



CLUB STATION
K6SON

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 40, Number 11

November 2015

PRESIDENT'S MESSAGE, NOVEMBER 2015



The November meeting is the Club's official Annual Meeting. This month we will have election of officers and directors, as well as setting annual dues, for the next year. This important meeting will set the tone of the Club for the coming year and all members should attend this meeting. The Nominating Committee is chaired by Dave, W6IBC. That

committee is recruiting nominees for all offices. In addition, nominations will be sought from the membership at the meeting. Anyone interested in running for office should contact Dave at w6ibc@arrl.net Serving the Club as an officer or director is highly satisfying and essential to keeping the Club operating. New people with new ideas are always needed to keep the Club current and relevant.

Following the election Brian, N6IYY, will have his annual game show contest which is always fun, challenging, informative and entertaining. He tells us he has created a new game this year that will increase participation and the fun of radio.

The Education Committee, chaired by Dave, W6IBC, will be conducting the last study class of this year for the Technician Class license on the weekend of November 21-22, followed by Brian, N6IYY, and his crew of Volunteer Examiners administering the test. This series of classes over the year has been a real success in bringing more hams into the hobby and the Club. If you know anyone interested in amateur radio, have them contact Dave at w6ibc@arrl.net to get signed up and receive the study material.

Upcoming in December is our annual Holiday Party on December 3. Besides food and drink we will have a photo review of the year, awards, raffles and prizes. Make plans now to attend on the evening of December. We will have more details at the Club meeting and in the Blog through November as things firm up.

And here's wishing all a safe and enjoyable Thanksgiving. --- Pat, KG6JSL

NOVEMBER MEETING PROGRAM

SCRA Game Night - How Did They Do That??

As is traditional, November is SCRA Game Night. And this year we have a new game, How Did They Do That? It is a test of logical thinking and simple circuit design.

We will divide into teams of five or six, each team with at least one of Tech, General, and Extra class hams. There will be several "black boxes" (actual color may vary) that will perform a certain function or exhibit certain behavior.

Each team's challenge is to determine what might be inside the box that would explain its function or behavior.

A few will be easy. The more challenging ones will build upon what you learned from the easy ones. Remember to work as a team.

It is the ability of hams to work together to solve a problem that elevates the combined knowledge of all hams. And it is not always the most experienced ham in the group that will have that critical "Aha!" moment.

Come stimulate those brain cells, learn something, and have a bit of fun!

Hope to see you there!
Brian Torr, N6IYY

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



2015 Club Officers

President	Patrick Coyle coylaw@sonic.net	KG6JSL
Vice President	Brian Torr	N6IYY
Treasurer	Mike Von der Porten	AD6YB
Secretary	Iola Beckley	KK6HRE
Director	Joe Fortuna	K6AWA
	Jeff Tonelli	KI6PBF
Past President	Charlie Sikes	KZ6T

Committee Lineup/Contacts

Activities	Darryl Paule, KI6MSP	ki6msp@arrl.net
ARES Liaison	Brian Torr, N6IYY	n6iyy@arrl.net
DX/Contest	Kevin Alt, K6BSG	kalt@ieee.org
Education	Dave Harrison, W6IBC	w6ibc@arrl.net
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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 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

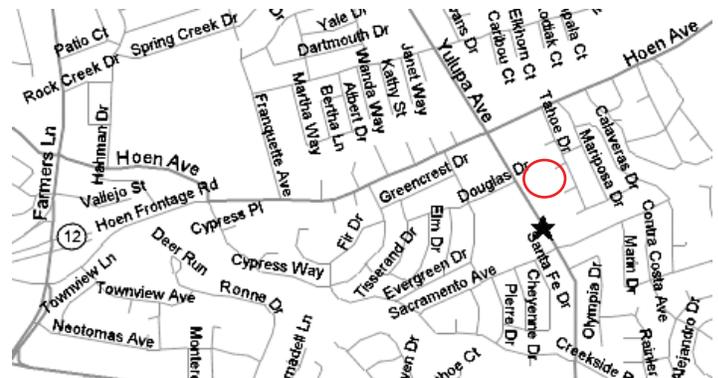
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SCRA Club Meetings

The club normally meets the first Wednesday of each month 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 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 IHOP restaurant, 4th and Farmers Lane, Santa Rosa. People start showing up at 5:15 PM. No RSVP is required.

Board of Directors Meeting

Second Wednesday of the month, 6:00 PM at
 IHOP Restaurant
 2745 4th Street
 Flamingo One Stop Shopping Center
 Santa Rosa, CA 95405
 No Host Dinner begins at 5:30 PM.

Committee Meetings

Meetings are TBA this month.
 Check SCRA blogs for announcements.



SCRA LOANER RADIOS

SCRA has a Yeasu 2900 VHF radio available for use by members as a loaner. Contact Charlie, KZ6T, at charliesikes@me.com

EMERGENCY VESTS

Anyone wanting an emergency vest with name and call sign contact Wells, KK6EXC, at sylvan1hills@gmail.com

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.

CONTEST CORNER by Kevin Alt, K6BSG

Hello testers. Three major contests this month with both ARRL Sweepstakes and the CQ WW contest all being held. There is also the Japan International DX phone contest mid month. Have a great Thanksgiving and happy DX'ing!

1 Nov – High Speed Club CW Contest – CW, 80-10 meters See: www.highspeedclub.org.

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

4 Nov – UKEICC 80 Meter Contest – SSB, 80 meters. See: www.ukeicc.com.

5 Nov – NRAU 10 Meter Activity Contest – All modes. See: www.nrau.net/activity-contests.

7 Nov – IPARC Contest – CW, 80-10 meters. See: www.iparc.de.

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

7-8 Nov – Ukrainian DX Contest – CW/SSB, 160-10 meters. See: urdx.org/rules.php?english.

7-9 Nov – ARRL Sweepstakes – CW, 160-10 meters. See: www.arrl.org/sweepstakes.

7-9 Nov – NA Collegiate ARC Championship – CW, 160-10 meters. See: www.collegiatechampionship.org.

8 Nov – IPARC Contest – SSB, 80-10 meters. See: www.iparc.de.

8 Nov – EANET Sprint – All modes, all bands. See: fediea.org/news/?news=20151108.

8 Nov – DARC 10-Meter Digital Contest – Digital. See: www.darc.de/referate/ukw-funksport.

11 Nov – RSGB 80 Meter Club Sprint – SSB. See: www.rsgbcc.org/hf.

14-15 Nov – WAE DX Contest – RTTY, 80-10 meters. See: www.darc.de/referate/dx/contest.

14-15 Nov – 10-10 Int. Fall Contest – 10 meters. See: www.ten-ten.org.

14-15 Nov – JIDX Phone Contest – SSB, 80-10 meters. See: www.jidx.org/jidxrule-e.html.

14-15 Nov – OK/OM DX Contest – CW, 160-10 meters. See: okomdx.crk.cz/index.php?page=english.

14-15 Nov – Kentucky QSO Party – All modes, 160-6 meters. See: www.wkdx.com/mainsite.

14-15 Nov – CQ-WE Contest – All modes, 160 meters – 70 cm. See: cqwe.cboh.org/rules.html.

15 Nov – Homebrew/Oldtime Equipment Party – CW, 80-40 meters. See: www.qrpcc.de/contestrules/hotr.html.

16 Nov – Run For the Bacon QRP Contest – CW, 160-10 meters. See: fpqrp.org/pigrun.

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Contest Corner continued from page 3...

19 Nov – NAQCC CW Sprint – CW, 80-20 meters.

See: naqcc.info/sprint201511.html.

20 Nov – YO International PSK31 Contest – 80 meters.

See: www.yo5crq.ro/Rules2015EN1.htm.

21 Nov – Feld-Hell Sprint – Digital, 80-6 meters. See:

sites.google.com/site/feldhellclub.

21-22 Nov – LZ DX Contest – SSB/CW, 80-10 meters.

See: lzdx.bfra.org/rulesen.html.

21-22 Nov – All Austria 160 Meter Contest – CW, 160 meters. See: www.oevsv.at.

21-22 Nov – RSGB 2nd 1.8 MHz Contest – CW, 160 meters. See: www.rsgbcc.org/hf.

21-23 Nov – ARRL Sweepstakes – SSB, 80-10 meters.

See: www.arrl.org/sweepstakes.

21-23 Nov – NA Collegiate ARC Championship – SSB,

160-10 meters. See: www.collegiatechampionship.org.

25 Nov – SKCC Sprint – CW, 160-10 meters. See:

www.skccgroup.com.

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

26 Nov – RSGB 80 Meter Club Sprint – CW. See:

www.rsgbcc.org/hf.

28-29 Nov – ARRL EME Contest – All modes, 6 meters – 23 cm. See: www.arrl.org/eme-contest.

28-29 Nov – CQ World Wide DX Contest – CW, 160-10 meters. See: www.cqww.com/rules.htm.

SCRA REGULAR MEETING MINUTES, OCTOBER 7, 2015

President, Pat Coyle called the meeting to order at 7:02pm. Officers present were: Pat Bryan, Mike, Joe K6JWA, Jeff. Iola, Charlie not present

Guests: Mark Schlehr, no call sign; Jerry Andradi, no

call sign - Will be in November class. President Pat welcomed the guests.

PROGRAM ~ 7:04 – 8:15pm ~ Antenna's. Microwave; half-square; etc. presented by John Breckinridge, KE5RI.

BREAK: 8:15pm – 8:35pm

BUSINESS MEETING:

APPROVAL OF MINUTES: Dave W6IBC moved and John seconded to accept the minutes of the previous meeting as published in the Short Skip. Motion passed.

ANNOUNCEMENTS, NEW CALLS AND UP-GRADES, LIES AND BRAGS

a. Cornell changed his call sign – dropped the 'A' is now W6HMN

b. Digital Conference – Dave McQuate WA8UWQ

c. Joe K6AWA – got cross band & repeater working at Gran Fondo. Equipment got too hot in the car. Lesson learned! Make sure your equipment is properly ventilated!

d. Darryl, taking beginning electronic class at JC and understanding series circuits much better now.

e. John Felton KE5RI received unused Yaesu FT-60R dual band HT radio donated by James A. Kaumeyer, KI6PBB. Pat will send a thank you letter for the donation. Equipment will be placed in the club radio bank for members to borrow. We also have a digital HT radio in radio bank for lending to members.

f. Doug. QSL party, reached two tiny East Coast states and the Province of Canada. In 1 hour, he was able to make 17 contacts, on 20 meters.

g. Craig, some great ducting interference at Waves to Wine that came from Hollister, 150 miles away.

h. Kathy gave a shout out to Craig for doing a great job for all he does for the club.

ANNOUNCEMENTS:

The October Board of Directors meeting has been moved to Thursday, October 15, 2015 instead of Wednesday, October 14th.

REDXA, presentation, History of Ham Radio as it relates to Silicon Valley on Wednesday, October 14, 2015 by Paul Wesling, KM6LH.

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November meeting will be elections. Need people to run the club. Dave was appointed to chair the Nominating Committee. Trying to find new people to take office. Hopefully, we will have a full slate to recommend to the Board. Dave encourages everyone to think hard and long about serving the club. Contact Dave for answers to your questions. Description of all positions listed in By Laws, those of President, Treasurer, Secretary and two directors.

Craig has web address for VHF Propagation. aprs.mountainlake.k12.mn.us. You can move around the country or zero in on particular areas.

OFFICERS REPORTS:

+ Treasurer's - we have 138 paid members. Bank account is fine.

+ Directors - None

COMMITTEE REPORTS:

+ Education: Dave has 11 people signed up for the November class at the Grange. Gordon West material is being used at a cost of \$20, with an additional \$15 for the test. We had 18 out of 18 pass the test and received their Technician license.

+ Public Service: Craig thanked everyone for all their help during the past two weekends. Gran Fondo, for the second year in a row had a death. Had to contain information so as not to upset the other riders. See you next year.

+Activities: Darryl reports that the USS Hornet tour was awesome. Air show at PCAM this year was awesome. Questioned the Snowbirds crew and was told that the aircraft fly at 4-5 feet apart!

UNFINISHED BUSINESS -

This is the time of year that we start planning for next year. Roster and membership information on website was brought up again. It had been suggested that Roster information be listed in Members area. A lengthy discussion was held on the pro's and con's. Pat 'kicked the can down the road' and will leave this topic for the new board of directors. No action taken.

NET CONTROL

October 13 = Joe K6AWA

October 20 = Cornell W6HMN

October 27 = Brian N6IYY

November 3 = Dave W6IBC

Agenda having been completed, meeting adjourned at 9:17 p.m.

Respectfully Submitted.

Iola Beckley KK6HRE, Secretary

With the aid of Kathy Wells KK6KGW

BOARD OF DIRECTORS MEETING—OCTOBER 12, 2015

President Pat Coyle, KG6JSL, Called the meeting to order at have a quorum at 6:00pm at the IHOP Restaurant. All Board of Directors were present with the exception of Jeff, KI6PBF.

Previous meeting minutes were approved as published in Short Skip.

Officer and Director Reports - None

Committee Reports:

On Thursday, October 8th the Emergency Services, and the Educational Chairpersons, along with the President and Secretary, meet at the Rincon Valley Mobile Estates club house with Karen Sommer and Deborah Rogers, of the Bennett Valley Community Association, to make arrangements for a four hour class to train the community FRS and GMRS Radio team in how to use their FRS and GMRS radios and how to set up a community network in case of a disaster.

Activities Committee: Darryl KE6MSP report last event of this year is on the 24th of October, the Science Fair. Need help. Good PR for the club.

Nominating Committee: Pat, KG6JSL reports that Dave, W6IBC advises that the slate of officers approved by the Nominating Committee will be: President, Iola KK6HRE; Vice President, Brian N6IYY; Secretary - none; Treasurer, Dave W6IBC; and Directors, ShelleyRae KK6JXM, Jim KI6REK; Darryl KE6MSP, Joe K6AWA, and Frank Oddy NQ6E.

Old Business:

Elections Procedure and Games: Iola KK6HRE will make up the ballot. Pat KG6JSL will handle election. Candidate will be given one minute to introduce themselves. Needs two people to count votes. Brian N6IYY will lead a game while ballot are being counted. Who

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Board Minutes continued from page 5...

wants to be an Extra Class Ham. Also, possible game to assemble units for all classes.

New Business

Christmas Party = Brian N6IYY will BOSS this event again. Dave W6IBC & Joy Harrison KI6ASJ assisting; Sutter will arrange for signup with PayPal. Pat KG6JSL thinks \$7.00 will be enough but would like to see better raffle prizes.

Darryl KE6MSP, quite a few people lost their homes in the recent Lake County fire, and wonders if we can give \$1,000 toward their recovery. Mike AD6YB, would rather see our money donated to possibly radio hams who lost equipment, etc. It is wondered if there is a ham radio club in Lake County, Middletown or Konocti? More research will be done to determine where the best use of our money would be.

The Board of Directors meeting adjourned at 7:13pm to go into Executive Session. Meeting reconvened at 7:20.

A motion made by Mike, seconded by Brian, to accept the recommendation of Member of the Year as submitted by the Member of the Year Committee. Motion passed.

Meeting Adjourned at 7:25pm

Respectfully Submitted,
Iola Beckley, KK6HRE, Secretary`

2015 SCHEDULE OF EVENTS

Check the [Club website](#) for details

November 20-22: Technician
License Class

December 2: Club Holiday Party

December 5: VE Open Session

SCRA Holiday Dinner

Instead of our usual meeting in December, we will be having our annual SCRA Holiday Dinner on December 2, 2015. For \$7.00, the club will provide turkey with gravy, ham, and coffee and tea. You bring a salad, side dish, or dessert for pot luck.

We will also be raffling off a grand prize (check the website for more details) and some other ham radio and non-ham radio goodies.

You can RSVP via the web or via mail but your payment must be received by Friday, November 27. If you have any questions, contact Brian Torr at (707) 575-5871 or n6iyy@arrl.net.

BOOK REVIEW FOR HAMS**Heil Ham Radio Handbook, 2nd Edition, \$14.95**

By: Pat Coyle, KG6JSL

So you have taken the license classes, passed the test and got your license. What do you do now?

The best book I have seen that answers that question is Bob Heil's Ham Radio Handbook, 2nd edition. This book starts with how to set up a station and continues with practical information for antennas, some basic electronics, basics of sound, mobile operation and other subjects every ham should know.

The book is oriented for practical use. It is clearly written and easy to read and understand. After reading this book new hams, and some old ones too, will have the basic knowledge and practical direction to further their understanding of radio.

Heil, K9EID, has been a ham since 1956, and in real life invents, designs, experiments and builds professional sound systems for professional musicians such as the Eagles and Eric Frampton. As he said recently at a Pacificon Seminar, "who gets to have the Eagles as their beta testers?"

The book is available at ARRL at <http://www.arrl.org/shop/Heil-Ham-Radio-Handbook-Bob-Heil/>, Universal Radio, HRO and other outlets. Just Google the name Heil's Ham Radio Handbook, 2nd edition and various sources will pop up. This is a good one every ham should have and well worth the price, if for nothing more than to see the picture of his awesome 128 element 2 meter antenna array.

**Next Open VE Session:
Saturday, December 5**

Our next open VE exam session is scheduled for Saturday, Dec 5, from 9:00 am until noon. The location will be the Bennett Valley Grange 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 Grange Hall is 0.5 miles from Bennett Valley Road on the right.

Candidates should bring the following:

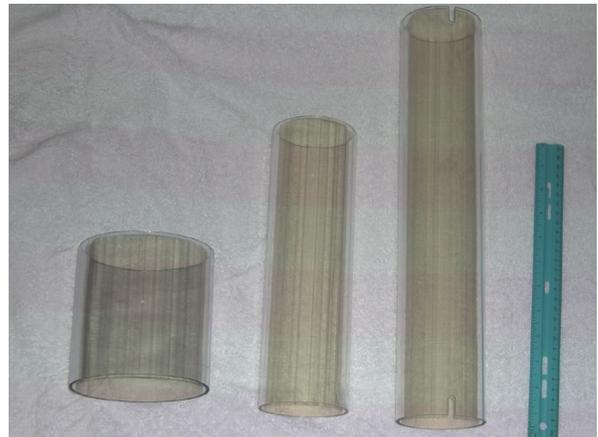
- One (1) photo ID or two (2) non-photo ID
- FCC Registration Number (FRN, if you have one) or Social Security Number (if you do not have an FRN) If you have had any FCC license assigned to you, amateur or otherwise, or had any prior business with the FCC, you probably have an FRN.
- Original and photocopy of your current amateur radio license (if licensed)
- Original and photocopy of any valid CSEs (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

**Free Plexiglas cylinders for Coil Forms or ?
By John Breckenridge, WB6FRZ**



I have several clear plastic Plexiglas cylinders with 1/8-inch thick walls that are free for the asking.

They may be used as coil forms for building crystal receivers, antenna traps, weather covers for coils or whatever! See the picture; there are three different sizes available.

The dimensions are approximately as follows:

- 5 inches in outside diameter X 5 inches long
- 3 1/4 inches in outside diameter X 10 3/4 inches long
- 3 1/4 inches in outside diameter X 16 inches long (This one has a slot machined in each end)

Contact me via email or phone and we can meet or I can bring them to the club meeting on November 4th. My contact information is in the club roster.

73,
John
WB6FRZ



10 Meter Net

There will be a net on 10 meters hosted by Joe K6AWA at 8:00pm following the regular SCRA net Tuesday nights. Set your dial to 28,402.00 SSB, USB. (New Frequency) Please note that all license classes (including technician) are welcome.



Repeater Committee Opportunities

Win2K, C4FM, IRLP....Acronyms for features the SCRA repeater system provides to all Hams in addition to the normal repeater functions Hams expect. Are there other repeater linked services you'd like to see? The Repeater Committee is always interested in new members both to maintain and improve our existing repeaters and to provide energy for new services that SCRA might offer. Membership provides an opportunity to learn about SCRA's repeater systems and participate in their expansion and maintenance. Interested?

Contact Jack, K6ROW at K6ROW@sonic.net

Gizmos and Gadgets

By Dave Harrison W6IBC

Have you ever searched EBAY for ham radio accessories. If you have, you know there are about a zillion gizmos and gadgets available for your consideration. I'm going to talk briefly about two low-cost gadgets I recently purchased.

The first is a Morse Code reader, for which I paid \$13.34, with free shipping from Hong Kong.



This device arrives fully assembled and includes a PIC microprocessor, a logic chip and a phase locked loop chip, hooked up such that Morse Code patterns are detected and scrolled across a single-line LCD display. The unit comes fully assembled and requires 9-12 volts DC power supply. There are three 3.5mm audio jacks: one for audio in, another for audio out, and a third for a Morse key input. There is a small potentiometer on the board that lets you match the decode sensitivity to the audio tone of the Morse Code stream coming from your receiver audio output. A red LED indicates a proper match with maximum illumination.

Does it work? Well, sort of. The problem I found was that it does not decode slowly sent, or poorly sent, Morse Code sequences. It seemed to work best decoding 20 words per minute code. The signal needs to be strong and free of interference. I was able to decode the W1AW 20 meter code practice transmissions when the signal was very strong. Also, when a key was plugged into the unit, there was no audio sidetone available to monitor your sending of Code. Bottom line, learn the Code and copy it in your head. To me, that approach seems much easier than fooling around and relying on this gizmo. But, the price is right.

The second gadget is the Pixie CW transceiver kit. This is a minimalist radio station that includes a couple of transistors, a 40 meter CW band crystal, an audio amplifier chip, and the other necessary parts and printed circuit board needed for assembly, all for \$4.97, postage included, from China. All you need, after assembly, is to connect a head-phone, a Morse key, a 40 meter antenna, and a 9-12 DC power supply.



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Gizmos continued from page 8...

One of the drawbacks of the Pixie is that the frequency set by the 7.023 MHz crystal supplied lies in the Extra Class segment of the 40 meter band. So, if you hold a Technician Class license with CW privileges from 7.025-7.125 MHz, this radio is not for you. You can separately purchase a 40 meter crystal that lies in the Technician code band, but that adds additional expense to your project. Another drawback is that this gadget puts out milliwatts, not watts. So, your chances of making a successful contact on 40 meters are impeded by extremely low power. That may add to the challenge.

Does this kit work? I honestly don't know as I have not yet assembled and tested the kit. There are on-line articles that report of successful radio contacts being made with this milliwatt 40 meter ham station, but I'll have to build and test it myself before recommending it to anyone. It is, and probably will remain, a novelty, a true gizmo, in my ham shack. It might be fun as a club kit building project for one of our build-day events.

BASIC ELECTRICAL THEORY

(The Smoke Theorem)

Pat Coyle, KG6JSL

In the SCRA's never ending attempt to educate our member in the fine points of electronics, we present this explanation of Electrical Theory from Joe Lucas. Although Lucas is a British Company famous for building auto electric and consumer systems, the theory and principals are equally applicable to Ham Radio.

Positive ground depends on proper circuit functioning, which is the transmission of negative ions by retention of the visible spectral manifestation known as smoke.

Smoke is the thing that makes electrical circuits work. We know this to be true because every time one lets the smoke out of an electrical circuit, it stops working. This can be verified repeatedly through empirical testing.

For example, if one places a copper bar across the terminals of a battery, prodigious quantities of smoke are liberated and the battery shortly ceases to function. In addition, if one observes smoke escaping from an electrical component such as a Lucas voltage regulator, it will also be observed that the component no longer functions. The logic is elementary and inescapable!

The function of the wiring harness is to conduct the smoke from one device to another. When the wiring springs a leak and lets all the smoke out of the system, nothing works afterward.

Starter motors were considered unsuitable for British motorcycles for some time largely because they consumed large quantities of smoke, requiring very unsightly large wires.

It has been reported that Lucas electrical components are possibly more prone to electrical leakage than their Bosch, Japanese or American counterparts. Experts point out that this is because Lucas is British, and all things British leak. British engines leak oil, British shock absorbers, hydraulic forks and disk brake systems leak fluid, British tires leak air and British Intelligence leaks national defense secrets.

Therefore, it follows that British electrical systems must leak smoke. Once again, the logic is clear and inescapable.

In conclusion, the basic concept of transmission of electrical energy in the form of smoke provides a logical explanation of the mysteries of electrical components especially British units manufactured by Joseph Lucas, Ltd.

And remember: A gentleman does not motor about after dark.

BY: Joseph Lucas - The Prince of Darkness

A few Lucas quips:

The Lucas motto: Get home before dark.

Lucas is the patent holder for the short circuit.

Lucas - Inventor of the first intermittent wiper.

Lucas - Inventor of the self-dimming headlamp.

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Lucas Quips continued from page 9...

The three-position Lucas switch--DIM, FLICKER and OFF. The other three switch settings--SMOKE, SMOLDER and IGNITE.

The Original Anti-Theft Device - Lucas Electrics. If Lucas made guns, wars would not start either. Back in the '70s, Lucas decided to diversify its product line and began manufacturing vacuum cleaners. It was the only product they offered which did not suck.

Q: Why do the British drink warm beer?

A: Because Lucas makes their refrigerators.

The Lucas Theorem as applicable to ham radio has been consistently proven valid by countless hams engaged in testing, operation and experimentation. Thus, when troubleshooting any electrical circuit, look for smoke, or evidence of smoke. Such evidence can usually be detected by smell, or charring or melting of components. To get the smoke back into the circuit, Lucas manufacturers Replacement Smoke. This smoke will work on any system, not just Lucas. Every ham should have this in their tool kit.



RADIO FOR SALE

CS-700 Radio For Sale. New in the Box! CS-700 HT Radio includes the following:
DMR and FM 400- 470 HMZ. Will work on Ham Radio freqs and Commercial Freqs
Has Key Pad on Radio. Up to 1000 channels. This is a Ham DMR Radio and can be set up for other options. Comes with the following:

1. Two batteries.
- (1) standard battery that came with the radio.
- (1) Li-ion Battery Model #CB-02 2000AH
2. Nylon Case with Belt Clip will fit on Large Duty Belt. Also Has strap for Radio.
3. Program Cable free software down load off the web sight. www.connectsystems.com
4. Come with the following:
5. Two batteries, standard battery that came with the radio and a Li-ion Battery Model #CB-02 2000AH
6. Nylon Case with Belt Clip will fit on Large Duty Belt and strap for Radio.
7. Program Cable free software down load off the web-site. www.connectsystems.com
8. Commerical Type Speaker Mike.
9. Charger and Power Supply.
10. Instruction Manual.

Meets IP65 @ MIL810F COMPLIANT, and is FCC Approved.

Price: \$290.00

Contact Andrew, KE6HID, ke6hid@gmail.com





November Board Elections

The SCRA 2016 Nomination Committee has completed its work. Election will be held at our November General Meeting (SCRA's Annual Meeting required by our Bylaws). We have found willing candidates for all offices except Secretary. A copy of the Ballot (right) shows the list of candidates developed by the Nomination Committee. To be eligible for an Officer's position, the SCRA member must be in good standing for the one year preceding taking office. For the two Director-At-Large positions, the Bylaws require that the member candidates be in good standing for six months immediately preceding taking office, in order to encourage new members and those who have never served on the board to seek the office. Each office carries a two year maximum consecutive term. Two of our directors, Vice President Brian Torr N6IIY and Director-at-Large Joe Fortuna K6AWA are eligible for reelection as first year incumbents. As part of the SCRA election procedure nominations of eligible candidates will be solicited at the November Meeting and if received, will be written onto the ballots before the vote is cast. As outgoing president, Pat Coyle KG6JSL will serve as the neutral election officer and supervise the election at our November annual meeting.

Respectfully Submitted,

Dave Harrison W6IBC
Nomination Committee Chair"

SONOMA COUNTY RADIO AMATEURS BALLOT - 2015

All terms are for one year.

For the office of President:

Vote for One

Iola Beckley, KK6HRE

Write in: _____

For the office of Vice President:

Vote for One

Brian Torr, N6IIY, incumbent . . .

Write in: _____

For the office of Treasurer:

Vote for One

Dave Harrison, W6IBC

Write in: _____

For the office of Secretary:

Vote for One

Write in: _____

Write in: _____

For the office of Director:

Vote for two

Joe Fortuna, K6AWA , Incumbent . .

Jim Draeger, KI6REK.

ShelleyRae O'Connor, KK6JXM . . .

Frank Oddy, NQ6E

Darryl Paule, KI6MSP

Write in: _____

INSTRUCTIONS: If more than the instructed number of boxes are checked for any office, the vote for that office will be invalid.



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(800) 854-6046
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anaheim@hamradio.com

BURBANK, CA
1525 W. Magnolia Bl., 91506
(818) 842-1786
(877) 892-1748
Eric, K6EJC, Mgr.
Magnolia between
S. Victory & Buena Vista
burbank@hamradio.com

OAKLAND, CA
2210 Livingston St., 94606
(510) 534-5757
(877) 892-1745
Nick, AK6DX, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SAN DIEGO, CA
5375 Kearny Villa Rd., 92123
(858) 560-4900
(877) 520-9623
Jerry, N5MCJ, Mgr.
Hwy. 163 & Claremont Mesa
sandiego@hamradio.com

SUNNYVALE, CA
510 Lawrence Exp. #102
94085
(408) 736-9496
(877) 892-1749
Jon, K6WV, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE
(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Ken, N2OHD, Mgr.
RT.13 1/4 mi., So. I-295
delaware@hamradio.com

PORTLAND, OR
11705 S.W. Pacific Hwy.
97223
(503) 598-0555
(800) 765-4267
Leon, W7AD, Mgr.
Tigard-99W exit
from Hwy. 5 & 217
portland@hamradio.com

DENVER, CO
8400 E. Iliff Ave. #9, 80231
(303) 745-7373
(800) 444-9476
John WØIG, Mgr.
denver@hamradio.com

PHOENIX, AZ
10613 N. 43rd Ave., 85029
(602) 242-3515
(800) 559-7388
Gary, N7GJ, Mgr.
Corner of 43rd Ave. & Peoria
phoenix@hamradio.com

ATLANTA, GA
6071 Buford Hwy., 30340
(770) 263-0700
(800) 444-7927
Mark, KJ4VO, Mgr.
Doraville, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBRIE, VA
(Near Washington D.C.)
14803 Build America Dr.
22191
(703) 643-1063
(800) 444-4799
Steve, W4SHG, Mgr.
Exit 11, I-95, So. to US 1
virginia@hamradio.com

SALEM, NH
(Near Boston)
224 N. Broadway, 03079
(603) 898-3750
(800) 444-0047
Dave, N1EDU, Mgr.
Exit 1, I-93,
28 mi. No. of Boston
salem@hamradio.com

KENWOOD



TS-2000 HF/VHF/UHF TCVR

- 100W HF, 6M, 2M • 50W 70CM • 10W 1.2GHz w/ opt UT-20 module • Built-in TNC, DX packet cluster
- IF Stage DSP • Backlit front key panel



TM-281A 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio



TS-590S HF + 6M Transceiver

- 100W HF + 6M • 500 Hz & 2.7 KHz roofing filter
- Built-in auto tuner • Best dynamic range in class
- 32 bit DSP

TH-F6A 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories
- Li-Ion Battery



TM-V71A 2M/440 Dual Band

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops

ICOM

IC-7000 All Mode Transceiver

- 160-10M/6M/2M/70CM
- 2x DSP • Digital IF filters
- Digital voice recorder
- 2.5" color TFT display



ID-51A VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



IC-7600 All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-V8000 2M Mobile Transceiver

- 75 watts • Dynamic Memory Scan (DMS)
- CTCSS/DCS encode/decode w/ tone scan • Weather alert • Weather channel scan • 200 alphanumeric memories

Analog + Digital Dual Bander D-STAR

ID-880H

- D-STAR DV mode operation • DR (D-STAR repeater) mode • Free software download • GPS A mode for easy D-PRS operation • One touch reply button (DV mode)
- Wideband receiver



YAESU
The radio



FTDX-3000 100W HF + 6M Transceiver

- 100 Watt HF/6 Meters • Large and wide color LCD display • High Speed Spectrum Scope built-in • 32 bit high speed DSP /Down Conversion 1st IF



FT-7900R 2M/440 Mobile

- 50W 2M, 45W on 440MHz • Weather Alert • 1000+ Memories • WIRES capability • Wideband receiver (cell blocked)

FT-60R 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



FT-450D 100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in
- 500 memories • DNR, IF Notch, IF Shift



FT-857D Ultra Compact HF/VHF/UHF

- 100w HF/6M, 50W 2M, 20W UHF • DSP included
- 32 color display • 200 mems • Detachable front panel (YSK-857 required)

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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 Web site, 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, dave@kraybill.org, or for general questions and /or suggestions, k6son@arrl.net

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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 via email? Yes _____ No _____

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