

January 2022

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President's message, Randy, KF6RJS



Volume 43, Numbers 1

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

Welcome to another edition of The Readout!

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

But, no matter what you do, always 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. Stay safe! Stay healthy!

73 de John, K6JRO

A Message from the Club President Randy Spindler, KF6RJS

Hello everyone and welcome to a New Year! Thank you all for allowing me to be your president and I look forward to working with our new and returning officers and board members. I would also like to thank Everett, KN6NQN for taking on the role of Field Day coordinator. I know he will do a great job.

It's January which means that club dues are now due. Dues are \$30.00 per person or \$45.00 for a family. If you have not paid your dues for 2022, please consider doing so. We would like all members to be paid up by the April meeting. Our next meeting is scheduled for Tuesday, January 18th. Masks are still required. Keep in mind that we still have radio equipment to raffle off so please bring your money!

	working with John, K6JRC will resume in February. If you have any questions 73 to all. Randy, KF6RJS	there will be no presentation) our vice-president with topic s, feel free to email me at kf6	cs and presentations rjs@yahoo.com
Minutes: NOV face-to-face meeting	Minutes from December face-to-face meeting Stanislaus Amateur Radio Association P.O. Box 4601 Modesto, CA 95352 www.saraclub.net December 21 st , 2021 Club Meeting Minutes (Conducted at 3705 Oakdale Road Modesto, CA)		
Next General Meeting: Face-to-face. Tuesday, January 18 th 7:00pm	welcomed everyone. The	neet) Everett, KN6NQN Cheryl, KK6GJM Paul, W6UHF Jason, KA6TIO Scott, KN6RKY Linda, W6MUT Brent, KJ6MRG Mark, N6ARP Gary, W6UXA Frank, KN6SCX Annie, N6ACL called the meeting to order a re were 28 members and 5 v duce themselves and Mark N6	isitors in attendance.
Write for <i>The</i> <i>Readout</i> : If anyone has information that they want included	 Reading of Minutes Secretary Lucian, KF6NPG The minutes were included in the READOUT and had been e-mailed out to the membership prior to the meeting. A motion was made by Bill, AE6J and second by Eva, KM6BIP to accept the minutes as printed in the READOUT. The motion was passed without opposition. President: Wally, KK6CPN Wally explained that we had to wear masks in order to be in compliance with the mask order from the State Department of Public Health. He thanked all of last year's club officers and board members for their service. He also wanted to thank all of those who worked on the club's equipment. He thanked Mark, WB6BJN for all of his work as the NCS for the club's morning traffic and information net. He also thanked Randy, KF6RJS, Eva, KM6BIP and Gary, W6UXA for participating as assistant net controls and stepping up to keep the net running when Mark leaves for Tennessee. 		
in <i>The Readout</i> please submit to the editor k6jro@arrl.net. Please try and have the information or articles to the editor by the 30 th of each month.			
	Vice President: Mark, WB6BJN Mark said that we had a river storm in October which brought above average rain so far for the year. Weather will be colder this year and we should have more snow and rain through January.		

Joining SARA:

We are currently taking membership applications for 2021. 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.

Treasurer: Vicki, KJ6RCV

Vicki, KJ6RCV read the treasurer's report and a copy will be attached to these minutes and will be included in the READOUT. Motion to approve by Robin, KG6ZYQ and second by Gary, W6UXA. Motion was approved without opposition.

Sergeant at Arms: Mark, N6ARP: Mark asked if we had heard from the landlord on Mt. Oso on whether our rent would be increased for the year. We have heard nothing so far regarding the rent. He reported that there were lots of great treats to share at the break.

Board Members: Paul, W6UHF, Brendon, NK6M, and Bill, AE6J were all present. Scott, N6CIC was absent.

Paul said that everything on Mt. Oso appeared to be working very well. On the 145.390 repeater mobiles and base stations sounded great. HT's for the most part did ok, but remember that inside buildings and vehicles using "rubber duckie" antennas they may not work very well. Brendon had no report. Bill had no report.

Equipment/Mt Oso: Paul, W6UHF

Refer to Paul's board report.

ARES: Lucian, KF6NPG

President Wally did not ask for an ARES report.

Community Events: Lucian, KF6NPG

No Community events are scheduled at this time.

Ham Cram: John, K6JRO

The next Ham Cram is set for Saturday February 12, 2022. Registration is now available through the ARES web site www.stanares.org .There are 4 registered at this time.

Old Business:

President Wally again brought up the need for a Field Day Coordinator. Everett, KN6NQN volunteered to take on the job. He will get with John, K6JRO (the prior Field Day Coordinator) for information and will check the ARRL web site for field day information. Thanks to Everett for taking on this task.

President Wally went over the nominations for the 2022 Club officers and Board members. The nominations are:

President: Randy, KF6RJS was nominated from the floor, and he accepted Vice President: John, K6JRO

Secretary: Lucian, KF6NPG

Treasurer: Vicki, KJ6RCV

Sergeant at Arms: Zack, KI6KQO

Board: Scott, N6CIC

Richard, W8AAL

Everett, KN6NQN

There were no other nominations. Mark, WB6BJN made a motion that these nominations be accepted and there be a voice vote. The motion was seconded by Gary, W6UXA. Voice vote to accept was unanimous.

New Business:

Lucian, KF6NPG suggested a change to this year's split the pot. He said that there was \$946.88 set aside for field day and that should be sufficient to fund this year's field day. He made the motion that this year's split the pot would be dedicated to replenish the equipment fund and this would be reviewed next year. The motion was seconded by Bill, AE6J. There was a voice vote and it was unanimous to approve the motion.

Break:

There was a 20-minute break to enjoy all of the Christmas treats.

Raffle:

There was a raffle of a Jetstream J270 2meter/440 small mobile radio, including programming cable and software, for benefit of the equipment fund. Richard, W8AAL was the winner.

ARRL Section Manager: John, NZ6Q

John, NZ6Q introduced his wife Annie, N6ACL. John and his wife wanted to wish everyone a Merry Christmas and Happy New Year. John advised that the FCC amateur radio license fee of \$35.00 will most likely taking effect at the end of the first quarter of the year. The fee will be collected by the FCC through CORES. If anyone is looking to upgrade, renew (if you are eligible), or obtain new license they should do so sooner rather than later.

Bridgecom is offering an incentive program to amateur radio clubs. If 4 people in a club purchase a DMR HT they will donate a 5th HT to the club. If 15 people purchase a radio they would donate a repeater to the club. There is a similar program with mobile radios. John said you can mix and match the mobiles and HT's and clubs could make group purchases. President Wally has received e-mails from Bridgecom regarding the incentive program and can provide further details.

Presentation: There was no presentation.

Meeting Adjourned: The next SARA Club meeting is Tuesday January 18, 2022 (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.

Motion to adjourn by Mark, WB6BJN and second by Eva, KM6BIP. Adjourned at 8:05 P.M.

Minutes by Club Secretary Lucian, KF6NPG,

Treasure's Report, Vicki, KJ6RCV

Treasure report from the December meeting



STANISLAUS AMATEUR RADIO ASSOCIATION P.O.BOX 4601, MODESTO, CA 95352-4601 www.saraclub.net Treasury Report December 21, 2021 11-16-21 to 12-20-21

BALANCE FORWARD: \$6,362.79** (Previous Balance \$5,822.40)

Bills Paid: Moeller Mt. Oso Smart & Final PG & E Bureau of Reclamation

\$ 80.00 (Ck #1093 - Dec. site rent 12-1-21)
\$ 24.65 (Visa - Meeting supplies 12-15-21)
\$ 65.41 (Ck #1094 - Mt. Oso utilities 12-16-21)
\$ 50.00 (Ck #1095 - Use of repeater site 12-16-21)
Total: \$ 220.06

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INCOME:

 Dues
 \$ 372.22 (\$378.00 less \$5.78 Pay Pal fees)

 Radio Raffle
 \$ 90.00

 Donations – (3) KJ6EWD, \$ 298.23 (\$300.00 less \$1.77 Pay Pal fees)

 Anonymous, K6JRO & Total: \$ 760.45

 W6MUT in memory of Betty Thomas

DEPOSITS:

Tri-Counties Bank Tri-Counties Bank Tri-Counties Bank \$ 365.00 (11-18-21)
 \$ 185.45 (Pay Pal transfers posted 12-10-21)
 \$ 210.00 (12-16-21)

Field Day Fund: Equipment Fund \$ 946.88 (included in account balance) \$ 153.23

** TRI COUNTIES BANK BALANCE: \$6,362.79 as of 12-20-21

NOTE: Direct Donation Payments: KF6NPG - \$120 for the D Star Repeater, W6UHF - \$20 for Northern Amateur Relay Council of California (NARCC) 2022 dues @

December 21, 2021 Treasurer

2022. Memberships – 33 Paid/Honorary to date AA&YV, AE&J, K&JRO, K&SBO, K7RKU, KA&TIO, KC&KSN, KD&BNY, KE&QMS, KF&RJS, KF&TEZ, KF&TSY, KI&HOB, KJ&EWD, KJ&RCV, KK&GJM, KK&ILV, KM&SIO, KN&GJL, KN&RKY, N&ARP, N&CIC, N&JCS, NK&M, NV&S, WSNH, W&MUT, W&PV, W&PY, W&UHF, WA&ZLO, WE&V, W7EO

2023 Membership - 4 Paid/Honorary - AE6J, K/6HOB, NV6S, WA6ZLO

2024 Membership - 3 Paid/Honorary - KI6HOB, NV6S, WA6ZLO

ARES

John, K6JRO Emergency Coordinator, Stanislaus County

Stanislaus County ARES Report



Happy new year everyone! There have been some changes in the ARES organization for Stanislaus County. First, I would like to thank Pat, KG6JXZ for his leadership over the last 10 years. Pat has left an incredible legacy and the organization truly appreciates his contribution.

Secondly, I would like to thank Paul, W6UHF, Lucian, KF6NPG, John, NZ6Q and Dan Sohn, WL7COO for their

vote of confidence in me.

Our January 8th ARES meeting identified training topics for the upcoming year. Training will include a WinLink Net, VARA, PinPoint APRS, Mesh Network and ICS training. Lucian, KF6NPG will start an ARES WinLink Wednesday net which will consist of sending in a WinLink form on Wednesday.

Our next ARES meeting will be Saturday, FEB 5th. We will go over WinLink with attention to VARA. So, bring your equipment and if you have not done so already, we'll install VARA and get your equipment going. If you have any questions, please reach out to me.

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 Information

Ham Cram John, K6JRO Ham Cram coordinator

Study for your amateur radio license or upgrade your current license. Sponsored by the SARA and Stanislaus County ARES.



Next Ham Cram

February 12, 2022 Office of Emergency Services 3705 Oakdale Road, Modesto, CA

The COVID restrictions have been reimplemented and we will be following the California Department of Public Health and the Federal Center for Disease Control guidelines.

Therefore, for meetings of this size there is no social distancing required but masks are regardless of vaccination status.

All registered individuals will need to bring the following:

- A valid identification, preferably CDL (California Driver's License)
- Cash or check for \$30 for the testing session, check preferred and payable to the American Radio Relay League (ARRL).
- If you are upgrading your license, please bring a copy of your current license as well as the ORIGINAL.

Sign Up

Please fill out the registration at www.stanares.org/ham-cram

If you have any questions, please email John Otte, K6JRO at k6jro@arrl.net.

ARRL EC-001 Emergency Communications Course

ARRL EC-001 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: "From Cycle to Hertz: A Ham's **Perspective**"

by Ernie Rader, W5NH

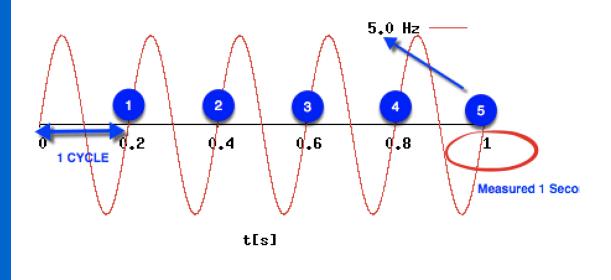
There are several in our club that were licensed, and have been active since the mid 50's and 60's. We grew up with and were trained understanding the term "cycle." We could meet on 3960 kilocycles, or 7.283.5 megacycles, and we knew what that meant. It was a location on the frequency dial of our HF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

Featured Article



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.

Ernie, W5NH and his wife Rita, KD6BNV are out-of-state members of the SARA club. Ernie served as SARA secretary throughout the 70's and 80's, working with Bob Pinheiro, WA6ZLO when they were publishing the READOUT.

Community Events

Community Events:

January

Saturday 8th ARES Meeting 10a-12p Tuesday 18th SARA meeting 7p-8p Saturday 29th and Sunday 30th Winter Field Day www.winterfieldday.com

February

Saturday 5th ARES Meeting 10a-12p Tuesday 15th Sara Meeting 7p-8p Saturday 12th Ham Cram 7:30a-4:00pm Saturday 26th Snelling Road Race Henderson Park Snelling, CA 7a-4p (depending on assignment) need 7 operators

March

Saturday 5th ARES Meeting 10a-12p. Tuesday 15th SARA Meeting 7p-8p Saturday 19th Turlock Lake Road Race 7a-3p (depending on assignment) Turlock Lake 22600 Lake Rd. La Grange need 15 operators.

April

Saturday 2nd ARES Meeting 10a-12pm. Saturday 16th Copperopolis Road Race 7a-3p (depending on assignment) Hunt Road and Milton Road need 8-9 operators. Tuesday 19th SARA Meeting 7p-8p Saturday 30th MS Walk 8a to 12p Beyer Park 4 Operators

May

Saturday 7th ARES Meeting 10a-12p Tuesday 17th SARA Meeting 7p-8p Saturday TBD Ride for Mom 7a-4p (depending on assignment) Downtown Modesto. Further information to follow. Saturday TBD March of Dimes Walk 8a-12p Beyer Park 4 operators Saturday TBD Modesto Criterium 7a-3p 4-6 operators needed Saturday TBD Modesto Road Race Salida area 7a-12p 6-8 operators needed

June

Saturday 4th ARES Meeting 10a-12p Sunday 5th Regalado Road Race 7a-12p Burchell Nursery 1200 California 120 (Highway 120/Wamble Road) Oakdale, CA 95361, need 8 operators Tuesday 21st SARA Meeting 7p-8p Friday through Sunday (25^{th -} 26th) Field Day www.arrl.org/field-day

July

Saturday 9th ARES Meeting 10a-12p Tuesday 19th SARA Meeting 7p-8p

August

Saturday 6th ARES Meeting 10a-12p Saturday 6th Warnerville Time Trial 7a-12pm Willms Road East of Oakdale, near Knights Ferry need 5 operators Saturday 13th Ham Cram 7:30a-4:00pm Tuesday 16th SARA Meeting 7p-8p

September

Saturday 10th ARES Meeting 10a-12p Tuesday 20th SARA Meeting 7p-8p

October

Saturday 8th ARES Meeting 10-12p Friday-Sunday (14, 15, 16) Pacificon San Ramon Marriot Tuesday 18th SARA Meeting 7p-8p Saturday TBD Stanislaus County Bike Club Golden Hills Century Knights Ferry 7a-4p need 5-6 operators

November

Saturday 5th ARES Meeting 10a-12p Tuesday 15th SARA Meeting 7p-8p

December

Saturday 3rd ARES meeting 10a-12p Tuesday 20th 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 3^{rd} 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 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.

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 .

Officers and Board Member

2022 SARA Club Officers and Board Members Officers:

President: Randy Spindler, KF6RJS Vice President: John Otte, K6JRO Secretary: Lucian Thomas, KF6NPG Treasurer: Vicki Peitz, KJ6RCV Sergeant at Arms: Zach Pelham, KI6KQO

kf6rjs@yahoo.com k6jro@arrl.net kf6npg@aol.com vptigger@gmail.com zsp1919@icloud.com

Board Members:

Scott Griffin, N6CICscottandalene@msn.comRichard Aal, W8AALdick_aal@comcast.netEverett Young, KN6NQNkn6nqn@gmail.comJim Walsh (past president), KK6CPN kk6cpn@yahoo.com



Committees/Workgroups:

Club Technician: Patrick Dunbar, KG6AZZ Readout Editor: John Otte, K6JRO Community Events: Lucian Thomas, KF6NPG Stanislaus County ARES: patd@kg6azz.net k6jro@arrl.net kf6npg@aol.com

k6jro@arrl.net

Emergency Coordinator: John Otte, K6JRO

Nominations are held every November with elections in December

STANISLAUS AMATEUR RADIO ASSOCIATION (SARA) MEMBERSHIP FORM



Check One	: New Member F	Renewing Member Family Membership	
NAME:		CALLSIGN:	_
ARRL Mei	mber:(Yes) (No)		
ADDRESS	ð:	CITY:	
ZIP:	PHONE: Home	Cell:	
E-Mail:			
ADDITIO	NAL FAMILY MEM	IBERS AT SAME ADDRESS:	
NAME:		CALL SIGN: AF	RRL: (Yes) (No)
e-m	nail		
NAME:		CALL SIGN: A	RRL: (Yes) (No)
e-m	nail		
NAME: _		CALL SIGN:A	RRL: (Yes) (No)
e-m	nail		
NAME: _		CALL SIGN:AF	RRL: (Yes) (No)
e-m	nail		

TOTAL DUES PAID: _____ Date: ____

One-year membership dues are \$30.00(if paid by cash, check, or money order) \$31.00 if paid through PayPal. Family Dues are \$45 and is the same for all methods of payment. You can access the PayPal payment by going to the club web site www.saraclub.net Note: Bring membership form to SARA Meeting or Mail to: SARA Club, P.O. Box 4601, Modesto, CA 95352-4601

April 3, 2021

