



THE **Readout** STANISLAUS AMATEUR RADIO ASSOCIATION

FEB 2023

Volume 44, Number 2

In This Issue

- From of the desk of the editor.
- President's message
- Minutes for NOV Face-to-face meeting
- Treasure report
- ARES report
- Ham Cram information
- ARRL EC-001
- Featured Article
- Swap Shop
- Community Events

President's
message,
Everett, NQ6C

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

Welcome to another edition of *The Readout*!

As with last year, Punxsutawney Phil saw his shadow suggesting six more weeks of winter. Meanwhile, in California winter seems to be loosening her grip (albeit gently). Cold mornings are still here, and the scent of rain still hangs in the air. So, whether you believe in the shamanistic suggestions of a rodent or the motions of the planets, Mother Nature still has the final word.

If you have not already do so, please consider paying your club dues. We have an active repeater, and your generous financial support is important. Also, with spring on the horizon comes events. If you are an ARES member, please consider volunteering for one of the upcoming events (see the updated events schedule below). They are fun and it allows us to hone our radio skills.

This month's presentation I will be joined by Bill, AE6J and Brendon, NK6M to discuss our operations as N6OOA for 2023 Winter Field Day and what a day it was! We hope to see you there.

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.

73 de John, K6JRO

A Message from the Club President Everett Young, NQ6C

No report filed this month.

Thank you
Everett
NQ6C

Minutes: JAN face-to-face meeting

**Next General Meeting:
Face-to-face.
Tuesday,
February 21st
7:00pm**

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 30th of each month.

Minutes from January face-to-face meeting

Stanislaus Amateur Radio Association

P.O. Box 4601 Modesto, CA 95352

www.saraclub.net

January 17, 2023

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

Attendance (via sign in sheet)

Lucian, KF6NPG	John, W6PY	Randy, KF6RJS
Richard, W6DU	Cheryl, KK6GJM	Paul, W6UHF
Robin, KG6ZYQ	Charles, AA6YV	Vicki, KJ6RCV
Scott, KN6RKY	Roy, KK6OQP	Eva, KM6BIP
Jason, KA6TIO	John, K6JRO	Robert, KD6BNY
Bill, AE6J	Scott, KN6OOV	Jim, KK6CPN
Gene, W6QFU	Jason, KN6HAG	Elias, KN6GZW
Linda, W6MUT	Zack, KI6KQO	Gary, WA6UXA
Robbie, KN6VOG	Craig, KN6TQX	
Visitors:		
Craig, KN6TKQ	Arthur, KN6SSP	Bill, K6PKL
Don, KM6ARR	Aaron (no call)	Nate (call pending)

Vice President Zack, KI6KQO called the meeting to order at 7:00 pm and welcomed everyone. There were 26 members and 5 visitors in attendance. Zack had everyone introduce themselves and Vicki, KJ6RCV led the pledge of allegiance.

Reading of Minutes

The minutes were included in the READOUT and had been e-mailed out to the membership prior to the meeting. There were no corrections or questions about the minutes. Motion by John, K6JRO and second by Eva, KM6BIP to approve the minutes. The motion was passed without opposition.

President Everett, NQ6C

Not present.

Vice President Zack, KI6KQO

Zack said that he had passed out a presentation idea sheet. He asked that everyone write down some presentation ideas and if they were interested in making a presentation to the club. It was announced that Grady, K6IXA had passed away. Grady was a long-time member of the Turlock Amateur Radio Club and Merced ARES. Grady was a big help in the founding of the SARA club and helped with getting the 145.390 repeater on the air. There was a moment of silence in his memory. Grady was a big influence in the local ham community and will be sorely missed.

Treasurer Scott, KN6RKY

Scott read the current treasurer's report and a copy is attached to the minutes and will be included in the next READOUT. There were no additions or corrections. Bill, AE6J made a motion to accept the report and Randy, KJ6RJS seconded. The motion passed without opposition.

Sergeant at Arms Vicki, KJ6RCV

Vicki said there were snacks and coffee available during the break. She will be using individually packed snacks so used items can be carried over to the next meeting. She said there would be a 50/50 split the pot for tonight's meeting and a raffled TID HT with a Hershey kiss mag mount antenna.

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.

Board Members: Jason, KA6TIO and Randy, KF6RJS were present. Richard, W8AAL and Bobby, KN6SDD were absent.

Jason, KA6TIO had no report. Randy, KF6RJS reported they had some minor flooding at their mobile home park. He said he has recorded 15.50 inches of rain so far for the year.

Equipment/Mt Oso: Club Trustee Leroy, NV6S/Club Technician Patrick, KG6AZZ/Paul, W6UHF

Paul, W6UHF reported that the 440 antenna is still scheduled for repair. The main repeaters seem to be working fine. The commercial power went off at 4:57 am on Monday January 16, 2023, and was off for about 11 hours. This occurred during the ARES activation and the Turlock Club repeater trustee Spencer, KJ6ART was contacted and granted permission to use their repeater if needed. The battery power held, and the ARES operation was not affected. Commercial power was restored at 4:15pm. Thanks to all club members and users of the club's repeater system for their patience during the ARES flood operations.

ARES: John, K6JRO

John said the next ARES meeting will be February 4th. There will be a debrief of the recent flood operations and refresher Winlink training.

Community Events: Lucian, KF6NPG

The Snelling Road Race is scheduled for Saturday February 25, 2023, from 7:00 am to 3 pm. Additional sign ups were taken tonight, and more information will be sent out to those who volunteered via e mail before the event. Wally, KK6CPN will be the HIC (Ham in Charge) for this event. Thanks to all who volunteered to participate. More club events are published in the READOUT, SARA Club website and Stanislaus ARES web site. Further information will be presented at future club meetings.

Break:

There was a 15-minute break.

Raffle/Split the Pot: Vicki, KJ6RCV

Vicki collected \$96.00 for the split the pot. Scott, KN6OOV was the \$48.00 winner. He donated his half back to the club field day fund. Thanks Scott. The HT raffle raised \$55.00 for the club. Craig, KN6TQX was the winner of the TID HT.

Old Business:

None

New Business:

None

Presentation:

Bill, AE6J gave a presentation on the Titan missile museum and the antenna that is available for public amateur radio use.

Meeting Adjourned: Meeting adjourned at 8:15 pm. The next SARA Club meeting is Tuesday, February 15, 2023 (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 Lucian, KF6NPG, for Scott, N6CIC, Club Secretary

Treasure report from the January meeting



STANISLAUS AMATEUR RADIO ASSOCIATION

P.O. BOX 4601, MODESTO, CA 95352-4601

www.saraclub.net

Treasury Report January 17, 2023
12-20-22 to 1-16-23

BALANCE FORWARD: \$7,934.41** (Previous Balance \$7,371.08)

Bills Paid:

Moeller Mt. Oso	\$ 80.00	(Ck #1130 – January Site Rent (1-1-23))
PG & E	\$ 50.67	(Ck #1131 – Mt. Oso Utilities (1-8-23))
US Postal Service	\$ 166.00	(Ck #1132 – Annual P.O. Box Rental (1-8-23))
Total:	\$ 296.67	

INCOME:

Dues	\$ 420.00	
Split the Pot	\$ 100.00	
Donations	\$ 290.00	KF6NPG, KN6OOV, N5QC, KD5QWC, Anonymous 😊
Guide Ropes – W7LTM	\$ 50.00	
Total:	\$ 860.00	

DEPOSITS:

Tri-Counties Bank	\$ 610.00	(12-22-22)
Tri-Counties Bank	\$ 150.00	(12-30-22)
Tri-Counties Bank	\$ 100.00	(1-13-23)

Field Day Fund:	\$ 551.19	(included in account balance)
Equipment Fund	\$2,229.23	(included in account balance)

**** TRI COUNTIES BANK BALANCE: \$7,934.41 as of 1-16-23**

NOTE: Direct Donation Payments: KF6NPG - \$120 for the D Star Repeater; W6UHF - \$20 for Northern Amateur Relay Council of California (NARCC) 2023

Treasurer  January 17, 2023

2023 Membership – 43 Paid/Honorary - AE6J, K6JRO, K6SBO, K7RKU, KA6TIO, KE6QMS, KF6NPG, KF6RJS, KG6ZYQ, KI6HOB, KI6KQO, KJ6MRG, KJ6OVV, KJ6RCV, KK6GJM, KK6ILV, KM6SIO, KM6VLJ, KN6OOV, KN6RKY, KN6TDQ, KN6VOG, N6ARP, N6CIC, N6JCS, N6MTM, NV6S, W6DAH, W6MUT, W6PV, W6PY, W6QFU, W7EOV, W8AAL, WA6UXA, WA6ZLO, N5QC, KD5QWC, KG6AZZ, KE6ULQ, W5NH, KJ6EWD, KN6GJL

2024 Membership – 4 Paid/Honorary – KI6HOB, N6ARP, NV6S, WA6ZLO

ARES

John, K6JRO
Emergency
Coordinator,
Stanislaus County

Stanislaus County ARES Report



ARES met on Saturday February 4th at the Stanislaus County Office of Emergency Services (OES). Officer reports were given. Lucian led our training on WinLink with particular attention to Peer to Peer (P2P) messaging. Our next ARES meeting will be Saturday, March 4th where we will be working with KG6AZZ's packet program and its capabilities with APRS. and VARA. It has been several years since we have looked at this. If you have a packet station please bring it.

As always, if you have packet capability, please consider checking into the ARES WinLink Wednesday net on the 4th 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.

John Otte, K6JRO Emergency Coordinator, Stanislaus Co.
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) 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

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.

ARRL EC-001 course

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 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 or John, K6JRO at 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. 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.

You cannot take the challenge exam online.



Featured Article

Featured Article: FT8: Saving or Destroying Ham Radio?

By: Elizabeth Kline, KE8FMJ

Let me start by saying that this is an OPINION PIECE. Everybody has an opinion. Everyone is entitled to his or her opinion. I try to explore all sides, but I am also an admitted FT8 fan. I've never known a good sun. I am also fascinated with polarized opinions.

Let's start off with HF propagation. It largely depends on sunspots, and sunspots tend to ebb and peak on an 11-year cycle. In the last few years, we have been in a deep low part of the cycle and even the last few peaks have not been very good. If people had started experimenting with radio during a sunspot low, they might have decided radio wasn't very practical. With low sunspot activity, higher frequencies don't propagate well at all. Lower frequencies might get through, but those require much larger antennas and that causes other problems.



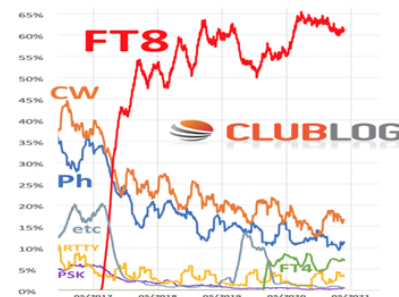
Enter Weak Signal Propagation Reporter (WSPR, pronounced "whisper"). It is a protocol, implemented in a computer program, used for weak-signal radio communication between amateur radio operators. You've read about it by this point. You know what it is and most even know how it works. But what there really is are VERY strong opinions. Google FT8 and you'll find people who detest it. Here's just one example:

There's no need for an antenna. No need for some power. Hell, no need for a microphone or a CW key (or keyer)! You just need some computer software where your computer can earn ARRL's DXCC in a day!

FT8 isn't rebellious, it's stupid. In my opinion FT8 is like a self-driving car. No operating skills required. How much fun is sitting in a car you're not driving? You get my point?

Other people will argue that FT8 is saving ham radio, singing its praises about how the other modes are dead while this one is thriving. New operators are earning awards in a mere sliver of the time it took the operators of old.

The pro-FT8 case is laid out in this article from Gerald, K5SDR, CEO of FlexRadio:



- FT8 counters the current dearth of sunspots
- FT8 opens "dead bands"
- FT8 is addictive—see em, click em, work em...Boom!
- FT8 lets little pistols work DXCC like a big gun
- FT8 lets you work the world from small or deed-restricted lots
- FT8 is a weak signal—not a low power mode (power works the really weak ones)
- FT8 lets you work DX on 6m when there would be none
- FT8 is suddenly dominating VHF/UHF contesting
- FT8 lets you work weak signal DX without proficient CW skills
- FT8 is like having constant DX beacons on every band
- FT8 puts the DX, WAS, WAZ, etc. on the air when they might not be
- FT8 lets you work DXCC on 160m without a big station
- FT8 lets you call CQ and become the DX
- FT8 is amazing literally space age technology
- FT8 is probably other things I haven't realized yet but some of you have

Perhaps one of my favorite lines on the FT8 question comes from an article by Al Williams:

It is popular to blame the new technology for killing things. The Internet killed newspapers. The video killed the radio star. Is FT8, a new digital technology, ready to kill radio with ham? The community seems evenly divided.

The Greek philosopher Heraclitus is credited with the idea that the only constant in life is change. However, the fear of change is also a constant. Humans like routine. It makes us feel in control of our lives. Change does the opposite of that.

So, will FT8 kill ham radio as some have claimed? Yes, it is mostly automated. Yes, it can reduce some skill required to make DX contacts by removing the need for filters and other tuning. Yes, it removes all rag chewing from the QSO. However, the same is true of most DX chasing contacts on any mode, especially contesting.

A few weeks ago, I saw an old car with an even older bumper sticker that said how single sideband killed amateur radio. I smiled and wished I had thought to take a picture. The more things change, the more they stay the same.

Elizabeth Klinc, KE8FMJ, is Greene County, Ohio, Emergency Coordinator.
Reprinted from On All Bands.

Swap Shop: Ham Radio related equipment for sale

The following equipment is still available for sale from Jason, KA6TIO:

Tempo One 80-10 HF transceiver. Rated 100W output. Tempo power supply/speaker, Shure 444 microphone, SWR meter, manual, & cables included. Last time I tried to use it, no output. Maybe tubes? As is, \$150

Ten Tec Model 247 Antenna Tuner, 80-10 meters. \$50 (Buy it with the Tempo One, I'll make you a deal.)

Yaesu FT-221R 2 meter All Mode Transceiver. S# 7 G100695 D VFO plus crystal controls. No PL's. Approximately 12 watts output. 120VAC/12VDC input. Radio, hand microphone with DTMF keys, and manual included. In original box. \$200

Mirage B108 linear amplifier for 2 meters. 10 watts in 80 Watts out. FM and SSB. \$50.

Heathkit SA 2060A Antenna Tuner. 1.8-30 MHz Rated at 1500 watts. Roller inductors, with documentation. Asking \$300

Alinco DR-635T Dual band mobile radio. Cables, bracket, manual. Asking \$200

Community Events

I have more stuff to part with, HF receiver, antennas, coax. Too much to list here. If interested, give me a call. Jason, KA6TIO 209-606-8441

If I don't answer, please leave a message and I will return your call.
I can always be contacted at a meeting too. 3rd Tuesday of the month, 1900 hrs, at the Stanislaus County EOC. 3705 Oakdale Road Modesto CA.

Community Events:

February

Saturday 4th ARES Meeting 10a-12p

Tuesday 21st Sara Meeting 7p-8p

Saturday 25th Snelling Road Race Henderson Park Snelling, CA 7a-4p
(depending on assignment) need 10 operators. This has been staffed. Wally KK6CNP is the Ham in charge of this event.

March

Saturday 4th ARES Meeting 10a-12p.

Tuesday 21st SARA Meeting 7p-8p

Saturday TBA??? Turlock Lake Road Race. Event appears cancelled. There is a new contact for this event, and he has not responded to a request for ride information as of 2-6-2023. The Turlock Lake Recreation area is still closed.

April

Saturday 1st ARES Meeting 10a-12pm.

Saturday 8th Copperopolis Road Race 7a-3p (depending on assignment) Hunt Road and Milton Road need 8-9 operators.

Tuesday 18th SARA Meeting 7p-8p

May

Saturday 13^h ARES Meeting 10a-12p

Tuesday 16th SARA Meeting 7p-8p

TBA Hospital Redundant Communications Drill. Need 6 ARES OPERATORS

The Ride for MOM has been cancelled and retired. This event is no longer offered.

June

Saturday 3rd ARES Meeting 10a-12p

Sunday 4th Regalado Road Race 7a-12p Burchell Nursery 1200 California 120 (Highway 120/Wamble Road) Oakdale, CA 95361, need 8 operators

Tuesday 20th SARA Meeting 7p-8p

Saturday through Sunday (24th - 25th) Field Day www.arrl.org/field-day

July

Saturday 8th ARES Meeting 10a-12p

Tuesday 18th SARA Meeting 7p-8p

August

Saturday 5th ARES Meeting 10a-12p

Saturday 5th Warnerville Time Trial 7a-12pm Willms Road East of Oakdale, near Knights Ferry need 5 operators

Tuesday 15th SARA Meeting 7p-8p

September

Saturday 2nd ARES Meeting 10a-12p

Saturday September 17th Walk to End Alzheimer's 8a-12p. 5 operators

Local Nets

Tuesday 19th SARA Meeting 7p-8p

October

Saturday 14th ARES Meeting 10-12p

Friday-Sunday (13, 14, 15) Pacificon San Ramon Marriot

Tuesday 17th SARA Meeting 7p-8p

November

Saturday 4th ARES Meeting 10a-12p

Tuesday 21st SARA Meeting 7p-8p

December

Saturday 2nd ARES meeting 10a-12p

Tuesday 19th SARA meeting 7p-8p



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 3rd 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.

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.

Officers and Board Member

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.

DMR round table net every Monday at 7:00pm on the TARC regional talk group. Brandmeister TG 310658 which is linked to the W6BXN DMR repeaters.

Merced ARES has a weekly net on Mondays at 8:00pm 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.

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

2023 SARA Club Officers and Board Members

Officers:

President: Everett Young, NQ6C
Vice President: Zach Pelham
Secretary: Scott Griffin, N6CIC
Treasurer: Scott Johnson, KN6RKY
Sergeant at Arms: Vicki Peitz, KJ6RCV

kn6nqn@gmail.com
zsp1919@icloud.com
scottandalene@msn.com
sliefjohnson@gmail.com
vptigger@gmail.com

Board Members:

Jason Peitz ka6tio@gmail.com
Richard Aal, W8AAL dick_aal@comcast.net
Bobby Hale, KN6SDD kn6sdd92@gmail.com
Randy Spindler, KF6RJS (past president), kf6rjs@yahoo.com



Committees/Workgroups:

Club Technician: Patrick Dunbar, KG6AZZ
Readout Editor: John Otte, K6JRO
Community Events: Lucian Thomas, KF6NPG
Stanislaus County ARES:
Emergency Coordinator: John Otte, K6JRO

patd@kg6azz.net
k6jro@arrrl.net
kf6npg@aol.com
k6jro@arrrl.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

TARC www.w6bxn.org

CARS www.calaverasars.org

Stockton www.w6sf.org

Manteca www.facebook.com/groups/k6man

TCARES www.tcars.net

Lodi 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

