

THE **Readout**

STANISLAUS AMATEUR RADIO ASSOCIATION

S.A.R.A.



WD6EJF
WWW.SARACLUB.NET
145.390 – PL 136.5



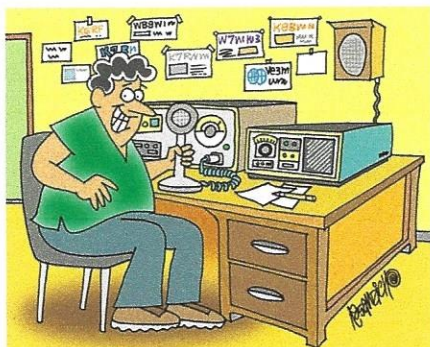
April 2019 Newsletter

Next general meeting is:

Tuesday April 16, 2019 at 3705 Oakdale Road
Modesto, CA 95357. Meeting begins at 7:00PM.

There is an informal meet and greet at Perko's
3500 Oakdale Road Modesto, CA 95357

Club members begin to arrive between 5:30pm and
6:00pm and usually sit in the back-dining room. All are
welcome to attend.



From the desk of the Readout editor:

It is hard to believe another month has passed us by and it is time for another edition of THE READOUT. I hope everyone enjoys the informative articles and the photographs from the Turlock Lake Road Race and March of Dimes Walk.

If you are a packet user you have probably discovered that we have an issue with the SARA node. The TNC is acting up and it will need to be reset. Thankfully the digipeater function is still working.

If you are interested in emergency communications and public service please check out the Stanislaus ARES section of the newsletter.

If anyone has information that they want included in the Readout please submit to the editor at kf6npg@aol.com. Please try and have the information or articles to the editor by the 5th of each month.



Kit fun.



Message from the Club President Wally KK6CPN

A big thanks to everyone who has renewed their membership or became a new member of the SARA club. Remember your membership dues go to upkeep of your repeater systems, rent, electricity and insurance for Mount Oso where our radio equipment is located. The club membership will be updated this month.

I look forward to seeing everyone at this month's meeting.

Stanislaus Amateur Radio Association

March 19, 2019

(conducted at OES 3705 Oakdale Rd)

MINUTES

President **Wally, KK6CPN** called the meeting to order at 7:03 p.m.

Sergeant at Arms **Danny, W6DMC** led the Pledge of Allegiance

President **Wally, KK6CPN** led the round of introductions

The minutes from February 15, 2019 were read, correction made on dates for **Field Day June 22 and 23**, **Bill, AE6J** moved and **Mark, WB6BJN** seconded to accept the minutes.

President **Wally, KK6CPN**, reported Dues are due April 1, an email will be sent out as a reminder to pay, 78 paid members as of March 19. If you would like to see some presentations on meeting days, contact President **Wally, KK6CPN**.

Vice President **Jason, KA6TIO**: had no report.

Tuesday night nets reminder to let it drop before transmitting, there is a delay with Echo Link, adding Echo Link as a check in on Tuesday night net.

Treasurer **Vicki, KJ6RCV** gave her treasurer's report. As of March 19, 2019, our account balance is **\$6,579.44** of which **\$770.22** is the **Field Day Fund**. Four bills paid: **Moeller Mt. Oso (Repeater Site Rent)**, **John Otte (Ham Cram supplies/ARRL)**, and **PG&E (Mt. Oso utilities)** total of **\$433.20**. **Income: Split the Pot, Dues,**

Ham Cram, and WINSYSTEMS rent total of \$1,193.00, moved **Mark, WB6BJN** and **Eve, N6BIP**, seconded to accept the treasurer's report.

Sergeant at Arms **Danny, W6DMC** brought cookies to enjoy and has raffle tickets for Field Day fund, one ticket for a \$1 or (6) tickets for \$5,

Board Members: **Tom K6KQR, Bill AE6J, and Paul W6UHF** nothing to report.

Equipment/Mt Oso: **Patrick K6GAZZ** reported no more crackling, will have to do some patching and sealing of equipment on the hill.

ARES: **Pat, KG6JXZ** upcoming Turlock Road Race and March of Dimes, April 6 meeting will be deployed and working on packet stations.

Weather: **Mark, WB6BJN** reported wet weather until end of March beginning of April.

Community Events: None reported.

Ham Cram/Field Day: **Bill, AE6J** next Ham Cram April 13, Field Day June 22-23, 95 days from March 19. Saturday dinner provided by the SARA club, Tri-tip, green salad, rolls and dessert, please attend April 16th meeting so President **Wally, KK6CPN** can get a list going on who will be attending the Saturday dinner. **Gary, WA6UXA** mentioned Field Day for Manteca Club is at the fire station located on Murphy Road.

Un-Finished Business: None reported.

Break/Raffle: 50/50 raffle \$56.00 won by **Paul, W6UHF** donated back to Field Day fund. Antennas were raffled winners were **Bill AE6J, Robert the Farmer KD6BNY, and Gary WA6UXA.**

New Business: Madera Swap Meet April 27 9-2 p.m. May meeting a presentation will be on DMR.

Meeting Adjourned: 8:05 P.M.



Joining S.A.R.A.: We are currently taking membership applications for 2019.

One-year membership dues are \$30.00 for individuals, or \$45.00 for a Family.

To join S.A.R.A., fill out this registration form and bring to any S.A.R.A. meeting or mail to: P.O. Box 4601, Modesto, Ca., 95352-4601.



STANISLAUS AMATEUR RADIO ASSOC. 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)

NAME: _____ CALL SIGN: _____

ARRL:(Yes) (No)

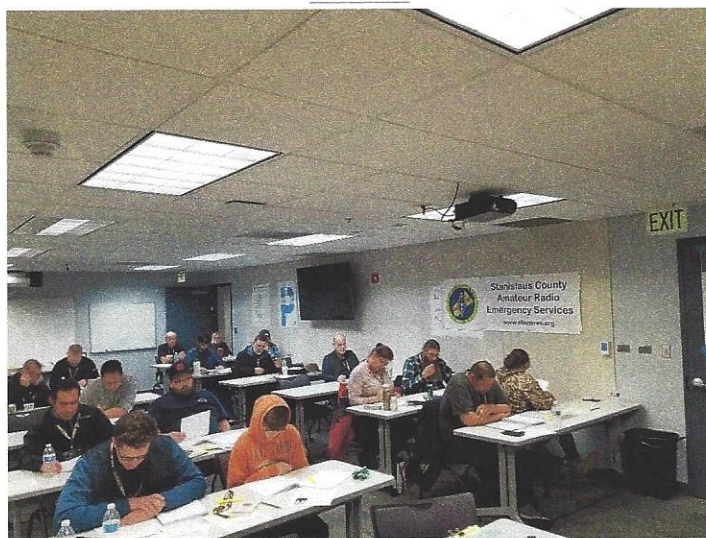
TOTAL DUES PAID: _____ Date: _____

One-year membership dues are \$30.00, Family Dues are \$45

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

Ham Cram Information

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



When and Where?

April 13, 2019

3705 Oakdale Road, Modesto, CA

Registration opens at 7:45AM and the study session begins promptly at 8:30AM

Test begins at 4:00 PM

Please bring the following:

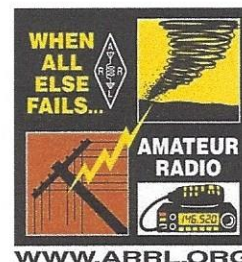
- A valid identification, preferably CDL (California Driver's License)
- Cash or check for \$25 for the Ham Cram study and testing session, check preferred and payable to Stanislaus Amateur Radio Association (SARA).
 - If you are attending the test only session at 4:00pm the cost is \$15.00
- If you are upgrading your license, please bring a copy of your current license as well as the ORIGINAL.

Sign Up

Please send the following information to hamcram@stanares.org

Full name, Address, Phone, Call Sign if you have one

If you're interested in the all-day Cram (study session) or Test only? Any other comments.



The Stanislaus ARES Report

www.stanares.org

The Stanislaus County Amateur Radio Emergency Service is composed of FCC licensed Amateur Radio operators who have voluntarily registered their capabilities and equipment for public service communications duty under Federal regulations, Amateur Radio public service communications are furnished without any compensation of any kind. ARES® personnel are prepared to respond during emergencies by a continual training program, and by maintaining their radio equipment and other response items in excellent condition. The team consists only of those who want to help, and who are dedicated to staying prepared to render radio-communications assistance during emergency conditions.

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 ARES connect web site <https://arrl.volunteerhub.com/lp/sjv> and create an account. Please check in on the ARES radio net very Wednesday at 7:30 pm on the 145.390 – pl. 136.5 S.A.R.A. repeater and attend the monthly training meeting 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.

The next Stanislaus County ARES meeting will be Saturday May 4, 2019 at 3705 Oakdale Road Modesto, CA. In addition to our general ARES group information we will have a presentation on DMR radio.

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.

Here is the web site for the ARRL Introduction to Emergency Communications Course (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 the 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 Pat KG6JXZ at kg6jxz@charter.net, or 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.*

A new ham operator training class has been scheduled for Saturday April 27, 2019. It will be held at 3705 Oakdale Road Modesto, CA (same location where the SARA Club and Stanislaus ARES meetings are held). Check out the training announcement on the next page.



Calling All New Ham Radio Operators

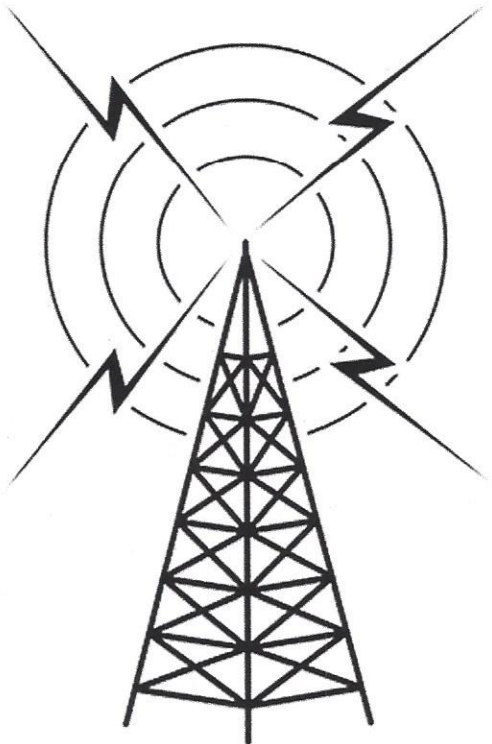
TECHNICIAN TRAINING

Learn how to use your Ham Radio

Let us teach you the basics:

What Radio to buy
How to use a radio properly
What to say and when to say it
Use Echolink
Use radio live on the air
Antennas
Basic Equipment
Ham Speak

Offered by Stanislaus County ARES and Stanislaus Amateur Radio Association. There is NO COST for this class.



April 27, 2019

1:00 PM – 5:00 PM

**3705 Oakdale Road
Modesto, CA**

Please register in advance by sending your name and call sign to the email below. If you need your radio programmed please include the make and model in your registration email.

Techtraining@stanares.org

More Street Sense for Emergency Communication

Reprinted from the ARRL ARES Newsletter March, 2019

Duane Mariotti, WB9RER, is a biomedical engineer supporting hospitals, and has experience in communications during numerous disasters. He is currently coordinator of the Kaiser Permanente Amateur Radio Network (KPARN) in California.

We published ten operating tips from Mariotti in the January 2019 issue. Here are ten more.

1. Document your Communications Plan on ICS-204, 205, 205A forms, with command and tactical channels, etc., listed. Minimally, every event requires a command and tactical channel and secondary channels of same. Some incidents require additional information, resource, logistics, and other channels. Put them in the plan.
2. Select a primary repeater, a secondary repeater and a go-to simplex frequency, and document them on the ICS forms. More if needed.
3. Have a power contingency plan: battery, generator, solar. Know how many hours your generator and battery can run, based on current draws from the various loads.
4. Use tactical call signs. For things that do not move, use a specific, well-known location such as "high school," or "fire station #22" - they should be pre-planned and documented in the plan. For things that move, decide how you will identify them -- typically use street, eg, "Westwood Road." Do not assign different tactical names for every event - too confusing.
5. Use a tactical call sign to start a transmission - your FCC ID finishes it. You only need call signs at completion of traffic and every ten minutes - stop using your call every microphone PTT press.
6. Remember, everyone knows what a cell phone is - it is duplex communication. With few exceptions in amateur communication, which is semi-duplex, only one person can talk at a time and no interruption. Keep it short and remind people that when other people are talking no one can hear them.
7. The world does not revolve around 2-meters and 440 MHz. The 6-meter and 220 MHz bands, along with 900 MHz and 1.2 GHz are also available bands with unique characteristics. In urban areas 1.2 GHz is said to have the same coverage as 440 MHz with some other benefits.
8. If you are planning on using a certain repeater for incident communications, know something about it: its exact location, height above average terrain (HAAT), coverage footprint, effective radiated power (ERP), modes (DMR, D-STAR, P25, Fusion, FM analog, etc). Remember, Amateur Radio is interoperability king -- create an FM analog "access channel" as is now common in public safety so various systems can find each

other quickly, sort of a rally point of contact. Amateurs need to have defined and monitored "access channels" per organization.

9. If you publish an access channel - monitor it always!

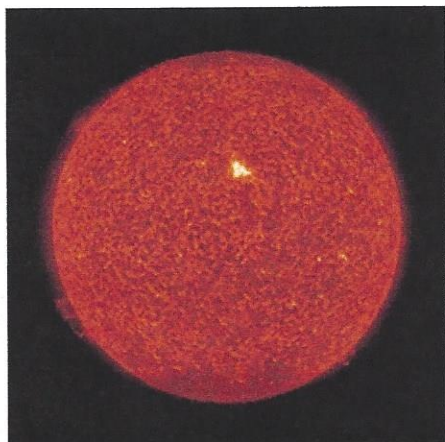
10. Do not forget the auto patch - just because everyone has a cell phone does not mean that auto patch, properly configured, would not be a tool when local cell coverage is non-existent. Know how to use the autopatch function on your repeaters.

The K7RA Solar Update

Reprinted from the ARRL Letter April 4, 2019

Tad Cook, K7RA, Seattle, reports: Sunspots have been coming and going lately, and this week they returned. No sunspots were seen January 31 - March 4, March 13 - 17, or March 25 - 30. They returned on March 31 and have been visible every day since.

The average daily sunspot number declined from 16 to 9.4 over the reporting week. Average daily solar flux dropped from 75.2 to 69.5. Average daily planetary A index rose from 3.7 to 8.4, while average middle latitude A index went from 3.9 to 7.3.



Predicted solar flux is 70 on April 4 - 6; 72 on April 7 - 10; 70, 69, and 69 on April 11 - 13; 70 on April 14 - 22; 69, 68, 69, and 69 on April 23 - 26; 70 on April 27 - May 7; 69 on May 8 - 10, and 70 on May 11 - 18.

Predicted planetary A index is 12, 10, 10, 12, and 8 on April 4 - 8; 5 on April 9 - 11; 15 and 8 on April 12 - 13; 5 on April 14 - 23; 10, 8, 5, 8, 10, and 8 on April 24 - 29; 10 on April 30 - May 1; 8 on May 2 - 3; 10 on May 4; 5 on May 5 - 8; 15 and 8 on May 9 - 10, and 5 on May 11 - 18.

Sunspot numbers for March 28 - April 3 were 0, 0, 0, 14, 17, 18, and 17, with a mean of 16. The 10.7-centimeter flux was 68.4, 68.8, 69.4, 69.5, 69.3, 70.8, and 70.6, with a mean of 75.2. Estimated planetary A indices were 11, 7, 4, 11, 8, 6, and 12, with a mean of 3.7. Middle latitude A index was 10, 6, 3, 9, 6, 5, and 12, with a mean of 3.9.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) K9LA's Propagation Page.

A propagation bulletin [archive](#) is available. [Monthly charts](#) offer propagation projections between the US and a dozen DX locations.

[Share](#) your reports and observations.

COMMUNITY EVENTS



April

Saturday 6th ARES Meeting 10a-12pm

Saturday 6th Turlock Road Race 7a-3p (depending on assignment) Turlock Lake
22600 Lake Rd. La Grange.

Saturday 6th March of Dimes Walk 8a-12p Beyer Park.

Saturday April 13th Ham Cram 8a to 5p 3705 Oakdale Road Modesto, CA

Saturday 20th Copperopolis Road Race 7a-3p (depending on assignment) Hunt
Road and Milton Road.

Saturday 27th MS Walk 8a-12p Beyer Park need.

Sunday April 28th Regalado Road Race 7a-12p (depending on assignment) East of
Oakdale, CA on Wamble Road/Highway 120 Burchel Nursery

May

Saturday 11th Ride for Mom 7a-4p (depending on assignment) Johansen High
School

Saturday 18th Modesto Downtown Criterium 7a-3p

Sunday 19th Modesto Road Race Salida Area 7a-12p

June

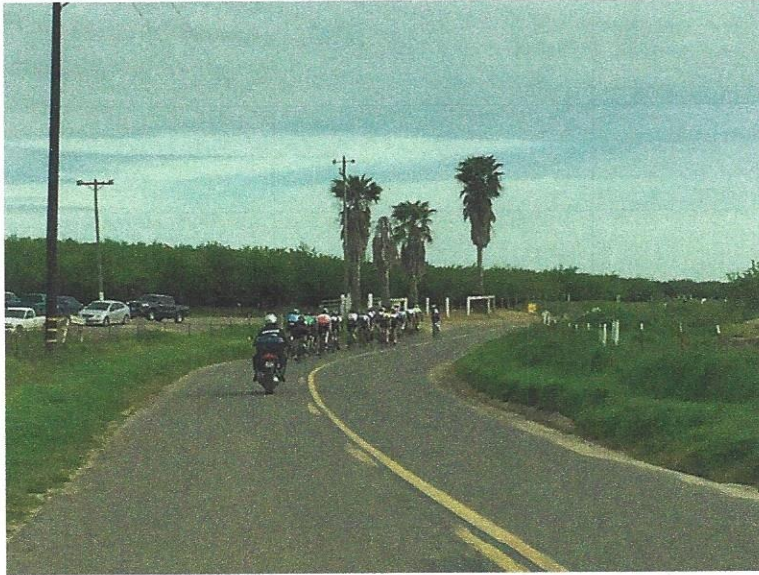
Friday through Sunday (21, 22, 23) Field Day

August

Saturday 17th Ham Cram 8a to 5p 3705 Oakdale Road Modesto, CA

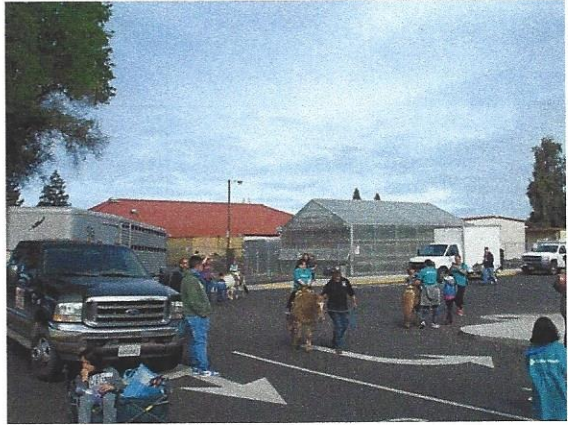
John K6JRO, Bill AE6J, Derrill W7LTM, Joe WB6AGR, Paul W6UHF, Jim W6IJR, Dave KA6GJN, John N6JCS, Pat KG6JXZ, Kevin, Vincent KM6IRY, Aaron KM6JAL, Patrick KG6AZZ, Mark KI6HOB, Brendon NK6M, Mark N6ARP and Mike KM6MHT all worked the Turlock Road Race Saturday April 6, 2019.



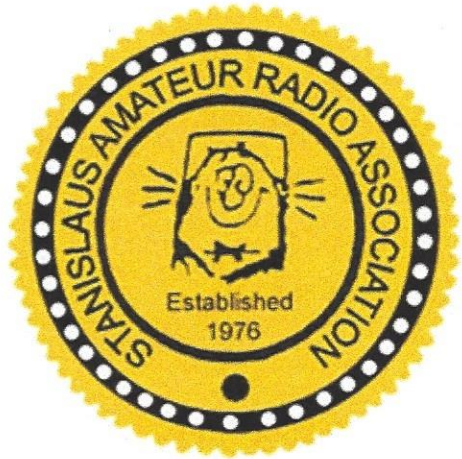


Lucian KF6NPG, Katie KJ6HHA, Robert KD6BNY and Tom K6KQR all worked the March of Dimes Walk on the same day.





Thanks to all who worked last Saturday's events.





LOCAL NETS

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 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 .

S.A.R.A. operates several repeaters.

These are located on Mt. Oso in Patterson, CA:

145.390 – pl 136.5

51.800 – pl 136.5

224.240 – pl 136.5

440.225 +pl 136.5

Digital node 144.910, digipeater name “SARA”.

145.110 – pl 136.5 is a low-level repeater located in Modesto, CA.

Turlock Amateur Radio Club (W6BXN) has several nets as well:

Morning commute and Beer and Pizza Net Monday through Friday 6:30am to 7:00am 147.030 + pl 100 or 447.700 + pl 94.8.

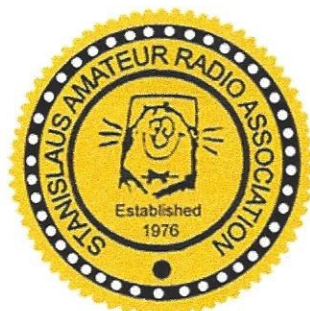
Weekly club net every Tuesday (except the 2nd Tuesday) at 7:00pm on the above repeaters.

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.

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 8:00pm on the TARC repeaters. They have a monthly meeting the third Wednesday at 6:00pm at the Merced County Health Department, 260 East 15th Street Merced, CA.

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



2019 SARA Club Officers:

President	Jim Walsh KK6CPN	kk6cpn@yahoo.com
Vice President	Jason Peitz KA6TIO	ka6tio@gmail.com
Secretary:	Robin Axton KG6ZYQ	axtonr@hotmail.com
Treasurer	Vicki Peitz KJ6RCV	
Sergeant at /Arms	Danny Cortez W6DMC	cortezdanny51@gmail.com
Board Member	Paul Owen W6UHF	w6uhf@aol.com
Board Member	Tom Brawley K6KQR	ki6kqr@sbcglobal.net
Board Member	Brendon Church NK6M	brendonchurch@me.com
Board Member	Bill Danforth AE6J	ki6hmv@gmail.com
Committees/Workgroups:		
Club Technician	Patrick Dunbar KG6JXZ	patd@kg6azz.net
Readout Editor	Lucian Thomas	kf6npg@aol.com
Community Events	Lucian Thomas	kf6npg@aol.com
Stanislaus County ARES Emergency Coordinator	Pat Mandas KG6JXZ	kg6jxz@charter.net