



CLUB STATION
K6SON

Short Skip

The Newsletter of

Sonoma County Radio Amateurs, Inc.

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REPEATER STATION
W6SON

Volume 46, Number 8

August 2021

Working A Bird...

by Howard Sidorsky K6SID

On July 18 at approximately Noon I worked my first Satellite. This came after weeks of trying to work the Satellites SO-50 and AO-91 with my Yaesu FT 60 and a new Elk antenna that I bought two months ago. Many times I was able to hear the satellites, but I could not work them. Today I was able to complete a QSO with W7EEE via AO-91. He was working as Summits on the Air. He was in the Grid CN93. After no success in the past, I am now partially relieved to have worked a single contact via a satellite.



Because I have struggled trying to work them, I thought a Club Meeting program dealing with Satellites could teach me a thing or two. Perhaps it was just plain luck that I was able to complete the QSO. Knowing that others may have trouble working Satellites, I have scheduled for our September club meeting a Zoom session with presenter Clint Bradford, K6CLS, who will walk us through how to work Satellites with a HT.

One of the tools that I use that really helps me log the QSO is a recorder app on my tablet. Calls and confirmations are coming in so fast and often that it is hard to be writing down all the information and at the same time holding the Elk and HT in my hands, trying to position the Elk antenna at the Satellite, while trying to complete the QSO. Completing the QSO includes writing down the Callsign, Grid, time, and other information. I found it very difficult by hand in the past and the Recorder App solved part of the problem.

So if you are interested in learning how to work satellites with your HT, be sure to attend or login to our Hybrid September Club meeting. You can also go to the K6CLS web site at work-sat.com to get some additional information.

I hope to see all of you at our club meeting on September 1 at 7 PM.

FEATURED ARTICLES:

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IN-PERSON MEMBERSHIP MEETINGS RESUME BY FRED AE6SF [PAGE 6](#)
FIELD DAY 2021 RECAP BY BRIAN N6IY [PAGE 15](#)
SCRA PORTABLE OPERATIONS COMM. BY PETER KN6AWA [PAGE 17](#)



PRESIDENT'S MESSAGE AUGUST, 2021

Greetings! The major news this month is that SCRA has resumed holding in-person membership meetings at the Luther Burbank Art and Garden Center, beginning August 4, 2021.

A face covering is required.

Alternatively, you may attend

via Zoom. [See page 6](#) for meeting details. I look forward to seeing your smiling eyes. But with the Delta variant gaining ground, seeing them via Zoom is also satisfying.

Also momentous, Kenn Clark N4NTJ was elected Director to fill out the remaining 2021 term. Congratulations and welcome to the Board of Directors, Kenn.

Public Service opportunities abound starting the last weekend in August and for three of four weekends in September. Come work 2 meters, and at Fish Rock, 70 centimeters. See calendar within and sign up on the SCRA website. New hams, we want you too to participate. The event sponsors really appreciate our communication services.

Do you like operating portable? Peter KN6AWA is chairing the freshly minted Portable Operations Committee, the successor to the Mini-DX Committee. Sounds like mini outings will be a part of the activities.

Howard K6SID made first contact with a satellite, see article within for the inside scoop. Also within, Brian N6IIY recaps Field Day results. Bob K3FUL and Darryl KI6MSP have led community exercises to map GMRS/FRS coverage. The Growing Radio Amateurs electronics group, led by Bill AA6BD, is taking a one-month break, but see [page 16](#) for a recent project report. Brian N6IIY and Trudie KM6DYD have assisted greatly in bringing hybrid meetings to fruition. John WB6FRZ has scheduled an in-person Technician License Class September 10-12, to be held at the Graton Fire Protection District station. Brian N6IIY and his VE team plan to conduct a drive-up exam session likely in September.

We say Aloha to long time active member Charlie KZ6T who is relocating to the [Big Island of Hawaii](#). Aloha!

Live Long and Prosper,
- Fred AE6SF

SCRA Membership Meeting

In Person: [See page 3](#). **Online:**

Wed, August 4, 2021 7:00 PM

Via computer, tablet or smartphone.

Short link: <https://fredee.com/mm>

Full Link: <https://zoom.us/j/95450532024?pwd=V25FWFWM0MHNNMVVFMIjMGFqTUtdz09>

Meeting ID: 954 5053 2024

Passcode: 123698

Via one tap mobile

+16699006833,,95450532024#,,,,,0#,,123698# US (San Jose)

Via telephone (voice only). Long distance charges may apply: +1 669 900 6833 US (San Jose)

Meeting ID: 954 5053 2024

Passcode: 123698

Find your local number: <https://zoom.us/u/acm9Tw3VzM>

AUGUST PROGRAM**Neighborhood Communication
with GMRS/FRS Radio**

by Bob Dozor K3FUL

**JOIN ARRL, THE AMERICAN RADIO
RELAY LEAGUE**

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

2021 Club Officers

President	Fred Seitel	AE6SF
Vice President	Mike Von der Porten	AD6YB
Secretary	Peter Murphy	KN6AWA
Treasurer	Warren Pierce	K6WRP
Director	Kenn Clark	N4NTJ
	Howard Sidorsky	K6SID
Past President	John Felton	KE5RI

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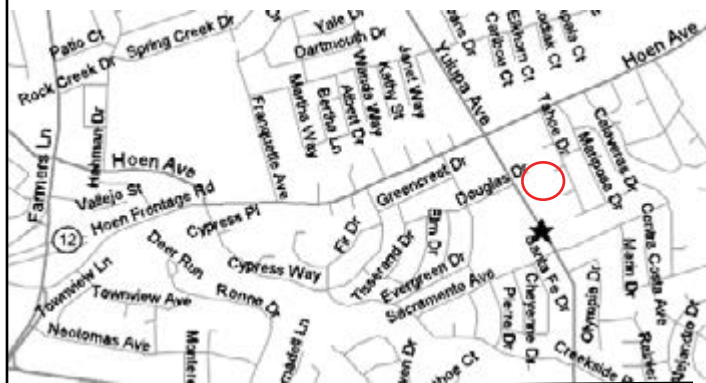


SCRA Club Meetings

ONLINE: [see page 2](#). IN PERSON:

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 **Round Table Pizza, 2424 Magowan Dr, Santa Rosa**. People start showing up at 5:15 PM. No RSVP is required.

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 Fred AE6SF at ae6sf@arrl.net for assignment. Script and logs are available on the Website at <http://sonomacountyradioamateurs.com/wp/resources/net-script/>

SCRA Board of Directors Meeting (Online Only)

The SCRA Board of Directors will meet monthly on the Second Wednesday online. ~~Round Table Pizza, 2424 Magowan Dr, Santa Rosa.~~ All members are welcome to attend, no reservations necessary. ~~Arrive around 5:00pm for dinner.~~ Meeting starts at 7:00pm.

We switched to Zoom. Arrive early.

Wed, August 11, 2021 7:00 PM

Via computer, tablet or smartphone.

Short link: <https://fredee.com/bod>

Full link: <https://zoom.us/j/92394941525?pwd=WXYzaW4zZ1VybgHkPcHkyMmx2TGhiUT09>

Meeting ID: 923 9494 1525

Passcode: 123698

Via one tap mobile

+16699006833,,92394941525#,,,,,0#,,123698# US (San Jose)

Via telephone (voice only). Long distance charges may apply:

+1 669 900 6833 US (San Jose)

Meeting ID: 923 9494 1525

Passcode: 123698

Find your local number: <https://zoom.us/u/a5vkJ0H1Z>



The Weekly 10 Meter Net

Your Tuesday Night Net Line-up

2 Meter Net (Membership Net) on the SCRA repeater, 147.315, positive offset, PL 88.5

10 Meter Net - starts at 8:00pm following the regular SCRA net Tuesday nights and ends when all available raggs have been chewed. Set your dial to 28.403 MHz USB. Please note that all license classes (including technician) are welcome.

Digital **M**obile **R**adio 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 happens on 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. If you have a DMR radio, make sure to 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!

YAESU SYSTEM FUSION WEEKLY NET



Every THURSDAY night at 7:00pm Pacific Time, Bill AA6BD will coordinate a Fusion Digital Voice Net on the (NEW!) Wires-X room K6SON-ROOM #80798. You can also connect to the K6CSR repeater at 441.650 MHz. If you have any device that can access Fusion / WIRES-X, join us on this interesting and really high quality voice mode! This will give you an opportunity to try out your rig, ask questions, and exchange ideas. We'll see you there!

For more information on Fusion, have a look at the "Presentation on Fusion from 7-1-2020" at <http://sonomacountyradioamateurs.com/wp/wp-content/uploads/2020/07/YSF-7-1-2020.pdf>

For those who do not have a Yaesu System Fusion radio, the club equipment loaner program has several units. Contact Bill AA6BD about availability at loaner@sonomacountyradioamateurs.com For questions on the Fusion Net, contact Bill AA6BD at AA6BD@ARRL.net.

Repeater 101 for new Amateur Radio Operators

Are you a new Amateur Radio Operator and aren't sure what to do next? Have you been around for a while but don't know all that much about our repeater systems? This video (<https://youtu.be/TNxyfRDpwpA>) teaches some of the basics of VHF/UHF amateur radio. In this presentation Bob Schmid – WA9FBO - discusses "Repeater 101 for Amateur Radio Operators." He covers transmitters, receivers, controllers, duplexers, combiners, repeater sites and, of course, antennas.

Andrew KE6HID

NEW FORUM AVAILABLE ON SCRA WEBSITE

A new forum has been added to the SCRA Website: **SALES AND SWAPS**

Do you have an extra piece of equipment hanging around your shack that you would like to sell?

Do you need some equipment and would like to buy it used from another club member?

Post your items on the forum:

1. Navigate to <http://sonomacountyradioamateurs.com>
2. Log in to your member account
 - a. If you don't recall your password, use the "Lost Password" link.
3. Select Member area > Forums > Sales and Swaps or navigate to: <http://sonomacountyradioamateurs.com/wp/forums/forum/sales-and-swaps/>
4. Click "Subscribe" so you will be notified of new postings.
5. Browse through what is posted or add your own posting.

Bill Dornbush AA6BD

THE SCRA SEPTEMBER PROGRAM IS BEING PROVIDED BY CLINT BRADFORD, K6LCS.



In-person Membership Meetings Resume

By Fred AE6SF, SCRA President

Woo-hoo! On August 4, 2021, SCRA will resume in-person membership meetings at the Luther Burbank Art and Garden Center (LBA&GC) but with a twist. They will be hybrid meetings whereby members and guests may choose to attend remotely via Zoom rather than in person. Same time, same place.

HEALTH CONSIDERATIONS

Members and guests are expected to follow the health regulations in effect at the time of the meeting. As of Tuesday August 3, 2021, face coverings are required for all in-person attendees of SCRA Membership Meetings regardless of vaccination status with limited exemptions until further notice. (One exception is while actively eating or drinking.) This requirement is found in the following County health order:

<https://socoemergency.org/order-of-the-health-officer-of-the-county-of-sonoma-c19-25/>

Current evidence indicates that the COVID-19 Delta variant is twice as transmissible and has 1000 times the viral load as the Alpha (original) strain. Fully vaccinated persons can be infected by it, and although symptoms may be mild to none, those persons can spread the virus while infected.

We will have masks available for those in need. And please, if you have any symptoms, do not attend in person.

BOARD OF DIRECTORS MEETINGS

BOD meetings will still be conducted via Zoom until further notice.

HOW A HYBRID MEETING WORKS

To borrow terminology, Roomies are participants attending in person and Zoomies are persons attending via Zoom. At LBA&GC, the table and chair arrangements will be as in the past, with Directors sitting at the head tables facing the Roomies audience which in turn faces the projection screen. There will be a minimum of two Zoom sessions running. A

primary computer will handle these tasks:

- Streaming (to Zoom) a view of the Roomies (audience)
- Piping sound bidirectionally between Zoom and the public address (PA) system
- Displaying the Zoom session to the projector, simultaneously the presenter and gallery views
- Session management

A second computer will handle these tasks:

- Streaming (to Zoom) a view of the Director tables
- Roomie presentations. (Zoomies may present remotely.)

A third session may be run at the convenience of the Presenter.

The PA system will play Zoomie comments as well as audio from room microphones (one wired, two wireless) and presentations. It is important that the second (and third) computer be muted, and speaker turned off to preclude echoes. To stay within available Wi-Fi and Internet bandwidths, we ask that Roomies not run additional Zoom sessions unless done via a cell service and the device is kept muted with speaker off.

This is a public meeting with no expectation of privacy. Persons attending the meeting likely will be seen and possibly will be heard on Zoom.

CLOSING COMMENT

Our last in-person membership meeting was in March 2020 and then the lockdown began. At that meeting I advised that it was okay to wear a mask, which I demonstrated, and that we might have to suspend future meetings. That outcome arrived quickly. I am pleased to announce that in-person membership meetings are resuming. Ironically, we just returned to wearing masks. Someday that requirement will disappear, I trust. See you Wednesday, one way or the other.

2021 SCHEDULE OF EVENTS

Check the [Club website](#) for details

All events are assumed to be tentative pending changes in the world climate and local health codes.

- 8/28 Fish Rock (bicycle event)
- 9/4 Lake Sonoma 50 (mile footrace)
- 9/5 Lake Sonoma 100K (footrace)
- 9/18 Waves to Wine (bicycle event)
- 9/19 Waves to Wine (bicycle event)
- 9/25 Giro d'Wine Country (bicycle event)
- 10/16 Jamboree-on-the-Air
Pacificon

UPGRADE TO GENERAL OR AMATEUR EXTRA CLASS

Get more privileges and enjoyment from your Ham Radio Hobby. Mentoring assistance is available. Contact the SCRA Education Chair, at education@sonomacountyradioamateurs.com.

Getting Your Ticket

The FCC stopped mailing paper licenses in December 2020, but anyone who has earned a license can download the current version of it from the FCC by logging into FCC's License Manager System at <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp> using their FCC Registration Number (FRN) and password.

For detailed instructions, go to <http://www.fcc.gov/how-obtain-official-authorizations-uls>

CONTEST CORNER

Welcome to Contest Corner for August 2021.

So we say Aloha! to Charlie KZ6T as he moves to the Big Island of Hawaii, I would like to emphasize that the weekend of August 28-30 is the Hawaii QSO Party. Check <https://www.hawaiiqsoparty.org/> for rules and a link for a T-Shirt. This contest is Ph/CW/Dig. Keep in mind that Hawaii is a DXCC destination if you need that contact.

Other state QSO Contests this month include Maryland-DC the weekend of the 14th plus Kansas and Ohio the weekend of the 28th.

Then there is the North American QSO party for CW on the 7th with the phone version on the 21st.

Stay in practice on CW with the K1USN Slow Speed Test on the 6th (this Friday).

There are several ARRL contests as well, including the Rookie Roundup on Digital on August 22nd.

ARRL Contest Portal, <https://contests.arrl.org/> lists current and upcoming ARRL contests by band and mode.

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

Contact shortskipeditor@gmail.com for questions/ comments/suggestions regarding Contest Corner or to become a reporter.

72/73,
Dave KI6UGB



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

Contest Corral

August 2021

Check for updates and a downloadable PDF version online at www.arrl.org/contest-calendar. Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

Start Date-Time	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 1400	1 1700	3.5-14	SARL HF Phone Contest	Ph	RS, serial	www.sarl.org.za
2 0000	2 0100	1.8-14	K1USN Slow Speed Test	CW	Max 20 WPM. Name, SPC	k1usn.com/sst.html
3 0100	3 0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or Youth)	wwsac.com/rules.html
3 0100	3 0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
3 1700	3 1900	3.5-14	RTTYops Weeksprint	Dig	Other's call, your call, serial, name	rttyops.com
4 0230	4 0300	1.8-21	Phone Weekly Test — Fray	Ph	Name, SPC	perluma.com/Phone_Fray_Contest_Rules.pdf
4 1300	4 1400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org/cwops-tests
4 1700	4 2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
4 1900	4 2000	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org/cwops-tests
5 0300	5 0400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org/cwops-tests
5 1700	5 1900	3.5-14	RTTYops Weeksprint	Dig	Other's call, your call, serial, name	rttyops.com
5 1700	5 2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-character grid square	nrrlcontest.no/index.php
5 1900	5 2000	3.5, 7	EACW Meeting	CW	RST, name, mbr or EA province or country	www.eacwspain.es
5 1900	5 2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
6 0100	6 0230	14	QRP Fox Hunt	CW	RST, SPC, name, power	www.qrpfoxhunt.org
6 0145	6 0215	1.8-21	NCCC RTTY Sprint	Dig	Serial, name, QTH	www.ncccsprint.com
6 0230	6 0300	1.8-21	NCCC Sprint	CW	Serial, name, QTH	www.ncccsprint.com
6 2000	6 2100	1.8-14	K1USN Slow Speed Test	CW	Max 20 WPM. Name, SPC	k1usn.com/sst.html
7 0000	8 2359	3.5-28	Batavia FT8 Contest	Dig	4-char grid square	batavia-ft8.com
7 0001	8 2359	28	10-10 International Summer Contest, SSB	Ph	Name, mbr or "0," SPC	www.ten-ten.org
7 1200	7 2359	1.8-28	European HF Championship	CW Ph	RS(T), 2-digit year first licensed	lea.hamradio.si/~scc/euhf
7 1200	8 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
7 1300	7 1330	144	Two-Meter Classic Sprint	CW Ph	Serial, 4-char grid square	fwrc.info
7 1600	7 1800	3.5-28	FISTS Saturday Sprint	CW	RST, SPC, name, mbr or "0"	fistsna.org
7 1800	8 0559	1.8-28	North American QSO Party, CW	CW	Name, state/DC/province/country	www.ncjweb.com
7 1800	8 1800	222 and up	ARRL 222 MHz and Up Distance Contest	CW Ph Dig	6-char grid square	arrl.org/222-mhz-and-up-distance-contest
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
11 0030	11 0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
11 1500	13 1459	144	MMMonVHF 144 MHz Meteorscatter Sprint	CW Ph Dig	Signal report	mmonvhf.de/ctestinfo.php
11 1700	11 2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
14 0000	15 2359	3.5-28	WAE DX Contest, CW	CW	RST, serial	darc.de/der-club/referate/referat-conteste/worked-all-europe-dx-contest/en
14 0800	14 1100	1.8-28	QRP ARCI European Sprint	CW	RST, SPC, mbr or power	qrparci.org/contest
14 1200	14 1300	7	SARL Youth Sprint	Ph	RS, age	www.sarl.org.za
14 1400	14 2200	3.5-28	Kentucky State Parks on the Air	CW Ph Dig	KY park abbreviation or SPC	k4msu.com/kypota
14 1400	15 0400	1.8-432	Maryland-DC QSO Party	CW Ph Dig	Entry class, county or SPC	w3vpr.org/mdcqsop
14 2300	15 0300	50	50 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
15 1400	15 1700	3.5-14	SARL HF Digital Contest	Dig	RST, serial	www.sarl.org.za
15 1700	15 2100	3.5-28	NJQRP Skeeter Hunt	CW Ph	RS(T), SPC, skeeter # or power	www.qsl.net/w2lj
15 2100	15 2300	3.5-28	FISTS Sunday Sprint	CW	RST, SPC, name, mbr or "0"	fistsna.org
15 2300	16 0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrcontest.com/pigrun
21 0000	22 1600	3.5-28	SARTG WW RTTY Contest	Dig	RST, serial	www.sartg.com
21 0600	22 2359	10 GHz to light	ARRL 10 GHz and Up Contest	CW Ph Dig	6-char grid locator	www.arrl.org/10-ghz-up
21 0800	22 0800	1.8-28	Russian District Award Contest	CW Ph	RS(T), RU district code or serial	rdaward.org/rdac1.htm
21 1200	22 1200	1.8-50	Keyman's Club of Japan Contest	CW	RST, JA prefecture code or CQ zone	kcj-cw.com/e_index.htm
21 1600	21 1759	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
21 1800	22 0559	1.8-28	North American QSO Party, SSB	Ph	Name, state/DC/province/country	www.ncjweb.com
22 1800	22 2359	3.5-28	ARRL Rookie Roundup, RTTY	Dig	Name, 2-digit year first licensed, SPC or XE province	arrl.org/rookie-roundup
25 0000	25 0200	1.8-50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
28 0400	30 0400	1.8-28	Hawaii QSO Party	CW Ph Dig	RS(T) HI district or SPC	hawaiiqsoparty.org
28 0600	29 0559	3.5-28	ALARA Contest	CW Ph	RS(T), serial, mbr, name, YL or OM	alara.org.au/contests
28 1200	29 0300	1.8-50	WVE Islands QSO Party	CW Ph Dig	RS(T), USI/CISA Island Designation or SPC	usislands.org/qso-party-rules
28 1200	29 1200	1.8-28	YO DX HF Contest	CW Ph	RS(T), YO county or serial	www.yodx.ro/en
28 1200	29 1200	1.8-28	World Wide Digi DX Contest	Dig	4-char grid square	ww-digi.com
28 1400	29 2000	3.5-50	Kansas QSO Party	CW Ph Dig	RS(T), KS county or SPC	ksgsoparty.org
28 1600	29 0400	1.8-28	Ohio QSO Party	CW Ph	RS(T), OH county or SPC	www.ohqp.org
29 1400	29 1700	3.5-14	SARL HF CW Contest	CW	RST, serial	www.sarl.org.za

There are a number of weekly contests not included in the table above. For more info, visit: www.qrpfoxhunt.org, www.ncccsprint.com, and www.cwops.org. 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.





KUDOS

Hammy: Our statue for ham of the month.

Dan KK6VIQ nominated for Hammy Dave KI6UGB for all the work he does maintaining the website and publishing the Short Skip newsletter and being patient in receiving input and working long hours for us.

Fred AE6SF gave kudos to David KD6DWR as the first person to volunteer for net control prior to the membership meeting. Fred AE6SF gave kudos to two hams who donated complete HF stations to the club: James Carvalho AE6TQ and David Fain W9IQG.

Iola KK6HRE gave kudos to Kenn N4NTJ and Charles KC6CTT for helping to program her HT. Andru KJ6YFD gave kudos to Iola KK6HRE for setting up the amazing club picnic.

Clayton KN6EMO gave kudos to the Elmers who opened their homes on Field Day to newer hams. Kathy KM6URP seconded Clayton specifically to John WB6FRZ, Brian N6IYY, Howard K6SID, and Bob K3FUL for opening their stations to her on Field Day.

SCRA HAM OF THE MONTH RECIPIENTS

Year	Month	Name	Call Sign
2021	July	Dave	KI6UGB
2021	June	Brian	N6IYY
2021	May	John	WB6FRZ
2021	Apr	Howard	K6SID
2021	Mar	Erin	K6ERI
2021	Feb	Kenn	N4NTJ
2021	Jan	Iola	KK6HRE
2020	Dec	—	—
2020	Nov	Dan	KK6VIQ
2020	Oct	Curt	WA6TIP
2020	Sep	Joe	K6AWA
2020	Aug	Brian	N7MOE
2020	July	John	KE5RI
2020	June	Darryl	KI6MSP
2020	May	Charlie	KZ6T
2020	Apr	David	N5PSM
2020	Mar	Bill	AA6BD
2020	Feb	—	—
2020	Jan	Cornell	W6HMN
2019	Dec	—	—
2019	Nov	Doug	KF6LMB
2019	Aug/Sep/Oct	Scott	KJ6QIQ

Sonoma County Radio Amateurs Membership Meeting Minutes Date: 07 July 2021

The meeting was called to order by Fred AE6SF at 7:00 pm. A maximum of 39 Zoom connections was recognized during the first 15 minutes of the meeting. A quorum of members was present.

ATTENDANCE NOTES

Board Members Present: Fred AE6SF, Howard K6SID, Warren K6WRP, Mike AD6YB

Board Members Absent: John KE5RI, Peter KN6AWA

New Members & Guests: Eric WB6MVT was recognized as a guest.

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

July 13 – David KD6DWR, July 20 – Dan KK6VIQ,
July 27 – Charles KC6CTT, August 3 – Nicholas
K6NMB

APPROVAL OF MINUTES

The minutes for the June 2021 Membership Meeting as printed in the July issue of Short Skip were approved by a voice vote of the membership following a motion to approve by Kenn N4NTJ and a second by Rick WW6RC.

ANNOUNCEMENTS UPGRADES LIES AND BRAGS

Announcements, Lies, and Brags:

Fred AE6SF announced that there would be some significant topics discussed at the Board of Directors meeting on July 14, including reopening for live meetings. He said there would be more details in the next Weekly Blog.

HAMMY & KUDOS

Fred AE6SF gave kudos to David KD6DWR as the

first person to volunteer for net control prior to the membership meeting. Fred AE6SF gave kudos to two hams who donated complete HF stations to the club: James Carvalho AE6TQ and David Fain W9IQG.

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Dan KK6VIQ nominated for Hammy Dave KI6UGB for all the work he does maintaining the website and publishing the Short Skip newsletter and being patient in receiving input and working long hours for us.

ELECTION – SCRA DIRECTOR

David N5PSM has resigned as Director due to external time demands; creating an opening on the board that needs to be filled. Fred AE6SF presented the importance of directors attending the Board of Directors meetings on the second Wednesday of the month.

Kenn Clark N4NTJ was nominated prior to the meeting. Gabe Kearney KI6TFB nominated himself. After asking for further nominations, Fred AE6SF declared nominations closed. Kenn N4NTJ shared information about himself. Gabe Kearney KI6TFB shared information about himself.

Fred AE6SF explained that the vote will be conducted by Zoom Poll, voice vote, or call or text to Dan KK6VIQ. Fred AE6SF announced the preliminary result of Kenn N4NTJ elected as Director. The vote will be validated, and the final result announced at the Board of Directors meeting.

PROGRAM:

“Slow Scan TV in the 21st Century - The original Instagram” by Randy Hall AA6RH

Continued on page 11...

Minutes continued from page 10...

REPORTS

Treasurer: Warren K6WRP – no report

Community Outreach: Darryl KI6MSP – Aug 7 is COPE, CERT, ACS event in Cloverdale at citrus fair exposition.

DX Team: Fred AE6SF – Peter KN6AWA has an idea to do portable operations and change the DX team to portable ops. Several members expressed interest in this.

Em Comm: Nicholas K6NMB – echoed Darryl on Cloverdale, and also noted that the Sonoma County Fire District is presenting COPE Tuesday July 20, 6-7:30 PM, at a COPE event at Huerta Gym in Windsor, 9291 Redwood Hwy. The event will also stream live via the Town of Windsor's Facebook page.

Field Day: Brian N6IYY – received more logs but he is still missing a few and will send email reminders.

VE testing: Brian N6IYY – The next drive-up testing is July 17 at the County Office of Emergency Management, probably the last drive-up session. He wants to schedule an indoor session in Sept or Oct, maybe 9/11, and will avoid conflicts with Public Service events. Andrew KE6HID noted that the Valley of the Moon club (VOMARC) has sessions planned.

Growing Radio Amateurs: Bill AA6BD – Noted that he did not send an article to Short Skip this month. Last month, the topic was How to Make Your Own Repeater using a Raspberry Pi as Controller. Our next session on July 21 will discuss WSPR Weak Signal Propagation Reporter Net using Raspberry Pi.

Radio Loaner Program: Bill AA6BD – no report.

Membership: Dan KK6VIQ – The current club membership stands at 236. New members were recognized.

Merchandise: Dan KK6VIQ – Ordered badges will be distributed. Merchandise sales should resume with in

person meetings.

Public Service: Fred AE6SF – noted that five events are planned. Fred will take the listing to the board for approval. The events are: 8/28 - Fish Rock (bicycle event), 9/4 - Lake Sonoma 50 (mile footrace), 9/5 - Lake Sonoma 100K (footrace), 9/18 - Waves to Wine (bicycle event), 9/19 - Waves to Wine (bicycle event), 9/25 - Giro d'Wine Country (bicycle event). Fred needs comm boss volunteers for most events.

Refreshment committee: Fred AE6SF – The board will consider next week a five-month contract with LBA&GC and John WB6FRZ has volunteered to provide cookies for the August membership meeting. Fred needs someone to make coffee. Mike AD6YB will help. Fred will look for volunteers to do refreshments for the next 3 meetings.

Repeater: Bill AA6BD reported that the Yaesu System Fusion repeater has been received and checked out, and Fred AE6SF noted that the tower is not yet in place.

Short Skip: David KI6UGB – nothing to report

Website: David KI6UGB – will be adding other Public Service events to the website shortly. In response to a question, Bill AA6BD said the updated Membership Roster will be released after the BOD meeting as updates are expected.

OLD BUSINESS – none.

NEW BUSINESS

Darryl KI6MSP has a hot air balloon pilot friend and asked if there are members interested in joining a balloon flight to do HF radio from the flight. The cost is generally \$250 per person; Darryl will ask for a discounted rate. Interested members can contact Darryl via email.

ADJOURNMENT – The meeting adjourned by consensus at 9:15 PM.

Respectfully Submitted,

Bill Dornbush AA6BD, Acting Secretary
Peter Murphy KN6AWA, Secretary (edited)

SCRA BOARD OF DIRECTORS MEETING MINUTES

Date: 14 July 2021

The meeting was called to order by Fred Seitel AE6SF at 7:03 pm. A quorum was present.

Board Members Present: Fred Seitel AE6SF, Mike Von der Porten AD6YB, Peter Murphy KN6AWA, Warren Pierce K6WRP, Kenn Clark N4NTJ, Howard Sidorsky K6SID, John Felton KE5RI

Board Members Absent: none

Others Present: Darryl Paule KI6MSP, Dan Drummond KK6VIQ, Erin Casteel K6ERI, Andru Luvisi KJ6YFD, Iola Beckley KK6HRE, Andrew Raiké KE6HID, Brian Torr N6IYY, Dave Kraybill KI6UGB, and John Breckenridge WB6FRZ.

Director Election Validation: Dan KK6VIQ and Fred AE6SF described the voting process conducted at the 7 July Membership meeting and confirmed that Kenn Clark N4NTJ was duly elected to fill the open Director position.

Approval of previous meeting minutes: Peter KN6AWA moved that the minutes for the 9 June 2021 Board of Directors meeting as published in the July 2021 edition of Short Skip be approved. Kenn N4NTJ seconded the motion, and the motion was approved on a voice vote.

OFFICER AND DIRECTOR REPORTS

Treasurer report: Warren K6WRP reported on club finances.

COMMITTEE REPORTS

Community Outreach – Darryl KI6MSP - Many new members have joined the club since the final public service events of 2019 and the club is now involved with GMRS-ham interoperability. Darryl suggested that we invite GMRS licensees to participate in SCRA public service events. There was discussion about the terms of and extent of nonmember participation and concerns were raised about nonmember participation

and the club's liability insurance. Fred AE6SF agreed to consult with our insurance carrier. The matter was tabled pending additional information.

Membership – Dan KK6VIQ – reported that the current membership is 239.

Website – Dave KI6UGB – The public-service event signup sheet has been tested. Dave is hoping to upgrade the app soon.

Repeater – Erin K6ERI – Castle Rock radio equipment has power, and we are waiting to hear from Adam when he can erect the tower and install the antennas.

OLD BUSINESS – none

NEW BUSINESS

Authorize Return to Luther Burbank Art & Garden Center – Fred AE6SF. LBA&GC has offered SCRA a five-month contract for the period of August through December 2021 at a rate of \$125 per month (same per-meeting price as last year) plus \$30 for rekeying. There were related discussions about Covid requirements for participants and the future of hybrid meetings. Fred suggested that we post signs regarding vaccination and masking consistent with the current Covid guidance and proceed with in-person meetings. Mike AD6YB moved we authorize signing the contract with LBA&GC and the president be authorized to communicate and implement rules regarding Covid, as needed. Peter KN6AWA seconded the motion and it carried on a voice vote. In-person meetings will resume in August.

Offsite Holiday Party – Iola KK6HRE proposed an offsite holiday party to let a restaurant do the work and described an example of \$40 per person at the Villa. Several restaurant alternatives and the option of catering were discussed. Concerns were raised that the increased cost would reduce attendance. There was a preference for staying at LBA&GC and members offered to help organize and implement the event to reduce the workload that has fallen to Iola in previous years. There was a consensus to return to LBA&GC for the holiday party.

Continued on page 13...

BoD Minutes continued from page 12...

Hybrid Zoom Meeting Implementation – Fred AE6SF asked for a report on internet testing at LBA&GC. Brian N6IYY reported that planned testing at the site had not been completed pending identification of additional remote participants to help test the connection. Testing will be performed. Fred recognized that hybrid meetings might take several months to get working correctly.

Authorize Zoom Renewal – Fred AE6SF noted that our current Zoom contract ends in August and suggested the club authorize for next year for the membership. Kenn N4NTJ moved that the club renew our subscription for another year and Howard K6SID seconded. The motion carried on a voice vote.

Authorize Support for 2021 Public Service Events – Fred AE6SF listed the 6 events whose organizers have requested our support and asked the board to authorize club participation. Mike AD6YB moved that the club add them to our Public Service event list. Kenn N4NTJ seconded the motion and it carried on a voice vote. The authorized events were as follows: 8/28 - Fish Rock (bicycle event, Fred AE6SF comm boss), 9/4 - Lake Sonoma 50 (mile footrace, Darryl Ki6MSP comm boss, John WB6FRZ shadow), 9/5 - Lake Sonoma 100K (footrace, Darryl Ki6MSP comm boss), 9/18 and 9/19 - Waves to Wine (bicycle event, Kenn N4NTJ comm boss), 9/25 - Giro d'Wine Country (bicycle event, TBD comm boss).

Public Service Events Insurance – Fred AE6SF informed the board that he is asking event sponsors to name SCRA as an additional insured on insurance policies, and the club will reciprocate and name them on our policies.

Portable Ops Committee Proposal – Peter KN6AWA is interested in encouraging routine portable operations within the club and suggested the formation of a committee. It was proposed that the Mini DX committee be rebranded the Portable Ops committee. Peter KN6AWA was asked to chair the new committee and he accepted – asking for help from other interested members. Mike AD6YB moved we change the Mini DX committee to the Portable Operations committee.

Howard K6SID seconded and the motion carried on a voice vote.

Equipment Committee Proposal – Bill AA6BD presented his proposal to improve and restructure the current Loaner Program. The new Equipment Committee (described in a previously submitted document) will recognize how club equipment is acquired, loaned, and disposed of. Kenn N4NTJ moved that the proposal be approved as presented with a name change from disposal to disposition. Mike AD6YB seconded the motion and it carried on a voice vote.

Satellite presentation and Request for Advertisement in Short Skip – Howard K6SID identified a speaker to make a remote presentation to the club on the topic of satellites and who asked for his business card to be shown in Short Skip. The board approved the request for 2 months with a notation such as “SCRA’s August program is provided by...” Dan suggested we send some of our swag to the presenter. Fred AE6SF asked Dan KK6VIQ to explore options with Halls, possible a single coffee mug.

Auction Night – Fred AE6SF suggested the club have an auction night for member equipment at a club meeting. Howard K6SID suggested the October meeting for the event. Andru suggested show-and-tell also be programmed including homebrew and boat anchor equipment. Iola suggested show-and-tell be separate night from auction perhaps in November. Howard K6SID agreed to program this.

Antenna Donation Offer – Fred AE6SF noted that Bill Hillendahl KH6GJV purchased a Telewave antenna and offered to donate it to SCRA. Erin K6ERI said the repeater committee will have a future use for the antenna and agreed to store it.

Hybrid Meetings and SCRA Bylaws. Mike AD6YB noted that the Bylaws need to be updated to accommodate hybrid meetings. Iola KK6HRE suggested a few other updates might also helpful. Mike and Iola will discuss specific changes.

The meeting adjourned by consensus at 8:52 pm.
Respectfully Submitted,
Peter Murphy, Secretary

SCRA Membership QST

The SCRA membership stands at 243.



Welcome new and returning members:

- Brent Greenwood AK6AX (E) Santa Rosa
- Cliff Oehlman KN6PRU (T) Sebastopol
- Damian Bouné KN6PPF (T) Cazadero
- James Knapp W6HNA (A) Santa Rosa
- Joe Castagnola KN6JSA (E) Petaluma
- Luis Membriola KN6KAG (G) Petaluma
- Paul Randall Associate Sebastopol
- Susan Williamson KN6JRX (T) Sebastopol



New call signs:

- Andy Hilldale KN6PRT



License Class Upgrades:

- Dan Reynolds KN6NXE – General
- Tony Goodwin KN6KIC – General

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!

Membership Count by License Class	
License Class	Count
Advanced	4
Amateur Extra	70
General	63
Technician	93

We have **13** Associate members.

140 SCRA members are ARRL members.

SCRA 2-Meter Service Net Update

Weekly nets are a perfect time to test and practice with your radios. Every Tuesday at 7 pm on the SCRA repeater, frequency 147.315 positive offset PL 88.5, the 2-Meter SCRA Service Net takes to the air waves. By participating on the SCRA 2-Meter net, you'll begin to learn the names, call signs and voices of the hams who will not only relay your call for help in an emergency, but also answer any questions you have about amateur radio, or just "chew the rag." When you check-in on the net, you also give all hams listening a chance to get to learn your call sign and recognize your voice.

This year, SCRA Net Control Operators have been given a new option for taking net check-ins. To make it easier to take check-ins and to avoid doubling with another hams, a scripted check-in list of the hams who have checked in twice during the previous four nets, sorted by call sign suffix, can be used in a roll call fashion. Once net control has completed going through the net check-in list, impromptu check-ins will be taken from members and guests. After you've made two impromptu check-ins within the period of the last four nets, you'll be added to the check-in list. To stay on the check-in list, you must not miss three consecutive nets.

And now you can review your check-in list status to be sure your name and call sign will not be dropped from the list. A cloud folder has been created which contains an Excel workbook of net check-in history and all the check-in lists used so far this year. A couple of days before the Tuesday night net, the next check-in list should be available so you can check to see if your name and call sign are on the list. If you don't see your name and call sign, you can use the net check-in history to look at the last time you were heard checking in on the net.

To access the cloud folder to review your status, follow the link <https://tinyurl.com/SCRA-NET>.

73 ~ Dan KK6VIQ

Field Day 2021 Recap

We had hoped that for Field Day 2021 we would return to doing a traditional Field Day as a large group set up in public location. That did not work out this year, but we were ever so close! But we still put in a good show of doing a distributed Field Day.

Perhaps more importantly, we gave several of our newer members an opportunity to get a taste of what Field Day is all about and entice them to join us for a traditional Field Day in 2022.

I received logs from 15 SCRA members. The results show a wide range of operating modes. Unlike 2020, there was no one that worked only 2m FM. Some only worked CW, some only worked digital modes, some only worked phone. Several operated two modes. Here are the totals by mode and number of operators using that mode:

Mode	QSOs	# of Operators
CW	502	4
Phone (includes 2m FM)	751	13
Digital	306	5
2m FM	31	6

Our total number of QSO points was 2367, a significant increase from 2,010 for Field Day 2020.

I was pleased to see the majority number of operators entering as class 1E. We only had four entries as 1D and one for 1B.

We decided to give out seven awards:

Most CW Contacts – Leland, W6GEE, with a total of 252 (honorable mention to John, WB6FRZ with 202)

Most Phone Contacts (all bands) – Mark, W6GOL, with a total of 347

Most Digital Contacts – Jim, KM6GUO, with a total of 101 (honorable mention to Howard, K6SID with 92)

Most 2m FM Contacts – Mark, W6GOL, with a total of 16

Iron Pants (aka Butt-In-Chair or BIC) – Mark, W6GOL, with a total of 14:14 hours (honorable mention to Leland, W6GEE with 13:12)

Most QSOs/Hr in a Sprint (total operating time < 3 hour) – Tom, K6TJP, with 11.9 QSOs/Hr

Most QSOs/Hr in a Marathon (over entire FD period) – Fred, KQ6OB with 29.9 QSOs/Hr

Congratulations to all the winners! They will each be receiving a certificate and a commemorative Field Day 2021 pin.

I think we are all just a little better for having tried these new things.

As was the case last year, many missed the camaraderie of our traditional Field Day event, and I could not agree more. The social aspects of Field Day should not be overlooked; it is a large part of what makes a club viable.

We have now had two distributed Field Days.

Although it is encouraging to know that if forced to do so, we can do a distributed Field Day, I do not believe it should be the “new normal”. I am confident that we will be able to return to a traditional Field Day for 2022.

I received logs from the following:

Bill, AA6BD; Fred, AE6SF; Howard, K6SID; Tom, K6TJP; Dave, KI6UGB; Jim, KM6GUO; Nick, N1CKA; Brian, N6IIY; Leland, W6GEE; Mark, K6GOL; John, WB6FRZ; and Rick, WW6RC; Fred, KQ6OB; Dave, W6IBC.

Lastly, I want to thank all those that helped make this happen, especially Fred, AE6SF for his work on documenting how to set up the computer logging and organizing the Elmer / Guest Operator sign-ups. Also, the Elmers that allowed the guests into their shacks:

John, WB6FRZ

Howard, K6SID

Bob, K3FUL

Nick, N1CKA & Erin, K6ERI

73,

Brian Torr, N6IIY

SCRA Field Day Chairman

SCRA Equipment Loaner Program



SCRA has a variety of radios and other equipment available to members to try out and improve their skills.

- Trying these out is an excellent way to learn and test before you buy.
- Did you just learn Morse Code and want to check out a different keyer or key?
- Have you been thinking about digital voice?

- If you have a radio malfunction, borrow a radio to keep you on the air until you can get your radio repaired.

- Borrow something like an antenna tuner, that you wouldn't normally buy but could benefit from a short term loan.

- After reviewing equipment capabilities online, contact Bill AA6BD at loaner@sonomacountyradioamateurs.com with your request. Bill will send an information form to you by return email.

Please consider borrowing something from the Loaner Program to explore something you haven't tried yet. We can usually provide a loaner for at least a month.

We have the following items available in our program. Check with Bill AA6BD at loaner@sonomacountyradioamateurs.com to find out what is available now.

- Elecraft KX3
- Yaesu FT-991
- Kenwood TS-590SG
- Kenwood TS-440S
- Kenwood TS-430S
- MFJ 40M CW transceiver

- Yaesu FT-2900R
 - Yaesu FT-60R
 - Yaesu FT-1DR
 - Yaesu FT-2DR
 - Anytone AT D868UV
 - Astron RS 35 M power supply
 - Straight and paddle keys and keyers
 - Tigertronics Signalink USB interface
 - Yaesu SCU-17 USB interface
 - MFJ 269C antenna analyzer
 - MFJ antenna tuner 80-10 meter bands
 - MFJ-1622 Window mount antenna
 - Several wire antennas
- Bill AA6BD

Growing Radio Amateurs

Growing Radio Amateurs in July reviewed using a Raspberry Pi for WSPR (Weak Signal Propagation Report) transmitting. Our test station using 200 milliwatts was heard on 40 Meters as far away as Australia and Alaska.

We will take August off and will resume in September to discuss using an SDR, or Software Defined Receiver, as a Panoramic adapter for a radio, and plan to discuss using an SDR to decode SSTV, or Slow Scan Television, using a Raspberry Pi.

Thanks to Randy AA6RH for his presentation at the last club meeting on SSTV. For those interested in SSTV, there is a broadcast from the ISS planned for August 6-7.

--Bill AA6BD

We meet on the third Wednesdays at 7 PM. If you would like to join us, contact Bill Dornbush at AA6BD@arrl.net

SCRA Portable Operations Committee

By Peter KN6AWA, Committee Chair

The Portable Operations Committee will have a Committee Chair and, as deemed appropriate, committee members.

The goal of the Portable Operations Program is to encourage experimentation with all-band/all-mode portable operations under non-emergency conditions including the integration of radio operations into outdoor leisure activities.

The SCRA Portable Operations program will encourage club members to:

1. Integrate radio operations into outdoor activities within the limits of each member's own abilities including participation as activators and chasers in organized portable programs like Summits on the Air (SOTA) and Parks on the Air (POTA).
2. Develop the radio skills and experience needed to confidently participate in public service events and emergency communications activities.
3. Experiment with portable antennas and power sources.
4. Routinely participate in portable simplex operations
5. Consider the requirements of portable operations in the selection and purchase of personal radio equipment.
6. Share their portable radio experience with other club members and encourage Elmers.
7. Identify content for a Portable Operations resources page on the SCRA website.

When sufficient interest is demonstrated by participating club members, events may be organized including group activations of summits and parks and multi-day minmini-DX expeditions.

“Slow Scan TV in the 21st Century”

by Randy AA6RH

The original Instagram

References that Randy presented:

- <https://www.amateur-radio-wiki.net/sstv-frequencies>
- <https://ariss-sstv.blogspot.com>
- https://www.spaceflightsoftware.com/ARISS_SSTV/
- Software:
 - o MMSSTV (Windows), <https://hamsoft.ca/pages/mmsstv.php> and <https://hamsoft.ca/pages/mmsstv-yoniq.php>
 - o QSSTV (Linux), <http://users.telenet.be/on4qz/qsstv/manual/index.html>
 - o Android Robot36 (receive) and SSTV Encoder (transmit) apps
 - o Apple IOS SSTV Slow Scan TV app
- <https://sstv-handbook.com>
- https://www.nasa.gov/multimedia/hd/apollo11_hdpage.html
- <http://www.arrl.org/files/file/Technology/tis/info/pdf/99753.pdf>
- <https://hamsoft.ca>



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 under the tab, Our Club. 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.

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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

