

VICE PRESIDENT'S MESSAGE SEPT., 2019

Greetings! News Flash! The program topic for the September 4th membership meeting has been changed to "The Tubbs and Camp Fires - Phones,

Fires and Failures," to be presented by Alan Thompson W6WN. It will focus on the communications failures that placed people's lives at risk during the fires, the vulnerability we all face in our modern-day, over-reliance on cell phones and the Internet, and the role of ham radio clubs. It's bound to be informative and fascinating. The APRS topic will be rescheduled.

Club elections will be held during the November membership meeting. A nominating committee has been formed that will send out "feelers". Please consider serving in a rewarding capacity.

August was a fine month of service and fun, beginning with public outreach at the Novato Space Festival; fox hunt, food and comradery at the SCRA 80th anniversary picnic held at Howarth Park; camping and HF radio play at A. W. Way County Park as part of the Mini-DXpedition (where several of us participated via SSB in the North American QSO Party); and public service smoothly providing communications for the Tour de Fox Wine Country bicycle event. SCRA is a happenin' club.

September brings more opportunities, including a part-day seminar on "How to

Program your New Radio" where we welcome both students and elmers to this class to share programming knowledge. Then the MS Waves to Wine two-day bicycle charity event occurs to raise funds for the National Multiple Sclerosis Society. SCRA provides radio communications which depend upon volunteer hams like you to be the radio operators. I encourage you to visit the SCRA website for details of various upcoming events and to sign up. Also check out the Calendar on the website.

Our next Technician Class (and VE testing) will be held in October. Spread the word!

- Fred AE6SF

SEPTEMBER PROGRAM

The Tubbs and Camp Fires - Phones, Fires and Failures

by Alan Thompson W6WN

JOIN ARRL, THE AMERICAN RADIO RELAY LEAGUE

The ARRL is the national organization of Amateur Radio. It represents Amateur Radio at International Conferences and before the FCC. Get the monthly QST magazine, insurance for your equipment and too many other benefits to mention here. Click <http://www.arrl.org/membership/>



If you are not getting the ARRL San Francisco Section news by e-mail and you are an ARRL member, be sure to subscribe under your Members Only information or go to this Web site:

<http://www.arrl.org/Groups/view/san-francisco>

2019 Club Officers

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Vice President	Fred Seitel	AE6SF
Secretary	Bill Dornbush	KM6BYD
Treasurer	Iola Beckley	KK6HRE
Director	Randy Hall	AA6RH
	Doug Payne	KF6LMB
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SCRA Club Meetings

The club normally meets the first Wednesday of each month, socially at 6:30 pm, program starting at 7:00 pm. Exceptions are holidays or other big events.

Meeting location:
Luther Burbank Art & Garden Center
2050 Yulupa Avenue
Santa Rosa, CA



All are welcome!

Please join us at our next meeting. Anyone interested in Amateur Radio is eligible for membership. A membership application is included in this newsletter. For more information, contact any SCRA officer, director or member. Hungry before the meeting? Join us for dinner! We Meet at IHOP restaurant, 4th and Farmers Lane, Santa Rosa. People start showing up at 5:15 PM. No RSVP is required.

Board of Directors Meeting

The SCRA Board of Directors will meet monthly on the Second Wednesday at the IHOP Restaurant, Fourth Street, Santa Rosa (in the Safeway/CVS Pharmacy center). All members are welcome to attend, no reservations necessary. Arrive around 5:15- 5:30pm for dinner. Meeting starts at 6:00pm.

LOANER RADIOS AVAILABLE

The Club has a variety of radios available to members to try out and improve their skills. We have a Kenwood T590 SG HF radio; Yeasu FT 2900 2 meter mobile; Yeasu FT1D, an analog/digital 2 meter and 440mhz HT; Yeasu FT 60, a 2 meter and 440 mhz HT; and a TYT TH-F5 VHF 2 meter HT. Trying these out is an excellent way to learn some radio and test before you buy. Contact Joe, K6AWA, at k6awa@yahoo.com with your request. Joe will forward an information form to you by return email.

UPGRADE TO GENERAL OR AMATEUR EXTRA CLASS

Get more privileges and enjoyment from your Ham Radio Hobby. [Mentoring assistance](#) is available. Contact Cornell Chesnik, W6HMN, SCRA Education Chair, at w6hmn@sonic.net.

Tuesday Night Net

The Sonoma County Radio Amateurs' net meets Tuesday at 7:00 PM on the SCRA repeater, 147.315, positive offset, PL 88.5.

All members and guests are invited to check in. The Net includes updates on SCRA activities, and News-line, the amateur radio community news service.

Anyone wishing to work as net control should contact lola kk6hre, at K6SON@ARRL.NET for assignment. Script and logs are available on the Website at <http://sonomacountyradioamateurs.com/wp/resources/net-script/>



The Weekly 160 Meter Net

Announcing the new 160 meter net which runs from 8:45pm to 9:30pm Tuesday nights, immediately following the 10 meter net hosted by Joe K6AWA. Tune your radio frequency to 1.900 Mhz. LSB. 160 meters requires a General or above license to transmit.

Your Tuesday Night Net Line-up

7:00pm Membership Net on the SCRA repeater, 147.315, positive offset, PL 88.5

10 Meter Net - starts at 8:00pm (new time) following the regular SCRA net Tuesday nights and ends at 8:45pm. Set your dial to 28,403.00 SSB, USB. Please note that all license classes (including technician) are welcome.

160 Meter Net - runs from 8:45pm to 9:30pm. Tune your radio frequency to 1.910 Mhz. LSB. 160 meters requires a General or above license to transmit.

Digital Mobile Radio Sonoma County Talk Group 31707!

The club's DMR footprint continues to expand! We established a beachhead on DMR and the BrandMeister network of repeaters and hotspots by adding a talk group for Sonoma County! We are using talk group number 31707 to keep in touch on DMR and be able to discuss local news and topics of interest. The use of a talk group like 31707 allows a wider variety of Sonoma County DMR hams to be able to consistently reach each other on the air. Best of all, the 31707 talk group can be reached on hotspots as well as repeaters, meaning you can tie into your local community wherever you are!

Sonoma County DMR Net, Moving to Thursdays at 6:30 PM PT!

We also started a DMR net for Sonoma County (using talk group 31707) that lets us practice a little bit of traffic handling, while also allowing us to get together and talk about ways we can integrate DMR into our normal operating habits! Currently Randy AA6RH runs net control. If you have a DMR radio, make sure to program it (or ask Randy to help you program it) to include talk group 31707 on any of the area DMR repeaters (there are at least four in Sonoma County!) and join us on Thursday evenings!

2019 SCHEDULE OF EVENTS

Check the [Club website](#) for details

Community outreach:

9/28-29 PCAM

10/26 Science Festival

Public Service:

9/21-22 Waves to Wine

10/5 Gran Fondo

11/2 SoNoMas

11/9-10 Santa Rosa bike trione

80th Anniversary

? Skunk train

10/? Hamfest or swapmeet

12/4 Holiday dinner

OTHER:

9/7 Programming Your Radio

10/19 JOTA

10/18-20 Pacificon

VE Sessions

9/14

11/16



<https://www.bikemonkey.net/>

CONTEST CORNER

Welcome to September's Contest Corner.

Summertime is winding down and pretty soon fall will be upon us then winter soon after. For testers this means now is a good time to get that station in top shape for the upcoming contest season. A thorough look at your antenna farm or single antenna will be the single most important part of station tune-up. Strive for low loss feed lines from rig to antenna and make sure all your connections are clean, tight, and weatherproof. Work on those ergonomics as pertaining to your rig, mic, key/paddle, tuner, computer, and so on. Don't forget about good lighting and a comfortable chair. The attention you give your station now just may bring new rewards when the bands are open during your favorite contest. Do not wait!

September has contests and special events that will give us worldwide signals from the relatively easily worked to the ones' we hope to dig out of the noise. There are eight or so state qso parties to keep those 5-band WAS ops busy and others looking to put a new state in their log. The North American Sprint, CW takes place September 8th and the RTTY version on the 15th. These two sprints run for four hours only but will test the best ops and challenge anyone's skill in sending and copying the exchange in a dynamic environment. The ARRL has their September VHF Contest for 50 MHz and up. This is another good contest to work outdoors particularly at elevation. You can run ssb, cw, or digital and play around with a variety of antennas depending on the band opening. The last full weekend in September will give you the CQ Worldwide DX Contest, RTTY. As with all the CQ contests this one is very popular with hams. Tune in and you will hear the rhythm of RTTY.

Do not forget to check out <http://www.contestcalendar.com>

Contact nq6e@arrl.net for questions/comments/suggestions regarding Contest Corner.

72/73,
NQ6E

Bruce Draper, AA5B, aa5b.corral@gmail.com

Contest Corral

September 2019

 Check for updates and a downloadable PDF version online at www.arrl.org/contests.

Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

Start - Finish Date-Time	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 1800	2 0300	1.8-UHF	Tennessee QSO Party	CW Ph Dig	RS(T), county or SPC	tnqp.org/rules
2 2300	3 0300	1.8-50	MI QRP Labor Day CW Sprint	CW	RST, SPC, mbr or power	www.miqrp.net/contest
3 0100	3 0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
4 2000	4 2100	3.5	UKEICC 80-Meter Contest	Ph	4-char grid square	www.ukeicc.com
5 1700	5 2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	nrau.net/activity-contests
5 1900	5 2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
7 0000	7 2359	3.5-28	Russian RTTY WW Contest	Dig	RST, 2-letter oblast or CQ zone	www.qrz.ru/contest/detail/93
7 0000	8 2359	3.5-28	All Asian DX Contest, Phone	Ph	RS, 2-digit age	www.jarl.org/English
7 0600	7 0800	7,14	Wake-Up! QRP Sprint	CW	RST, serial, suffix of previous QSO	qrp.ru/contest/wakeup
7 1200	8 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
7 1300	8 0100	1.8-UHF	Nebraska QSO Party	CW Ph	County or SPC (FT8: grid square)	qcwa.org/2019-ne-qso-party-rules.pdf
7 1300	8 1259	1.8-28	IARU Region 1 Field Day, SSB	Ph	RST, serial	darc.de/der-club/referate/conteste/iaru-region-1-fieldday/en
7 1300	8 1300	3.5-28	RSGB SSB Field Day	Ph	RS, serial	www.rsgbcc.org/hf
7 1400	7 2200	3.5-28	Ohio State Parks on the Air	Ph	OH park abbreviation or "OH" or SPC	ospota.org
7 1600	7 1900	3.5	AGCW Straight Key Party	CW	RST, serial, class, name, age	www.agcw.org/index.php/en
7 2000	8 2000	3.5	PODXS 070 Club Jay Hudak Memorial 80-Meter Sprint	Dig	RST, SPC	www.podxs070.com
8 0000	8 0400	3.5-14	North American Sprint, CW	CW	Other station's call, your call, serial, name, SPC	ncjweb.com
8 1000	8 1400	144	WAB 144 MHz QRO Phone	Ph	RS, serial, WAB square or country	wab.intermip.net
9 0000	9 0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
9 1900	9 2030	3.5	RSGB 80-Meter Autumn Series, SSB	Ph	Other station's call, your call, serial, name	www.rsgbcc.org/hf
14 0000	14 2359	1.8-VHF	FOC QSO Party	CW	RST, name, mbr (if any)	g4foc.org/qsoparty
14 0000	15 2359	3.5-28	WAE DX Contest, SSB	Ph	RS, serial	darc.de/der-club/referate/conteste/worked-all-europe-dx-contest/en
14 1000	15 1000	1.8-28	SARL Field Day Contest	CW Ph Dig	RS(T), # of transmitter, category, province or "DX"	www.sarl.org.za
14 1400	15 2000	All	Texas QSO Party	CW Ph Dig	RS(T), county or SPC	www.txqp.net
14 1500	15 0300	3.5-28	Alabama QSO Party	CW Ph	RS(T), county or SPC	www.alabamqsoparty.org
14 1500	15 0959	3.5-28	Russian Cup Digital Contest	Dig	Serial, 4-char grid square	qrz.ru/contest/detail/86.html
14 1800	16 0259	50 and up	ARRL September VHF Contest	CW Ph Dig	4-char grid square	www.arrl.org/september-vhf
15 0000	15 0400	3.5-14	North American Sprint, RTTY	Dig	Other station's call, your call, serial, name, SPC	ncjweb.com
15 1300	18 0700	1.8-144	Classic Exchange, CW	CW	Name, RST, SPC, rcvr/xmtr model	www.classicexchange.org
15 1700	15 2059	3.5-28	BARTG Sprint 75	Dig	Serial	bartg.org.uk
16 0100	16 0300	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrptest.com/pigrun
18 1900	18 2030	3.5	RSGB 80-Meter Autumn Series, CW	CW	Other station's call, your call, serial, name	www.rsgbcc.org/hf
19 0030	19 0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
20 2100	20 2359	3.5	AGB NEMIGA Contest	CW Ph Dig	RST, serial, mbr (if any)	www.ev5agb.com
21 0000	22 2359	2.3 GHz and Up	ARRL EME Contest	CW Ph Dig	Signal report	www.arrl.org/eme-contest
21 0000	22 2359	All	Collegiate QSO Party	CW Ph Dig	School name, school mascot, operating class	collegiateqsoparty.com
21 0600	22 2359	10 GHz to light	ARRL 10 GHz and Up Contest	CW Ph Dig	6-char Maidenhead locator	www.arrl.org/10-ghz-up
21 1000	22 1000	144, 432, 1296	SARL VHF/UHF Digital Contest	Dig	RST, 6-char grid locator	www.sarl.org.za
21 1200	22 1200	3.5-28	Scandinavian Activity Contest, CW	CW	RST, serial	www.sactest.net
21 1200	22 1200	1.8-28	All Africa International DX Contest	CW Ph Dig	RS(T), serial	www.sarl.org.za
21 1400	21 1800	144, 432	AGCW VHF/UHF Contest	CW	RST, serial, power class, 6-char grid	www.agcw.org/index.php/en
21 1400	22 0200	All	Iowa QSO Party	CW Ph Dig	RS(T), county or SPC	www.w0yl.com/IAQP
21 1500	21 2100	1.8-28	QRP Afield	CW Ph Dig	RS(T), SPC, mbr or power	www.newenglandqrp.org
21 1600	22 0359	3.5-28	New Jersey QSO Party	CW Ph Dig	RS(T), county or SPC	www.k2td-bcrg.org/njqp
21 1600	22 2200	All	New Hampshire QSO Party	CW Ph Dig	RS(T), county or SPC	www.w1wqm.org/nhqso
21 1600	22 2359	1.8-144	Washington State Salmon Run	CW Ph Dig	RS(T), county or SPC	www.wdxc.org/salmonrun
21 1800	21 1959	1.8-50	Field Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
22 1300	25 0700	1.8-144	Classic Exchange, Phone	Ph	Name, RS, SPC, rcvr/xmtr model	www.classicexchange.org
23 1900	23 2300	144	144 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
25 0000	25 0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
25 2000	25 2100	3.5	UKEICC 80-Meter Contest	CW	4-char grid square	www.ukeicc.com
26 1900	26 2030	3.5	RSGB 80-Meter Autumn Series, Data	Dig	Other station's call, your call, serial, name	www.rsgbcc.org/hf
28 0000	29 2359	3.5-28	CQ Worldwide DX Contest, RTTY	Dig	RST, CQ zone, SP (if US/VE)	www.cqwrrty.com
28 1200	29 1200	1.8-28	Maine QSO Party	CW Ph	RS(T), county or SPC	ws1sm.com/MEQP.html
30 1300	1 0400	1.8-28	QCX Challenge	CW	RST, name, SPC, rig	qrp-labs.com/party.html

All dates refer to UTC and may be different from calendar dates in North America. Contests are not conducted on the 60-, 30-, 17-, or 12-meter bands. Mbr = Membership number. Serial = Sequential number of the contact. SPC = State, Province, DXCC Entity, XE = Mexican state. Listings in blue indicate contests sponsored by ARRL or NCJ. The latest time to make a valid contest QSO is the minute listed in the "Finish Time" column. *Data for Contest Corral is maintained on the WA7BNM Contest Calendar at www.contestcalendar.com and is extracted for publication in QST 2 months prior to the month of the contest. ARRL gratefully acknowledges the support of Bruce Horn, WA7BNM, in providing this service.*



SCRA Merchandise QST

The limited edition SCRA 80th Anniversary Lapel Pins are available at \$5 each. These stylish 1.25" lapel pins feature our full color 80th Anniversary logo with an epoxy dome finish and a military/butterfly clutch back to secure the pin in place.

They not only look good on a lapel, but they'll give your hats, sweaters, jackets and tote bags that SCRA touch.



The SCRA/Halls webstore is on-the-air! Just tune your internet device to the website hosted by Halls Executive Gifts and Awards (AKA Frederick Engraving) at <http://scra.hallsapparel.com>.

This time, when you order a shirt, in the style, color and size of your choice, it will be available for pickup within a couple of weeks. And now you also have the option to either pick it up from Halls yourself or pick it up at a future membership meeting.

Most members have found that the shirt sizes fit as expected, but if you tend to run in between sizes, we recommend the larger size.



Please email any questions and comments to merchandise@sonomacountyradioamateurs.com.

SCRA Membership QST

The SCRA membership stands at 216.



Welcome new and returning members:

- Dan Burkhart KN6DXB (T) San Francisco
- Daryl Morefield KN6CWP (T) Santa Rosa
- Elizabeth Baughman Associate Santa Rosa
- Fred Peterson KN6DJO (T) Healdsburg
- Nick Allen KN6DJQ (T) Santa Rosa
- Robert Jesse AK6KA (E) Occidental
- Ron Otten KD1JAK (T) Santa Rosa
- Wei Chiu Associate Santa Rosa
- Wendy Haynes KN6DON (T) Santa Rosa
- Will Bradley KG7PTW (T) Santa Rosa



New call signs:

- Barbara Schrock K6BES
- David Reichard KD6DWR
- Eugene Bastian KN6DJS



License Class Upgrades:

- David Reichard KD6DWR – Amateur Extra

Membership Count by License Class	
License Class	Count
Advanced	3
Amateur Extra	69
General	61
Technician	74

We have nine Associate members.

If you have recently achieved a new license class, obtained a new call sign, or changed your address, email or phone, please email membership@sonomacountyradioamateurs.com with your update. And don't forget to report your address change to the FCC!

Programming Your Radio



Ooh, ooh, I have a Question!

From the NEW 2019 -2023 General Class Question Pool:

G4D08 (C)

What frequency range is occupied by a 3 kHz LSB signal when the displayed carrier frequency is set to 7.178 MHz?

- A. 7.178 to 7.181 MHz
- B. 7.178 to 7.184 MHz
- C. 7.175 to 7.178 MHz
- D. 7.1765 to 7.1795 MHz

And What About This?

From the Extra Class Question Pool:

EE7H01 (D)

What are three oscillator circuits used in Amateur Radio equipment?

- A. Taft, Pierce and negative feedback
- B. Pierce, Fenner and Beane
- C. Taft, Hartley and Pierce
- D. Colpitts, Hartley and Pierce

New General Class Question Pool Goes Into Effect July 1, 2019.

The new question pool for the General Class Exam has gone into effect. You can find it at <http://www.arrl.org/general-question-pool>.

There will be a Programming Your Radio class on Saturday, September 7, 2019.

It will be held at Rincon Valley Mobile Estates, 4671 Circle Drive (Rincon Valley), Santa Rosa, CA from 9:30am - 12:30pm

Now that you have your new radio, you may need help with programming it. This one day class will help you with that challenge. Bring your radio and Owner's Manual, paper and pen, so you are ready to jot down the information that will come at you. We will have Elmer's standing by to help you with your radio.

Bring a Brown Bag lunch in case we decide we need to go beyond 12:30. We are planning on three hours but may go beyond that. This will be a very casual class. If you want to take a dip in the pool after class, bring your swim suit and towel. [Sign up on the SCRA web site](#) or send me an email at w6hmn@sonic.net.

Mentors

Having a problem with your equipment? Can't get the SWR down or your radio won't tune up? Notice some smoke escaping from your transceiver? You may need some help but where to go for this help. You could come to the club meetings and talk to people to see if they can help. You're bound to find someone to help you.

Help can also be found at the SCRA web site (sonomacountyradioamateurs.com). Just log in and click on the Member Area and then click on Mentors. Here you will find a list of hams that are willing to help out so you can your problem solved and get back on the air.

Cornell, W6HMN

TOUR DE FOX WINE COUNTRY

SCRA provided radio communications for the Tour de Fox Wine Country bicycle event that benefited Parkinson's research via the Michael J. Fox Foundation and hosted over 900 cyclists on four routes. The sponsor was Kendall Jackson. The communications went smoothly. I thank the following hams who worked it: Randy AA6RH, Darryl KI6MSP, Iola KK6HRE; Barbara K6BES (Net Control); Charles KC6CTT, John W6JEB, Doug KF6LMB, Philip KF6GNH, Warren K6WRP, Cornell W6HMN (Aid Stations); Ed W1EJ, Mike KK6QJK, Kenn N4NTJ, Tom K6TJP (SAGs); and on double duty, Tom K6TJP (Bike Marshal), Ed W1EJ (Traffic 1). The photo shows the Net Control station.

- Fred AE6SF, Comm Boss for TDF



Darryl KI6MSP and Randy AA6RH at Net Control
At Beautiful Kendall Jackson Wine-Estate and Gardens



APRS



Sonoma County Radio Amateurs Membership Meeting Minutes Date: August 7, 2019

Call to order: John called the meeting to order at 7:02 pm

The president determined that a quorum is present.

Board members present: John KE5RI, Fred AE6SF, Iola KK6HRE, Doug KF6LMB, Bill KM6BYD

Absent: Randy AA6RH

New members: Rick KN6DDE, Vince KN6DLS, Nick KN6DJQ, Bill W6DSM, Ron KN6DJR, Daryl KN6CWP, Gene KN6DJS, Wendy KN6DON

Guests: Sue (Nick's wife)

Mike AD6YB presented the CA ISO State-wide Emergency last Sunday, a transmission emergency. Power lines coming into CA: two were down, one at risk due to wildfire. CAL ISO handles transmission of power between producers and consumers. PG&E declared status red. What could happen- blackout like 2003, what happened- nothing.

Radio loaner program: Joe loaned the antenna analyzer to a member

NET CONTROL: The following members are the net control stations for August:

Aug 13 Charles KC6CTT
Aug 20 Darryl KI6MSP
Aug 27 Brian N6IY
Sep 3 Joe K6AWA

Announcements etc: Barbara is now K6BES. Darryl KI6MSP: On July 20, the anniversary of the moon landing, he went to USS Hornet and made a QSO. At the North Bay Space Festival, he got photos and autographs which are in Short Skip. Andru KJ6YFD helped with a DMR buildout

at his employer, using his amateur radio skills. KI6UGB Dave: During the Boy Scout jamboree, he contacted the net in South FL and other places around the US. Rich W3HWJ went to the Alameda CA historical radio society (CHRS) great event. Fred AE6SF contacted the Boy Scouting jamboree.

Program: Dave Harrison W6IBC led the meeting as auctioneer of Boat Anchors, Sale items for auction, and the club benefits from most sales. Iola KK6HRE announced that \$1057 was donated.

Ham of the Month: deferred to next month

BREAK

Approval of minutes: Mike AD6YB moved to accept, Cornell W6HMN seconded and asked for one minor change to remove "Technician" from exams, and the motion was approved.

REPORTS

Treasurer report: Iola KK6HRE reviewed our accounts status.

Activities: Iola KK6HRE: On Sunday, we have a picnic at Howarth Park from 12-4. Please sign up on the web site.

Community outreach: Darryl KI6MSP is working with Sonoma County Library for an ARISS contact; on Aug 18, he will activate Point Montera Lighthouse for special event station; on Sep 8, there is an emergency preparedness event at fairgrounds, and he will be part of ACS (Sonoma County Auxiliary Communication Service) at the event.

Education: Cornell W6HMN has a list of those who passed the test and will publish them in Short Skip, and he thanked those who helped. The next class is Oct 11-13.

Continued on page 11...

Minutes continued from page 10...

Field Day: Brian N6IYY: We made more contacts than last year. We had good press coverage and official recognition. There is a debrief this Sat from 9:30-11 at the Field Day site. Next: think about winter field day.

Merchandise: Dan KK6VIQ is working on more ordering online and asked that you see Short Skip for details.

Membership: Dan KK6VIQ reported we now have 211 members. KN6EWU Ed is now general.

Repeater: no report

DX Team: Doug KF6LMB stated that 11 members + 3 guests are going next week to the MiniDX. There are lots of activities to do, and the North American QSO party is Saturday. See Short Skip for details.

VE testing: Brian N6IYY reported that a record number of sessions happened including Field Day, 2 weeks later, then a week later. The next testing session is in September.

Public Service: Fred AE6SF reported that Tour De Fox needs SAGs.

Emergency Service: no report

NEW BUSINESS

None

The meeting adjourned at 9:06 PM, as Fred AE6SF moved, and Doug KF6LMB seconded the motion to adjourn.

Respectfully Submitted,
Bill Dornbush KM6BYD

SCRA HAM OF THE MONTH RECIPIENTS			
Year	Month	Name	Call Sign
2019	Aug	Scott	KJ6QIQ
2019	June/July	Carol	KK6OLL
2019	May	Randy	AA6RH
2019	Apr	John	WB6FRZ
2019	Mar	Erin	K6ERI
2019	Feb	Fred	AE6SF
2019	Jan	Dave	KI6UGB
2018	Dec	—	—
2018	Nov	Iola	KK6HRE
2018	Oct	Dan	KK6VIQ

Nine New Hams

Our last Technician License Class was held July 12-14, 2019. There were ten students that spent that weekend studying with our instructors: John, WB6FRZ, Jeff, KI6PBF, Darryl KI6MSP and Fred, AE6SF.

Sunday afternoon they all took the Technician License Exam and nine passed.

I would like to congratulate the following students on getting their Technician ticket:

Marielle-KN6DJK, Diane-KN6DJL, John-KN6DJM, Michael-KN6DJN, Frederick-KN6DJO, Kimberly-KN6DJP, Nicholas-KN6DJQ, Ronald-KN6DJR and Eugene-KN6DJS.

If you hear any of these new hams on the air please give them a call.

Our next Technician License Class will be October 11-13, 2019 at the Graton Firehouse. [Sign up on the SCRA web site](#) or send me an email at w6hmn@sonic.net.

Cornell, W6HMN



SCRA BOARD OF DIRECTORS MEETING MINUTES

Date: August 14, 2019

Call to order by John Felton KE5RI at 6:04 pm. A quorum was present.

Board members present: John Felton KE5RI, Fred Seitel AE6SF, Bill Dornbush KM6BYD, Iola Beckley KK6HRE, Randy Hall AA6RH, Doug Payne KF6LMB

Absent: none

Others: Darryl Paule KI6MSP, Cornell Chesnik W6HMN, Mike Von Der Porten AD6YB, Dan Drummond KK6VIQ, Brian Torr N6IY

Approval of previous meeting minutes: Iola KK6HRE moved, Randy AA6RH seconded, and the motion carried.

OFFICER AND DIRECTOR REPORTS

Treasurer report: Iola KK6HRE reported on the club checking account, including \$1027 donations from the club sale at the Membership meeting on August 7, 2019.

COMMITTEE REPORTS

Activities – Iola KK6HRE reported that the picnic was a great time. The next activity will be the Christmas dinner which may include a documentary.

Community Outreach – Darryl KI6MSP reported on the Novato Space Festival where people indicated their interest in amateur radio.

Membership – Dan KK6VIQ reported that we have 212 members, including 33 new members this year.

Public Service – Iola reported we have 4 more events: Tour De Fox, Waves to Wine, Grand Fondo, and SoNoMas. Fred AE6SF noted that we need more SAGs for Tour de Fox.

Merchandise – Dan KK6VIQ reported that he is working with Halls on a new campaign for hats, coffee mugs, and more.

Education – Cornell W6HMN reported the next class in October 11-13 in Graton has 1 signed up so far. On Sept 7, there will be a “how to program your radio” class.

Em Comm – John KE5RI noted that we need to strengthen

this committee’s work. We discussed approaching county and city to partner with them if there are power shutoffs.

Field Day – Brian N6IY reported we had a debrief session Saturday. He discussed the need for additional shelters and station coordination, and the need to improve the sub-band pass filters, and to improve the GOTA station band access.

Programs – Randy AA6RH reported that Ed Fong will talk with us in October via remote Skype. Randy is planning APRS for September.

Website – no report

Refreshments – Iola KK6HRE reported that Warren K6WRP has one more meeting then Cornell W6HMN takes over.

Repeater – no report

Radio Loanout program – no report

Unfinished Business – Iola reported that we have too much in our checking account. She suggested that we might evaluate moving some to savings.

Darryl KI6MSP noted that we have not had discussion about elections. Dan KK6VIQ reported what was done last year with an email and follow-up calls to members. John asked him to form the Nominations Committee. Fred volunteered to help. The third member is to be named.

NEW BUSINESS

Iola KK6HRE noted that we need a calendar for helping the president with time related tasks and she will work on it.

Darryl KI6MSP reported that the Sonoma County Library is planning an ARISS contact. He suggested the club build a station to support this. He asked Randy AA6RH to coordinate video-recording the contact.

Darryl KI6MSP proposed a scholarship. There was discussion about the legality of us giving scholarships. It was suggested that this be discussed at the annual planning meeting. The proposal as a concept beginning point can be worked. John KE5RI would like to form a committee with Bill KM6BYD as chair, with Darryl KI6MSP, Randy AA6RH, and Cornell W6HMN.

The meeting ended at 7:12 pm.

Respectfully Submitted,
Bill Dornbush KM6BYD, Secretary

REPAIR AND REUSE PARTY



Darryl Paule of the Sonoma County Radio Amateurs group fixes Freestone resident Melissa Bonney's portable Bluetooth speaker on Saturday, Aug. 31, 2019, at the Northwest Regional Library in Santa Rosa.

Daryll KI6MSP participated as one of many volunteer repair people. Demonstrating here one of the other facets of Amateur Radio, electronics experimentation and repair. Check out the full story in the Press Democrat ... https://www.pressdemocrat.com/lifestyle/9978357-181/reuse-and-repair-party-draws?fbclid=IwAR3Qs8-9kQG7AA7IXvydE4dLht5C-RH1aMYFWYrXTc18Du_oYRzw_FyiNq8&artslide=0&sba=AAS



JOTA

JOTA (Jamboree on the Air) is an annual Global Scouting event bringing Boy and Girl Scouts from all over the world together on Amateur Radio.

The event takes place on the 3rd weekend in October. This year it starts the evening of Friday, Oct 18 and lasts until the afternoon of Sunday Oct 20.

Guidelines for Radio operators can be found here-> <https://www.scouting.org/jota/operators-guides/>

There are some basic rules that should be followed:

All radio operators must operate their stations strictly in accordance with their national licensing regulations;

Stations should call "CQ Jamboree" or answer Scout stations calling to establish a contact;

Any authorized frequency may be used. It is recommended that stations use the agreed World Scout Calling Frequencies listed below as starting points. To avoid congestion, other frequencies close by should be used as well.

The listed frequencies are "calling frequencies." After you make contact with a station, ideally you'll QSY (move) to another frequency and leave the calling frequency open for others to establish contact.

See <https://www.scouting.org/jota/operators-guides/> for more information and the frequencies referred to above.

Additionally JOTI (Jamboree on the Internet) runs concurrently as a Global chat room for Scouts. For more info on JOTI visit <https://www.scouting.org/joti/>

Locally the Club will be working with Scouts USA to put on access points at the Graton Fire Station on Saturday Oct. 19th from 9am to 4pm.

Activities to include:

Radio Theory class covering the Scouts USA Radio Merit Badge and the radio portions of the Girl Scouts Radio & Wireless Technology Patch Program

HF stations

JOTI laptop stations

ARDF (Amateur Radio Direction Finding) or Foxhunt

Contact Dave Kraybill (dave@kraybill.org) for more info.

PORTABLE OSCILLOSCOPE BACK FEET BLUES

By John Breckenridge, WB6FRZ

Have you ever had the blues? Broken scope back feet blues, that is?

If you have then you know just what I'm talking about. If not, then it's a condition that happens to just about all types of portable oscilloscopes over a period of time. The extension feet placed on the back of the scope wear out, break down, or break off after using them as intended - setting the scope on the feet, on the floor, with the display pointing up. This is a very handy position when you're away from home and have no table or bench on which to use the scope.



I was fortunate enough to purchase a Tektronics Type 453 50 MHz bandwidth scope some time ago at a ham radio swap meet. The scope worked pretty-well electrically but, you guessed it, the back extension feet were bent and broken apart. So I decided to fix this problem by machining some round aluminum rod. Each foot was attached with a 6-32 screw so I included that into my design. The power cord wraps around the feet so I needed to take that into consideration too. Here's the design I came up with:



The wide end sits on the floor and the small end attaches to the scope. There is a hole through the part with a counter-bore at the wide end to allow the screw head to be recessed into the extension foot.

Yes, I had to make four of them using a lathe. Each foot is 1 1/2 inches long. The wide flange at the end is 1 inch in diameter and the small flange at the other end is 3/4 inch in diameter. The main body outside diameter is 1/2 inch in diameter. The order in which you machine a part like this is important; if you don't think it through beforehand you can end up like the proverbial floor painter whom paints himself into a corner - except worse; it usually means you throw out the part and start over. In order to hold the part properly for machining I needed to make a holding tool designed especially to hold the foot. Here it is shown with how it is used to hold the foot:



Continued on page 15...

O-Scope Back Feet Blues continued from page 14...

Next are some photos of some of the machining operations:



Here is one of the finished extension feet ready to be installed, and one of the last feet being installed on the scope:



Continued on page 16...

O-Scope Back Feet Blues continued from page 15...

Finally, here are all the new extension feet installed on the scope with the cord wrapped around them:



I have found that designing and machining parts conveniently-supports my amateur radio and electronics habits. But not everyone has a machine shop at home. Let me know if you run across the need to modify an existing part or the need for a new part; I may be able to help. My shop machines are not computer-controlled; they're old and used but I can still make some nice parts with them.



Have to have a Fox Hunt It's been caught at this point.

SCRA 80th Anniversary Picnic Photos



Welcome



Continued on page 17...



Picnic continued from page 14...



Countdown to W4DXCC

September 20th and 21st, 2019, Pigeon Forge, TN

Hello Friends and Club Officials

I want to ask that you pass along this announcement about this years W4DXCC convention onto your club members and friends, thank you in advance.

Hello from **W4DXCC 15 DX and Contest Convention**.

The response to this years event is just Awesome! Plan on attending today! The Website has been updated with the latest News Go Here [W4DXCC](#)

Friday is the Ham Radio Bootcamp where we do our best to provide the knowledge to New and Experienced Hams alike. If your new to some of the new digital modes like FT8-FT4 you wont want to miss Bootcamp. After dinner Friday evening we meet for a special Live Ask The Elmer session in the main convention hall. Come and ask those questions you have from A to Z.

Saturday is the main convention where we have 6 presenters giving you the inside scoop on what is going on. Following each presentation we have time for questions if you would like to know more.

We have all of the leading radio and equipment manufacturers setup in the lobby with the latest gear for you to twist the knobs or click the mice. More importantly you can have a one on one to ask questions about the gear with the company representative in a relaxed environment.

We have a fully operational Ham Shack setup where you can come learn hands on with an Elmer to show you the ropes and make QSO's in CW, Phone and different digital modes.

The Convention is a great place to meet with your friends. Coordinate with your friends to attend the convention and spend time with them reminiscing of the good old days.

We will have VE Testing on Saturday so get to studying for that test and also study for that Upgrade!

It is time to make your Hotel reservations for this years convention. Go here to the Website Hotel reservation page [Hotel Reservations](#)

The Convention admission includes Snacks and Drinks during Saturdays session and Lunch. Convention Registration is now Open including Online Ticket Purchasing. There is an evening Banquet that you can attend. When you purchase your Convention tickets also buy the Banquet tickets, seating is limited for the Banquet.

You can make your ticket purchase anytime by going here [Online Ticket Purchase](#)

Check out the Website and learn about the W4DXCC DX and Contest Convention. Go Here [W4DXCC Convention](#)

Best 73

See you soon,
Dave Anderson, K4SV
Convention leader
Dave@w4dxcc.com

©2019 W4DXCC DX and Contest Convention | 1271 Red Fox Road, Tryon 28782



**Sonoma County Radio Amateurs, Inc.
PO Box 116, Santa Rosa, CA 95402**

(Please print & fill out the form and mail it in with your check payable to SCRA.)
(Please check all that apply)

Date: _____ New Member: Renewal:
 1) Name: _____ Call Sign: _____ License Class: _____
 Address: _____ City: _____ Zip: _____
 Cell Phone: _____ Home Phone: _____
 Email: _____ Show contact info in Roster:
 ARRL Member:

SCRA Dues: The renewal date for SCRA dues is January 1st. Dues are \$20/year for individual, \$30/year for families, and \$15/year for youth (under 18).

*** Prorated Dues for New Members Only:** Reduced dues after the 1st quarter.
 2nd Quarter April–June: \$5.00 off — 3rd Quarter July–September: \$10.00 off
 4th Quarter October–December: Pay the yearly dues for next year and get the rest of this year free.

Family Membership Members:

2) Name: _____ Call Sign: _____ License Class: _____
 Address: _____ City: _____ Zip: _____
 Cell Phone: _____ Home Phone: _____
 Email: _____ Show contact info in Roster:
 ARRL Member:

3) Name: _____ Call Sign: _____ License Class: _____
 Address: _____ City: _____ Zip: _____
 Cell Phone: _____ Home Phone: _____
 Email: _____ Show contact info in Roster:
 ARRL Member:

4) Name: _____ Call Sign: _____ License Class: _____
 Address: _____ City: _____ Zip: _____
 Cell Phone: _____ Home Phone: _____
 Email: _____ Show contact info in Roster:
 ARRL Member:

I would like more information about:

- | | |
|--------------------------------------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> a) Public Service Events | <input type="checkbox"/> f) Training Classes |
| <input type="checkbox"/> b) Field Day (4 th Saturday in June) | <input type="checkbox"/> g) VE License Exams |
| <input type="checkbox"/> c) Contesting & DXing | <input type="checkbox"/> h) Field Trips |
| <input type="checkbox"/> d) Emergency Services | <input type="checkbox"/> i) Short Skip Newsletter |
| <input type="checkbox"/> e) SCRA Net Control | <input type="checkbox"/> j) SCRA Committees |
| <input type="checkbox"/> f) SCRA Loaner Radio Program | <input type="checkbox"/> k) Other _____ |

SCRA Dues: Individual \$20, Family \$30, Youth (under 18) \$15 (*see Pro-Rated Dues above) \$ _____

Name Badge: \$10 each Please circle clasp type, either Clip or Magnet. \$ _____

1) Call Sign: _____	First Name: _____	City: _____	Clip or Magnet
2) Call Sign: _____	First Name: _____	City: _____	Clip or Magnet
3) Call Sign: _____	First Name: _____	City: _____	Clip or Magnet
4) Call Sign: _____	First Name: _____	City: _____	Clip or Magnet

SCRA Logo Patch: \$5 each \$ _____
 SCRA Logo Decal: \$2 each \$ _____

Please make check payable to SCRA. Total Amount Due: \$ _____

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SHORT SKIP ARCHIVES AVAILABLE

Mike, AD6YB, has set up archives for past and present issues of Short Skip. They are available on the Website, log into Members Area, Short Skip, click on the first sentence. Mike has scanned in the old paper issues and it is really interesting to browse through them to see what those guys were doing. There are historical photos as well. An important record of our history and ham radio in general. Good Stuff.

[\(Click Me\)](#)

DIDN'T FIND WHAT YOU NEEDED?

If you are looking for something more on a topic or your topic of interest hasn't been covered lately, let us know. Something you'd like to see in Short Skip?

Contact the editor, shortskipeditor@gmail.com or for general questions and /or suggestions, k6son@arrl.net

SHORT SKIP NEEDS YOUR INPUT

SHORT SKIP ARTICLES WANTED

Dave, KI6UGB, our Short Skip editor is always looking for articles of interest. They can be technical, a good (or bad) experience that other members may learn from, hints or kinks that worked for you in solving a problem, or just about anything ham radio related. Send your contributions to Dave at shortskipeditor@gmail.com

