend of February, we have moved up the ARES meeting to the 1<sup>st</sup> Saturday of February. We are also starting a self-pace CW training, consisting of phone apps for receiving and practical equipment for sending practice. We started the discussion in our January meeting and will continue to monitor, encourage, and mentor throughout the coming year. Everyone is welcome to attend the meetings, member or not. The ARES group is also coordinating with the Salvation Army on training, and we will provide more information later on this as things develop.

As always, if you have packet capability, please consider checking into the ARES WinLink Wednesday net on the 4<sup>th</sup> Wednesday of the month. This consist of sending in a WinLink forms to Lucian, KF6NPG. If you are new to packet and would like to start checking into the WinLink Wednesday Net, please contact Lucian. We also have a VHF simplex net on the first Wednesday of the month immediately following the ARES net.

73

Ed Hanna, KF6FIR Emergency Coordinator, Stanislaus Co.  
[K6JRO@arrl.net](mailto:K6JRO@arrl.net)



ARES® operates under the authority of the Stanislaus County Office of Emergency Services (OES), and the Stanislaus County Assistant Director for OES. ARES® is organized under the auspices of the American Radio Relay League, the San Joaquin Valley Section Manager, and the San Joaquin Valley Section District Emergency Coordinator. Operational control is under the Stanislaus County OES.

If you are interested in joining Stanislaus ARES, go to the Stanislaus ARES website ([www.stanares.org](http://www.stanares.org)) and click on the Join ARES tab. There is formation on how to join and the membership forms to complete are available there. Please check in on the ARES voice radio net very Wednesday at 7:30 pm on the 145.390 – pl. 136.5 S.A.R.A. repeater. There is also an unproto Packet radio net during the voice net on 144.910 via the SARA node. The monthly training meeting is at 10:00am on the first Saturday of the month at 3705 Oakdale Road Modesto, CA. Meeting dates and times can change due to operational needs. Please check the web site for updates.



## Ham Cram

John, K6JRO Ham  
Cram coordinator

## ARRL EC-001 course

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## Ham Cram Information

Due to low enrollment, the ARES organization will no longer be offering ham crams. Instead, we will offer material and guidance to anyone who wants to earn or upgrade their license. Information is available on the [ARES webpage](#). Testing will be offered before the SARA club meeting at 6:00pm on the third Tuesday of the month.

If you have any questions, please email John Otte, K6JRO at [k6jro@arrl.net](mailto:k6jro@arrl.net).

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## ARRL EC-001 Emergency Communications Course

If you need to take the ARRL Emergency Communications Course (EC-001) Stanislaus ARES can help. The EC-001 workbook is out of print, however The Indian River County ARES has all of the study information (including test and answers) posted on their web site. Recent amateurs who have taken the test have printed out the test questions and answers and have studied like they would for a ham cram. Pass rate has been about 100 percent.

\*\*\*The ARRL has updated this course. There are some content differences, however members who have used this to prepare for the challenge exam have been successful.\*\*\*

Here is the web site to study for the ARRL Introduction to Emergency Communications Course challenge examination (EC-001):

Go to [www.ircares.org](http://www.ircares.org) This is the web site for the Indian River County ARES. Once you are on the web site click on the training and reference tab. Then click on the ARRL Introduction to Emergency Communications (EC-001) tab. That will take you to the course information.

Once you complete this on-line study you can arrange with Stanislaus ARES to take the ARRL test. We generally give the test at a ham cram session or before or after the monthly ARES meeting. Please e-mail Lucian, KF6NPG at [kf6npg@aol.com](mailto:kf6npg@aol.com) or John, K6JRO at [k6jro@arrl.net](mailto:k6jro@arrl.net) to arrange to take the test.

***There is a \$15.00 test administration fee payable to ARRL.***

You can also access the updated ARRL EC-001 course at the ARRL website. Go to [www.arrl.org](http://www.arrl.org). Once there click on the licensing, education and training tab. Then click on the online course catalog tab and look for the EC-001 course. It states that it takes about 45 hours to complete the course over 9 weeks. Once you complete the ARRL course you can take the exam online. From what I can see there is no charge to take the course or exam. You must take the course before you can take the exam.



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You cannot take the challenge exam online.

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# Swap Shop: Ham Radio related equipment for sale

### **The following items are for sale from Bill, AE6J:**

Yaesu FT-857D with LDG Tuner and Signalink USB (For digital modes) - \$750  
Kenwood TS-590S - \$900

Contact Bill (AE6J) at [ki6hmv@gmail.com](mailto:ki6hmv@gmail.com) if you are interested in any of the above.

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## Featured Article: From Cycle to Hertz: A Ham's Perspective"

by Ernie Rader, W5NH

*(This article was originally published in the January 2022 Readout.)*

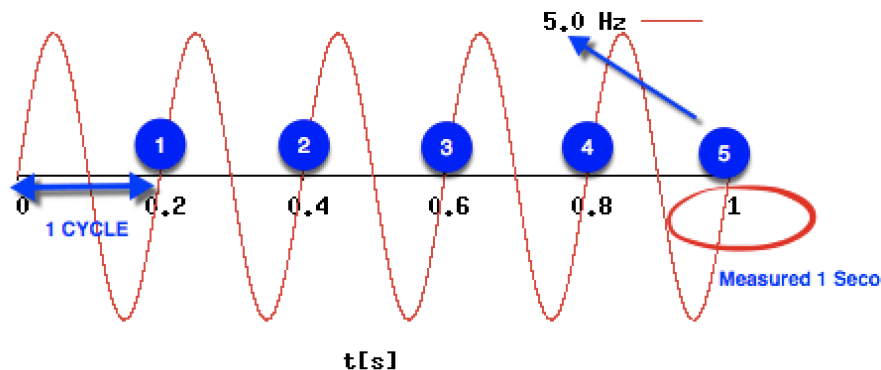
There are several in our club that were licensed, and have been active since the mid 50's and 60's. We grew up with and were trained understanding the term "cycle." We could meet on 3960 kilocycles, or 7.283.5 megacycles, and we knew what that meant. It was a location on the frequency dial of our HF radios. Cycle meant something to us and was descriptive.

Around 1970, or so, the term was universally changed to "hertz" when describing frequency on radios and has become accepted by much of the amateur radio community. I must admit to being a member of the camp that was uncomfortable with "hertz", and even took the opportunity to use "cycle" instead of "hertz" often. Where "hertz" came from I had no idea at the time, and thought the change was neither necessary nor prudent.

Upon investigation, I learned that Hertz is the derived unit of frequency in the International System of Units and is defined as one cycle per second. It is named after Dr. Heinrich Rudolf Hertz (1857-1894), the first person to provide conclusive proof of the existence of electromagnetic waves.

Unless a "time element" is included and specifically stated, as in "cycles per second" (Cps), or "kilocycles per second" (Kcs), a cycle can be referred to in any description of something recurring. For example: the lunar cycle is 29.5 days. The sunspot cycle is approximately every 11 years. So, if one wants to use the term "cycle" with regard to frequency on a radio's dial, one must append the term "per second" to designate the length of time the measurement or adjustment is taken; that is if one wishes to be correct and unambiguous. This new term "hertz" has that time element within its definition.





----- one second in time (above) -----

So, was this new term made up? You betcha'!! If you think about it, every word we use in our American language, is made up. Why not hertz, and at the same time, honor one who provided concrete and useful information to our knowledge base with a term that can also be used to define something more precisely that we use daily in our hobby.

Is this author a convert? Most definitely. In the future, if I'm going to refer to a frequency on a ham radio dial, I'm going to refer to that frequency correctly. It's going to be 3.975 megacycles per second (Mcs) or 3.975 megahertz. They're both the same and can be used interchangeably.

## Community Events

### Community Events:

#### January

Saturday 13<sup>th</sup> ARES Meeting 10a-12p

Tuesday 16<sup>th</sup> SARA meeting 7p-8p

Saturday 27<sup>th</sup> and Sunday 28<sup>th</sup> Winter Field Day [www.winterfieldday.com](http://www.winterfieldday.com)

#### February

Saturday 3<sup>rd</sup> ARES Meeting 10a-12p

Tuesday 20<sup>th</sup> Sara Meeting 7p-8p

#### March

Saturday, 3<sup>rd</sup> Snelling Road Race 7a-3p (depending on assignment)

Saturday 9<sup>th</sup> ARES Meeting 10a-12p.

Tuesday 19<sup>th</sup> SARA Meeting 7p-8p

Saturday 30<sup>th</sup> Copperopolis Road Race 7a-3p (depending on assignment)

#### April

Saturday 13<sup>th</sup> ARES Meeting 10a-12pm.

Tuesday 16<sup>th</sup> SARA Meeting 7p-8p

#### May

Saturday 11<sup>th</sup> ARES Meeting 10a-12p

Tuesday 21<sup>st</sup> SARA Meeting 7p-8p

#### June

Saturday 8<sup>th</sup> ARES Meeting 10a-12p

Tuesday 18<sup>th</sup> SARA Meeting 7p-8p  
Friday through Sunday (29<sup>th</sup> - 30<sup>th</sup>) Field Day [www.arrl.org/field-day](http://www.arrl.org/field-day)

### July

Saturday 13<sup>th</sup> ARES Meeting 10a-12p  
Tuesday 16<sup>th</sup> SARA Meeting 7p-8p

### August

Saturday 10<sup>th</sup> ARES Meeting 10a-12p  
Tuesday 20<sup>th</sup> SARA Meeting 7p-8p

### September

Saturday 14<sup>th</sup> ARES Meeting 10a-12p  
Tuesday 17<sup>th</sup> SARA Meeting 7p-8p

### October

Saturday 12<sup>th</sup> ARES Meeting 10-12p  
Friday-Sunday (18-20) Pacificon San Ramon Marriot  
Tuesday 15<sup>th</sup> SARA Meeting 7p-8p

### November

Saturday 9<sup>th</sup> ARES Meeting 10a-12p  
Tuesday 19<sup>th</sup> SARA Meeting 7p-8p

### December

Saturday 14<sup>th</sup> ARES meeting 10a-12p  
Tuesday 17<sup>th</sup> SARA meeting 7p-8p



## Local Nets

### Local Nets:



S.A.R.A. operates several repeaters.  
These are located on Mt. Oso in Patterson, CA:  
145.390 – pl 136.5  
224.140 – pl 136.5  
440.225 +pl 136.5  
51.800 – pl 136.5

- Digital node 144.910, digipeater name "SARA".
- 145.110 – pl 136.5 is a low-level repeater located in Modesto, CA.

All SARA nets meet on the 145.390 – pl 136.5 repeater except where noted.  
SARA Club net is every Tuesday (except the 3<sup>rd</sup> Tuesday) at 7:30pm.

The morning traffic and information net meets Monday through Friday from 7:00am to about 8:00am.

The Geezer net (It is not about age; it is all about attitude) meets each weekday morning 9:00am to 9:30am.

Officers and Board Member

The Ladies Chit Chat net every Monday at 8:00pm for YL's.

The Stanislaus County ARES net meets every Wednesday at 7:30pm. The Space net meets every Friday at 8:00pm

S.A.R.A. meets the Third Tuesday of every month at 7:00pm at 3705 Oakdale Road Modesto, CA 95357. The club website is www.saraclub.net .

The Stanislaus County ARES generally meets the First Saturday of the month at 10:00am at 3705 Oakdale Road Modesto, CA 95357. Meetings can be changed due to training requirements please check the web site for current information. The web site is www.stanares.org .

Turlock Amateur Radio Club (W6BXN) weekly club net meets every Tuesday (except the 2nd Tuesday) at 7:00pm on 147.030 + pl 100 or 447.700 + pl 94.8.

TARC meets the second Tuesday at 7:00pm at the Salvation Army 893 Lander, Turlock, CA.

Merced ARES has a weekly net on Mondays at 7:00pm on the TARC repeaters. They have a monthly meeting the third Wednesday at 6:00pm at The Pizza Factory 3146 G Street #147 Merced, CA 95340.

San Joaquin Valley Section ARES Net every Sunday at 7:00 pm on the TARC repeaters.

TARC web site is www.w6bxn.org and Merced ARES is www.mercedares.org .

## 2024 SARA Club Officers and Board Members

### Officers:

President: Zach Pelham, KI6KQO	<a href="mailto:zsp1919@icloud.com">zsp1919@icloud.com</a>
Vice President: Mark Price, N6ARP	<a href="mailto:mark99price@gmail.com">mark99price@gmail.com</a>
Secretary: Scott Griffin, N6CIC	<a href="mailto:scottandalene@msn.com">scottandalene@msn.com</a>
Treasurer: Scott Johnson, KN6RKY	<a href="mailto:sliefjohnson@gmail.com">sliefjohnson@gmail.com</a>
Sergeant at Arms: Herb Fullerton, W9CMX	<a href="mailto:herb2114@icloud.com">herb2114@icloud.com</a>

### Board Members:

Jason Peitz, KA6TIO	<a href="mailto:ka6tio@gmail.com">ka6tio@gmail.com</a>
Richard Aal, W8AAL	<a href="mailto:dick_aal@comcast.net">dick_aal@comcast.net</a>
Bobby Hale, KN6SDD	<a href="mailto:kn6sdd92@gmail.com">kn6sdd92@gmail.com</a>
Randy Spindler, KF6RJS (past president),	<a href="mailto:kf6rjs@yahoo.com">kf6rjs@yahoo.com</a>



**Club Trustee:** Lucian Thomas, KF6NPG [kf6npg@aol.com](mailto:kf6npg@aol.com)

### Committees/Workgroups:

Club Technician: Patrick Dunbar, KG6AZZ	<a href="mailto:patd@kg6azz.net">patd@kg6azz.net</a>
Readout Editor: John Otte, K6JRO	<a href="mailto:k6jro@arrl.net">k6jro@arrl.net</a>
Community Events: Lucian Thomas, KF6NPG	<a href="mailto:kf6npg@aol.com">kf6npg@aol.com</a>

Stanislaus County ARES:

Emergency Coordinator: Ed Hanna, KF6FIR [ed@kf6fir.net](mailto:ed@kf6fir.net)

**\*Nominations are held every November with elections in December\***



### Local Area Frequencies

Name	Frequency	Off set	Tx Tone	Description
VHF Call	146.520	none	none	VHF Simplex
VHF Local	147.540	none	none	Local VHF Simplex
SARA Hi	145.390	- (negative)	136.5	SARA VHF Mt. Oso
SARA Lo	145.110	- (negative)	136.5	SARA VHF Downtown Modesto
MMC	146.355	+ (positive)	156.7	Memorial Hospital Modesto
TARC	147.030	+ (positive)	100.0	Turlock Amateur Radio Club Mt. Bullion
TARC	147.000	+ (positive)	100.0	Turlock Amateur Radio Club Turtle Dome Yosemite National Park
CARS	145.170	- (negative)	100.0	Calaveras Amateur Radio Society Fowler Peak
Stockton	147.165	+ (positive)	107.2	Stockton Delta ARC Sierra Nevada Mountains
Lodi	147.090	+ (positive)	114.8	Lodi Amateur Radio Club
Manteca	146.985	- (negative)	100.0	Manteca Amateur Radio Club Manteca Water Tower
TCARES	145.290	- (negative)	100.0	Tuolumne County Amateur Radio and Electronics Society Moccasin
UHF Call	446.000	No offset	No tone	UHF simplex
SARA	440.225	+ (positive)	136.5	SARA UHF Mt. Oso
TARC	444.700	+ (positive)	94.8	Turlock Amateur Radio Club Mt. Bullion
TARC	440.300	+ (positive)	94.8	Turlock Amateur Radio Club Kings Canyon Sequoia
CARS	441.0375	+ (positive)	151.4	Calaveras Amateur Radio Society Bear Valley (Mt. Reba)
CARS	441.875	+ (positive)	100.0	CARS Summit level Arnold linked to 145.170
Stockton	442.250	+ (positive)	107.2	Stockton Delta ARC Sierra Nevada Mountains
SARA	224.140	- (negative)	136.5	SARA 220 Mt. Oso
TARC	224.960	- (negative)	156.7	Turlock Amateur Radio Club 220 Mt. Bullion

As of January 27, 2023

CARS vhf frequency corrected, and Lodi added January 27, 2023

For further information please refer to each radio club's web site:

SARA [www.saraclub.net](http://www.saraclub.net)

TARC [www.w6bxn.org](http://www.w6bxn.org)

CARS [www.calaverasars.org](http://www.calaverasars.org)

Stockton [www.w6sf.org](http://www.w6sf.org)

Manteca [www.facebook.com/groups/k6man](http://www.facebook.com/groups/k6man)

TCARES [www.tcaries.net](http://www.tcaries.net)

Lodi [www.lodiarc.net](http://www.lodiarc.net)

# STANISLAUS AMATEUR RADIO ASSOCIATION (SARA) MEMBERSHIP FORM



Check One: New Member \_\_\_ Renewing Member \_\_\_ Family Membership \_\_\_

NAME: \_\_\_\_\_ CALLSIGN: \_\_\_\_\_

ARRL Member:(Yes) (No)

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_

ZIP: \_\_\_\_\_ PHONE: Home \_\_\_\_\_ Cell: \_\_\_\_\_

E-Mail: \_\_\_\_\_

ADDITIONAL FAMILY MEMBERS AT SAME ADDRESS:

NAME: \_\_\_\_\_ CALL SIGN: \_\_\_\_\_ ARRL: (Yes) (No)

e-mail \_\_\_\_\_

NAME: \_\_\_\_\_ CALL SIGN: \_\_\_\_\_ ARRL: (Yes) (No)

e-mail \_\_\_\_\_

NAME: \_\_\_\_\_ CALL SIGN: \_\_\_\_\_ ARRL: (Yes) (No)

e-mail \_\_\_\_\_

NAME: \_\_\_\_\_ CALL SIGN: \_\_\_\_\_ ARRL: (Yes) (No)

e-mail \_\_\_\_\_

TOTAL DUES PAID: \_\_\_\_\_ Date: \_\_\_\_\_

One-year membership dues are \$30.00 (if paid by cash, check, or money order). Family Dues are \$45 and is the same for all methods of payment.

Note: Bring membership form to SARA Meeting or Mail to: SARA Club, P.O. Box 4601, Modesto, CA 95352-4601

April 3, 2021

