Waves To Wine

The annual MS Society annual fund raising event to battle MS. SCRA has been involved in this event for many years. Saturday, the ride starts in SF, proceeds up Hwy 1 before turning inland to finish at Sonoma Mountain Village. Sunday, the ride tours areas in the west county to finish back at SMV.

Joe, k6awa at Waves to Wine. Joe had the situation well in hand. Both hands.

Getting ready to move on to the next rest stop.

Bikes are taking a much needed rest.

Let's see. How many more miles to the finish?

PRESIDENT'S MESSAGE OCTOBER 2017

Here we go again. It seems like it was just yesterday that I wrote the September President's Message. Getting to the end of my two year stint the time is going faster and faster! Getting a topic is the hard part. Once I have a topic or idea, the words flow.

New Members in the past 3-4 months are: Brian Skelly KM6LSE; Gerard Webb KM7LSG; Gary Given KM6LSD; Jens Vidkger KM6LSJ; Drake Vidkger KM67LSK; Norman Eisley M6LSL; Stu Clark WA7BTK; Thomas Doyle KM6MLY; Thomas Sehabiagve KD6GK. Welcome to you all and we hope you will start joining us in our varied activities. If you have a particular skill that you would like to offer SCRA on any specific committee, please speak up. You can email me at k6son@arrl.net and we will get you involved. Older members please reach out to these new members and offer your expertise with amateur radio.

The Nominating Committee is busy contacting all 168 SCRA members to fill the vacancies that will occur at the end of the year. Elections are during the November Membership Meeting. Two offices will be vacated ~ President and Secretary. The remainder of the officers will be incumbent that need to be elected to their second year, if they so wish. New members with less than six months membership are not eligible to run for office this year. Members with 6-12 month membership may run for one of the two Director positions. Only members with more than one year membership may run for any office.

The Member of the Year Award Committee accepted nominations until September 30th. Please contact me if you have a last minute nominee at k6son@arrl.net. This award will be given at the December Holiday Dinner.

Public Service Events are done. A wonderful job by everyone! I hope most of you jumped in and tried your hand at a rest stop or as net control. We would be happy to hear about your experience. A very huge THANK YOU to all who did participate. Being a Shadow with an experienced Ham is a great way to get started. You have to make the first move by letting someone know about your interests. Being part of the fun is the best part of being a member.

The Program for October's meeting will be "Stump the Pros". Bring your technical questions (and there are NO dumb questions) and get an answer from our knowledgeable panel.

Now, off to Maine!

Iola kk6hre

OCTOBER PROGRAM

Stump The Pros

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

2017 Club Officers

President	Iola Beckley	KK6HRE
Vice President	Joe Fortuna	K6AWA
Secretary	Kathy Wells	K6KDW
Treasurer	Aaron Marroquin	KK6ZDB
Director	John Felton	KE5RI
	Laura Tighe	AG6PE
Past President	Patrick Coyle	KG6JSL

Committee Lineup/Contacts

Activities	Laura Tighe, AG6PE	laurati@hotmail.com
Programs	John Felton, KE5RI	jrfke5ri@aol.com
Community Outreach	Darryl Paule, KI6MSP	ki6msp@arrl.net
DX/Contesting	Doug Payne, KF6LMB	dougpayne1@earthlink.net
Education	Dave Harrison, W6IBC	w6ibc@arrl.net
Emergency Services Liason	Pat Coyle, KG6JSL	coylaw@sonic.net
Field Day	Brian Torr, N6IIY	n6iiy@arrl.net
License Trustee	John Felton, KE5RI	jrfke5ri@aol.com
Website Manager	David Kraybill, KI6UGB	shortskipeditor@gmail.com
Membership	Karen Stutz-Miller, KK6GJW	kk6gjw@gmail.com
Merchandise	Dan Drummond, KK6VIQ	danjdrummond@ hotmail.com
Public Service		
Refreshments	John Breckenridge, WB6FRZ	wb6frz@arrl.net
Repeater	Jack Christensen, K6ROW	K6ROW@sonic.net
Roster Editor	Bill Dornbush, KM6BYD	bill@dornbush.net
Volunteer Examiners	Brian Torr, N6IIY	n6iiy@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, KM6DVH	grecojava@gmail.com

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

Short Skip Advertising Rates

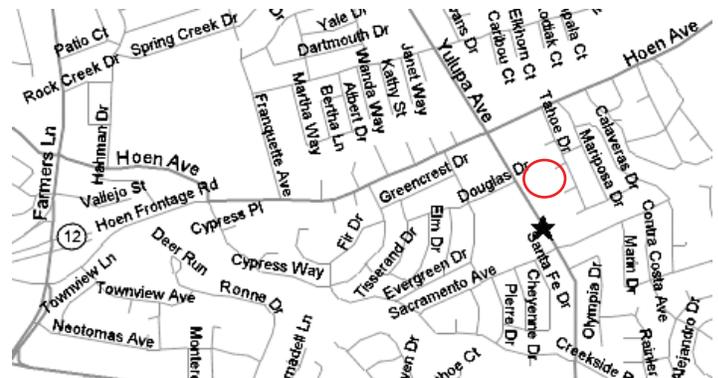|	
Business Cards	$12 per month
1st Quarter Column	$13 per month
Each Additional Quarter Column	$4 per month
Full page (one side)	$35 per month
Pre-printed inserts (each)	$35 per month

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 Dave W6IBC, SCRA Education Chair, at 707-838-8155 or w6ibc@arrl.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 Newsline, the amateur radio community news service.

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

10 Meter Net

There will be a net on 10 meters hosted by Joe K6AWA at 8:30pm (new time) following the regular SCRA net Tuesday nights. Set your dial to 28,402.00 SSB, USB. Please note that all license classes (including technician) are welcome.

Technician License Class

The next SCRA-sponsored Technician Licensing Class will be held on November 17-19, 2017 at the Graton Fire Protection District station on State Route 116 north of Sebastopol. Our classes have been very successful in training and licensing new hams. If you know of anyone who is interested in obtaining their Technician Class ham radio license, please have her/him contact Dave Harrison, W6IBC at w6ibc@arrl.com.

73, Dave W6IBC
SCRA Education/Mentoring Chair

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

Kids Net

Kids Net meets Thursdays at 7:30 pm on the Sonoma Mountain Repeater Society repeater at 146.910 MHz - PL 88.5 Petaluma.

Hosted by Ellen KJ6BHG and Joseph KJ6BHH for kids of all ages. It is focused on kids still in school, but all are welcome. They said to bring jokes to share.
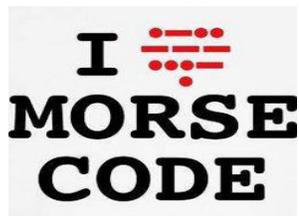
CW Net

The net will operate with a Net Control and a simple operating structure. Briefly, after opening the net and taking check-ins, Net Control will announce and send a short message to another participant via CW audio tones. After sending, a voice break will take place to assess the message content and then the receiving party will send a CW tone reply. Voice discussions will be alternated after sending to allow for discussion and feedback.

Those interested can also stick around after the formal net and rag chew to their hearts content. Oh what radio fun.

Anyone interested in the net or wanting more information can contact Duane Reese, N6DMR at email address N6DMR@dmreese.com or call at 717-271-2055, check that area code it is a Pennsylvania 717 number and not the local area code.

There is a written Net Control Script available and a brief description of the operating process that can be forwarded for review.
Duane
N6DMR

Next Exam Session:
Saturday, October 14, 9:00 am

Our next exam session is scheduled for Saturday, October 14, from 9:00 am until noon. The location will be the Bennett Valley Hall, 4145 Grange Road, Santa Rosa. Walk-ins will be accepted and all test elements will be administered.

(http://www.sonomacountyradioamateurs.com/ve_testing.html) .

Please arrive by 8:45am to be signed in. Testing will begin shortly thereafter.

Directions: From Hwy 101, take Highway 12 East to Farmers Lane. Turn right onto Farmers Lane and then left onto Bennett Valley Road. Stay on Bennett Valley Road approximately 4.1 miles and turn right onto Grange Road. Bennett Valley Hall is 0.5 miles from Bennett Valley Road on the right

Candidates should bring the following:
- One (1) photo ID or two (2) non-photo ID
- FCC Registration Number (FRN, if you have one) or Social Security Number (if you do not have an FRN) If you have had any FCC license assigned to you, amateur or otherwise, or had any prior business with the FCC, you probably have an FRN.
- Original and photocopy of your current amateur radio license (if licensed)
- Original and photocopy of any valid CSCEs (if applicable)
- #2 Pencil and eraser
- $15.00 exam fee. Checks may be made payable to "ARRL-VEC"

Calculators may be used, but it must be demonstrated that all memories and programs have been erased. The calculator function in a cell phone or PDA may not be used! If you have any special needs, please contact Brian Torr, N6IIY in advance.

Good Luck!

Brian Torr, N6IIY
n6iiy@arrl.net
(707) 575-5871

2017 SCHEDULE OF EVENTS

Check the Club website for details

Sat Oct 14 - VE Testing
Oct 16-20? School Roundup
Sat Oct 21 - Jamboree on the Air (JOTA)
Sat Oct 28 - North Bay Science Discovery Day
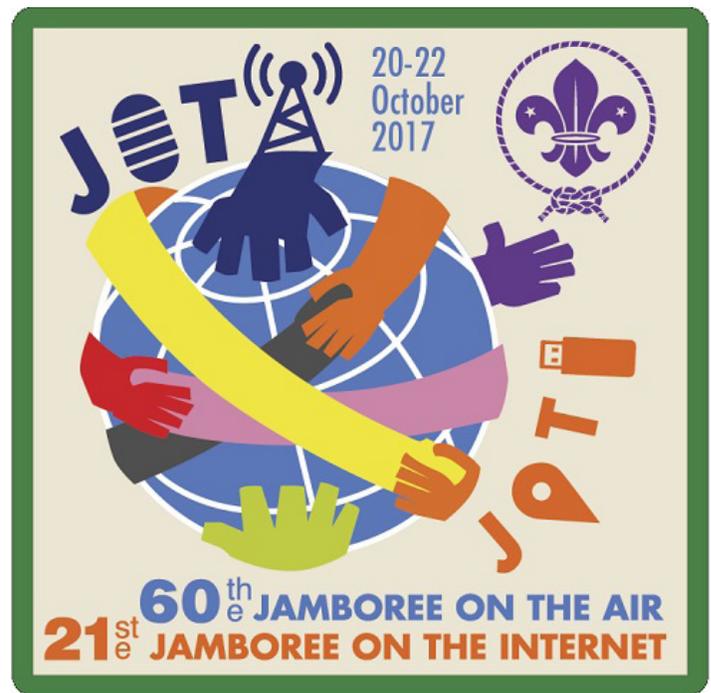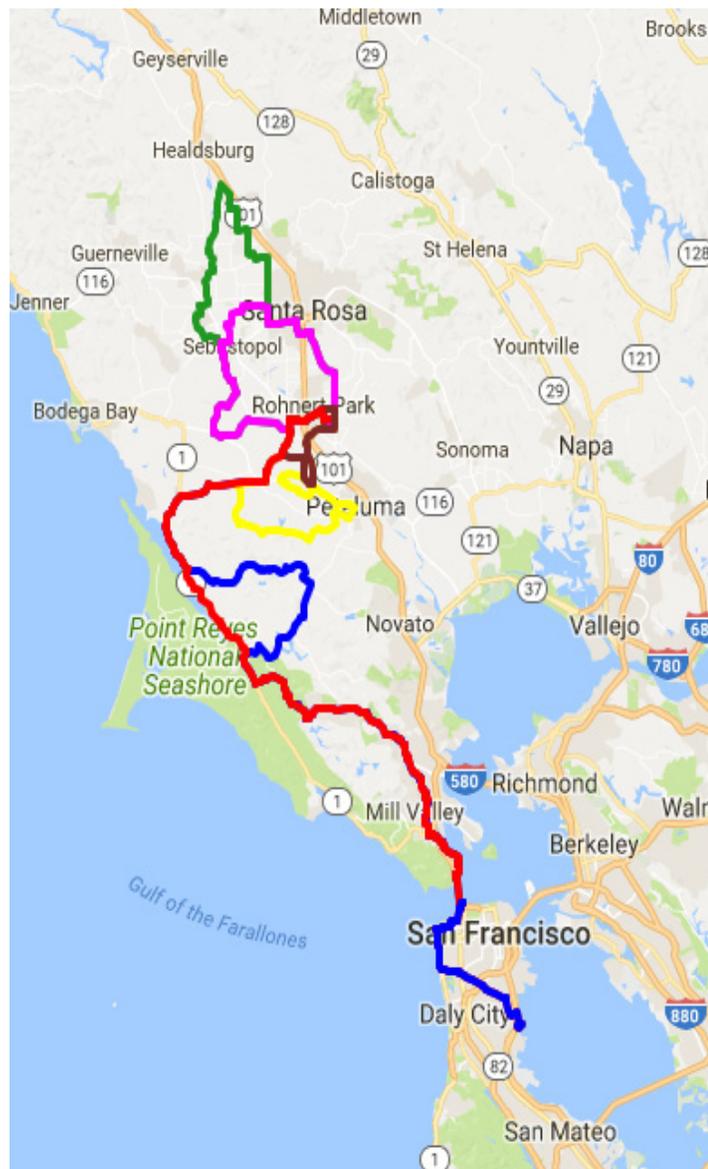Sat Oct 28 - Mendocino Rally (non-SCRA event)
F/S/S Nov 17-19 - Technician Licensing Class
Sat Dec 2 - VE Testing
Sat/Sun Jan 27/28, 2018 Winter Field Day?

...Waves to Wine continued from page 1.
The routes are mapped below. Day 1 starts in San Francisco for the 100 mile route. There are shorter routes for the less experienced ranging from 20 miles to 80 miles. --more--

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

The event takes place on the 3rd weekend in October. This year it starts the evening of Friday, Oct 20 and lasts until the afternoon of Sunday Oct 22.

The Rules can be found at http://jotajoti.info/jota-rules/

See http://jotajoti.info/jota-rules/ for more information and the frequencies to operate on.

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

Locally the Club will be working with the Boy Scouts to put on access points at a location to be determined on Saturday, Oct 21 from 9am to 4pm. Contact Dave Kraybill (dave@kraybill.org) for more info.

Turlock Amateur Radio Club
Fall Auction

Saturday October 14, 2017

Crossroads Church
1360 North Johnson Road, Turlock CA.
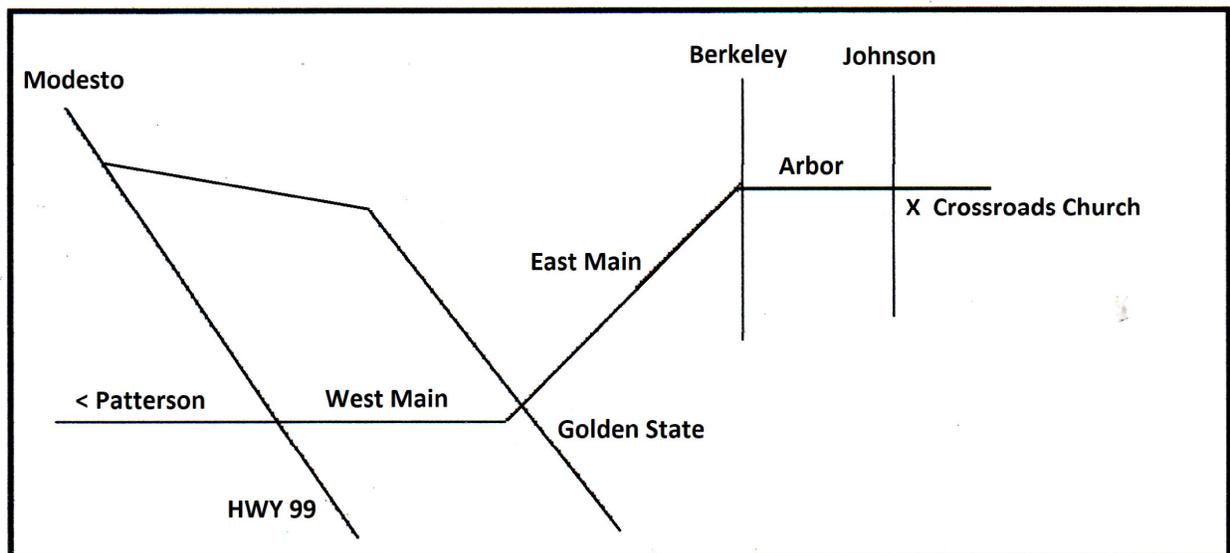### Doors Open 8:00 am — Auction Starts 9:00 am
Estates Plus many consigned Items
(Check Auction Tab www.w6bxn.org for updates)
Kurt's Famous BBQ Pull Pork & Chicken Sammiches
with Drink & all da Trimmins
Here's How ya get there

CONTEST CORNER by Kevin Alt, K6BSG

Hello contesters. Lots of interesting contests in October. If QRP strikes your interest, then check out the 4 states QRP contest on Oct 9. If working remote islands catches your fancy, then check out both Oceania DX contests on the second and third weekends of the month. Major contest of the month is, as always for October, the CQ worldwide DX contest on the last weekend of the month. Happy DX'ing!

1 Oct – **North American SSB Sprint** – SSB, 80-20 meters. See: **ssbsprint.com/rules**.

1 Oct – **UBA ON Contest** – SSB, 80 meters. See: **www.uba.be/en**.

1 Oct – **Peanut Power QRP** Sprint – CW/SSB, 40-15 meters. See: **www.nogaqrp.org**.

1-4 Oct – **Classic Exchange** – Phone, 160-2 meters. See: **www.classicexchange.org**.

2-8 Oct – **IQRP Quarterly Marathon** – All modes, all bands. See: **www.arimontebelluna.it**.

3 Oct – **ARS Spartan Sprint** – CW, 80-10 meters. See: **arsqrp.blogspot.com**.

3 Oct – **German Telegraphy Contest** – CW, 80-40 meters. See: **www.agcw.org/index.php/en**.

4 Oct – **432 MHz Fall Sprint** – All modes, 432 MHz. See: **svhfs.org**.

4 Oct – **UKEICC 80-Meter Contest** – SSB. See: **www.ukeicc.com**.

5 Oct – **SARL 80 Meter QSO Party** – SSB. See: **www.sarl.org.za**.

5 Oct – **NRAU 10 Meter Activity Contest** – All modes. See: **www.nrau.net**.

6-8 Oct – **YLRL DX/NA YL Anniversary Contest** – All modes, all bands. See: **ylrl.org**.

7 Oct – **Microwave Fall Sprint** – All modes, 902 MHz and up. See: **svhfs.org**.

7 Oct – **FISTS Fall Slow Speed Sprint** – CW, 80-10 meters. See: **fistsna.org**.

7-8 Oct – **ARRL EME Contest** – all modes, 50-1296 MHz. See: **www.arrl.org/eme-contest**.

7-8 Oct – **GTC CW Cup** – CW, 80-10 meters. See: **www.raag.org**.

7-8 Oct – **Oceania DX Phone Contest** – Phone, 160-10 meters. See: **www.oceaniadxcontest.com**.

7-8 Oct – **Russian WW Digital Contest** – Digital, 160-10 meters. See: **www.rdrclub.ru**.

7-8 Oct – **TRC DX Contest** – CW/SSB, 80-10 meters. See: **www.trcdx.org/trcdxc**.

7-8 Oct – **SKCC Weekend Sprintathon** – CW, 160-6 meters. See: **www.skccgroup.com**.

7-8 Oct – **International HELL Contest** – Digital, 80-40 meters. See: **www.darc.de/der-club/referate/ukw-funksport/hf-hell-wettbewerb/teilnahmebedingungen/**.

7-8 Oct – **California QSO Party** – CW/SSB, 160-10 meters. See: **www.cqp.org/Rules.html**.

7-8 Oct – **WAB HF Phone** – Phone, 20-10 meters. See: **wab.intermip.net**.

8 Oct – **RSGB DX Contest** – CW/SSB, 80-10 meters. See: **www.rsgbcc.org/hf**.

8 Oct – **UBA ON Contest** – CW, 80 meters. See: **www.uba.be/en**.

9 Oct – **4 States QRP Group Second Sunday Sprint** – CW/SSB, 160-10 meters. See: **www.4sqrp.com/SSS**.

9 Oct – **RSGB 80 Meter Autumn Series** – CW. See: **www.rsgbcc.org/hf**.

...Contest Corner continued from page 8

10 Oct – **10-10 Int. 10-10 Day Sprint** – All modes, 10 meters. See: www.ten-ten.org.

11 Oct – **NAQCC CW Sprint** – CW, 80-20 meters. See: naqcc.info.

14 Oct – **FISTS Fall Unlimited Sprint** – CW, 80-10 meters. See: www.fistsna.org.

14-15 Oct – **Makrothen RTTY Contest**, 80-10 meters. See: www.pl259.org/makrothen/.

14-15 Oct – **Oceania DX Contest** – CW, 160-10 meters. See: www.oceaniadxcontest.com.

14-15 Oct – **Scandinavian Activity Contest** – SSB, 80-10 meters. See: sactest.net/blog/rules.

14-15 Oct – **Pennsylvania QSO Party** – All modes, 160-2 meters. See: www.nittany-arc.net.

14-15 Oct – **Arizona QSO Party** – All modes, 160-2 meters. See: www.azqsoparty.org.

14-15 Oct – **PODXS 070 160 Meter Great Pumpkin Sprint** – digital, 160 meters. See: www.podxs070.com.

15 Oct – **Asia-Pacific Fall Sprint** – CW, 20-15 meters. See: jsfc.org/apsprint/aprule.txt.

16 Oct – **Run for the Bacon QRP Contest** – CW, 160-10 meters. See: qrpcontest.com/pigrun.

16-17 Oct – **Telephone Pioneers QSO Party** – All modes, 160-2 meters. See: www.tpqso.com.

16-20 Oct – **ARRL School Club Roundup** – CW/Phone, all bands. See: www.arrl.org/school-club-roundup.

18 Oct – **RSGB 80 Meter Autumn Series** – Digital. See: www.rsgbcc.org/hf.

20 Oct – **MCG Autumn Sprint** – CW/SSB, 160-40 meters. See: mcg-club.ru/index-eng.html.

21 Oct – **RCB XYL Test** – SSB, 80-10 meters. See: www.radioclubbergantinos.es.

21 Oct – **Feld Hell Sprint** – Digital, 160-6 meters. See: sites.google.com/site/feldhellclub.

21-22 Oct – **JARTS WW RTTY Contest** – 80-10 meters. See: jarts.jp/rules2017.html.

21-22 Oct – **10-10 Int Fall Contest** – CW, 10 meters. See: www.ten-ten.org.

21-22 Oct – **New York QSO Party** – All modes, all bands. See: www.nyqp.org.

21-22 Oct – **Worked All Germany Contest** – CW/SSB, 80-10 meters. See: darc.de/der-club/referate/ukw-funksport.

21-22 Oct – **Stew Perry Topband Challenge** – CW, 160 meters. See: www.kkn.net/stew.

21-22 Oct – **South Dakota QSO Party** – All modes, 160-2 meters. See: www.kb0wsw.com/SDQP.

22 Oct – **RSGB RoLo** – CW, 80 meters. See: www.rsgbcc.org/hf.

22-23 Oct – **Illinois QSO Party** – All modes, 160-2 meters. See: www.w9awe.org/ILQP.html.

25 Oct – **SKCC Sprint** – CW, 160-10 meters. See: www.skccgroup.com.

25 Oct – **UKEICC 80 Meter Contest** – CW. See: www.ukeicc.com.

26 Oct – **RSGB 80-Meter Autumn Series** – SSB. See: www.rsgbcc.org/hf.

28-29 Oct – **Araucaria VHF Contest** – CW/Phone, 6-2 meters. See: www.avhfc.com.

28-29 Oct – **CQ WW DX Contest** – SSB, 160-10 meters. See: www.cqww.com/rules.htm.

For additional contest calendars and resources check:
WA7BNM Contest Calendar
ARRL Contests Page

SONOMA COUNTY RADIO AMATEURS
CLUB
Membership Meeting Minutes
September 6, 2017

The September 6, 2017 regular Membership meeting of SCRA was called to order by President Iola Beckley KK6HRE at 7:00 PM.

A quorum of 54 members were present. After introduction of officers and directors, three new members, Jens KM6LSJ and his son Drake KM6LSK, and Gary KM6LSD, and guest Trudie KM6DYD were introduced.

Net Control Assignments for:

Sep 12 =	Eduardo Rodriguez KK6UVD
19 =	Darryl Paule KI6MSP
26 =	Brian Torr N6IIY
Oct 3 =	Gary Bachelor KM6CPU

ANNOUNCEMENTS, NEW CALLS, UPGRADES, LIES AND BRAGS -
Aaron KK6ZDB reports that SCRA received a donation from the Tour of the Organics for $400 and a $2,500 donation from the Santa Rosa Bicycling Club for our communications assistance with their bicycling events. Dave Kraybill received a compliment from Doug, KF6LMB, for an outstanding September 2017 Short Skip.

PROGRAM: Digital Voice Part I by Bill Dornbush KM6BYD, assisted by Martin KJ6BQM.
Digital Voice (DV) is used to communicate over the internet using a Digital FM Transmitter and Receiver. Radios such as Yaesu Fusion, APCO P25, DMR, dPMR, and DSTAR are engineered to provide similar link performance to the analog systems they are replacing. C4FM, SMSK, and QPSK based systems can be used for DV, however, none of these are interoperable one to another. The traditional analog radio has a 25kHz Channel Bandwith whereas the DMR Bandwidth is 12.5 kHz. Analog FM has one channel and one repeater whereas DMR (TDMA) has two channels and one repeater. 6.25 kHz FDMA Modes have a Guard Band as large as 10 kHz between channels for a total bandwidth of 22.5 kHz. DMR has no Guard Bands between two channels thus only having a total bandwidth of 12.5 kHz. DMR (TDMA) has longer battery life. For each hour of usage TDMA radios require between 19% and 34% less battery capacity than FDMA modes. This translates to 40% improvement in talk time in comparison with traditional FM analog radios. There is better RF range than analog particularly at the fringes of the coverage. This is true for all digital voice modes. Popular Yaesu FUSION Radios are Yaesu FT-2dr, FT-70dr, FTM-100, FTM-400 and DR1 Fusion Repeater. Hot Spots allow you to establish a local RF network "access point" wherever you have an internet connection. Equipment like a DV Access Point Dongle (DSTAR only) needs a Raspberry Pi. The Shark RF Open Spot (DSTAR, YSF, DMR) needs a wired internet, or Zum Spot (DSTAR, YSG, DMR, P25) needs a Raspberry Pi. FreeDV – Open Source uses your PC with the software and SM1000 – FreeDV adapter where no computer is required. It should be noted that you will have to register with DSTAR if you go beyond your local area. Additionally, the DSTAR system is only for licensed HAM radio operators. Part II Wide Area Networking will be presented in the future.

10-minute break started at 8:05PM. President Iola KK6HRE began the Business Meeting at 8:15pm. The minutes of the August 2017 minutes were approved on motion by Darryl KI6MSP, seconded by Mike, AD6YB

OFFICER AND CHAIRPERSONS REPORTS
Treasurer's report by Aaron KK6ZDB:
    Savings: $12,087.75
    Checking: $ 9,964.01
    PayPal: $ 344.47

    Total Accountability: $22,316.23

Community Outreach
Darryl KI6MSP, needs 2-3 more volunteers for the Levi Gran Fondo booth on Sep 30th.
Education
Dave W6IBC reported the next Technician class will be held on 11/17-19 at the Graton Fire Department.
VE Testing
Brian, N6IIY reported the next VE testing will be held during mid-October.

...Minutes continued from page 10

Minutes SCRA Board of Directors Meeting
September 13, 2017

Radio Loaner Program
Joe, K6AWA reported all radios are loaned out at this time. Could use a donation of another working HF radio.

Public Service
We need several volunteers for the MS Wave to Wine bicycle event scheduled for Sept 23rd and 24th.

Unfinished Business
Member of the Year Award – Applications need to be submitted by September 27, 2017.

New Business
1. Bylaw Changes – Suggestions for changes need to get to Iola, KK6HRE before September 27, 2017.
2. Nominating Committee - 3 more volunteers are needed for the committee.

With no further business, the meeting was adjourned at 8:33PM.

Respectfully Submitted,

Kathy Wells, K6KDW
Secretary

The September 2017 Board of Directors regular meeting was called to order by President Iola KK6HRE at 6:00 PM at IHOP restaurant, 2745 4th Street, Santa Rosa CA. SCRA Board members present included President Iola KK6HRE, Vice President Joe K6AWA, Director John KE5RI, Secretary Kathy K6KDW, Director Laura AG6PE and Past President Pat KG6JSL. Absent: Aaron KK6ZDB.
A quorum of Officers and Directors were present. Other SCRA members in attendance included Brian N6IIY, Charlie KZ6T, Mike AD6YB, Jeff KI6PBF, Darryl K6MSP, Dan KK6VIQ, Jack K6ROW, Fred AE6SF and Doug KF6LMB.

Minutes of the August 2017 Board Meeting were approved on motion by John KE5RI, and seconded by Pat KG6JSL. Motion passed.

Officer and Director Reports. Treasurer's Report. In the absence of Treasurer Aaron, President Iola KK6HRE reported there were no significant changes since last meeting.

Committee Reports and Business,
Activities Chair Laura AG6PE proposed a Brown Bag day to look at the Antenna Farm and Solar Power system at Joe's K6AWA home on Mt. Jackson. The timeframe would be in October. Details to follow.
Community Outreach Chair Darryl KI6MSP. He will be setting up a booth at Waves to Wine, Levi's Grand Fondo, and the Science Festival.
Public Service Committee still needs 1 two-meter HAM radio volunteer for the lunch stop for Waves to Wine.
Merchandise Chair Dan KK6VIQ reported he is not getting information on new members for badges. Pay Pal should send Dan a copy of the membership information.
Field Day Committee Chair Brian N6IIY indicated the post-Field Day report should be coming out this weekend. He is looking into holding a Winter Field Day. He would welcome any suggestions on locations.
Programs Chair John KE5R1 indicated the October 2017 SCRA Membership Meeting program will be a

...BoD Minutes continued from page 11

"Technical Q & A."
<u>Website Committee</u> Chair Dave KI6UGB can pick photos off of our Facebook page to put into our newsletter.
<u>Repeater Committee</u> Chair Jack K6ROW was asked what are the double beeps heard on the repeater. He stated that coverage was not quite as good.

Unfinished Business,
1. Charlie KZ6T will prepare a purchase $883 for 1,000 feet of coax cable used for Field Day Operations.
2. Charlie revisits plans for a 2-meter radio contest early next year.
3. The Member of the Year Committee has been finalized.
4. The Nominating Committee has been selected. The members are John KE5RI, Dan KK6VIQ, Cornell W6HMN, Jeff KI6PBF, Steve KK6VMZ, and Gary KM6CPU.

New Business
1. Bylaw Changes – President Iola KK6HRE provided the board and officers with suggested changes to the bylaws. A discussion was held. Comments on the changes need to be sent to Iola KK6HRE no later than September 26th.
2. DX Trip – John KE5RI had put his own money down in good faith to secure the site based upon the number of members stating they would attend. Unfortunately, some members did not attend and have not paid John. Joe K6AWA made the motion and seconded by Pat KG6JSL that John be reimbursed $130. John recused himself from the motion. Motion passed.
3. The Member of the Year Committee will contact Halls Awards to price out the cost of a trophy.
4.

With no further business, the meeting adjourned at 7:23 PM.

Respectfully submitted,
Kathy Wells K6KDW
Secretary

ARLS009 FalconSAT-3 Now Open for Amateur Radio Use
   submitted by Steve Bouchard

The Air Force Academy satellite FalconSAT-3 is now open for Amateur Radio use as a digital store-and-forward system. Built in 2005 and 2006 by cadets and faculty in the Space Systems Research Center at the US Air Force Academy in Colorado Springs, FalconSAT-3 was launched in 2007.

The satellite has completed its scientific and training missions, and the Academy now is making it available for Amateur Radio use. The Packet Bulletin Board System operates at 9600 baud with a 145.840 MHz uplink/435.103 MHz downlink. Output power is 1 W, and the downlink is continuously on. Digipeating is enabled for live QSOs, but unattended digipeating operation is not authorized at this time.

Additional information is available on the AMSAT website at, https://www.amsat.org/falconsat-3/ .

NEW TECHNICIAN QUESTION POOL
JULY 1, 2018

By Dave Harrison W6IBC

Every four years the Question Pool Committee revises the collection or "pool" of questions from which particular questions are extracted for a particular ham license examination. The current question pool for the Technician License expires on June 30, 2018, about nine months from now.

Rumors abound that the new question pool will be more difficult than the present pool of questions. So, Gordon West WB6NOA is suggesting we all urge potential hams to prepare for and obtain their licenses before July 1st, 2018. In his recent instructor newsletter, Fall 2017 edition, Gordon quotes the Chair of the Question Pool Committee, Larry Pollock, NB5X: "We're deleting questions on older technology and updating the pool with new questions on digital modes, FCC changes and more".

If you know of someone who wants to enter the exciting hobby of amateur radio, encourage them to consider our November 17-19, 2017 Technician License class. More information is available on the SCRA website. Click "classes" under the Events dropdown tab on the Home page.

Field Day 2017 Debrief Summary

Introduction:

The debrief session was held at Youth Community Park (the Field Day Site) on July 27, 2017 beginning at 10AM.

We reviewed the spreadsheet listing the various comments regarding Field Day. They were organized by Category (NI = Needs Improvement, Sug = Suggestions, and WW= Worked Well) and Area (i.e. Antenna Setup, Equipment, Operating, etc).

Several items were discussed in detail. As a result of these discussions, several suggestions as to how we could make improvements for next year made.

This summary will focus on those proposed changes for next year.

Proposed Changes for FD2018:

Enabling Use of Longer Guy Anchors

The ground was very soft this year, due to the heavy rains and recent heavy irrigation. The depth of the screw-in anchors for the crank-up tower could not be limited to 18" as required by our permit. We made some educated guesses as to where the irrigation pipes were so as to avoid them and allow us to go deeper than 18".

The suggested change for next year would be to see if we could obtain a layout of the irrigation pipes so we could more confidently assure ourselves and the City that no damage would be done by using anchors deeper than 18".

Antenna Setup

It was felt that having the TH-6 assembly area north of where the tower was being erected was inefficient since more time was wasted carrying the antenna parts, tools, and sawhorses further. This change had been made to accommodate setting up the solar array earlier on Friday evening.

However, if we move the solar array to where the VHF/UHF antennas were in 2017 (west of the tower), the TH-6 prep area can return to being located just south of the tower. The VHF/UHF antennas for 2018 can be set up to the east of the tower.

Station Layout

The CW station has for the last few years received a good deal of audio interference from the PIO tent. The CW station would like to be located further away from the PIO tent. For 2017, the stations in the lawn area, from west to east, were: VHF/UHF; GOTA, Digital, and CW.

The proposal for 2018 is for this sequence to be changed to: CW; Digital, GOTA, and VHF/UHF. Essentially, we are reversing the sequence. This also supports moving the solar array as mentioned under Antenna Setup above.

One of the reasons we originally wanted the CW station to be furthest east was because that would be one of the first stations a visitor would notice, and it was felt that the melodic CW tones would attract the curious. However, since the CW operators are typically wearing headphones, the sound of CW tones does not emanate from the station.

A related proposal would be to have each station equipped with a wireless transmitter to capture the audio (both sending and receiving) . The receiver would be at the PIO tent, where there would be a small PA system with audio mixer. The persons staffing the PIO tent could then periodically check the audio from each station, and give visitors a chance to hear each station's audio without actually having to visit each station.

Coax Cables

At FD2017, we had a few instances where the coax cables from the HF antennas to the stations were bad. As a minimum, we need to check the antennas at the end of the coax cables, near the antenna patch panel, to catch any bad coax cables early.

We should also check all coax cables well before FD2018. A proposal was made to purchase new coax cables to replace cable assemblies found to be defective.

...Debrief Summary continued from page 13

Computer Networking

For many years, we used the file-sharing method of networking the computers used for logging. This is not very straightforward to setup, and does not work well with non-Microsoft OS computers. At FD2017, we tried using TCP-IP networking instead, and it was much easier to configure. However, there were other technical issues we need to address:

1. The computer used as the server needs to be the fastest of all
2. The server ideally would not also be used for logging
3. The server should not be allowed to go to sleep and should be connected to a UPS.
4. The router should also be able to run independent of ac power.

In one respect the computer networking for FD2017 was too good. All logging computers were on the network. One of them, the logging computer for the GOTA station, should NOT have been on the network, since the GOTA station uses a different call sign.

Furthermore, the SSB station thought that all voice contacts logged were those being made solely by the SSB station. In fact, many of the contacts were contributed by the VHF/UHF and GOTA stations. As a result, the SSB station thought they made more contacts compared to 2016, when in fact they actually made fewer contacts than 2016.

Camping

A concern was expressed that very few (two?) people camped overnight Friday and Saturday night. There was a time when a good percentage of the Field Day participants camped out. Perhaps some members do not realize that camping is an option.

In the future, we should do more to encourage members to camp overnight (and perhaps do a little more operating in the wee hours of the morning).

Brian Torr, N6IIY
SCRA Field Day Chairman
N6iiy@arrl.net

Field Day 2017 Debrief

22-Jul-17

Item #	Category	Area	Comment	Contributor
18	NI	Antenna Setup	Ground too soft for screw anchors set at 45 deg angle [and less than 18" deep]. Resolved by scoping out the sprinklers and making assumptions about the irrigation line locations	Charlie, KZ6T
49	NI	Antenna Setup	TH-6 Prep area too far away; much time wasted hauling stuff further into the field, delaying time when TH-6 was ready	Doug, KF6LMB
66	Sug	Antenna Setup	Mast erection was complicated due to the overly watered grass. Perhaps the City of Santa Rosa can avoid watering the day (maybe two) before FD. This is a stretch and Idoubt they would support. That said, we got the tower up	Aaron, KK6ZDB
19	Sug	Antenna Setup	Optain plan of lawn irrigation system from City	Charlie, KZ6T
50	Sug	Antenna Setup	Move TH-6 prep area closer to Breadbox. This may mean that the EZ-Ups cannot be placed as soon or solar setup may be delayed	Doug, KF6LMB
68	WW	Antenna Setup	Most HF antennas were setup before 7pm; dipoles were exception	Brian, N6IIY
60	WW	Antenna Setup	The tower and TH6 seemed to go up without effort with crews whom had a plan and knew what they were doing. Bravo.	John, WB6FRZ
8	NI	Antennas	Dipoles not erected as soon as they should have been; largely due to no team leader	Brian, N6IIY
11	NI	Antennas	Need to assign a team to run antenna cables, and mark them appropriately	Brian, N6IIY
15	NI	Antennas	40m Inverted Half-Square resonant higher than expected	Brian, N6IIY
20	NI	Antennas	40m half-square did not work Saturday night for SSB. At different locations in the band, the transceivers's power meter reported between 5 and 100 watts out. Very few contacts were made on it as oposed to the CW station. Suspect bad feed line. (Public service feedline <on spool> was used on this antenna.)	Charlie, KZ6T
25	NI	Antennas	Satellite antennas heard only one satellite. Signal received was less than S1	Charlie, KZ6T
26	NI	Antennas	On 6m SSB: used 3-element Yagi made up of Buddipole parts. Tuned to 47ohms at 50.200 MHz. SWR was 1.2 Few contacts made. One to Santa Clara Valley where they were pulling in stations from Montana and Idaho	Charlie, KZ6T
63	NI	Antennas	The 80m dipole didn't go up as planned. I was swamped trying to set up my camping stuff inside the CW tent and copying the FD bulletin, etc. So I put up the antenna.	John, WB6FRZ

28	Sug	Antennas	Reconfigure SCRA's tracker to a beam mount configuration, + purchase two arrow antennas + 90deg phase line & switch. (This is a published project to the WRAPS project.) Or, itlize a member's satellite antenna tracking system	Charlie, KZ6T
67	Sug	Antennas	Later on Saturday afternoon on 40 meters, I could hear a number of stations operating from the LA and San Diego area, but being on the TH6 while it was pointed east, the chances of picking up a few more points was almost nil. Could it be possible to string up some style of wire antenna for 40m and up?	Jeff, KI6PBF
61	Sug	Antennas	It will be worth the time next time to sweep each antenna at the end of the coax connected to the distribution manifold. Misbeaving lengths of coaxial cable and open adapters are unwelcome visitors.	John, WB6FRZ
29	Sug	Antennas	6m antenna: Frank NQ6E, has a multi-element 6m beam to lend.	
57	WW	Antennas	The antenna scheme seemed to work quite well with less confusion and jockeying for the TH6 than in previous years.	John, WB6FRZ
37	Sug	Documentation	Have quick manual for radio available	Charlie, KZ6T
69	WW	Educational Activity	Educational activity was very well attended	Brian, N6IIY
62	WW	Educational Activity	I was overwhelmed by the 16 studesn whom showed up for the educational activity. Awesome! Eight raised their hands at the meeting and four signed up as students on-line. I needed more instructors but didn't plan for them.	John, WB6FRZ
51	NI	Environment	PIO tent activity, though not a lot, was distracting to the CW operators	John, WB6FRZ
64	NI	Environment	Only two of us were willing to spend the night Friday and Saturday - again. This is dismal of well over 100 members. I guess times have changed because EVERYBODY in the club doing field day used to camp out together; I miss those days.	John, WB6FRZ
52	Sug	Environment	Suggest keeping everything away from the CW tent next time	John, WB6FRZ
58	WW	Environment	The sprinklers did NOT come on. Thank you	John, WB6FRZ
59	WW	Environment	Putting an EZ-Up over the CW tent worked VERY nicely. It kept the sun from baking those inside the tent	John, WB6FRZ
2	NI	Equipment	Coax cables need to be replaced	Brian, N6IIY
10	NI	Equipment	40M CW Subband filter not used because it was marked "BAD" (it had been fixed, but "BAD" marking had not been removed).	Brian, N6IIY

31	NI	Equipment	The SSB transceiver (Yaesu 991) functions quite well as a rig used in standard comms and emergency sims (general FD concept) but not so well for hearing weak stations, or breaking throuhg a pileup which is needed for FD operations. It is all menu driven making it extremely difficult for operators to adjust	Charlie, KZ6T
21	Sug	Equipment	Test all public service feed line. Replace if found to be faulty	Charlie, KZ6T
33	Sug	Equipment	Consider using SCRA's new Kenwood for SSB station. Perhaps try it out in an upcoming contest.	Charlie, KZ6T
35	Sug	Equipment	Consider using headset with mic or phones & desk mic	Charlie, KZ6T
36	Sug	Equipment	Consider using pan-adapter to spot open areas of the band to call CQ	Charlie, KZ6T
39	Sug	Food	Consider Saturday lunch for stations captains. Perhaps just a coordinated sandwich run.	Charlie, KZ6T
56	WW	Food	Pizza on Friday night was appreciated. Unfortunately for me I didn't get any because I was copying the FD bulleting at the time the pizza cam.e When I emerged from the tent, it was gone; this is nobody's fault but my own. I did, however need to leave to get something to eat as I was counting on the pizza for dinner.	John, WB6FRZ
14	NI	Interference	There were times when a station would transmit, causing the logging program (as viewed on CW station's laptop) to "move" one station from 40m to 15m and then back again. Very weird!	Brian, N6IIY
9	NI	Logistics	Very few volunteers used on-line sign-ups	Brian, N6IIY
13	NI	Networking	GOTA station should not have been networked. As a result, SSB station thought those contacts made by GOTA station were made by SSB station, so SSB station did not make as many contacts as they did last year.	Brian, N6IIY
42	NI	Networking	Client computers temporarily loss network connectivity when the following events caused the laptop servier to go into hibernation or standby or power off: a. The server notebook was closed manually; b. The server notebook was locked (either manually or automatically); c. The server notebook screen saver activated	Fred, AE6SF
43	NI	Networking	The CW client computer twice received a message that the server was slow to respond. Data could not be logged during this short period, but reconnection was automatic. It is conjectured that the laptop server was tied up backing up its database (every 15 minutes) Dennis mentioned that the laptop was a slow computer.	

65	Sug	Networking	TCP setup for the software appearred to be the easiest method. It would be my suggestion that we continue to use this method on future FDs. Work out bugs in networking 1 month before event	Aaron, KK6ZDB
16	Sug	Networking		Charlie, KZ6T
44	Sug	Networking	Use TCP, do not use File Share. TCP connects Apple Macs as well as Windows machings to its network. Setup is faster and does not require giving out user names and passwords.	
45	Sug	Networking	Use the fastest computer as the network server, per N3FJP's recommendation. Set it to run 24/7. No standby, No auto-off, Battery-backed.	
46	Sug	Networking	Consider using battery-powered 12V stand-alone Wireless Access Point (WAP) and adding a wireless client connected to a phone's hotspot as needed for internet acess. A SAP will support more than the 5-client limit a cell phone hotspot has. This could allow others, such as the PIO booth, to watch the action.	
40	WW	Networking	N3FJP software using TCP worked well throghout the even, except for certain glitches identified below.	Fred, AE6SF
41	WW	Networking	Dennis (KI6REO's) Verizon Hotspot worked well providing the wireless acess point (WAP) function and providing internet access. It is limited to five clients	Fred, AE6SF
4	NI	Operating	Digital station only had one operator; need to get more operators involved	Brian, N6IIY
12	NI	Operating	SSB station did not keep log of operators; relied solely on computer logging. Computer logs only have initials of operators, not callsigns, so without an operator log, it is difficult to know who made what contacts	Brian, N6IIY
70	NI	Operating	GOTA station logging needs to be more accurate. Logging requirements for this station are more complicated than other stations, so this is not a new item.	Brian, N6IIY
23	NI	Operating	2m FM When making one contact to K6POS, he reported that his local buddies were 99% sure that no FD contacts were allowable on 2m FM. We clarified to him in that only repeater contacts are against the rules.	Charlie, KZ6T
24	NI	Operating	No Satellite contacts made. Operator was not familiar enough with the radio	Charlie, KZ6T
30	NI	Operating	It was WAY too noisy in the SSB trailer	Charlie, KZ6T
47	NI	Operating	GOTA station had one operator that wanted to get 20 contacts, which meant another person waiting to operate never got a chance	Doug, KF6LMB

54	NI	Operating	SSB station was inside the motor home (ed, trailer) all weekend long. Being outside during the day would have made it more accessibel to those whome may have wanted to operate. I would have been reluctant to even ask to operate the SSB station being where it was.	John, WB6FRZ
17	Sug	Operating	Train loggers how to log. Operators need to know IMMEDIATELY if the station they are trying to contact is a dupe (i.e. take the paper and pen away from the logger)	Charlie, KZ6T
27	Sug	Operating	Educate the local ham community that they may participate in FD using 2m FM	Charlie, KZ6T
32	Sug	Operating	Take a lesson from the CW tent; Post "SILENT" sign	Charlie, KZ6T
34	Sug	Operating	Setup SSB rig to utilize voice recorder (CQ CQ CQ de K6SON FD)	Charlie, KZ6T
48	Sug	Operating	If there are persons waiting to operate, ask the current operator to give way, and perhaps come back later if they want to make more contacts	Doug, KF6LMB
22	WW	Operating	2m Winlink. Passed message to ARRL section manager + over 10 messages sent via RF (200 bonus points)	Charlie, KZ6T
55	WW	Operating	The ARRL bulletin was copied via CW as planned without incident. We had it by 7:30am Saturday. Thanks for the use of your antenna (ed, the 20m portable loop) - again!	John, WB6FRZ
7	NI	PIO	No Tour Guides. Many visitors just seemed to roam around. Perhaps a sign on PIO tent saying "Tours start here!"	Brian, N6IIY
38	NI	PIO	VHF/UHF did not have any docent-toured visitors. (had a few ad-hoc). Did PIO give any tours? If so, what is the format?	Charlie, KZ6T
5	NI	Services	Tech Bench not setup or staffed. I think this was just because others were too busy doing other things	Brian, N6IIY
53	NI	Setup	Club banner fell several times; need to better secure	John, WB6FRZ
1	NI	Signage	Burma Shave signs too close together and printing too small. Fulton Rd has wide shoulders, making it difficult for smaller signs to be noticed	Brian, N6IIY
3	NI	Station Setup	SSB Station was indoors the entire time; should be outside during daylight hours	Brian, N6IIY

Anybody Up for Winter Field Day???
January 27/28, 2018

It seems like I'm only now putting away the last of the gear from Field Day 2017. But right around the corner is another opportunity to get outside and play radio… Winter Field Day! It is always the fourth full weekend in January, so for 2018 that will be the weekend of January 27 and January 28. Like ARRL Field Day (FD), operating begins 11am PST on Saturday and runs until 11am PST on Sunday.

Winter Field Day has a lot in common with FD, but with more of a focus on making contacts in emergency-like conditions than the "promotional" aspects of ham radio.

Winter Field Day, or WFD, does not have as many opportunities for bonus points, but whereas the typical number of bonus points for FD is 100, the typical bonus points for WFD is 1500.. There are also fewer classes and categories for WFD compared to FD.

If you would like to know a little more about what WFD entails, I encourage you to visit the Winter Field Day Association's website at https://www.winterfieldday.com/

I would like to hear from all those of you out there that would be interested in participating in Winter Field Day this coming January.

If there is sufficient interest, we need to identify where we will do WFD. Because it is in January, the changes for inclement weather are much greater they are for FD, so please take that into consideration, especially if we elect to operate during the entire 24 hours of WFD.

So, please let me know the following:
1. Are you interested in participating in Winter Field Day?
2. Do you know of a location that might be suitable for a Winter Field Day event?

Thanks & 73,
Brian Torr, N6IIY
N6iiy@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.
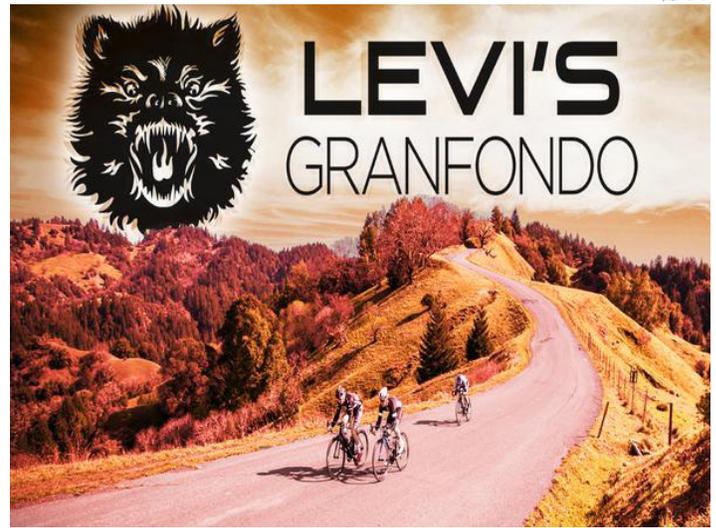
Mendocino Rally Returns

The Mendocino Rally will be back for 2017. The Mendo Rally Group is putting on a smaller event making it a low-key, one-day event. The rally has been moved out of the heat of summer, and will be on Saturday, October 28, 2017.

This year the event will be held entirely in South Cow Mountain OHV Park near Ukiah. In addition to the normal rally cars, the rally will be hosting a group of Side-by-Side UTV's racer's. Don't know what that is. Please go to http://mendocinorally.com/.

The Mendocino Rally is not a SCRA event. The rally does however need ham radio volunteers in order for it to take place. The rally organizers are seeking to have about 15 ham radio operators help make this event a success. If you have volunteered in the past, great. I hope you do so again this year.

To volunteer please go to the volunteer page at the Mendo Rally web site, http://mendocinorally.com/. You can also contact Jim Draeger, KI6REK at jimdraeger5@gmail.com for more information. Thanks, hope I see you at the rally.
Jim, KI6REK
707-480-9751

Cornell W6HMB, Darryl KI6MSP
Radio demo @ Gran Fondo
An excert from this years Gran Fondo riders guide.

HAM Radio Communication

There is no possible means by which we would be able to coordinate this many resources all at once if it weren't for the technological capabilities of amateur radio. Often referred to as "HAMs", these amateur radio operators are truly our biggest ears on everything that's going on during the ride. They coordinate all SAG drivers and moto support, and have a direct line of communication with all emergency personnel in our event.

We joke that you can't start a rumor during Levi's GranFondo without HAM net-control finding out. And we make damn sure to donate generously to Sonoma County's Radio Amateurs every year. When true disasters strike, such as an earthquake, fire or flood event, these are the people we will depend on.

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

                                                    Total: $_____

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

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