



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 6

June 2018



We've had three planning sessions so far and I'd like to thank all of those that participated. Lots of good suggestions, many of which we should be able to implement this year. .

We have all of our Station Captains identified and most of our team leaders identified. The two team leaders we are still looking for are for the Dipole Antenna Erection Team Leader and the Band Coordinator

Station Captains

Our Station Captains this year are as follows:

- SSB – Dennis Colthurst, KI6REO
- CW – Leland Gee, W6GEE and Frank Oddy, NQ6E
- Digital – Nick Barber, KF6IAN
- Get-On-The-Air (GOTA) / SSB #2 – Joe, Fortuna, K6AWA and Jeff Tonelli, KI6PBF
- VHF/UHF/Satellite – Charlie Sikes, KZ6T

Please contact the appropriate station captains if you would like to reserve an operating spot.

Visit the SCRA Field Day website for a complete list of all the various teams. All team leaders are looking for volunteers to help them out.

<http://sonomacountyradioamateurs.com/wp/events/field-day/>

Wanted: Operators for All Stations

With a total of five stations, there should be plenty of opportunities to operate. You can sign-up on the Public Service Sign-Up web page, but also contact the Station Captain (listed above) to specify a preferred operating time slot (the sign-up web page only lists the time of operation of the station as a whole).

Wanted: Dipole Antenna Erection Team Leader and Band Coordinator.

Is it Field Day Time Already? It's Close!!

Field Day is only a few weeks away. Time to round up all the usual suspects (and hopefully a lot of new and unusual ones, as well) and execute our game plan. You can sign-up on-line under the Public Service Sign-Up web page. There are separate pages for each day of Field Day weekend. There are lots of open spaces to fill. <http://sonomacountyradioamateurs.com/wp/events/public-service/public-service-signup/>

And come to our meeting on Wednesday, June 6, to learn more about that game plan.

The big event begins at around 5pm on Friday, June 22 and ending around 3pm on Sunday, June 24. The location will be the same as last year, Youth Community Park (aka Skateboard Park) at 1725 Fulton Rd, in Santa Rosa, across the road from Piner High School.

Continued on page 2...



...Field Day continued from page 1

As mentioned above, the two positions we have not yet staffed are the Dipole Antenna Erection Team leader. We would like to see a relatively new ham take this one on. It's a skill that every ham should learn to do. If this sounds like something you'd like to try, please let me know.

The second position is Band Coordinator. This is a job for a more experienced ham that is familiar with propagation changes and can recommend what bands each station should be operating on during the event

Educational Activity

The Educational Activity will take place at 1pm on Saturday, June 23. The activity will be building a 2m Fox Hunt Antenna out of PVC pipe and fittings and lengths of steel measuring tape. We will be asking for a \$5.00 donation for each antenna built to offset material costs.

So, I want to hear from YOU if one or more of the following apply:

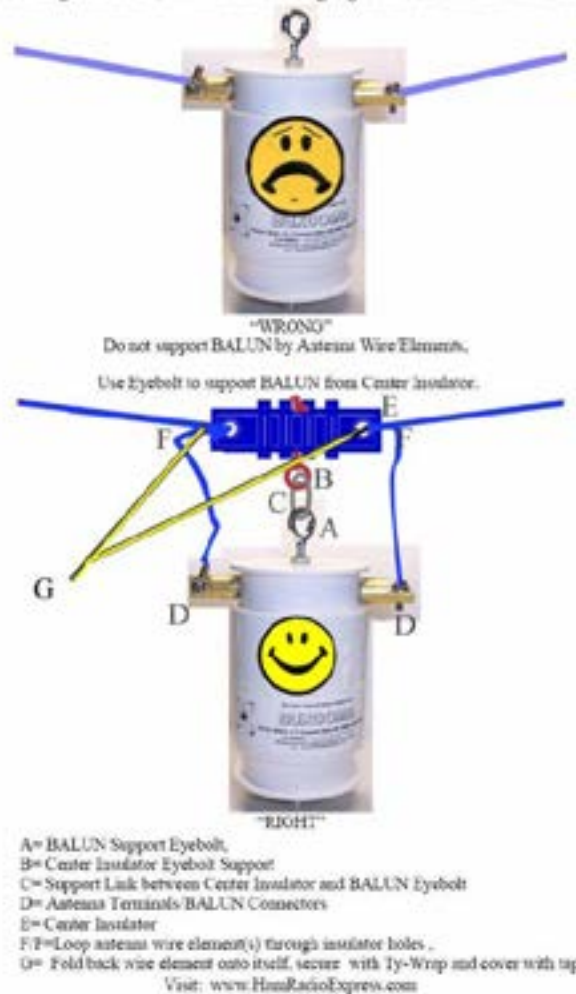
- You would like to volunteer for Field Day. Even if it's only for an hour or two, every little bit helps.
- You are interested in the Dipole Erection Team Leader or Band Coordinator position
- You have suggestions, any suggestions, regarding Field Day.
- You are curious to know more about Field Day
- You have equipment or ideas that could be put to use on Field Day

TH-6 Antenna Assembly and Erection Practice Session
On Saturday, June 9, at 9am, we will meet at Doug Payne, KF6LMB's QTH to practice assembling the TH-6 tri-band beam, mounting it onto the crank-up mast, and raising it to full height. Anyone intending to volunteer to participate in setup on Friday June 22 is strongly encouraged to come to this session. Knowing how to execute this part of the setup so that it goes quickly and efficiently is key to ensuring that the rest of Field Day setup goes smoothly as well.

Let's make Field Day 2018 even better than last year!

Brian Torr, N6IYY
Tel: (707) 575-5871
n6iyy@arrl.net

How to hang a BALUN without damaging BALUN Antenna terminals.



JUNE PROGRAM

Field Day
by Brian N6IYY

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

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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

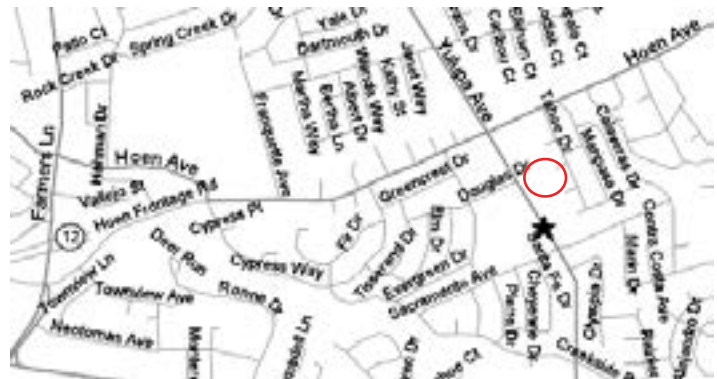
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SCRA Club Meetings

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 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.

New! 160 Meter Net - 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

Sat 6/09 TH-6 & Crank-Up Mast Training Session

Education

Sun 6/10 Monte Rio Vineman

Bicycle

Sat 6/16 Terrible Two

Bicycle

Sat 6/16 ARRL Kid's Day

On the Air

Sat 6/23 Field Day (6/22-6/24)

Camping

Sat 7/21 VE Testing

Education

Sat 8/12 Tour d'Organics

Bicycle

Fri 8/17 Mini-DX (8/17-8/19)

Camping

Sat 8/25 Tour De Fox

Bicycle

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.](#)



2018 PROGRAM LINE-UP

Iola and I are working jointly on a series of over view programs for the 2018 calender year that are intended to promote the idea of encouraging our recently licensed Technician Class operators to advance to General Class license. Also if any existing or returning General class operators want to get back up to speed on the latest license requirements they would be more than welcome. As stated before this program is intended to be a brief overview taking 30 to 45 minutes to present during the first half of the general club meeting, with interested participants being teamed up with an mentor.

Based on the current A.R.R.L. General Class License Manual the monthly overview program will cover the following topics as listed below (Subject to change):

February: Chapter 2 Procedures and Practices and Chapter 3 Rules and Regulations.

March and April: Chapter 4 Components and Circuits.

May: Chapter 5 Radio signals and Equipment.

June: Field Day

July: Chapter 6 Digital modes.

August: Chapter 7 Antennas.

September: Chapter 8 Propagation.

November: Chapter 9 Electrical and R.F. Safety.

We will be looking for as many volunteers as possible to take on presenting each topic based upon their interest and skill set as well as mentors. So in a nut shell, "Come one come all please help make this program a success."

Jeff Tonelli

KI6PBF



July 20 - 22, 2018

Nevada State Convention in Reno, NV

NVCON 2018 Returns to Reno, Nevada at Boomtown Casino Hotel July 20 through 22, 2018.

Registration is open along with hotel information and forums that are planned to be offered this year.

Please visit our website at <http://nvcon.org> for updates as we are still working on addition some great forums, presenters and activities.

73,

Nevada State Convention Planning Committee

Why Good Operators Wait for the Courtesy Tone

By Fred Seitel AE6SF

First off, what is a Courtesy Tone? When you transmit using the SCRA 2-meter repeater (147.315 + PL 88.5), and then let off the push-to-talk (PTT) button, the repeater system continues transmitting the carrier for 1-2 seconds, sounds a single beep (if English Hill) or two beeps (if Castle Rock), then drops the carrier. Those beeps are called the "Courtesy Tone".

Every good operator waits for the Courtesy Tone before keying up to respond, and for an excellent reason. If two conversing operators both have strong signals into the repeater, **a weak-signal emergency call will not break through.** It is during the 1-2 second period prior to the Courtesy Tone that a third operator with a weak signal can say "Emergency" or "Priority Traffic" or "Break Break" (two-word sequence) and be heard.

Our club [Repeater Policy](#) states the following priority of repeater usage: emergency communications, SCRA approved or authorized directed nets, SCRA member usage, and non-SCRA related usage. **Please wait for the Courtesy Tone to allow emergency traffic to assert itself.**

And speaking of courtesy: If two operators are rag-chewing for an extended duration, waiting for the Courtesy Tone also allows a third operator, who has non-emergency traffic, to request air time by saying "Break" (single word), "Comment", callsign, or something similar. Perhaps she/he needs to send a quick message to a fourth operator or add a relevant comment. It is courteous to accommodate that request. And that's likely the basis for the name "Courtesy Tone".

Waiting for the Courtesy Tone Prevents Doubling – Fact or Fiction?

When It's A Fact: If you have trouble knowing when an operator has finished transmitting, it's possible you will jump the gun and double with him/her. Waiting for the Courtesy Tone will keep you from doubling with an on-going transmission.

When It's Fiction: Waiting for the Courtesy Tone does *not* prevent two responding operators from keying up at the same time. Doubling naturally occurs during a net and will be sorted out by Net Control. To preclude this type of doubling, activate your Clairvoyifier control.



Available April 1, 2022

OFFICIAL NOTICE OF MEETING CHANGE OF DATE!

Please be advised that our regular monthly meeting date has been changed from Wednesday, July 4th to Thursday, July 5th. This change is in line with our By Laws that reads:

"If the day fixed for the annual meeting or other regular meetings falls on a legal holiday, such meeting shall be held at the same hour and place on the next business day or such other time as the Board of Directors shall determine."

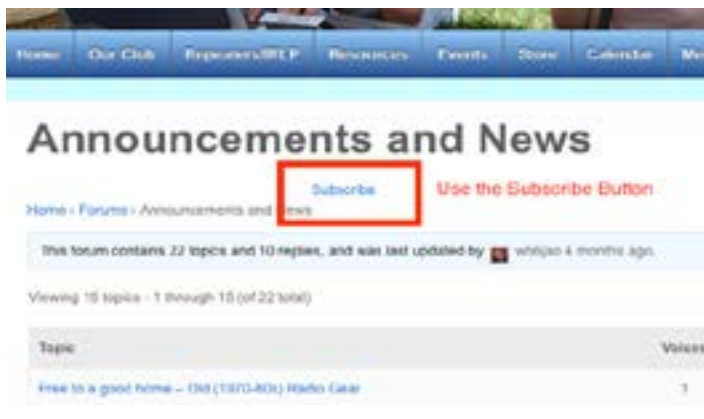
Any questions can be directed to John Ke6RI at K6SON@ARRL.NET.

SCRA Website Forum

So how many of you know that the SCRA website has a forum page? Its there for all members to use. There is a Section for Activities, Announcements and News, Public Service, and Technical Issues. To visit the site,

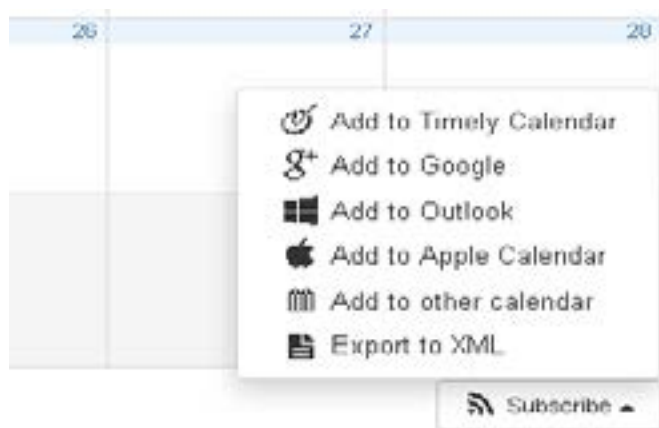
Navigate to the SCRA website,
Log in as a member
Click on Member Area, then [Forums](#)

While you are on the individual Forum pages, make sure to click on SUBSCRIBE. This will send you an email when a new question gets posted. Don't worry about your inbox getting flooded with junk emails. Only valid members can post to the site.



How to Subscribe to the SCRA Calendar

Subscribe to the SCRA calendar and automatically import event dates into your electronic calendar(s). Go to the calendar page on the SCRA website and click the Subscribe button in the corner. Select the type of calendar you want to subscribe to. You will be taken to your sign-in page to finish adding the subscription.



CONTEST CORNER

Hello Short Skip readers, NQ6E here for this month's edition of Contest Corner. Two words sum it up for this month - Field Day. Come one and all to this exciting event and participate, operate, or observe. Just show up and listen in on what a good many hams across the U.S. are doing from 11 a.m. Saturday June 23rd through Sunday 11 a.m. June 24th. That's right, 24 hrs of operating any mode available to the participant. So what's this got to do with contesting? Well, run a frequency on 80m at 3 a.m. and you'll experience operating in a contest environment a la Field Day. It's all about contacting as many stations as possible during the given time period. And, of course, having fun.

A contester can choose a frequency not being used and call CQ then listen and work any station he or she hears. This is called running in contest lingo. "CQ Field Day Whisky Six Sierra Oscar November CQ Field Day." Listen. Transmit this CQ again until you hear a callsign come back. Listen. "Kilo Hotel Six Alpha Alpha." "Kilo Hotel Six Alpha Alpha please copy 3 Alpha Sierra Foxtrot." "QSL copy 4F PAC." "Roger thanks QRZ." All of a sudden you may have every station that hears you wanting to work you; and this is the makings of a pile up. You are running a frequency and people are chasing you, even in the wee hours of the morning! This works with any mode. The example shown is an ssb station operating.

One can also utilize the search and pounce method of contesting. Tune around a band until you copy some Field Day stations. Listen. Get the rhythm of the call and response from the two stations and copy the call of the one running the frequency. Listen. Send your call once as soon as the last exchange is over. Listen. If you hear your call come back, copy the exchange correctly. Then send QSL, R, RTU, or TU and your exchange. Listen. Copy R, TU, or some other confirmation if from a chatty runner and you have just made a contact. This example could have been from a digital mode, say PSK31, RYTTY, OLIVIA, CW, etc. Whether you run a frequency or search and pounce keep in mind that a clean and concise signal will get you contacts and earn appreciation from other operators. Depending on the mode SCRA will be using W6SON or K6SON as the station call and 3A SF as the exchange. We may become a 4A Class if another ssb station is added. The VHF/UHF and Satellite stations will give our grid square CM88 as part of their exchange. CQ Field Day...

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

June 2018

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 Date-Time	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
2 1300	3 1300	50	UKSMG Summer Contest	CW Ph Dig	RST, serial, 6-char grid square	uksmg.org
2 1400	3 0200	1.8-144	Kentucky QSO Party	CW Ph Dig	RS(T), county or SPC	www.kyqsoparty.org
2 1500	3 1459	1.8-28	IARU Region 1 Field Day, CW	CW	RST, serial	www.darc.de
2 1500	3 1500	7-50	Dutch Kingdom Contest	CW Ph	RS(T), serial	dkars.nl
2 1500	3 1500	1.8-28	RSGB National Field Day	CW	RST, serial	www.rsgbcc.org/hf
4 1900	4 2030	3.5	RSGB 80-Meter Club Championship, Data	Dig	RST, serial	www.rsgbcc.org/hf
5 0100	5 0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
7 1700	7 2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	www.nrau.net
7 1900	7 2100	1.8-28	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
8 1900	8 1959	3.5-7	HA3NS Sprint Memorial Contest	CW	RST, mbr or "NM"	radioamator.honlapepites.hu
9 0000	10 1559	3.5-28	DRCG WW RTTY Contest	Dig	RST, CQ zone	www.drcg.de/drcgww
9 0600	10 0600	3.5-28	VK Shires Contest	CW Ph	RS(T), VK Shire or CQ zone	www.wia.org.au
9 1100	9 1300	14-21	Asia-Pacific Sprint, SSB	Ph	RS, serial	jsfc.org/apsprint/aprule.txt
9 1200	10 1200	3.5-28	Portugal Day Contest	CW Ph	RS(T), CT District or serial	rep.pt/portugal_day_contest
9 1200	10 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
9 1500	10 1500	3.5-28	GACW WWSA CW DX Contest	CW	RST, CQ zone	www.wwsatest.org
9 1600	10 1600	50	REF DDFM 6-Meter Contest	CW Ph	RS(T), serial, 4-char grid	concours.r-e-f.org
9 1800	11 0259	50 and up	ARRL June VHF Contest	CW Ph Dig	4-char grid square	www.arrl.org/june-vhf
10 1700	10 2200	All, no WARC	Cookie Crumble QRP Contest	CW Ph Dig	RS(T), SPC, cookie number, name	w3atb.com/cookie-crumble
11 0000	11 0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqr.com
13 0030	13 0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
13 1900	13 2030	3.5	RSGB 80-Meter Club Championship, CW	CW	RST, serial	www.rsgbcc.org/hf
16 0000	17 2359	50	SMIRK Contest	CW Ph	Mbr (optional), 4-char grid	www.smirk.org
16 0000	17 2359	1.8-28	All Asian DX Contest, CW	CW	RST, 2-digit age	www.jarl.org/English
16 1200	17 1159	3.5-28	Ukrainian DX Classic RTTY Contest	Dig	RST, 2-letter oblast or serial	urdxc.org/rtty
16 1200	17 1200	1.8-28	ARR BPSK63 Contest	Dig	RST, serial	ct1arr.org
16 1400	16 1800	144, 432	AGCW VHF/UHF Contest	CW	RST, serial, power class, 6-char grid	www.agcw.org
16 1400	17 1400	50	IARU Region 1 50 MHz Contest	CW Ph	RS(T), serial, grid	concours.r-e-f.org
16 1500	17 1500	1.8	Stew Perry Topband Challenge	CW	4-char grid square	www.kkn.net/stew
16 1600	17 0200	3.5-28	West Virginia QSO Party	CW Ph Dig	RS(T), county or SPC	www.qsl.net/wvsarc
16 1800	16 1959	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid, power	sites.google.com/site/feldhellclub
16 1800	16 2359	3.5, 7, 14, 18, 21, 24, 28, 144 repeaters	Kids Day Contest	Ph	Name, age, QTH, favorite color	www.arrl.org/kids-day
17 0900	17 1500	50	WAB 50 MHz Phone	Ph	RS, serial, WAB square or country	wab.intermip.net
18 0100	18 0300	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
21 0030	21 0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
23 0000	24 2359	7-28	Battle of Carabobo International Contest	CW Ph	RS(T), YV state or serial	radioclubvalenciaac.org.ve
23 0600	23 1700	3.5-28	UFT QRP Contest	CW	RST, QRP/QRO, mbr or "NM"	uft.net/reglement/eng.pdf
23 1200	24 1200	3.5-28	Ukrainian DX DIGI Contest	Dig	RST, 2-letter Oblast or serial	www.izmail-dx.com
23 1200	24 1200	1.8-28	His Majesty King of Spain Contest, SSB	Ph	RS, EA province or serial	concursos.ure.es/en
23 1800	24 2100	All, no WARC	ARRL Field Day	CW Ph Dig	Number of transmitters, class, ARRL/RAC section	www.arrl.org/field-day
27 0000	27 0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
28 1900	28 2030	3.5	RSGB 80-Meter Club Championship, SSB	Ph	RS, serial	www.rsgbcc.org/hf
30 0000	30 2359	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid, power	sites.google.com/site/feldhellclub

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.

I came across this article in an old edition of [Electronic Radio](#) and though it was such a great idea to have in your tool box if you enjoy restoring old radios. lola kk6hre

THE “HEAT AND BANG” METHOD FOR REFURBISHING OLD RADIO PARTS.

By Mike Bittner, W6MAB

As published in the August 2015 edition of *Electronic Radio*, celebrating a bygone era.

“Many of the parts I use in my projects are salvaged from junker radios. I always use the “Heat and Bang” method as explained below, for refurbishing parts as these are often easier to use than new-old-stock parts. The terminals of NOS parts are often oxidized and require special treatment to them to bond with solder, whereas the terminals of refurbished parts readily accept new solder.

1. First, place a tall-sided, small bottomed, corrugated cardboard box on your work bench. The box will keep solder splash off you and your work bench and will cushion the “bang” such that the part being refurbished, and your bench top will not damage each other.
2. Cut off all the wires as close as possible to, i.e., right up against each of the part’s terminals with flush-cutting diagonal cutters.
3. Hold the part with your fingers a safe distance from the terminal you are going to heat or hold the part with pliers or whatever tool works.
4. Hold the tip of the soldering iron against the solder on a terminal until the solder melts.
5. Withdraw the soldering iron and slam the part into the bottom of the box. Some will splash up and hit the sides of the box. If you stand back while you do this, none will hit you. Regarding eye protection, if your regular eye glasses are made of safety-glass material, then that’s all you need. If not, or you don’t need eye glasses then, of course, use safety glasses.
6. Repeat steps 3 through 5 above for each terminal on the part. To avoid overheating the insulation the last terminal you work on (items such as tube sockets), work next on a terminal that is located opposite to that last terminal you worked on.

7. Now remove whatever wires may remain on the terminals with needle-nose pliers. On some stubborn terminals, you may have to repeat some of the above steps to get the terminal clean and free of wire fragments.

8. If the part can stand up to solvents (most tube sockets can) dunk the part or a whole bunch of similar parts in a jar, with about ¾ inch of solvent in the bottom, and close the jar’s lid. I usually use lacquer thinner, but many people recommend alcohol.

9. Slosh the parts around in the jar until they are clean and free of all solder flux residue. For parts that cannot withstand total immersion in the solvent, e.g., potentiometers, swab the terminals clean with Q-Tips® that have been dipped in solvent. In some cases, brush with an old tooth brush that has been dipped in solvent may be necessary.

As the solder accumulates in the box, occasionally scrape its insides clean, and dump the contents into a container for “hazardous waste”.



No, not a flux capacitor, it’s called a [PackTenna](#).

SCRA Membership Meeting**May 2, 2018****Call to order: 7:07 P.M.**

Present: John ke5ri, lola kk6hre, Joe k6awa, Aaron kk6zbd, Jeff ki6pbf, Fred ae6sf, Steve kk6vmz. **Quorum met.**

Introduce New Members and Guests: Ibrahim Sael KM6RQF is a third time guest and new member as of tonight.

Announcements: DMR for sale, Martin Kilgore KJ6BQM.

Iola: A Boy Scout Group will be at Spring Lake and making contacts on frequencies other than our frequency. Our frequency will be used for the Sonoma 50 event.

Darryl:

- a. Human Race, thanks to Cornel w6hmn, Doug kf6lmb, Joe k6awa, and Charlie kz6t.
- b. June 20: Bay Area Science Festival at Sonoma/Marin Fair, free pass and parking near set up. Contact Darryl.
- c. June 9: Incarnation Bike Ride Benefit for Homeless.

Doug kf6lmb displayed OSL cards and passed a card to Fred ae6sf. Fred passed his card to Doug.

Fred ae6sf has available component packs. Contact him.

Dan: Congratulated Nick KM6RQG who went from Amateur to Extra and Erin KM6SJT from no call sign to General.

Andrew ke6hid reminded club to wait for courtesy tone while broadcasting to avoid doubles.

NET CONTROLS FOR May:

- May 8: Fred K6SF
- May 15: Joe K7AWA
- May 22: Charles KM6CTT
- May 29: Iola KK6HRE
- June 6: Dan KK6WNM

Presentation: Joe k6awa, set up of HF station, Darryl ki6msp set up for mobile home and concerns. Joe k6awa, QST handouts.

Break: Five minutes.

APPROVAL OF PREVIOUS MEETING

MINUTES: Motion by Iola seconded by Joe. Motion passed.

COMMITTEE REPORTS:

Thank you to Trudee for refreshments.

Treasurers Report: Aaron: Nothing to Report.

Activities: Jeff Thursday July 12 is KPF. Check website for details.

Mini DX 2018: Doug ~ Mini DX on August 16, 17 and 18. Mendocino County Park, approx.. 4 hour drive, \$ 25.00 per night.

Public Service Events: Iola ~ Tour de Fox Bike/ Run 35, 75 and 100 miles. Fred as6sf will share CommBoss responsibilities with Darryl ki6msp. Education: Cornell w6hmn, next class is Sept. 7, 8, 9 with VE Testing on Sunday.

Field Day: Brian n6iyy, Field Day set up 5:P.M. June 22, 23 and 24th dismantle, 11 A.M. Saturday 23 at 1 P.M. educational activity, dinner 5-ish with donation.

Darryl: Club handouts and signs for Field Day.

Merchandise: Dan kk6viq made a donation to club of Field Day buttons.

Membership: Karen k6ksm. No report.

Loaner program: Joe k6awa, Club Kenwood TS 590 SG lost in transit, insurance claim filed.

Old Business: None

New Business: Next year is clubs 80th year. Iola, Dan, Cornell, and Darryl on committee.

Adjournment ~ Motion to adjourn: First; Kathy k6kdw Seconded: Dan kk6viq

Respectfully Submitted:

Steve Bouchard kk6vmz
Secretary

Board of Directors Meeting: May 9, 2018

Call to Order: President John ke5ri, called the May 2018 meeting to order at 6:00 P.M.

Board Present: Aaron kk6zdb, Jeff ki6pbf, lola kk6hre, John ke5ri, Fred ae6sf, Joe k6awa and Steve kk6vmz.

Also Present: Jim ki6rer, Pat kg6jst, Doug kf6lmb, Andrew ke6hid, Mike ad6yb, Dan kk6viq, Charli hz6t, Darryl ki6msp and Brian n6iyy.

Approval of Previous Minutes: Motion to accept previous minutes as published in Short, Short Skip. Aaron kk6zdb, 2nd Jeff ki6pbf.

Officers and Directors Reports:

Treasurer: Aaron KK6ZDB, reports a donation of \$497 from Bike Monkey, Fred moves to accept donated mileage money. Motion was unanimous.

Committee Reports and Business:

Activities: Jeff ki6pbf. 1) Plans for Night of Nights at KPH are coming along. 2) Field Day Activity, build antenna, \$ 7.00 cost.

Community Outreach: Darryl ki6msp; 1) Sonoma County fair, Friday, August 3rd and Saturday 4. 2) Sonoma Marin fair June 21st. 3) Vineman Marathon is June 10, 8 A.M. need volunteers, Jenner to Monte Rio.

Membership: lola kk6hre reports we have 176 members with our latest new member, Ibrahim km6rqf.

Loan Out Program: Joe k6awa reports that Club Kenwood TS 590 SG lost in transit, insurance claim filed.

Public Service Coordinator: lola kk6hre reports that Fred ae6sf has agreed to CommBoss the Tour deFox event. However, he will be out of the state during the actual event and will need a Co-CommBoss to assist. Darryl ki6msp agreed to handle the event and assist Fred with the event.

Unfinished Business:

lola kk6hre passed out business cards and brochures. (Charlie hz6t has original master for brochures).

Merchandise: Dan kk6viq, all is well. One more hat sold will cover the cost of hats to club.

Education: Cornell w6hmn. Absent

Field Day: Brian n6iyy. Field Day going as planned. Minor changes. Meeting on Saturday,

May 19 at 10am, Skate park. Fred ae6sf motion for SCRA to pay for Wi-Fi on site at Field Day, under \$ 40.00. Motion by Aaron kk6zdb, 2nd Joe k6awa, vote is unanimous.

New Business:

1) Darryl ki6msp, has handbills and informational handouts available featuring SCRA.

2) lola brought up the 80th Anniversary project for 2019. lola needed the exact month that the club was established in 1939. Mike ad6yb, confirmed that the Club established February 1939. Committee, at present, consists of Dan kk6viq, Darryl ki6msp, Cornell w6hmn, and herself. Others will be added as plans progress.

3) The new LBAGC contract is ready to be signed: \$ 100.00 monthly.

4) Aaron kk6zdb, per John Breckinridge wb6frz, 12 Volt power supplies by Microsend for Field Day.

5) Fred ae6sf, surplus supplies available for free to club members. Contact Fred.

6) Andrew ke6hid had a suggestion that SCRA organize a Ham Fest with a breakfast, VE testing, and flea market similar to what Valley of the Moon does annually. No action taken.

7) President, John ke5ri mentioned that our next membership meeting is set for Wednesday, July 4th. We need to review the By-Laws to see what our options are. lola kk6hre offered to take care of this situation.

Meeting Adjourned: 6:56

Respectfully submitted,

Steve Bouchard, Secretary, kk6vmz

2018 Mini-DX Ops Plan

August 16, 17, 18

Objectives

1. Have fun
2. This is (in general) a multi-day/night radio operating social event. There are no structured elements. You are free to operate any band, mode, or schedule you wish. Please be mindful of others using the same band.
3. Be prepared to educate other campers in the Park. There always are interested people walking through.

Location and Directions:

1. A.W. Way Park is located along the Mattole River in rural Humboldt County. Nearest towns are Petrolia to the north, Honeydew to the south.
 - a. The address of the Park is: 36625 Mattole Road.
 - b. Coordinates are: 40d 16.0934'N 124d 13.8007'W
 - b. Maidenhead Gridsquare is: CN70vg
2. There are four routes you can take to reach the Park, three of which are paved. You can find an online Google map of the routes here. [Google Map Link](#). Just click on any of the routes on the left hand menu bar to turn them on or off.
 - a. Most seem to take Route-1 in from Weott. It is paved but does have a steep switchback descent into the town of Honeydew. Those with trailers or RV's should be careful.
 - b. Route-2 is a good alternate for the Sunday drive home. 90% paved. It will take you through a very remote area of Humboldt County where you may experience a sweet aroma in the air.
 - c. Route-3 takes you along miles of deserted beaches and through the historic Victorian town of Ferndale.
 - d. Route-4 is only for the adventurous 4-wheel driver. In 2015 we rescued a driver who had not seen another soul in 6-hours of waiting for help.
3. A. W. Way Park information:
 - a. They do not take reservations, however we have never had any problem securing multiple campsites together. The first to arrive will setup in a number of sites to help secure them for late arrivers. We usually

- secure the sites on the western edge of the Park.
- b. General Park information can be found [here](#).
- c. Big picture general map can be found [here](#).

Organization

1. This is not a structured event. This year it occurs on the same weekend as the North American QSO SSB Party and the International Lighthouse Lightship Weekend. There are many SOTA peaks in the area. Some easier to get to than others.
2. You are free to pursue any endeavor (radio or non-radio) you have in mind such as:
 - a. Biking (mountain biking or back roads)
 - b. Hiking
 - c. Swimming in the Mattole
 - d. Drive to the Beach
 - e. Tour the Redwoods
 - f. Lounging around
 - g. Stargaze (fog permitting)
 - h. Geocaching
3. Caravan
 - a. There will be an organized caravan for the trip up on Thursday morning. We will meet at the Windsor Walmart parking lot at 0730 and depart no later than 0800. Caravan travel frequency will be 147.55. For any stragglers, we will monitor English Hill until we reach Cloverdale.
4. Food and Beverages
 - a. Each individual is responsible for their own meals. (B.L.& D), except; Friday night we will have a pot-luck style dinner. Organization of that to follow.
 - b. Shade tents will be setup for family style group meals.
 - c. No restrictions on beverages.

Operations

1. Frequencies
 - Talk in will be on simplex. 147.55 The caravan will be using the talk-in on the complete route. Once camp is set up, someone will be monitoring the entire weekend. For late arrivals, your 2m mobile should be able to hit the camp when starting the last descent into Honeydew.

Continued on page 13...

...Mini DX Ops continued from page 12

- IRLP: There is a 6m IRLP Node near the top of Mt. Pierce, which is 12 miles northeast of the camp. We have asked for permission to use the node during our event. The details are:

- o Node 3572, Call sign N7HQZ
- o Location 40.4229N 124.,09772W, Heading 33.16 degrees from camp
- o Frequency 51.84, offset -500
- o PL 114.8

- The campsites are generous enough to allow plenty of room for setup and operations including tall trees with lots of branches to string 80m dipoles.

- It is **STRONGLY** urged that you operate using battery, not generator. If you need to re-charge your battery with a generator, please be mindful of others who are trying to operate in a quiet environment. Those with solar panels should have no problem Winding enough sun.

2. The campground (A.W. Way Park) is a public campground. There will be other campers. Please respect the Park's quiet time rules and keep your radio's volume turned down.

Supplies:

1. For either route 1 or 2 you should re-fuel in Garberville, Ferndale for route 3.
2. Lunch in Garberville has always been an iffy thing. For a route-1 to route-2 detour, there is a diner in the town of Redway that is decent. (Excellent hotdogs). 3.5 stars on Yelp. Debs Diner
3. Honeydew general store has a decent inventory of supplies and groceries. Ice, soft drinks, snacks, etc., gas is sometimes available. Humboldt Gold seems always to be in stock or in use as well.

Campground Accommodations

1. Fees are \$25 per night per campsite. Pay the iron ranger upon entering the campground. Each campsite can accommodate 2-vehicles, so if you want to cut costs, share a campsite. \$2 senior discount (62 & over) per night.
2. Toilet facilities are a short (downwind) walk away. Bring your own towels. (No paper towels are provided)
3. Hot showers are available. 3-quarters is all you need. Bring your own toiletries and towels.

4. Trash cans are setup around the campground. (Non-bear-proof type)

Miscellaneous

1. Bugs (mosquitos) can sometimes be an issue. Come prepared to do battle.
2. Dogs are welcome.

NIGHT OF NIGHTS XIX

July 12, 2018

David Dillman from the Maritime Historical Radio Society will be at the SCRA general membership meeting on Thursday, July 5th, 2018 to deliver a slide show presentation on the history of KPH, the maritime ship to shore radio transmitting and receiving stations.

His presentation is timed as a lead up to the KPH NIGHT OF NIGHTS event on July 12, 2018.

So all interested SCRA members mark your calendars and figure out who to car pool with and head either to the RCA Transmitting Station at Bolinas or the KPH receive site at point Reyes. Please check out the KPH web site for exact details about NIGHT OF NIGHTS.

There will be a sign up sheet at the June general member ship meeting ... So Sign Up!!

The July presentation may have an unknown number of guests present so we will need to make adjustments to our meeting schedule as conditions may require.

Jeff Tonelli

KI6PBF



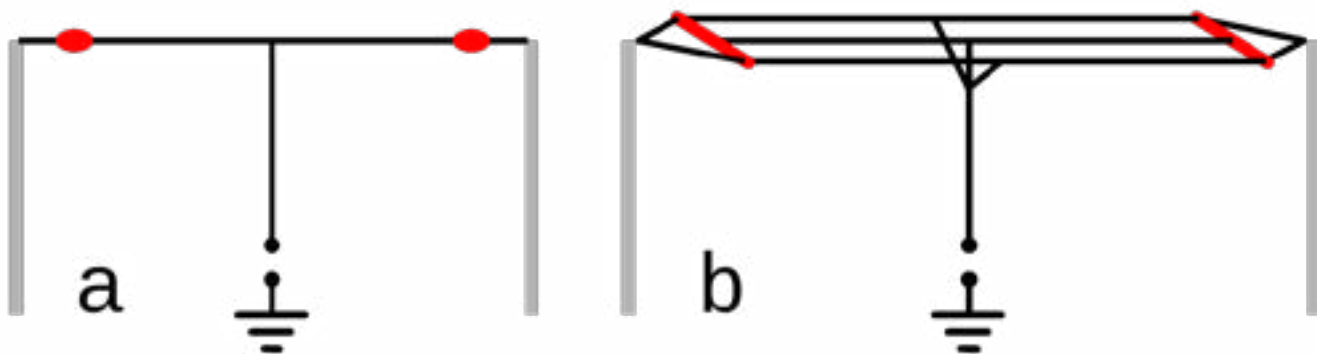
Using a “Short” Dipole Antenna for 160 Meters

Keith Payea, AG6CI

11-May-2018

You’ve probably heard Joe, K6AWA, announce the 160 meter net that follows the 10 meter net on Tuesday nights after the club VHF net. Would you like to participate, but have no antenna for that band? If you have a dipole antenna or G5RV intended for 80 or 40 meters you can try a simple way to make it work on 160 meters. I learned this trick from an article by WB2HTO (<http://www.bambinomusical.com/WB2HTO/Vertical.html>) in QST a few years back, but it seems time to share the idea.

Basically what you do is treat your dipole as a “T” Antenna – a short vertical (the feedline) plus a capacitive top load (the dipole). There’s a great explanation of this on Wikipedia: <https://en.wikipedia.org/wiki/T-antenna> where I got these pictures.



This probably requires at least a balun, more likely an antenna tuner. Disconnect the feedline from your rig or tuner. Tie the inner and outer part of the feedline together and to the center pin of the “antenna” jack on the tuner. Tie the outer part of the jack on the tuner to ground and ideally at least one long wire lying on the ground. A standard banana plug fits nicely into the center socket on the SO-239 jack, and the ground lug on the tuner is a good place to make that part of the connection.

At my place I have an 88 foot dipole fed with 450 ohm window line from an MFJ-949E tuner. The tuner has three banana jacks on the back for connecting a balanced line or a single wire.

I made a quick test by connecting both wires from the feedline to the “WIRE” connection on the tuner. I found this worked really well for me on 160 meters so I built a little switch box that plugs into the three jacks and provides another pair of jacks for connection to the feedline. Then I can easily switch back and forth between “T” connections and balanced line connections.



The GND terminal is connected to my station ground which consists of 3 ground rods and 4 random radials that run along fences and under shrubs wherever I could fit them.

This “T” Style antenna was popular with Marconi stations in the early days of radio. Our beloved dipole antenna was used by Hertz in his experiments. So I call the two settings “Marconi” and “Hertz” on the labels. While I was at it, I put in an antenna disconnect switch.

Continued on page 15...

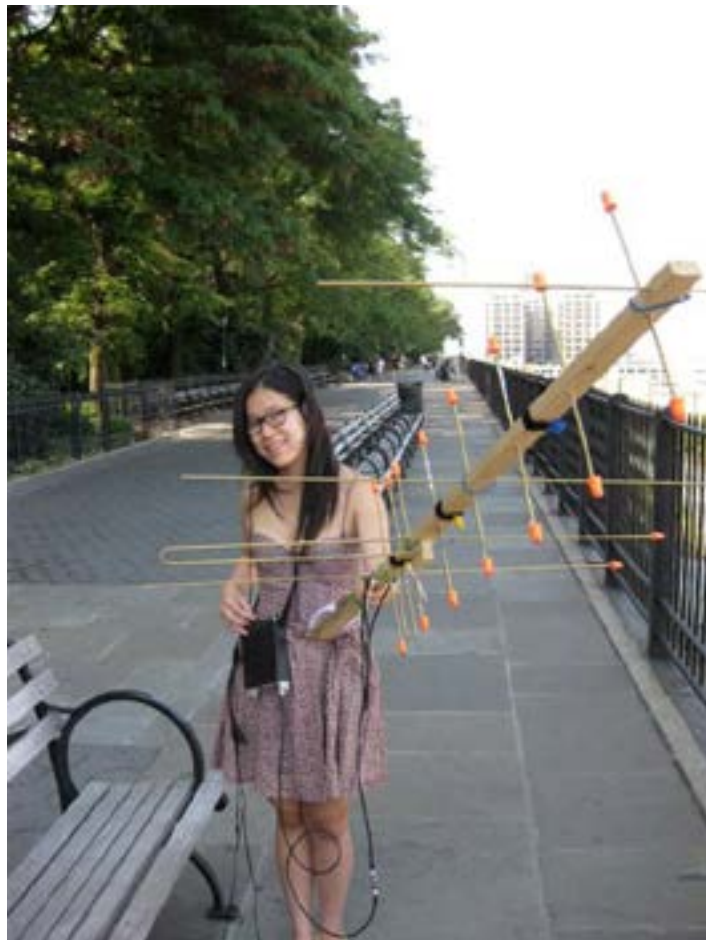
...Dipole Antenna continued from page 14



This setup is really specific to my situation, so I haven't included a schematic here. If you want to see it, just ask and I'll send it to you.

'73, Keith

Make: Catching Satellites on Ham Radio



From Makezine.com July 22, 2009

My favorite ham activity is making contacts via satellites. Not only is there the romantic notion of sending messages into outer space, but you have to trace the orbit of the satellite with your antenna while tuning the radio, to compensate for the Doppler effect. [... more ...](#)

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:

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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 \$11.50/ea Size: s m l xl xxl + _____

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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, shortskippeditor@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 shortskippeditor@gmail.com

