



CLUB STATION
K6SON

Short Skip

The Newsletter of

Sonoma County Radio Amateurs, Inc.

P.O. Box 116, Santa Rosa, CA 95402-0116 707-538-2931

<http://www.sonomacountyradioamateurs.com>

Repeaters:

English Hill: 147.315+ 88.5 / 224.480- 88.5 /
441.375+ 88.5



REPEATER STATION
W6SON

Volume 43, Number 9

September 2018

Boat Anchors From the Beginning

From wikipedia.org - In amateur radio, a boat anchor or boatanchor is an old piece of radio equipment. It is usually used in reference to large, heavy radio equipment of earlier decades that used tubes.

An early use of the term appeared in a 1956 issue of CQ Amateur Radio Magazine. The magazine published a letter from a reader seeking "schematics or conversion data" for a war surplus Wireless Set No. 19 MK II transceiver in order to modify it for use on the amateur bands. The editor added this reply:



“

"The only conversion we seem to have on the files here at CQ calls for 100 feet of 1 inch Manila line, one end of which is to be tied securely around the MK II Transceiver. This then converts the unit into a fine anchor for a small boat. If any readers have better conversions we will be glad to hear about them. — Ed."

”

— CQ: The Radio Amateurs' Journal, October 1956

The editor's use of the term generated some reader interest, and in [February 1957, CQ published a follow-up story](#) that included photos.

[Continued on page 2...](#)



By Autopilot - Own work, CC BY-SA 4.0, <https://commons.wikimedia.org/wiki/index.php%3Fcurid%3D39679782php%3Fcurid%3D39679782>

...*Boat Anchors continued from page 1*

Much of the referenced follow-up is included in this article, "[Restoration of BoatAnchor radio equipment](#)", archived from Technical Articles and Papers. Historical Radio Society of Australia, South Australian Group.

The paper expands on the possible origins of the term as follows:

ORIGINS OF THE TERM BOATANCHOR THREE VERSIONS

--

Opinions From The Internet.

Version I

During World War II, Military Radio Techs used the term BoatAnchor as they struggled with the huge, heavy, electronic equipments of the day full of transformers, tubes etc. Also the US Navy frequently marked electronic gear with an anchor. After the war tons of the equipment appeared on the surplus market and was dubbed BoatAnchors due to the reasons above one or both.

Version II

After WWII a national magazine editor answered a query "As what to do with an outdated heavy, large, surplus electronic instrument?" and answered "Tie a line to it and use it as a BoatAnchor".

Version III

To all those who expressed interest in the CQ magazine reference to boatanchors, I found it after only an hour or two of skimming. And I also found that some of my recollections were a bit hazy after all those years. The original letter to the editor (not to the "Surplus Editor" as I incorrectly recalled) appeared on page 16 of the October 1956 issue of CQ and was as follows: Gentlemen: I recently acquired a "Signal Corps Wireless Set. No. 19 MK II Transceiver." Are there schematics or conversion data for this rig? Any info will be appreciated.

David J. Wilke W3LSG Pottstown, Pennsylvania
The editor replied: The only conversion we seem to have on the files here at CQ calls for 100 feet of 1" Manila line, one end of which is to be tied securely

around the MK II Transceiver.

This then converts the unit into a fine anchor for a small boat. If any readers have better conversions we will be glad to hear about them. Ed

If you have a Boat Anchor that you are interested in restoring there are some good techniques and interesting photos in the article. And by all means visit Jim's Antique Radio Museum at <https://www.antiqueradio-museum.org/boatanchorradios.htm>

73,

Dave KI6UGB



SEPTEMBER PROGRAM

BOAT ANCHOR & HOME BREW

Show and Tell, Sell.

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>

2018 Club Officers

President	John Felton	KE5RI
Vice President	Joe Fortuna	K6AWA
Secretary	Steve Bouchard	KK6VMZ
Treasurer	Aaron Marroquin	KK6ZDB
Director	Fred Seitel	AE6SF
	Jeff Tonelli	KI6PBF
Past President	Iola Beckley	KK6HRE

Committee Lineup/Contacts

Activities		
Programs	Jeff Tonelli, KI6PBF	jeff.tonelli@gmx.com
Community Outreach	Darryl Paule, KI6MSP	ki6msp@arrl.net
DX/Contesting	Doug Payne, KF6LMB	dougpayne1@earthlink.net
Education	Cornell Chesnik, W6HMN	w6hmn@sonic.net
Emergency Services Liason	Pat Coyle, KG6JSL	coylaw@sonic.net
Field Day	Brian Torr, N6IYY	n6iyy@arrl.net
License Trustee	John Felton, KE5RI	jrfke5ri@aol.com
Website Manager	David Kraybill, KI6UGB	shortskipeditor@gmail.com
Membership	Karen Stutz-Miller, K6KSM	scramembers@gmail.com
Merchandise	Dan Drummond, KK6VIQ	danjdrummond@hotmail.com
Public Service Coordinator	Iola Beckley, KK6HRE	iolabeckley104@gmail.com
Refreshments	Trudie Folsom, KM6DYD	trufolsom@gmail.com
Repeater	Jack Christensen, K6ROW	K6ROW@sonic.net
Roster Editor	Bill Dornbush, KM6BYD	bill@dornbush.net
Volunteer Examiners	Brian Torr, N6IYY	n6iyy@arrl.net
Weekly Email Blog	Pat Coyle, KG6JSL	coylaw@sonic.net

Short Skip & Web Staff

Short Skip Editor	David Kraybill, KI6UGB	shortskipeditor@gmail.com
Website Manager	David Kraybill, KI6UGB	shortskipeditor@gmail.com
Web Staff	David Pearson, K6DBP	grecojava@gmail.com

SCRA E-Mail	K6SON@arrl.com
SCRA Web site	http://www.sonomacountyradioamateurs.com

Short Skip Advertising Rates

Business Cards	\$12 per month
1st Quarter Column	\$13 per month
Each Additional Quarter Column	\$4 per month
Full page (one side)	\$35 per month
Pre-printed inserts (each)	\$35 per month

Short Skip is published monthly and copyright 2015 by the Sonoma County Radio Amateurs, Inc. Permission to reprint articles is granted provided the source is properly credited. Items printed do not necessarily represent the views of the SCRA or its editors. Letters, photos and articles sent to Short Skip are subject to editing and may or may not be printed.



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 New 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 - (Suspended for the summer) runs from 8:45pm to 9:30pm. Tune your radio frequency to 1.900 Mhz. LSB. 160 meters requires a General or above license to transmit.



Weekly SBARA Youth Net New Day and Time!

- For young people 18 and under
- Licensed youth or youth with a licensed control operator are welcome to check-in
- Check-in via EchoLink, if you are outside of the area
- Adults can check-in towards the end of the Net to answer questions and mentor the youth.

Please join our new, 13-year-old net control operator, Truman Lindsey, KM6AQS, and help us grow this important Net for young hams!

- SBARA Youth Net
- Every Tuesday evening, 6:30pm (1830), PACIFIC
- N6NFI repeater, Palo Alto, CA (145.230 MHz, -600 kHz, PL 100 Hz.)
- EchoLink Station: KR6DD-R

Steve Wilson KG6HJU
South Bay Amateur Radio Association
Fremont, CA
kg6hju@arrl.net

2018 SCHEDULE OF EVENTS

Check the [Club website](#) for details

F/S/S 9/7-9/9 Technician Class	Education
Sat 9/15 VE Testing	Education
Sat 9/22 Waves to Wine	Bicycle
Sat 9/22 PCAM (Wings over Wine Country)	Public Info
Sun 9/23 Waves to Wine	Bicycle
Sun 9/23 PCAM (Wings over Wine Country)	Public Info
Sat 10/6 Levi's GranFondo	Bicycle
Sat 10/20 JOTA (Jamboree On The Air) On the Air	
Sat 10/27 Bay Area Science Festival	Outreach
Sat 11/17 VE Testing	Education



Membership Map -New website feature
Click to try it.

Membership Map

[Click here for an interactive online map of SCRA members.](#)



The New Improved Nevada QSO Party in October!

The [Sierra Nevada Amateur Radio Society](#) is proud to present the Nevada QSO Party which will be an annual event on the second full weekend in October. This year it will start at 2000 hours Nevada time (PDST) on Friday, October 12 (0300z 10/13/2018) and run until 1400 on Sunday, October 14 (2100z 10/14/2017)

The objective of this contest is to activate and work all 17 of the counties in Nevada. Nevada stations will work anyone, anywhere, and out of state stations will work Nevada Stations. All stations may be worked on the three different modes for up to three times on each HF band and only once on the VHF+ frequencies. Rovers in Nevada can be worked again when they change counties.

The state of Nevada is one of the rarest U.S. States on the air. Be sure to work Nevada in the upcoming Nevada QSO Party; it will be helpful you when going for ARRL WAS (Worked All States award) and other awards like grid zones and counties.

The VHF+ band will consist of all legal frequencies from 50 MHz up to 1300 MHz. In order to bring a lot of new hams into contesting, we are allowing the use of repeaters on these frequencies. There are linked systems which will allow out of state contacts. All modes will be allowed with the exception of the WSJT modes.

On the HF side, Phone, CW, and Digital modes will add multipliers to the QSO points. All conversational digital text modes are allowed with all counting the same. Currently, the WSJT modes do not have a contest exchange message that is handled as a valid regular message, so those modes are not allowed. (This may be changed if this is added to the WSJT program in the future)

Logging software from N1MM will have the ability to work on this contest. For those that are using paper and pencil or some other logging method that does not produce a Cabrillo file, we also have the WA7BNM Cabrillo log maker which will allow you to build a

Continued on page 6...

...Nevada QSO Party continued from page 5

Cabrillo file. All entries over 10 contacts must submit an electronic Cabrillo log.

We also have a sign-up form to allow stations to sign up for the counties which they will activate and what modes they will be using. We are going to try and get operators out in all counties and have all modes covered. Please use this form if you are going to be operating in Nevada.

The Nevada QSO Party website is <http://nvqso.com/>. Complete rules are listed under the "Rules" tab and please read the FAQs for additional information. Information is subject to change on the website so be sure to check back regularly. Please visit this site often and pass the word onto your friends!

We are looking forward to your participation in this contest!

For further information on this news release, contact Jim Shepherd at W6US@SNARS.ORG



CONTEST CORNER

Hi there, NQ6E here with September's version of Contest Corner. Are you ready to do some running? Well if October is traditionally considered the beginning of "contest season" September is definitely one to get you ready. Peruse the contest calendars and

get on the air and practice with a few QSOs.

Contest Corner would like to give a shout out to K6AWA, W6GEE, KK6ZDB, and KK6OVH for checking out last month's North American QSO Party, SSB. The four gathered together at the QTH of K6AWA and with three operators taking turns, contested leisurely for around 6 hours. They ran barefoot (no amp) and managed to work a number of other individual stations throughout North America. It was a first SSB contest for all and their feelings afterward were favorable. They had fun, learned a lot, and definitely plan on doing it again.

Are you familiar with Q codes? For contesting it helps to learn as many as you can and use the most common ones frequently. Cuts down on the chatter and keeps the Q rate going. So if a QSO is a contact what about QSL, QRM, QRN, QSB, and so forth? Sort of the good, the bad, and the ugly if you really want to know. Each three letter code has its' own specific meaning. The first one, QSL, is what we all like to here. You have been acknowledged by the other operator. All hams QRM others at some point. You are causing interference; the ugly mixed with the bad. Strive not to cause QRM when you operate. You run into operator interference frequently while contesting, both unintentional and intentional. QRN is generally static caused by the atmosphere while QSB is a signal fading. These last two can be bad or ugly depending on your mood at the time. There are other Q symbols used in contesting and can be found through an ARRL website search or other internet search engine. You can always ask another ham.

FYI: I will be traveling for the next three months and will be QRT as far as Contest Corner is concerned.

Come January 2019 I'll be QRV; QSL?

As always listen first, get everything right before transmitting, then listen again; the mark of a good operator.

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

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

72/73, NQ6E

For additional contest calendars and resources check:

[SM3CER Contest Service](#)

[ARRL Contests Page](#)

[Contesting.com](#)

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

Contest Corral

September 2018

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

Start - Finish Date-Time	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 0000	1 2359	1.8-28	CWOp CW Open	CW	Serial, name	www.cwops.org
1 0000	1 2359	3.5-28	Russian RTTY WW Contest	Dig	RST, 2-letter oblast or CQ zone	www.qrz.ru/contest/detail/93
1 0000	2 2359	3.5-28	All Asian DX Contest, Phone	Ph	RS, 2-digit age	www.jarl.org/English
1 0600	1 0800	7, 14	Wake-Up! QRP Sprint	CW	RST, serial, suffix of previous QSO	qrz.ru/contest
1 1300	1 1600	7	AGCW Straight Key Party	CW	RST, serial, class, name, age	www.agcw.org
1 1300	2 0400	1.8-UHF	Colorado QSO Party	CW Ph Dig	Name, county or SPC	ppraa.org/coqp
1 1300	2 1259	1.8-28	IARU Region 1 Field Day, SSB	Ph	RT, serial	www.darc.de
1 1300	2 1300	3.5-28	RSGB SSB Field Day	Ph	RS, serial	www.rsgbcc.org/hf
1 1500	2 0300	1.8-28	Alabama QSO Party	CW Ph	RS(T), county or SPC	www.alabamqso.org
1 2000	2 2000	3.5	PODXS 070 Club Jay Hudak Memorial 80-Meter Sprint	Dig	RST, SPC	www.podxs070.com
2 1000	2 1400	144	WAB 144 MHz QRO Phone	Ph	RS, serial, WAB square or country	wab.intermip.net
2 1800	3 0300	1.8-UHF	Tennessee QSO Party	CW Ph Dig	RS(T), county or SPC	tnqp.org/rules
3 2300	4 0300	1.8-50	MI QRP Labor Day CW Sprint	CW	RST, SPC, mbr or power	www.miqrp.net/contest
4 0100	4 0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
6 1700	6 2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	www.nrau.net
6 1900	6 2100	1.8-28	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
8 0000	8 2359	14	Kulikovo Polye Contest	CW	RST, "KP" or serial	www.tularadio.ru/?pg=content/kpc-rule-en
8 0000	9 2359	3.5-28	WAE DX Contest, SSB	Ph	RS, serial	www.darc.de
8 1000	9 1000	1.8-28	SARL Field Day Contest	CW Ph Dig	RS(T), # of xmtrs, category, province	www.sarl.org.za
8 1200	9 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
8 1400	8 2200	3.5-28	Ohio State Parks on the Air	Ph	Park abbreviation or SPC	www.ospota.org
8 1500	9 0959	3.5-28	Russian Cup Digital Contest	Dig	Serial, 4-char grid square	qrz.ru/contest/detail/86.html
8 1800	10 0300	50 and up	ARRL September VHF Contest	CW Ph Dig	4-char grid square	www.arrl.org/september-vhf
9 0000	9 0400	3.5-14	North American Sprint, CW	CW	Other's call, your call, serial, name, SPC	ncjweb.com
10 0000	10 0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
10 1900	10 2030	3.5	RSGB 80-Meter Autumn Series, SSB	Ph	Other's call, your call, serial, name	www.rsgbcc.org/hf
15 0000	16 2359	All (no WARC)	Collegiate QSO Party	CW Ph Dig	Call, Coll/Univ Name (or None), Class	www.gatorradio.org/collegiate.html
15 0600	16 2359	10 GHz to light	ARRL 10 GHz and Up Contest	CW Ph Dig	6-char Maidenhead locator	www.arrl.org/10-ghz-up
15 1000	16 1000	50-1296	SARL VHF/UHF Digital Contest	Dig	RST, 6-char grid locator	www.sarl.org.za
15 1200	16 1200	3.5-28	Scandinavian Activity Contest, CW	CW	RST, serial	www.sactest.net/blog/rules
15 1200	16 1200	1.8-28	All Africa International DX Contest	CW Ph Dig	RS(T), serial	www.sarl.org.za
15 1400	16 0200	All (no WARC)	Iowa QSO Party	CW Ph Dig	RS(T), county or SPC	www.w0yl.com/AQP
15 1600	15 2200	1.8-28	QRP Afield	CW Ph Dig	RS(T), SPC, mbr or power	www.newenglandqrp.org
15 1600	15 2300	3.5-144	Wisconsin Parks on the Air	Ph	Park abbreviation or SPC	www.wipota.com
15 1600	16 2000	3.5-28	New Jersey QSO Party	CW Ph	RS(T), county or SPC	www.k2td-bcrrc.org/njqp
15 1600	16 2200	All (no WARC)	New Hampshire QSO Party	CW Dig Ph	RS(T), county or SPC	www.w1wqm.org/nhqso
15 1600	16 2359	1.8-144	Washington State Salmon Run	CW Ph Dig	RS(T), county or SPC	www.wwdxc.org/salmonrun
15 1800	15 1959	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
16 0000	16 0400	3.5-14	North American Sprint, RTTY	Dig	Other's call, your call, serial, name, SPC	ncjweb.com
16 1700	16 2059	3.5-28	BARTG Sprint 75	Dig	Serial	bartg.org.uk
17 0100	17 0300	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
17 1900	17 2300	144	144 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
19 1900	19 2030	3.5	RSGB 80-Meter Autumn Series, CW	CW	Other's call, your call, serial, name	www.rsgbcc.org/hf
20 0030	20 0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
21 2100	21 2359	3.5	AGB NEMIGA Contest	CW Ph Dig	RST, serial, mbr (if any)	www.ev5agb.com
22 0000	22 2359	1.8-VHF	FOC QSO Party	CW	RST, name, mbr (if any)	g4foc.org/qsoparty
22 1200	23 1200	3.5-28	UK/EI DX Contest, SSB	Ph	RS, serial, district (if any), serial	www.ukeicc.com
22 1200	23 1200	1.8-28	Maine QSO Party	CW Ph	RS(T), county or SPC	www.ws1sm.com
22 1400	22 1800	144, 432	AGCW VHF/UHF Contest	CW	RST, serial, class, 6-char grid	www.agcw.org
23 1300	26 0800	1.8-144	Classic Exchange, CW	CW	Name, RST, SPC, rig manufacturer	www.classicexchange.org
25 1900	25 2300	222	220 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
26 0000	26 0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
27 1900	27 2030	3.5	RSGB 80-Meter Autumn Series, Data	Dig	Other's call, your call, serial, name	www.rsgbcc.org/hf
29 0000	29 2359	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
29 0000	30 2359	2.3 GHz and up	ARRL EME Contest	CW Ph Dig	Signal report	www.arrl.org/eme-contest
29 0000	30 2359	3.5-28	CQ Worldwide DX Contest, RTTY	Dig	RST, CQ Zone, SP (if WVE)	www.cqwwrtty.com
29 1400	30 2000	All (no WARC)	Texas QSO Party	CW Ph Dig	RS(T), county or SPC	www.txqp.net
30 1300	3 0800	1.8-144	Classic Exchange, Phone	Ph	Name, RS, SPC, rig manufacturer	www.classicexchange.org

All dates refer to UTC and may be different from calendar dates in North America. No contest activity occurs on the 60-, 30-, 17-, and 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 Membership Report

- The current SCRA membership stands at 190 members.
- Since our August meeting, we have welcomed three new members.
 - Barbara Schrock KM6URJ (T) (apologies to Barbara, she joined in July!)
 - Linus Lancaster Assoc (Good luck on your test)
 - Paula Molnar KM6UVN (T)
 - George Vasila Assoc (Good luck on your test)
- Recognized one call sign updates.
 - Michael Perkins AK6MP (E)
- If you have recently achieved a new license class, obtained a new call sign, or changed your address, email, phone, or need a name change please email membership@sonomacountyradioamateurs.com with your update.



SCRA Merchandise Report

- A big thanks to the SCRA members in attendance at the August 1st meeting for their support in approving the ANSI/ISEA 107 Class 2 upgraded SCRA Personalized Safety Vests. In addition to your call sign, first name and the club logo on the back, the new vests have pen



& tool pockets and a secure zipper closure. Members may order the upgraded SCRA Personalized Safety Vest (\$30) at the merchandise table at meetings and soon through the SCRA website.

- There are only eight SCRA Logo Caps (\$10) left in stock.
- The Field Day Special \$5 T-shirts clearance continues through the summer.



**Sonoma County Radio Amateurs
Membership Meeting
August 4, 2018**

Call to Order: 7:07PM

Present: John ke5ri, Joe k6awa, lola kk6hre, Jeff ki6pbf, Steve kk6vmz, Fred ae6sf.

Quorum met.

Introduce New Members/Guests: Barbara km6urj and Paula km6uvn. Guest Theresa Williamson.

Announcements: ARRL Rep Bill Hillendahl explanation about ARRL and "Official Observer" position.

Net Control:

Aug. 7 Joe k6awa
Aug. 14 Darryl ki6msp
Aug. 21 Brian n6iiy
Aug. 28 Dave w6ibc
September 4 lola kk6hre

Treasurer's Report: Balances are good and Budget Items on track.

Charlie kz6t presented the club's new backpack with Yaesu radio, 150 watt transmitter and 30 amp power supply and 30 amp power supply and MFJ 991 Auto Tuner

PROGRAM: Stump the Chump: Joe, Dave, Brian.
10 MINUTE BREAK

Accept Meeting Notes: Passed.

Activities Report: Jeff, nothing to report.

Merchandise: Dan kk6viq, Intro of new Safety Vests. Dan requested \$ 647.41 to purchase new safety vests, overwhelmingly approved.

Doug kf6lmb reminder that the mini DX cost for campsites will be \$ 25.00 per night.

Community Outreach: Darryl reminded members of fair recruitment activity, good NewsLine coverage of our club. Fred reminded of Tour de Fox and recruitment request.

Education: Cornell w6hmn, absent.

Field Day: Brian thanks all participants for Field Day and reminded club of Winter Field Day.

Merchandise: Nothing further.

Repeater Committee: All currently working well. lola reminds club of repeater use by Marin club for bike event. Already approved.

VE Testing: September at Bennett Valley Hall.

Public Service: lola advises that there are many sign ups available with encouragement by John and Joe.

John reports donation to SRCA of \$ 500.00 by Santa Rosa Bike Club was received but will be returned due to donating the amount back to them to cover costs suffered by fire.

Old Business: Nothing to report as "old business". Though, Fred suggested we put notice of repeater usage to others on the club's website. Joe suggested we include in same, "President" or "Trustee" as contact person John pointed out the club's President won't always be Trustee holder by one person.

Darryl reports a non-club event of Space Festival on Aug. 8, Sunday where 8 astronauts will be present.

Joe reports that the SS Red Oak Victory has an "old time HF radio room." Can be viewed and very much worth seeing.

Adjournment: Kathy k6kdw and unanimous. Respectfully Submitted,
Steve Bouchard kk6vmz.



Sonoma County Radio Amateurs, Inc. Board of Directors Meeting

August 8, 2018

Call to Order: 6 P.M.

Board Members Present: lola kk6hre, Joe k6awa, Fred ae6sf, Jeff ki6pbf, Aaron kk6zdb, Steve kk6vma.

Absent: John ke5ri; Acting as President, Joe, Vice President k6awa.

Also Present: Doug kf6lmb, Cornell w6hmn, Mike ad6yb, Brian n6iyy, Charlie kz6t, Darryl ki6msp, Dan kk6viq.

Approval of Minutes: 1st lola, 2. Fred. Unanimously passed.

Officer and Director Reports:

Aaron, hand out, budget as projected.

Charlie, Repeater Committee WinLink is operational. Club maintenance of same.

Dan, thanks for vest approval to entire club, Ready to take orders, recoup 80% thus far.

Cornell, 9 people invested in studying and books are selling well. VE testing 8 and 9th of September at Bennett Valley.

lola for Karen, 188 members.

Committee Reports and Business:

Darryl, Good attendance at Sonoma County fair. A lot of public interest. Air Show and Waves to Wine conflicts on calendar. Waves to Wine a club event. Air Show is non club event. Both important. Bay area Science Festival is Oct. 27.

Brian Field Day park bill in receipt and a report will be written. A special session will be scheduled to discuss power and considering a venue change to Piner High school, more area

and parking.

Jeff has "run out of ideas." Requesting ideas for club program and activities and Fox Hunt at next membership meeting? For September "boat anchors" and Home Brew, sell, show and tell, sell. Following months?

Joe, Mini DX session/weekend may be impacted by smoke from fires, prepare.

lola, A discussion regarding pro-rating of club membership fee with Dan kk6viq and evaluation by Dan will then be submitted to Board.

Unfinished Business: Per Joe, Two Fusion H2 DMR radios were approved for purchase in 2017 budget but had not been purchased for club loan out program. Charlie volunteers to re-check prices with necessary accessories and report to be submitted to Board. One to be used by Repeater Committee and (club currently has 2 perhaps outdated) 3 to loan out club program, totaling 4. Requests for same have been made to Joe but not enough radios.

New Business:

Doug thanks lola for lending her radio to Field Day event.

Adjournment: 6:50 PM, unanimous.

Respectfully submitted: Steve, kk6vmz, Secretary



Mobile Radio Power for the Boat Anchor Era

by Dave KI6UGB

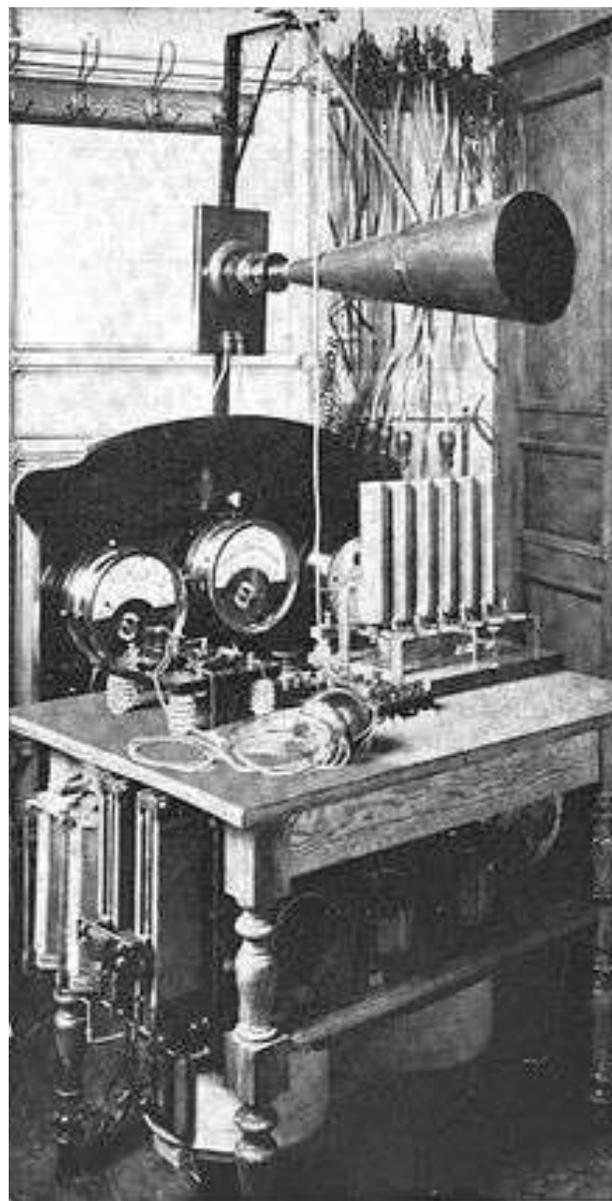
In this issue we've taken a look at some vintage radios. These were mainly Vacuum Tube radios. Vacuum tubes are little electron guns with variable triggers. To get the electrons to shoot across the vacuum in the tube required a bit more than the 12 or 15vdc we use in today's radios. To get the electrons to jump from the filament or cathode to the plate or anode takes around 90vdc or more.

The evolution of power supplies in Vacuum Tube radios starts with battery power, the swings to house current and then back to batteries for portability.

The earliest radios required 3 batteries, the A battery to heat the tube filament, the B battery to charge the tube plate and the C battery to bias the tube Grid. The A or filament battery supplies the most current as much of the current to the filament is lost in heat. Plate current is relatively small, so the B+ battery, though a higher voltage would last longer than the A battery. The C battery had tabs for the different voltages supplied to the tube grid and was later eliminated through voltage dividers used with the B battery.

These batteries were expensive and short-lived. Soon it was discovered that diode tubes could be used in place of batteries with AC house current to produce the higher voltages.

As the battery industry adapted by making smaller batteries for other purposes such as flashlights, the radio industry moved back to using these smaller more portable batteries in mobile power supplies.



AM Radio - the early days



Eveready 479 "B" battery



SCRA 80th

1939



2019

Anniversary

▶▶▶▶ Logo Contest ◀◀◀◀

Back in 1939, a group of interested amateur hams organized the Sonoma County Radio Amateurs and became affiliated with the ARRL. Next year in 2019, we will be celebrating the 80th anniversary of our historic club.

To kick-off the celebration, we are beginning with a contest to design an 80th anniversary logo for use on SCRA publications, merchandise, and giveaways during the year.

Your design should communicate the years '1939–2019' and the 80th anniversary. Please submit your designs to the SCRA Merchandise Committee at danjdrummond@hotmail.com.

The contest will officially end on September 30th, 2018.



Sonoma County Radio Amateurs, Inc.
PO Box 116, Santa Rosa, CA 95402
(Please print this, fill it out, and send it in with your check.)

Name _____ Callsign _____ License Class _____
Mailing Address _____ Phone _____ Cell _____
City _____ Zip _____ New Application _____ Renewal _____
E-mail (if any) _____ Add to Roster (Yes)___ (No) ___

Please Send Short Skip & Roster to my E-mail address () YES! () No thanks

FAMILY MEMBERS, CALL SIGNS & EMAIL ADDRESSES:

1. Name _____ Callsign _____ License Class _____ Add to Roster (Yes)___ (No) ___
E-mail _____ Short Skip & Roster to my E-mail address () YES! () NO
2. Name _____ Callsign _____ License Class _____ Add to Roster (Yes)___ (No) ___
E-mail _____ Short Skip & Roster to my E-mail address () YES! () NO
3. Name _____ Callsign _____ License Class _____ Add to Roster (Yes)___ (No) ___
E-mail _____ Short Skip & Roster to my E-mail address () YES! () NO
4. Name _____ Callsign _____ License Class _____ Add to Roster (Yes)___ (No) ___
E-mail _____ Short Skip & Roster to my E-mail address () YES! () NO

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).

PRO-RATED DUES for new members only: Reduce standard dues rate by \$5.00 per quarter. (ie. Second Quarter, April – June \$15.00; Third Quarter – July – September \$10.00; Fourth Quarter, October – December \$5.00 to end of December of current year or \$25.00 through December of the following year)

I WOULD LIKE MORE INFORMATION ABOUT:

() Public Service Events () Acting as club Net Control Station
() ARES Emergency Services () Helping with VEC license exams
() Taking a Novice or Technician class () Field day, other operating
() Teaching a Novice or Technician class () Helping with Short Skip Newsletter
() Taking an upgrade class () Other _____
() Teaching an upgrade class

SCRA DUES: Individual \$20, Family \$30, Youth, under 18, \$15 + _____
Name Badge (complete info below) \$10 each Circle: Magnet or Clip attachment + _____

Name Badge Information Fill in exactly as you want it to appear on your badge.
Callsign _____ First Name _____ City _____
Callsign _____ First Name _____ City _____
Callsign _____ First Name _____ City _____

SCRA Patch \$5/ea + _____
SCRA T-Shirt \$13./ea Size: s m l xl xxl + _____

Total: \$ _____

(Please make checks payable to SCRA. Send to SCRA, Box 116, Santa Rosa, 95402)



HAM RADIO OUTLET

WWW.HAMRADIO.COM

MULTI-STORE BUYING POWER!

ICOM



IC-7600
All Mode Transceiver



IC-7200
HF Transceiver



IC-7100
All Mode Transceiver



ID-5100A Deluxe
VHF/UHF Dual Band Digital Transceiver



ID-51A Plus
VHF/UHF Dual Band Transceiver

KENWOOD



TS-590SG
HF/50MHz Transceiver



TM-D710G
2M/440 DualBand



TM-V71A
2M/440 DualBand



TM-281A
2 Mtr Mobile



TH-D74A
2M/220/440 HT

YAESU

The radio



FT-991A
HF/VHF/UHF Transceiver



FTDX1200
100W HF + 6M Transceiver



FT-450D
100W HF + 6M Transceiver



FTM-400XD
2M/440 Mobile



FT-60R
2M/440 5W HT



- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations

HRO is family owned and operated by active hams!

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

MILWAUKEE, WI
(800) 558-0411

WOODBIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

NEW CASTLE, DE
(800) 644-4476

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

*Except 60M Band. **Frequency coverage may vary. Refer to owner's manual for exact specs. **Optional UX-9100 required. QST March 2017. The Icom logo is a registered trademark of Icom Inc. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, TX, VA, WI residents add sales tax. Prices, specifications and descriptions subject to change without notice.



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

