



CLUB STATION
W6LFJ

Short Skip

The Newsletter of
Sonoma County Radio Amateurs, Inc.

P.O. Box 116, Santa Rosa, CA 95402-0116 707-579-9608

<http://www.sonomacountyradioamateurs.com>

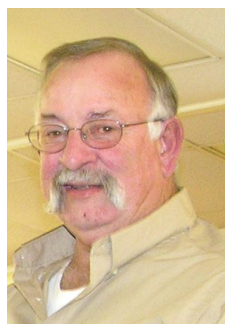
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REPEATER STATION
W6SON

VOLUME 35 NUMBER 9

SEPTEMBER 2010



PRESIDENT'S MESSAGE

by Dave Santori, KF6CLG
SCRA President

I would like to thank all that
helped out at the PCAM Wings

Over Wine this past weekend.

Even though we tried, our special event station K6J
was unable to make any contacts. Check out the pic-
tures in this edition of the Short Skip or on the SCRA
website at www.sonomacountyradioamateurs.com.

We have at least two remaining Public Service
Events left this year: Waves to Wine on September
25 and Levi Leipheimer's King Ridge Grand Fondo
on October 9. Feel free to contact Craig K6XLT at
k6xlt@sonic.net for more details or to volunteer.

Our annual SCRA club picnic will be September 11
this year. Come join us for some good interaction
with club members and family.

Club Picnic Saturday September 11th

The SCRA annual picnic, now known as the Robert C.
McQuilkin Memorial Picnic, will be held at Howarth
Park, Cypress Point picnic area. Cypress Point is next
to the boat launch ramp. The picnic will kick off about
10:00 am, and go until 3:00 pm. There will be a Fox
Hunt, so bring your hunting rig.

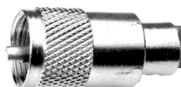
The board voted to make this year's picnic pot luck, so
please keep in mind what kind of dish you want to
bring. The club will be supplying the meat. We have a
good budget to work with so I think along with the usu-
al hamburgers and hot dogs we will also be having
salmon, tri-tip, and chicken. We are going to need
some volunteers to help make the picnic a success. Are-
as most needing help are setup, cleanup, and pot luck
dish coordinator. I will be working out of town the
week before the picnic. It is very imported that mem-
bers step forward to help out to make this event come
together.

Picnic Chair Person
Jim Draeger, KI6REK
Home 576-1058, Cell 480-9751
jim@draegerdesigns.com

September 1, 2010

**Meeting Announcement: Come join
us for a presentation on Repeaters.**

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2010 Club Officers

President	Dave Santori	KF6CLG	585-1873
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Secretary	Evelyn Chavez	KI6PAY	
Treasurer	Jack Christensen	K6ROW	
Director	Mike Von der Porten	AD6YB	
Director	John Chavez	KG6PEP	
Past President	Dave Harrison	W6IBC	

Committee Lineup / Contacts

Membership	Mike Von der Porten	AD6YB	
Program	Darryl Paule	KI6MSP	
EmComm	Rich Freitas	KF6SZA	
Field Day	Brian Torr	N6IYY	575-5871
Activity	Dave Santori	KF6CLG	585-1873
Public Service	Craig Gaever	K6XLT	545-4133
Mentoring	John Breckenridge	WB6FRZ	217-1017
Repeater	John Felton	KE5RI	
Volunteer Exam			
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Antenna Ordinance-Legal	Lee Dibble	KE6EAQ	544-1675
Public Relations	Bill McCall	W6WDM	538-2844
Public Relations	Jeff Basham	KK6JAB	291-7355
Refreshments	Jim Draeger	KI6REK	
ARRL DXCC/WAS Manager	Chuck Ternes	N6OJ	763-2528
Club Raffle			
Member Badges	Ken Rawles	N6PWW	

Short Skip & Web Staff

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Webmaster	Bob Arthur	KG6ZDN	

SCRA Hotline	707 579-9608
SCRA E-Mail	scra@sonomacountyradioamateurs.com
SCRA Web Site	http://www.sonomacountyradioamateurs.com

Tuesday Night Net

Remember to check in to the SCRA net each **Tuesday** evening on the **147.315+(PL 88.5)** repeater at **7:00 PM**. Announcements are made of upcoming SCRA and other amateur radio activities in the area. You will also hear the weekly *Amateur Radio Newsline* broadcast.

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

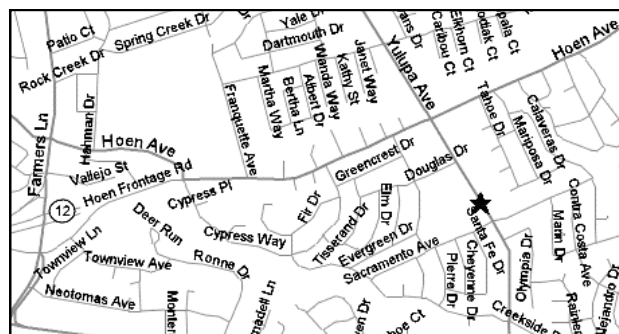
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**SCRA Club Meetings**

The club normally meets the first Wednesday of each Month. Exceptions are holidays or other big events.

Next meeting is 7:00 PM Wednesday, September 1st at:

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 may be eligible for membership. A membership application is included in this newsletter.

For more information, contact any SCRA officer, director or member.

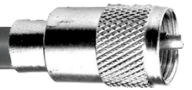
Hungry before the meeting?

Join us for dinner! We meet at Coco's restaurant, 1501 Farmers Lane (corner of Farmers & Hwy 12), Santa Rosa. People start showing up at 5:30 PM. No RSVP is required.

See you there every month except December.

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 these web-sites:

<http://www.arrl.org/sections/?sect=SF>
<http://www.pdarrrl.org/sfsec/>



SCRA Club Minuets August 4th 2010

Called to order at 1900

Home brew and boat anchor night was the program.

New feature of meeting was tech talk. This is an opportunity to get some questions answered by club members. There were a lot of good questions.

Business meeting:

Dave W6IBC made a motion to approve the minutes. Jim KI6REK seconded the motion. Minutes approved from July meeting.

Jack K6ROW made a treasures report. The laptop wasn't working to present the information on the projection screen. Report is available to any club member to look at.

John KE5RI made a repeater report. John is still working on an ongoing noise problem.

John WB6FRZ reported that the General and Extra classes are complete. Next Class is Technician on October 22-24

Also COPE at Vista del Lago:

Vista Del Lago is a planed unit development (PUD). They are in process of developing COPE evacuation teams. WB6FRZ and KI6MSP went to do a demonstration on amateur radio and its use in disaster communications.

There was also the opportunity for those wanting to sign up for the next technician class to get licensed to be part of the communications team.

Craig K6XLT reported that there a few public service events:

Waves to Wine September 25th
Gran Fondo October 9th

Pat KJ6GSL reported on the PCAM Air Show for the weekend of August 22-23

SCRA is a special event station K6J for the air show. Radio operators are needed

Rich KF6SZA reported that there is an ARES shake out drill up coming. More information will be available on the weekly ARES net.

September 20th is the next ARES training is on ICS 101. This will be at the Red Cross building on Areo drive. This is a shortened version of the FEMA online course.

Jim KI6REK reported on the club picnic for September 11. Jim still needs help with set up and clean up.

Brian N6IIY reported on the next upcoming VE session for October

Dave W6IBC reported on the upcoming JOTA and Pacificon.

Meeting adjourned at 2120

Submitted by Darryl

KI6MSP

Acting Secretary

BADGES

I will be on vacation for the September meeting. Please email Me if you need me to order you a badge . I have to hold off on ordering new badges until I can get at least 2 more new badge orders . Have a great time on the air!

Ken N6PWV



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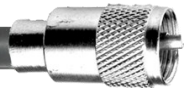
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707-585-7344





Public Service Roundup

With no public service action in August, there isn't much to report. I'm sure you'll be able to read a report on PCAM from Pat, KG6JSL, elsewhere in the newsletter.

Again, the upcoming and final events for the year are Waves to Wine, September 25-26, followed in two weeks by Levi's Gran Fondo. For Waves to Wine, the course is unchanged from last year. It does appear that they are expecting more riders than last year so look to be busy as usual. Saturday the event will start in San Francisco and finish in Rohnert Park. Sunday will start at Rohnert Park and finish at Warm Springs Dam. Many folks have signed up for Saturday but I still have some big holes to fill on Sunday. And as in previous years we will be operating on the Marin system for most of Saturday.

The Gran Fondo, on October 9, will be even bigger this year with some 6000 riders signed up. I've already been to a few planning meetings and it will be an interesting event. Operations will be very similar to last year with an Incident Command being set up at the Occidental fire station and NC at Finley. We learned a few things last year and W6IBC has provided some insight into how to make it a little better. Once again the needs are for

NC, rests stops and SAGs.

As always we welcome new hams to participate – feel free to join in the fun!

Craig
Public Service Wrangler
k6xlt



*PCAM Wings Over Wine Country Picture. (l-r) Brian N6IYY, Dave KF6CLG, Waldon WINGD and Pat KG6JSL (Activity Coordinator).
(Photo Courtesy of Dave W6IBC.)*



*(Navy FA18 at PCAM Wings Over Wine Country)
Photo courtesy of Pat KG6JSL.*



*C17 Globemaster III at PCAM Wings Over Wine Country)
Photo courtesy of Pat KG6JSL.*



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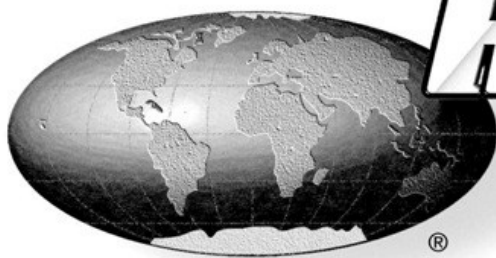
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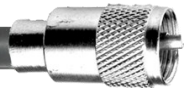
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Minutes of the SCRA Board Meeting 7/14/2010

Dave	KF6CLG	Darryl	KI6MSP
Dave	W6IBC	Jack	K6ROW
Eveyn	KI6PAY	John	WB6FRZ
John	KE5RI	Brian	N6IYY
Pat	KG6JSL	Jim	K6HKY

Mike AD6YB and John KG6PEP were not present.

The meeting was called to order at 6 P.M.

The minutes from the June BOD meeting were approved as corrected on a motion by Darryl and Dave W6IBC.

Darryl reported that he and John KE5RI will do a powerpoint presentation on the repeater sites. Dave W6IBC suggested taking a camera to the sites and doing a movie.

Jack had no change in the treasury. He presented an updated budget. He also brought a file of papers and pictures that should be in the secretary's box.

Dave W6IBC reported that Penngrove went well with a good crew and set up. He suggested that such events would be easier with a trailer to house the equipment that could be pulled to the site. He has room to store 1 EZup. He also has excess equipment. Pat would like to buy 1 of 2 battery boxes and Dave was authorized to donate 1 old pan to charity. Jack will recycle 2 old batteries.

John WB6FRZ reported that the new test questions are harder. Seven took the last test and four passed. He will send the study guides out earlier and make changes in his classes.

Jim K6HKY is limited in the time available to chair the Robert C. McQuillkin annual picnic, but will secure the site early with a BBQ and tables. Dave W6IBC and Darryl moved to hold it on September 11 at Howarth Park. John KE5RI suggested that the budgetted amount of \$235.00 cover hamburgers and hot dogs and everythingelse could be potluck. The date and place were approved.

New Business

It was suggested that more could be done with the website. Ideas and pictures can be sent to Bob Arthur and copied to Dave KF6CLG. Dave also wants more pictures of Field Day for Short Skip.

John WB6FRZ reminded us to make time for technical questions at the general meeting.

Brian reported that Field Day went well, but we needed more operators, especially CW. Brian reported that he may not be able to chair this event next year.

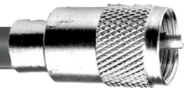
John WB6FRZ requested that we check some of the older coax used at Field day and scrap non-functioning ones. Brian has tested and will again.

Pat will list assignments for PCAM at the next meeting. Our space will be in the dirt near the Kaiser hangar. Pat has requested tables and chairs.

The meeting was adjourned at approximately 8P.M.

Respectfully submitted,
Evelyn
KI6PAY





Amateur Radio Quiz: Amateur Archaeology

08/14/2010

Times change and so does terminology. Some of the old terms were quite colorful and convey a sense of hands-on adventure in those early days of experimentation. You may not consider today's language as evocative, but just wait a few decades to see what future generations think!

1) Which type of component was referred to as a “grid leak”?

- a. Capacitor
- b. Resistor
- c. Inductor
- d. This referred to a gassy vacuum tube

2) If you used a “basket weave” style in construction, what did you construct?

- a. Transmission line
- b. Coil
- c. Headphone covers
- d. Detector

3) What function was performed by a “slop jar”?

- a. Rectification
- b. Modulation
- c. Storing charge from a grid-leak
- d. Filtration

4.) What was the earliest type of condenser?

- a. Tesla coil
- b. Rheostat
- c. Leyden jar
- d. Voltaic pile

5) What part of early stations was often constructed as a “cage”?

- a. Transmitter shield
- b. Antenna

- c. Entire shack
- d. Power supply

6) A “getter” performed what function?

- a. Tuning tool
- b. Gas adsorption
- c. Filament rejuvenation
- d. Connections to open-wire transmission line

7) What construction technique was (and still is!) called a “Western Union”?

- a. Rack-and-panel enclosures
- b. Breadboard and Fahnestock clips
- c. Point-to-point
- d. Wire splicing

8) What does “TRF” stand for?

- a. Tuned Receive Feedback
- b. Tuner-Rig-Feeder
- c. Tuned Radio Frequency
- d. Transmit-Receive Feeder

9) What type of equipment was referred to as a “rush box”?

- a. Receiver
- b. Transmitter
- c. Amplifier
- d. Modulator

10) Which of these is *not* a type of oscillator circuit?

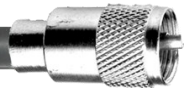
- a. Hartley
- b. Colpitts
- c. Lorentz
- d. Meissner

Bonus -- What did a “tickler coil” tickle?

Article courtesy of www.arrl.org

Answers on page 9





PCAM Wings Over Wine Country - SCRA Club Station - Special Event Call K6J. *Photo courtesy of Pat KG6JSL.*

PCAM - Wings Over Wine Country 2010

The SCRA established its Special Event "shack" at the Pacific Coast Air Museum 2010 air show. We provided ham radio and Club literature to the public as well as having having loud speakers for the Air Boss and airport information frequencies from the Icom 8500 communications receiver. We established our special event station, K6J, with an Icom 746Pro and Brian's, N6IYY 20 meter loop antenna. Unfortunately, band conditions were poor, to say the least, and there were few contacts. Our furthestest contact was Hawaii during a band opening on Sunday morning. The Toaster was used for transportation and storage of equipment. The Air Show is always a fun event, and a good time was had by all. Thanks to Brian, N6IYY, Waldon, W6NGD, Darryl, KI6MSP, Jim, KI6REK, Dave Santori, KF6CLG, Dave Harrison, W6IBC, Ed Slingmand, N2WD, Greg, K6SRO, John, KE5RI, Don, WE4MOO, Sutter, KI6ZON, for providing equipment and staffing of our "shack."

Thanks,
Pat Coyle KG6JSL

Check for more pictures on the website:
www.sonomacountyradioamateurs.com

VE Sessions

Our next VE exams are scheduled for Saturday, October 2, from 9am until noon, at the Blood Bank of the Redwoods, 2324 Bethards Dr. in Santa Rosa. All test elements will be administered. Please arrive by 9:15am to be signed in. Testing will begin shortly thereafter.

Directions: From Hwy 101, take Hwy 12 east toward Sonoma. Turn right onto Farmers Lane. Turn left onto Bennet Valley Road. Turn left on Bethards Drive. Please park on the street (parking lot is for blood donors).

Candidates should bring the following:

- One (1) photo ID or two (2) non-photo ID
- Social Security Number (if not currently licensed) or FCC Registration Number (FRN, if licensed)
- 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, N6IYY in advance.

Good Luck!

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



C17 Globemaster III at PCAM Wings Over Wine Country) *Photo courtesy of Pat KG6JSL.*





Answers to questions - Amateur Radio Quiz: Amateur Archaeology

- 1) b -- Grid current through the resistor developed a self-biasing voltage.
- 2) b -- The basket-weave style minimized inter-turn capacitance.
- 3) a -- Early rectifiers used a somewhat-caustic electrolytic solution (the "slop") in glass jars.
- 4) c -- A Leyden jar is a simple capacitor that stores a sizeable amount of charge at high voltage!
- 5) b -- A cage antenna consists of several parallel wires in a circular arrangement.
- 6) b -- The getter was an unpowered vacuum tube element that captured unwanted gas molecules.
- 7) d -- The telegraph system's standard splicing technique.

8) c -- The TRF receiver required each amplifying stage to be tuned separately.

9) a -- The rushing sound from a regenerative receiver on the edge of oscillation gave it the name.

10) c -- All the others are different oscillator configurations.

Bonus -- In a regenerative receiver stage, a carefully adjusted tickler coil coupled some of the output signal back to the input, "tickling" it into near oscillation.

From the Editor:

Questions? Comments? If you have any news, photos or any other interesting information that relates to Amateur Radio, please feel free to send submissions to af6oe@arrl.net.

Sonoma County Radio Amateurs, Inc. Membership Application

Please Print Clearly

New ☐ Renewal ☐

Name _____ Call Sign _____ License Class _____ Date _____

Address _____ H Phone _____ W Phone _____

City/State _____ Zip _____ E-Mail _____

ARRL Member? Yes ☐ No ☐

Receive Short Skip Newsletter by E-mail: Yes ___ No ___

Dues & Fees: March 1 - February 28

Individual / Associate Member	\$24 (\$6.00/qtr)
Family Membership	\$36 (\$9.00/qtr)
Under 18 Membership	\$18 (\$3.00/qtr)
Badge	\$10

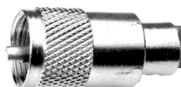
Badge Information

Call Sign _____
First Name _____
City _____

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Dues - Full Year	\$ _____
Dues -	
Prorated _____ Qtrs. x \$ _____/qtr	\$ _____
Badge	\$ _____
Other - _____	\$ _____
Donation	\$ _____
Total	\$ _____

Mail to: SCRA, P.O. Box 1116, Santa Rosa, CA 95402



Tentative Programs for 2010:

September: Repeaters

Tentative 2010 Club Activities:

September 25-26: MS Waves to Wine

October 9: Levi Leipheimer's Gran Fondo

October 16-17: "Jamboree on the Air"

October 15-17: ARRL Division Convention - Pacificon

December 3: SCRA Holiday Party

**Sonoma County Radio Amateurs, Inc.
P.O. Box 116
Santa Rosa, California
95402-0116**

Return Service Requested